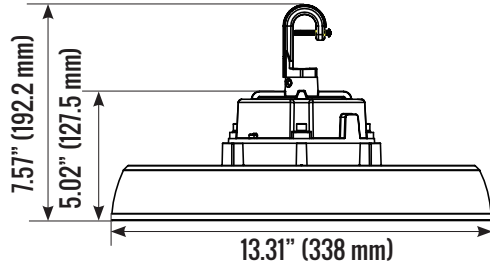


PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT


PRODUCT DESCRIPTION

Etlin-Daniels is pleased to introduce their new generation of LED Round Highbay - the HBRA5P Series. We have maintained the popular silver gray color, and the new reduced size and light weight housing provides for a high-end aesthetic. The standard 90° beam pattern allows for a UGR rating of <28, achieving DLC5.1 Premium status. This new series comes equipped with the sensor base pre-installed, greatly reducing contractor labor should sensors be required for any application. And the new HBRA5P generation is 120-347v, multi-wattage and 3CCT which will allow for significantly reduced inventory while eliminating potential errors in ordering. Also equipped with a 10' power cord and 6kv Surge Protection, the new HBRA5P series is the perfect solution for any highbay applications. Aluminum and Prismatic reflectors are available along with optional wire guards, Yoke Mount brackets and safety cables.

FEATURES

- Led Indoor Light Source
- Light weight, pure aluminum, reduced size housings - silver gray
- Suspension or precision yoke mounting
- 10' power cord standard
- 90 degree beam pattern - UGR <28
- 120-347V
- 3CCT - 3500K/4000K/5000K
- Multi-wattage - 100W/150W and 180W/200W/240W
- Microwave Sensor Base pre-installed - Plug & Play Microwave Sensor available
- 6kv Surge Protection
- IP65
- ~140lm/w efficacy
- Ra >80
- 0-10V Continuous Dimming
- 5 year warranty
- L70 - 50,000 hrs.
- DLC5.1 Premium

PRODUCT SPECIFICATIONS (OPTICAL DATA)

PRODUCT SPECIFICATIONS (ELECTRICAL DATA)

LED TYPE	LED QTY	WATTAGE	COLOR TEMPERATURE	LUMENS	SYSTEM EFFICACY	CRI	SYSTEM EFFICIENCY	POWER EFFICIENCY	POWER FACTOR	HARMONIC DISTORTION
2835 LUMILEDS	720 CHIPS	180W - 3500K - 25828 LM / 4000K - 27676 LM / 5000K - 26651 LM 200W - 3500K - 27988 LM / 4000K - 30140 LM / 5000K - 28841 LM 240W - 3500K - 34104 LM / 4000K - 35053 LM / 5000K - 34958 LM			140 LM /W	>80 CRI	90%	>92%	>0.96	<9.65%

PRODUCT SPECIFICATIONS

VOLTAGES	POWER FREQ.	BEAM ANGLE	FIXTURE MATERIAL	LIFE SPAN	STORAGE TEMP	OPERATING TEMP	PRODUCT DIMENSIONS	CARTON SIZE	
120-347V	50-60HZ	90°	ALUMINUM/PC LENS	>50,000 HOURS	-40°C~+70°C -40°F~+158°F	-40°C~+45°C -40°F~+113°F	13.31 X 13.31 X 7 INCHES (338 X 338 X 192 MM)	15.4 X 15.4 X 7 INCHES (390 X 390 X 180 MM)	

ADDITIONAL INFORMATION

INGRESS PROTECTION

IP65

INSTALLATION METHOD

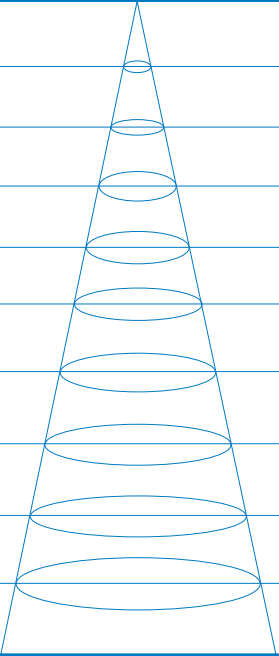
SUSPENSION/YOKE

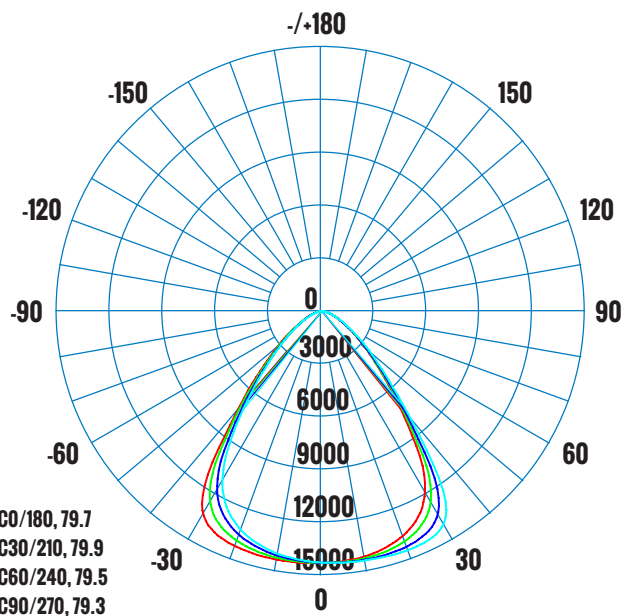
FIXTURE COLOR

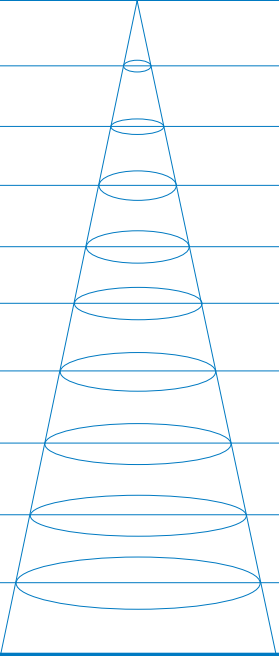
GRAY FINISH

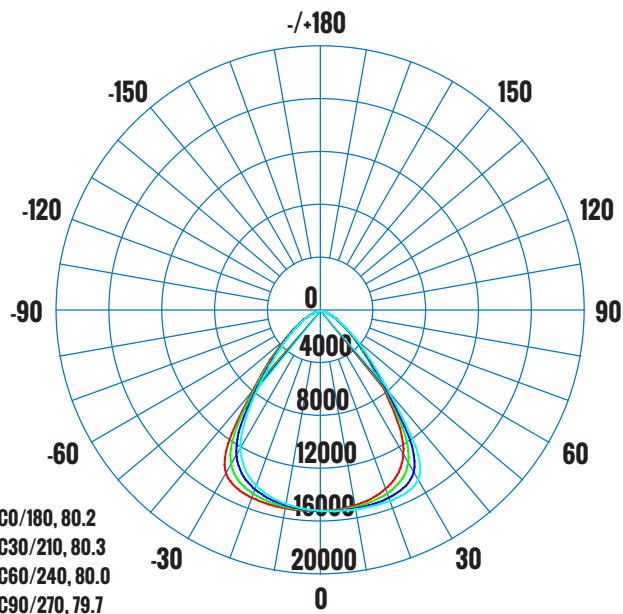
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 180W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 18,167LM

3.28FT 1M	8213, 14589LX		5.44FT 165.82 CM
6.56FT 2M	2053, 3647LX		10.88FT 331.65 CM
9.84FT 3M	912.6, 1621LX		16.32FT 497.47 CM
13.12FT 4M	513.3, 911.8LX		21.76FT 663.30 CM
16.40FT 5M	328.5, 583.5LX		27.20FT 829.12 CM
19.69FT 6M	228.1, 405.2LX		32.64FT 994.95 CM
22.97FT 7M	167.6, 297.7LX		38.08FT 1160.77 CM
26.25FT 8M	128.3, 227.9LX		43.52FT 1326.59 CM
29.52FT 9M	101.4, 180.1LX		48.96FT 1492.42 CM
32.80FT 10M	82.13, 145.9LX		54.40FT 1658.24 CM
HT	EAVG/EMAX	ANGLE: 79.33DEG	DIA

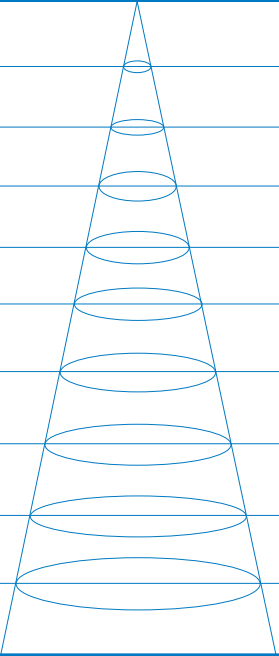
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.6 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 180W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 19,421LM

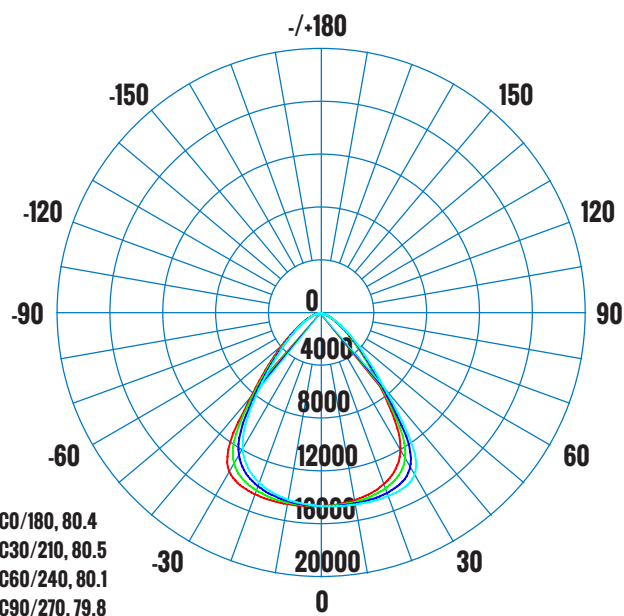
3.28FT 1M	8780, 15468LX		5.47FT 166.92CM
6.56FT 2M	2195, 3867LX		10.95FT 333.83CM
9.84FT 3M	975.6, 1719LX		16.43FT 500.75CM
13.12FT 4M	548.8, 966.8LX		21.91FT 667.67CM
16.40FT 5M	351.2, 618.7LX		27.38FT 834.58CM
19.69FT 6M	243.9, 429.7LX		32.86FT 1001.50CM
22.97FT 7M	179.2, 315.7LX		38.33FT 1168.41CM
26.25FT 8M	137.20, 241.70LX		43.81FT 1335.33CM
29.52FT 9M	108.4, 191.0LX		49.29FT 1502.25CM
32.80FT 10M	87.80, 154.7LX		55.75FT 1699.16CM
HT	EAVG/EMAX	ANGLE: 79.70DEG	DIA

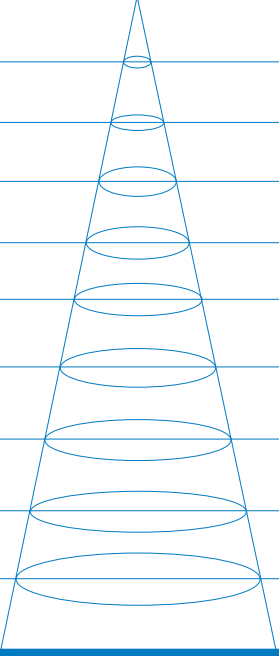
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.0 DEG

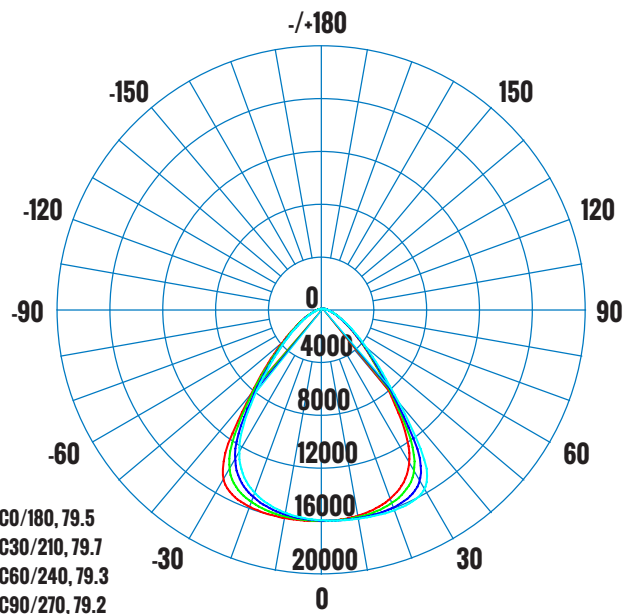
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 180W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 18,672LM

3.28FT 1M	8441, 14834LX		5.48FT 167.30 CM
6.56FT 2M	2110, 3709LX		10.98FT 334.60 CM
9.84FT 3M	937.9, 1648LX		16.47FT 501.90 CM
13.12FT 4M	527.6, 927.1LX		21.96FT 669.21 CM
16.40FT 5M	337.7, 593.4LX		27.44FT 836.51 CM
19.69FT 6M	234.5, 412.1LX		32.93FT 1003.81 CM
22.97FT 7M	172.3, 302.7LX		38.42FT 1171.11 CM
26.25FT 8M	131.9, 231.8LX		43.91FT 1338.41 CM
29.52FT 9M	104.2, 183.1LX		49.40FT 1505.71 CM
32.80FT 10M	82.41, 148.3LX		54.89FT 1673.01 CM
HT	EAVG/EMAX	ANGLE: 79.83DEG	DIA

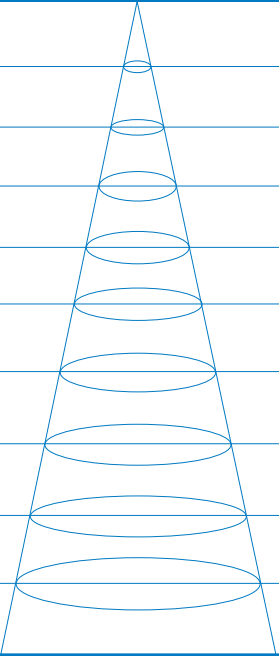
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.2 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 200W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 19,697LM

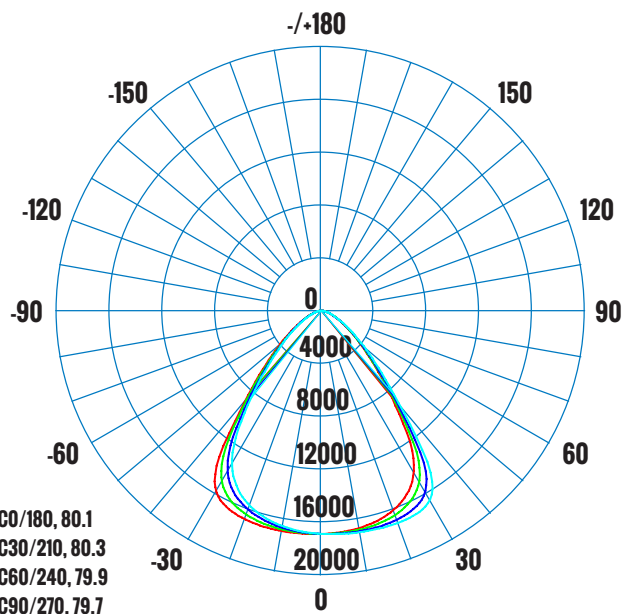
3.28FT 1M	8905, 15874LX		5.43FT 165.50CM
6.56FT 2M	2226, 3968LX		10.86FT 331.00CM
9.84FT 3M	989.4, 1764LX		16.29FT 496.5CM
13.12FT 4M	556.5, 992.1LX		21.72FT 662.00CM
16.40FT 5M	356.2, 634.9LX		27.15FT 827.50CM
19.69FT 6M	247.4, 440.9LX		32.58FT 993.00CM
22.97FT 7M	181.7, 324.0LX		38.00FT 1158.51CM
26.25FT 8M	139.10, 248.0LX		43.44FT 1324.01CM
29.52FT 9M	109.9, 196.0LX		48.87FT 1489.51CM
32.80FT 10M	89.05, 158.7LX		54.30FT 1655.01CM
HT	EAVG/EMAX	ANGLE: 79.22DEG	DIA

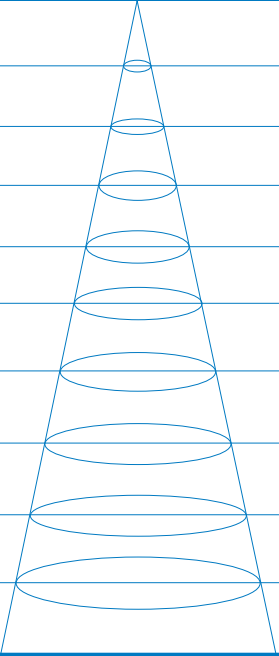
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.4 DEG

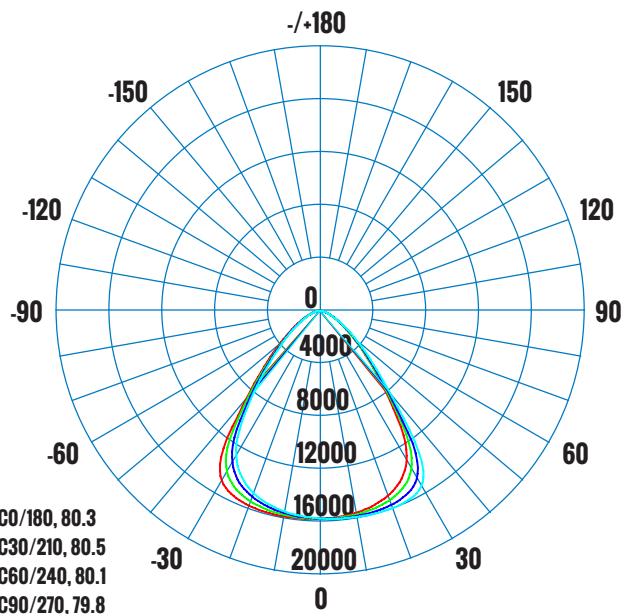
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 200W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 21,157LM

3.28FT 1M	9565, 16858LX		5.47FT 166.83 CM
6.56FT 2M	2391, 4215LX		10.98FT 334.60 CM
9.84FT 3M	1063, 1873LX		16.47FT 501.90 CM
13.12FT 4M	597.8, 1054LX		24.15FT 669.21 CM
16.40FT 5M	382.6, 674.3LX		27.44FT 836.51 CM
19.69FT 6M	265.7, 468.3LX		32.94FT 1003.81 CM
22.97FT 7M	195.2, 344.0LX		38.42FT 1171.11 CM
26.25FT 8M	149.5, 263.4LX		43.91FT 1338.41 CM
29.52FT 9M	118.1, 208.1LX		49.40FT 1505.71 CM
32.80FT 10M	95.65, 168.6LX		54.89FT 1673.01 CM
HT	EAVG/EMAX	ANGLE: 79.67DEG	DIA

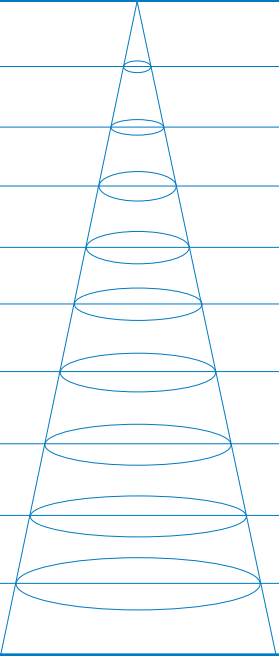
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.0 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 200W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 20,214LM

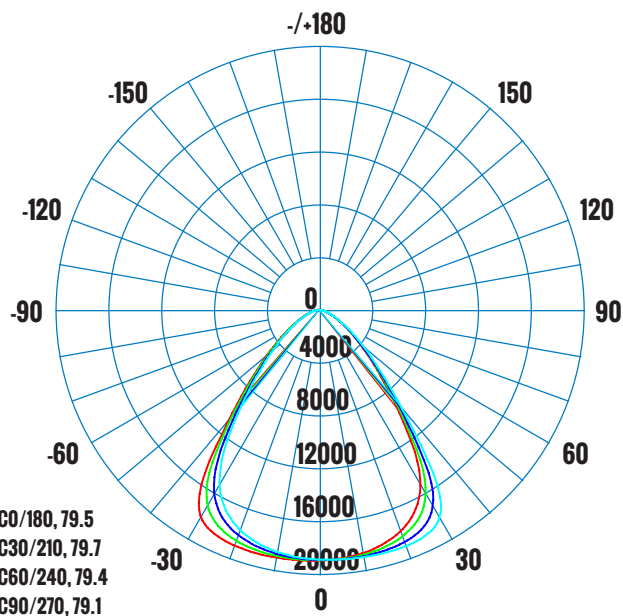
3.28FT 1M	9138, 16066LX		5.49FT 167.24CM
6.56FT 2M	2285, 4017LX		10.97FT 334.48CM
9.84FT 3M	1015, 1785LX		16.46FT 501.73CM
13.12FT 4M	571.2, 1004LX		21.95FT 668.97CM
16.40FT 5M	365.5, 642.6LX		27.43FT 836.21CM
19.69FT 6M	253.8, 446.3LX		32.92FT 1003.45CM
22.97FT 7M	186.5, 327.9LX		38.41FT 1170.69CM
26.25FT 8M	142.8, 251.0LX		43.90FT 1337.94CM
29.52FT 9M	112.8, 198.3LX		49.38FT 1505.18CM
32.80FT 10M	91.38, 160.7LX		54.87FT 1672.42CM
HT	EAVG/EMAX	ANGLE: 79.22DEG	DIA

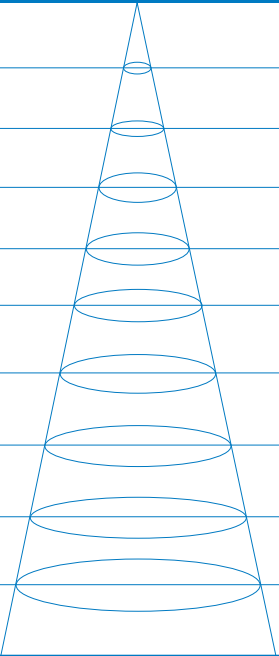
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.2 DEG

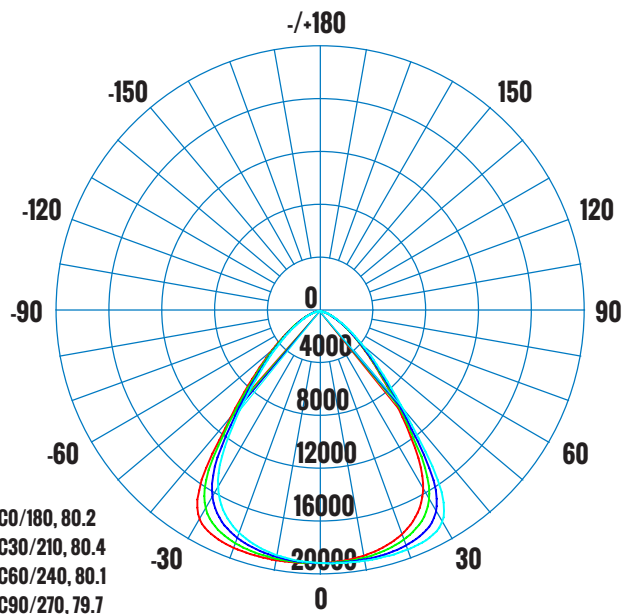
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 240W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 23,996LM

3.28FT 1M	10848, 19337LX		5.42FT 165.15 CM
6.56FT 2M	2712, 4834LX		10.84FT 330.30 CM
9.84FT 3M	1205, 2149LX		16.25FT 495.45 CM
13.12FT 4M	678.0, 1209LX		21.67FT 660.59 CM
16.40FT 5M	433.9, 773.5LX		27.09FT 825.74 CM
19.69FT 6M	301.3, 537.1LX		32.51FT 990.89 CM
22.97FT 7M	221.4, 394.6LX		37.93FT 1156.04 CM
26.25FT 8M	169.5, 302.1LX		43.25FT 1321.19 CM
29.52FT 9M	133.9, 238.7LX		48.76FT 1486.34 CM
32.80FT 10M	108.5, 193.4LX		54.18FT 1651.48 CM
HT	EAVG/EMAX	ANGLE: 79.10DEG	DIA

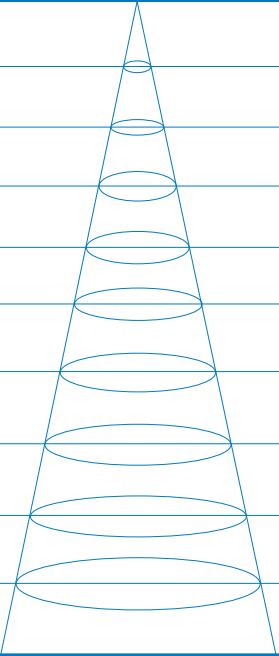
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.4 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 240W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 24,597LM

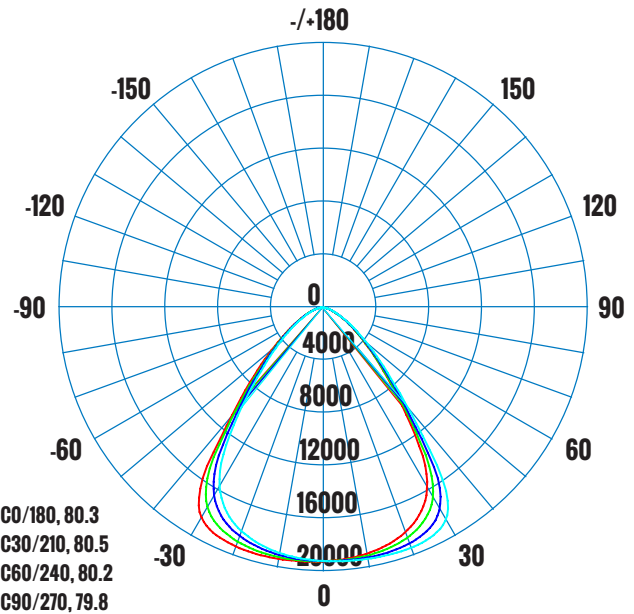
3.28FT 1M	11120, 19576LX		5.47FT 166.83CM
6.56FT 2M	2780, 4894LX		10.95FT 333.66CM
9.84FT 3M	1236, 2175LX		16.42FT 500.48CM
13.12FT 4M	695.0, 1224LX		21.89FT 667.31CM
16.40FT 5M	444.8, 783.0LX		27.37FT 834.14CM
19.69FT 6M	308.9, 446.3LX		32.84FT 1000.97CM
22.97FT 7M	226.9, 399.5LX		38.31FT 1167.79CM
26.25FT 8M	173.8, 305.9LX		43.79FT 1334.62CM
29.52FT 9M	137.3, 241.7LX		49.26FT 1501.45CM
32.80FT 10M	111.2, 195.8LX		54.73FT 1668.28CM
HT	EAVG/EMAX	ANGLE: 79.67DEG	DIA

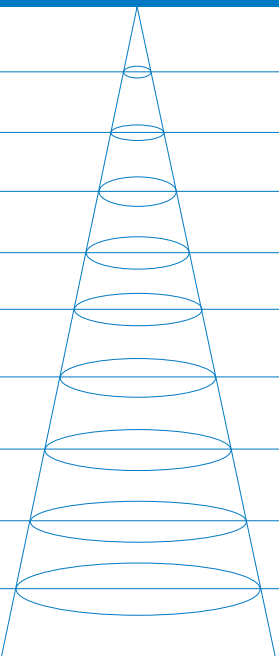
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.1 DEG

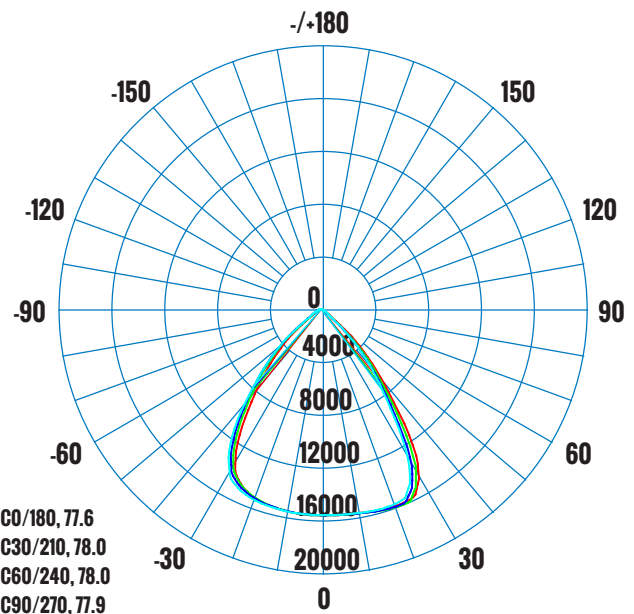
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - STANDARD 90° 240W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 24,494LM

3.28FT 1M	11073, 19464LX		5.49FT 167.30 CM
6.56FT 2M	2768, 4866LX		10.98FT 334.60 CM
9.84FT 3M	1230, 2163LX		16.46FT 501.90 CM
13.12FT 4M	692.1, 1217LX		21.96FT 669.21 CM
16.40FT 5M	442.9, 778.6LX		27.44FT 836.51 CM
19.69FT 6M	307.6, 540.7LX		32.93FT 1003.81 CM
22.97FT 7M	226.0, 397.2LX		38.42FT 1171.11 CM
26.25FT 8M	173.0, 304.1LX		43.91FT 1338.41 CM
29.52FT 9M	136.7, 240.3LX		49.40FT 1505.71 CM
32.80FT 10M	110.7, 194.6LX		54.89FT 1673.01 CM
HT	EAVG/EMAX	ANGLE: 79.83DEG	DIA

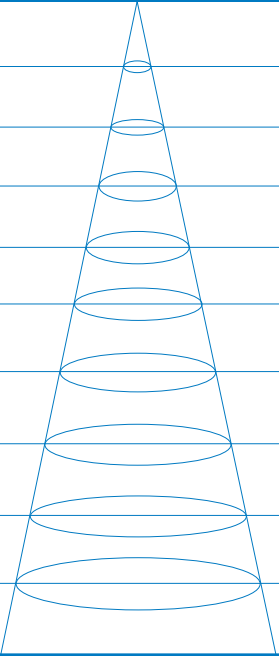
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.2 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 180W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 18,978LM

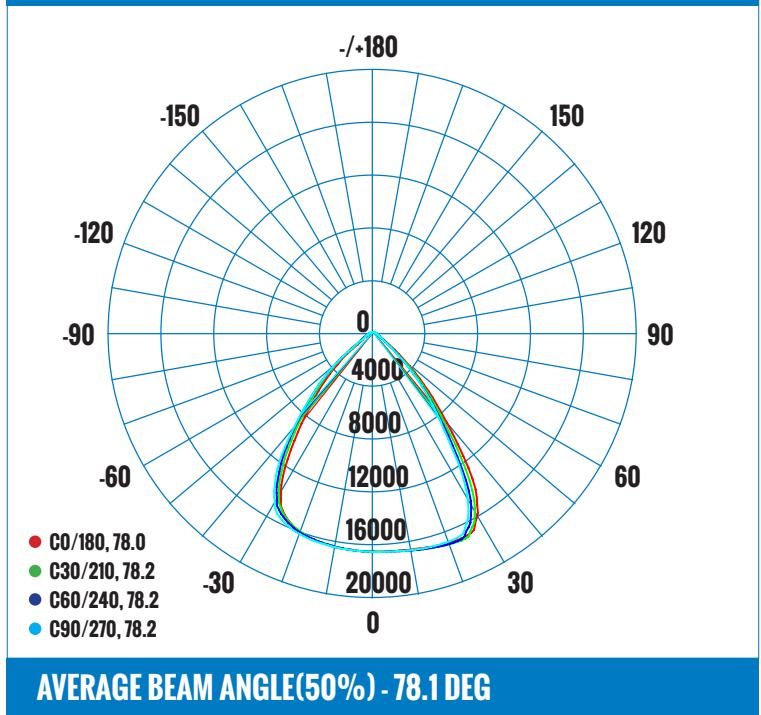
3.28FT 1M	9212, 15670LX		5.28FT 160.93CM
6.56FT 2M	2303, 3918LX		10.56FT 321.87CM
9.84FT 3M	1024, 1741LX		15.84FT 482.80CM
13.12FT 4M	575.8, 979.4LX		21.12FT 643.74CM
16.40FT 5M	368.5, 626.8LX		26.40FT 804.67CM
19.69FT 6M	255.9, 435.3LX		31.68FT 965.60CM
22.97FT 7M	188.0, 319.8LX		36.96FT 1126.54CM
26.25FT 8M	143.9, 244.8LX		42.24FT 1287.47CM
29.52FT 9M	113.7, 193.5LX		47.52FT 1448.41CM
32.80FT 10M	92.12, 156.7LX		52.80FT 1609.34CM
HT	EAVG/EMAX	ANGLE: 77.65DEG	DIA

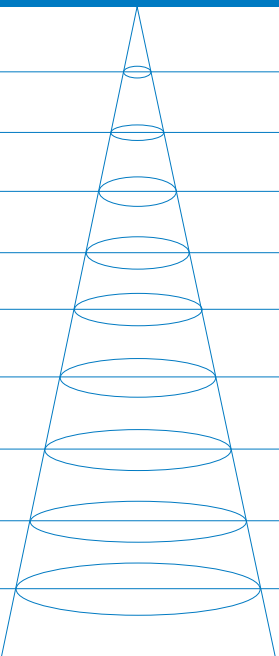
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 77.9 DEG

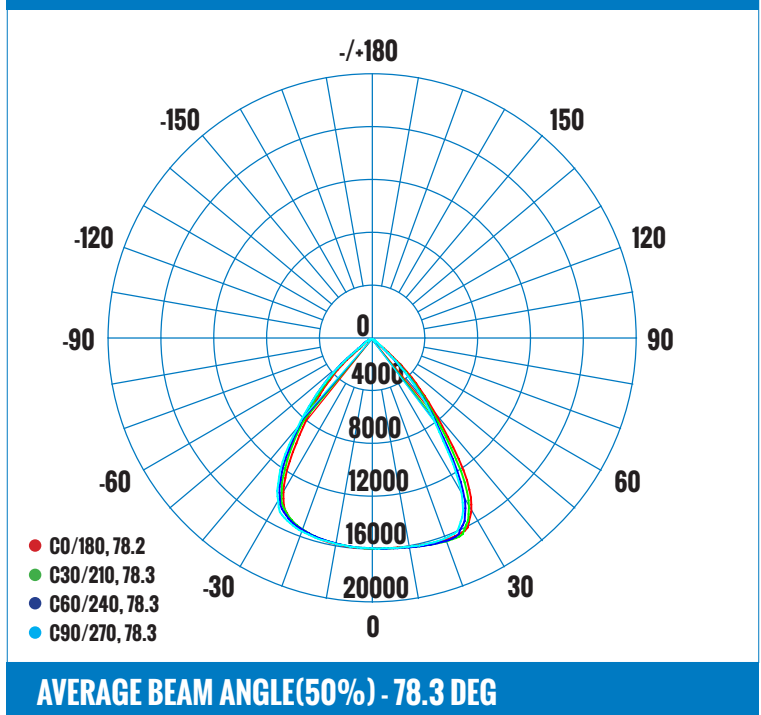
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 180W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 20,308LM

3.28FT 1M	9858, 16696LX		5.31FT 161.91 CM
6.56FT 2M	2464, 4174LX		10.62FT 323.83 CM
9.84FT 3M	1095, 1855LX		15.94FT 485.74 CM
13.12FT 4M	616.1, 1044LX		21.24FT 647.66 CM
16.40FT 5M	394.3, 667.9LX		26.56FT 809.57 CM
19.69FT 6M	273.8, 463.8LX		31.87FT 971.48 CM
22.97FT 7M	201.2, 340.7LX		37.19FT 1133.40 CM
26.25FT 8M	154.0, 260.9LX		42.50FT 1295.31 CM
29.52FT 9M	121.7, 206.1LX		47.81FT 1457.22 CM
32.80FT 10M	98.58, 167.0LX		53.12FT 1619.14 CM
HT	EAVG/EMAX	ANGLE: 77.99DEG	DIA

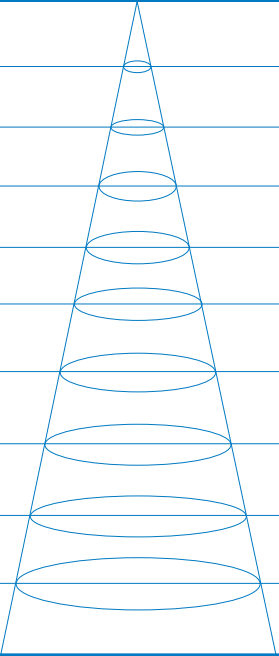
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 180W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 20,107LM

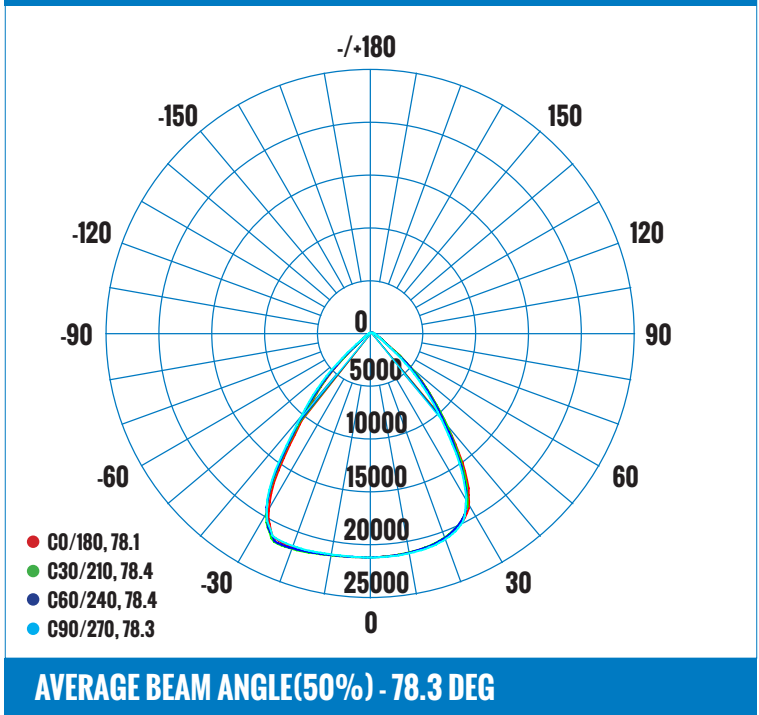
3.28FT 1M	9090, 16035LX		5.33FT 162.55CM
6.56FT 2M	2273, 4009LX		10.67FT 325.10CM
9.84FT 3M	1010, 1782LX		16.00FT 487.65CM
13.12FT 4M	568.1, 1002LX		21.33FT 650.20CM
16.40FT 5M	363.6, 641.4LX		26.67FT 812.75CM
19.69FT 6M	252.5, 445.4LX		32.00FT 975.30CM
22.97FT 7M	185.5, 327.2LX		37.33FT 1137.85CM
26.25FT 8M	142.0, 250.5LX		42.66FT 1300.40CM
29.52FT 9M	112.2, 198.0LX		48.00FT 1462.95CM
32.80FT 10M	90.90, 160.3LX		53.33FT 1625.50CM
HT	EAVG/EMAX	ANGLE: 78.21DEG	DIA

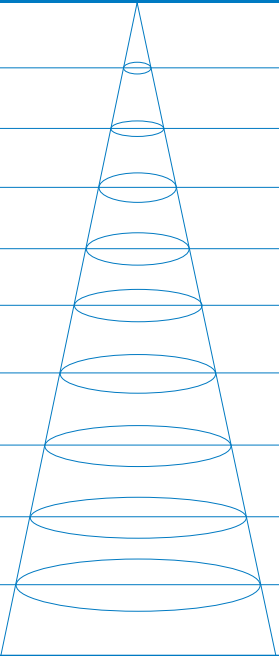
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM


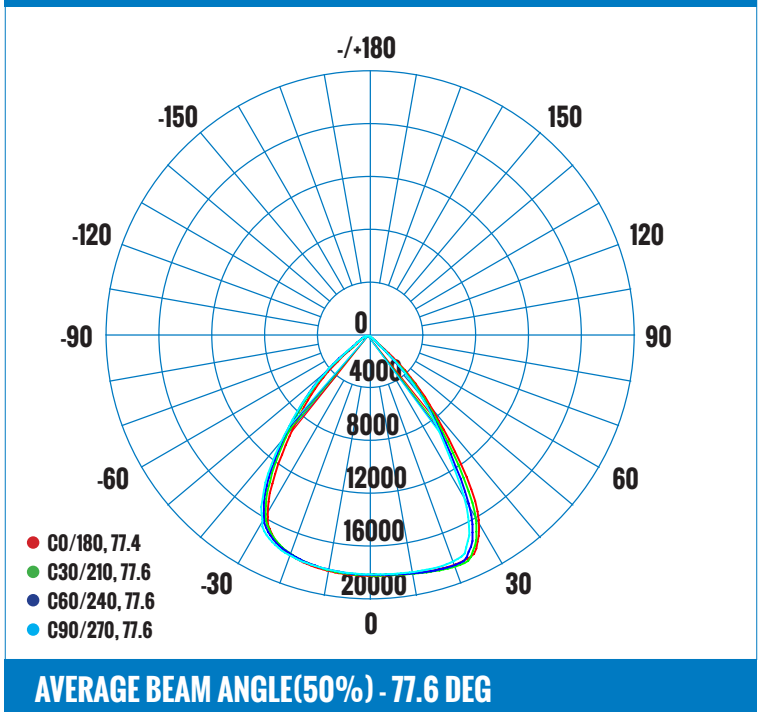
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 200W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 26,377LM

3.28FT 1M	11925, 21027LX		5.32FT 162.20 CM
6.56FT 2M	2981, 5257LX		12.07FT 324.41 CM
9.84FT 3M	1325, 2336LX		15.96FT 486.61 CM
13.12FT 4M	745.3, 1314LX		21.29FT 648.81 CM
16.40FT 5M	477.0, 841.1LX		26.61FT 811.01 CM
19.69FT 6M	331.2, 584.1LX		31.93FT 973.22 CM
22.97FT 7M	243.4, 429.1LX		37.25FT 1135.42 CM
26.25FT 8M	186.3, 328.5LX		42.57FT 1297.62 CM
29.52FT 9M	147.2, 259.6LX		47.89FT 1459.83 CM
32.80FT 10M	119.2, 210.3LX		53.22FT 1622.03 CM
HT	EAVG/EMAX	ANGLE: 78.09DEG	DIA

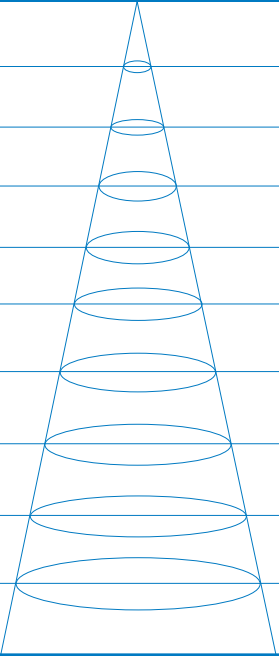
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 200W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 22,258LM

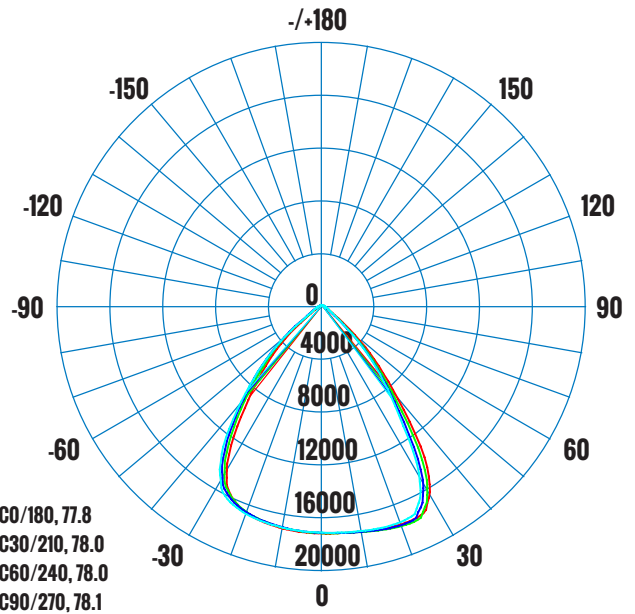
3.28FT 1M	10804, 18589LX		5.26FT 160.33CM
6.56FT 2M	2701, 4647LX		10.52FT 320.66CM
9.84FT 3M	1200, 2065LX		15.78FT 480.99CM
13.12FT 4M	675.3, 1162LX		21.04FT 641.32CM
16.40FT 5M	432.2, 743.5LX		26.30FT 801.66CM
19.69FT 6M	300.1, 516.4LX		31.56FT 961.99CM
22.97FT 7M	220.5, 379.4LX		36.82FT 1122.32CM
26.25FT 8M	168.8, 290.4LX		42.08FT 1282.65CM
29.52FT 9M	133.4, 229.5LX		47.34FT 1442.98CM
32.80FT 10M	108.0, 185.9LX		52.61FT 1603.31CM
HT	EAVG/EMAX	ANGLE: 77.44DEG	DIA

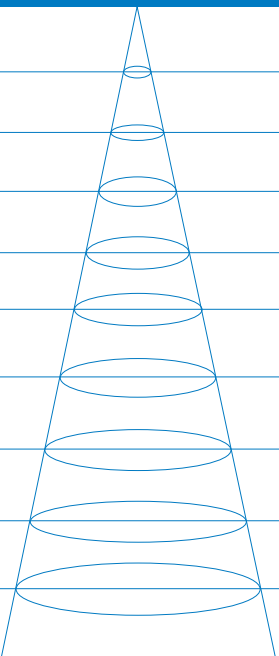
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM


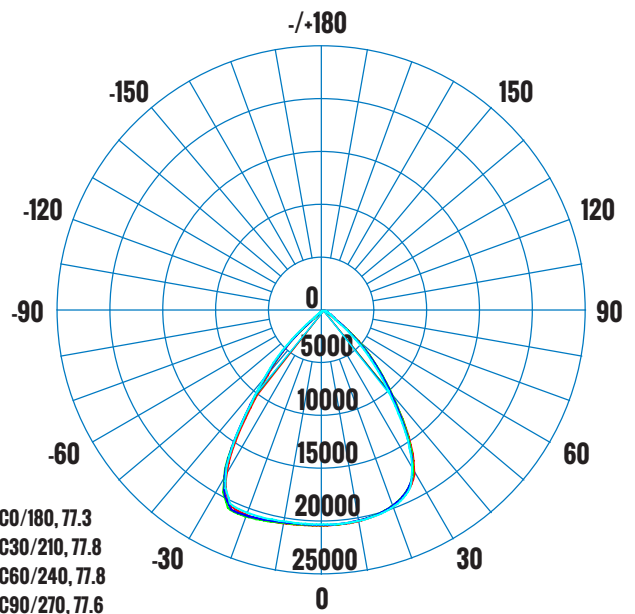
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 200W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 21,199LM

3.28FT 1M	10290, 17501LX		5.30FT 161.51 CM
6.56FT 2M	2573, 4375LX		10.60FT 323.02 CM
9.84FT 3M	1143, 1945LX		18.11FT 484.53 CM
13.12FT 4M	643.2, 1094LX		15.90FT 646.04 CM
16.40FT 5M	411.6, 700.0LX		26.49FT 807.55 CM
19.69FT 6M	285.8, 486.1LX		31.79FT 969.06 CM
22.97FT 7M	210.0, 357.2LX		37.09FT 1130.57 CM
26.25FT 8M	160.8, 273.5LX		42.39FT 1292.08 CM
29.52FT 9M	127.0, 216.1LX		47.69FT 1453.59 CM
32.80FT 10M	102.9, 175.0LX		52.99FT 1615.10 CM
HT	EAVG/EMAX	ANGLE: 77.85DEG	DIA

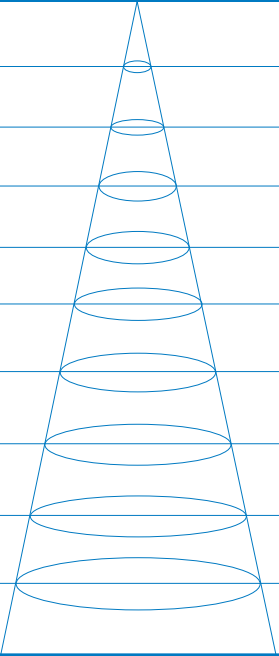
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 78.0 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 240W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 24,392LM

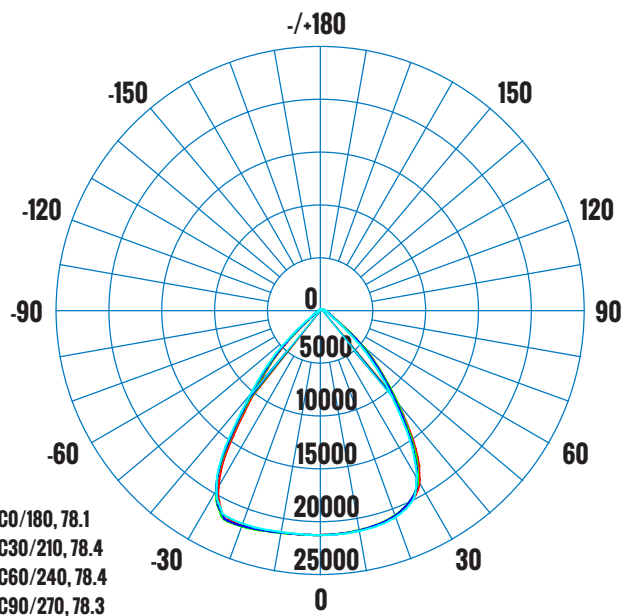
3.28FT 1M	11840, 20318LX		5.24FT 159.84CM
6.56FT 2M	2960, 5080LX		10.49FT 319.69CM
9.84FT 3M	1316, 2358LX		15.73FT 479.53CM
13.12FT 4M	740.0, 1270LX		20.96FT 639.38CM
16.40FT 5M	473.6, 812.7LX		26.22FT 799.22CM
19.69FT 6M	328.9, 564.4LX		31.47FT 959.07CM
22.97FT 7M	241.6, 414.7LX		36.71FT 1118.91CM
26.25FT 8M	185.0, 317.5LX		41.95FT 1278.76CM
29.52FT 9M	146.2, 250.8LX		57.20FT 1438.60CM
32.80FT 10M	118.4, 203.2LX		52.44FT 1598.44CM
HT	EAVG/EMAX	ANGLE: 77.27DEG	DIA

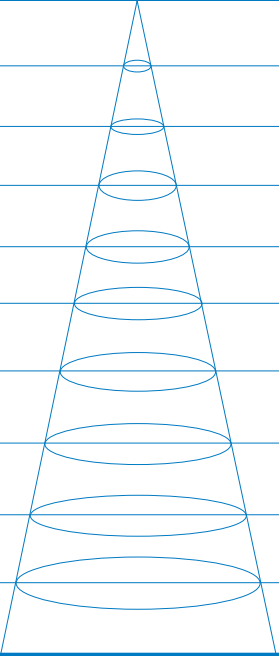
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 77.6 DEG

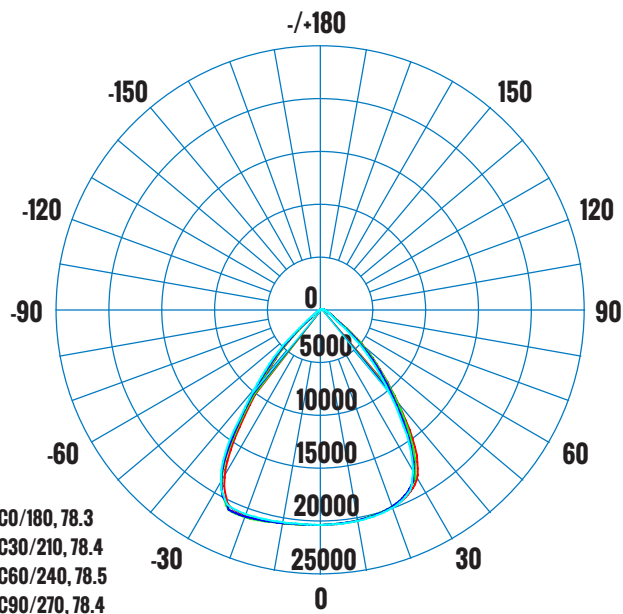
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 240W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 26,377LM

3.28FT 1M	11925, 21027LX		5.32FT 162.2 CM
6.56FT 2M	2981, 5257LX		10.64FT 324.41 CM
9.84FT 3M	1325, 2336LX		15.96FT 486.61 CM
13.12FT 4M	745.3, 1314LX		21.29FT 648.81 CM
16.40FT 5M	477.0, 841.1LX		26.61FT 811.01 CM
19.69FT 6M	331.2, 584.1LX		31.93FT 973.22 CM
22.97FT 7M	243.4, 429.1LX		37.25FT 1135.42 CM
26.25FT 8M	186.3, 328.5LX		42.57FT 1297.62 CM
29.52FT 9M	147.2, 259.6LX		47.89FT 1459.83 CM
32.80FT 10M	119.2, 210.3LX		53.22FT 1622.03 CM
HT	EAVG/EMAX	ANGLE: 78.09DEG	DIA

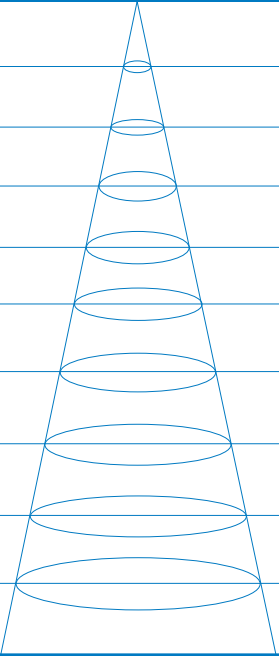
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 78.3 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - ALUMINUM REFLECTOR 90° 240W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 25,681LM

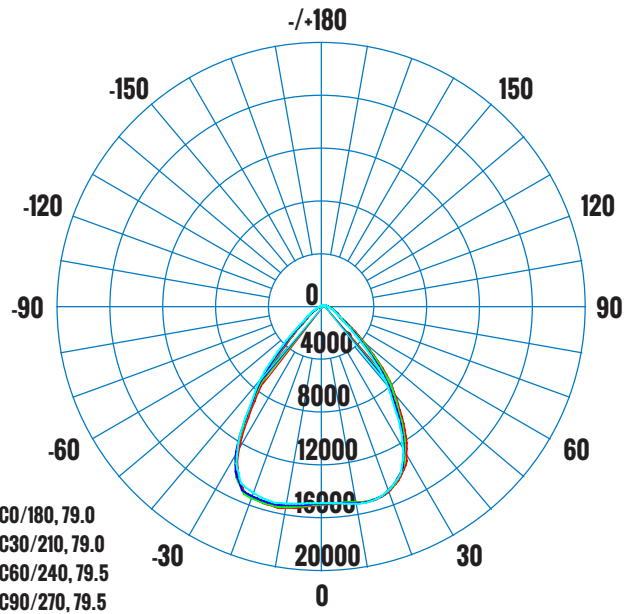
3.28FT 1M	11610, 20426LX		5.34FT 162.90CM
6.56FT 2M	2903, 5106LX		10.69FT 325.80CM
9.84FT 3M	1290, 2270LX		16.03FT 488.69CM
13.12FT 4M	725.6, 1277LX		21.38FT 651.59CM
16.40FT 5M	464.4, 817.0LX		26.72FT 814.49CM
19.69FT 6M	322.5, 567.4LX		32.07FT 977.39CM
22.97FT 7M	236.9, 416.9LX		37.41FT 1140.29CM
26.25FT 8M	181.4, 319.2LX		42.76FT 1303.19CM
29.52FT 9M	143.3, 252.2LX		48.10FT 1466.08CM
32.80FT 10M	116.1, 204.3LX		55.74FT 1628.98CM
HT	EAVG/EMAX	ANGLE: 78.33DEG	DIA

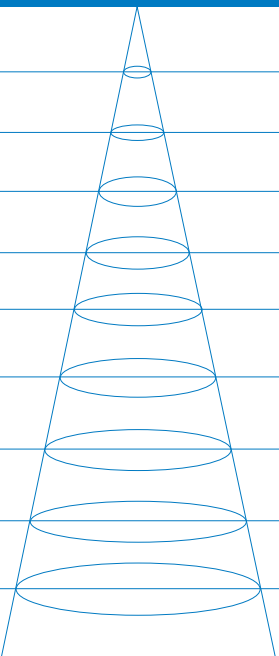
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 78.4 DEG

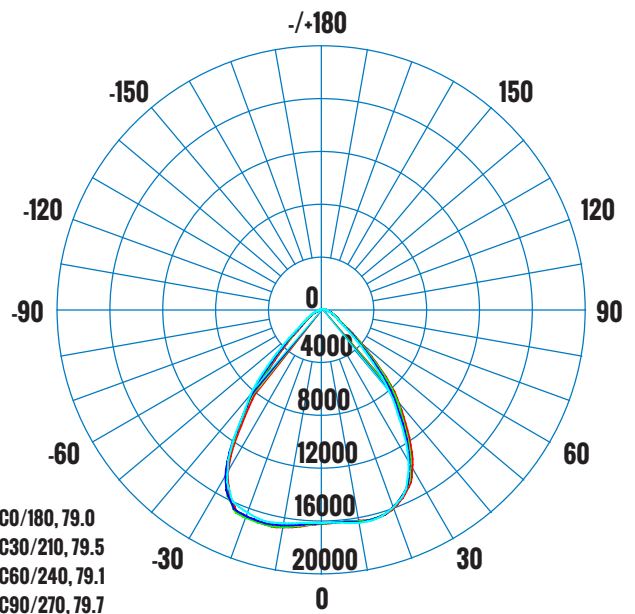
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 180W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 18,474LM

3.28FT 1M	8352, 15125LX		5.45FT 166.18 CM
6.56FT 2M	2088, 3781LX		12.07FT 332.36 CM
9.84FT 3M	928.0, 1681LX		10.90FT 498.53 CM
13.12FT 4M	522.0, 945.3LX		21.81FT 664.71 CM
16.40FT 5M	334.1, 605.0LX		27.26FT 830.89 CM
19.69FT 6M	232.0, 420.1LX		32.71FT 997.07 CM
22.97FT 7M	170.4, 308.7LX		38.16FT 1163.24 CM
26.25FT 8M	130.5, 236.3LX		43.62FT 1329.42 CM
29.52FT 9M	103.1, 186.7LX		49.07FT 1495.60 CM
32.80FT 10M	83.52, 151.3LX		54.52FT 1661.78 CM
HT	EAVG/EMAX	ANGLE: 79.45DEG	DIA

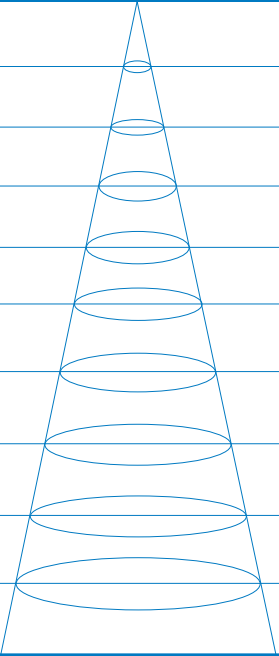
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.3 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 180W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 20,226LM

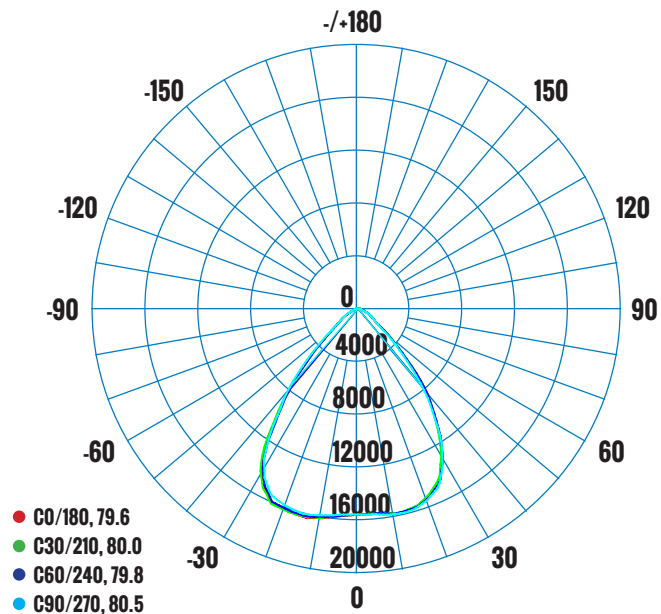
3.28FT 1M	9144, 16425LX		5.48FT 167.06CM
6.56FT 2M	2286, 4106LX		12.08FT 334.13CM
9.84FT 3M	1016, 1825LX		10.96FT 501.19CM
13.12FT 4M	571.5, 1027LX		21.92FT 668.26CM
16.40FT 5M	365.8, 657.0LX		27.41FT 835.32CM
19.69FT 6M	254.0, 456.3LX		32.89FT 1002.39CM
22.97FT 7M	186.6, 335.2LX		42.26FT 1169.45CM
26.25FT 8M	142.9, 256.6LX		38.37FT 1336.51CM
29.52FT 9M	112.9, 202.8LX		49.33FT 1503.58CM
32.80FT 10M	91.44, 164.3LX		54.81FT 1670.64CM
HT	EAVG/EMAX	ANGLE: 79.75DEG	DIA

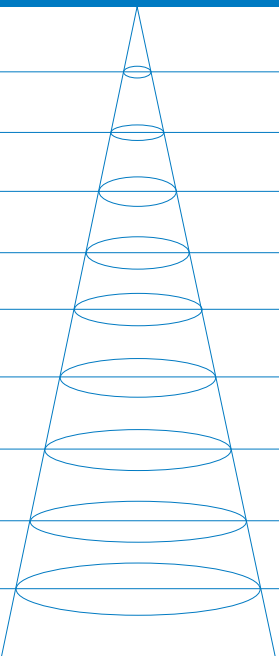
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.3 DEG

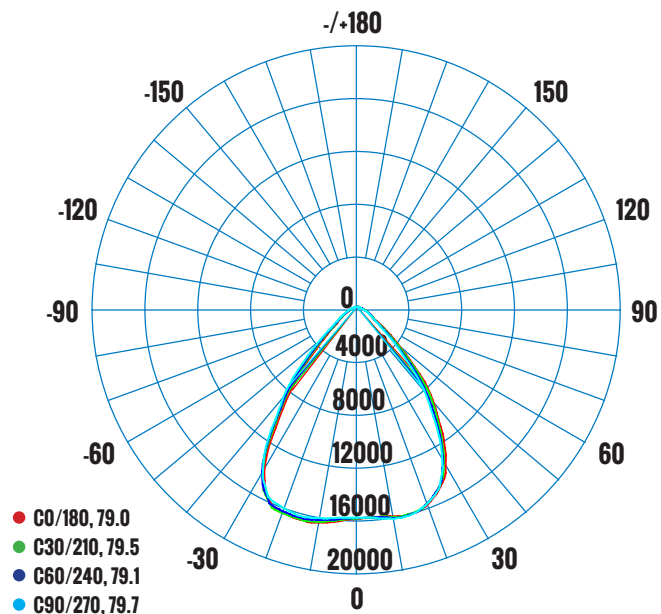
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 180W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 20,054LM

3.28FT 1M	8447, 15543LX		5.55FT 169.18 CM
6.56FT 2M	2112, 3886LX		11.10FT 338.36 CM
9.84FT 3M	938.6, 1727LX		16.65FT 507.53 CM
13.12FT 4M	528.0, 971.4LX		22.20FT 676.71 CM
16.40FT 5M	337.9, 621.7LX		27.75FT 845.89 CM
19.69FT 6M	234.7, 431.7LX		33.31FT 1015.07 CM
22.97FT 7M	172.4, 317.2LX		38.85FT 1184.25 CM
26.25FT 8M	132.0, 242.9LX		44.40FT 1353.42 CM
29.52FT 9M	104.3, 191.9LX		49.95FT 1522.60 CM
32.80FT 10M	84.47, 155.4LX		55.50FT 1691.78 CM
HT	EAVG/EMAX	ANGLE: 80.46DEG	DIA

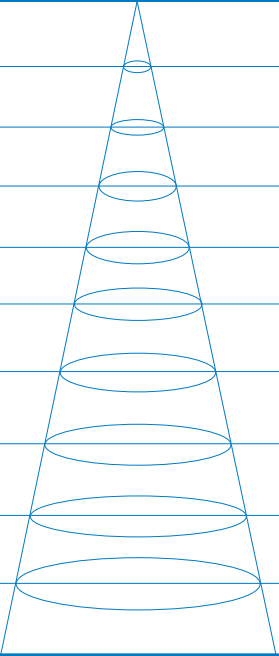
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.9 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 200W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 19,767LM

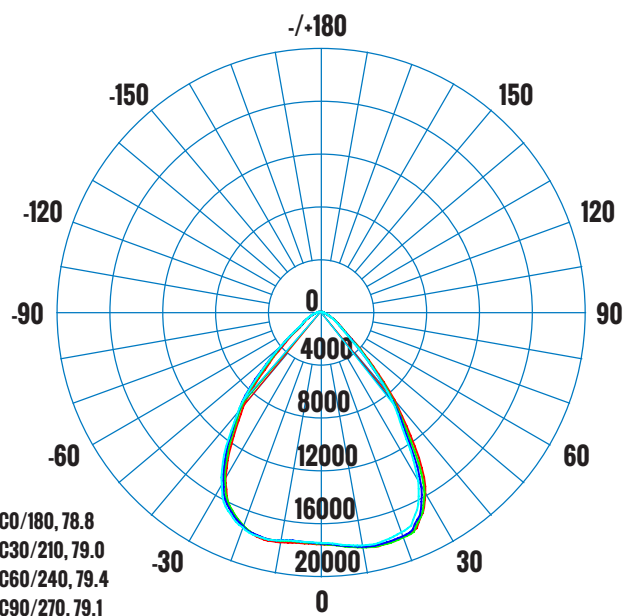
3.28FT 1M	8936, 16035LX		5.48FT 167.06CM
6.56FT 2M	2234, 4009LX		10.96FT 334.13CM
9.84FT 3M	1016, 1825LX		16.46FT 501.72CM
13.12FT 4M	571.5, 1027LX		21.95FT 668.96CM
16.40FT 5M	365.8, 657.0LX		27.43FT 836.20CM
19.69FT 6M	254.0, 456.3LX		32.92FT 1003.44CM
22.97FT 7M	186.6, 335.2LX		38.41FT 1170.68CM
26.25FT 8M	142.9, 256.6LX		43.90FT 1337.92CM
29.52FT 9M	112.9, 202.8LX		49.38FT 1505.16CM
32.80FT 10M	91.44, 164.3LX		54.87FT 1672.40CM
HT	EAVG/EMAX	ANGLE: 79.80DEG	DIA

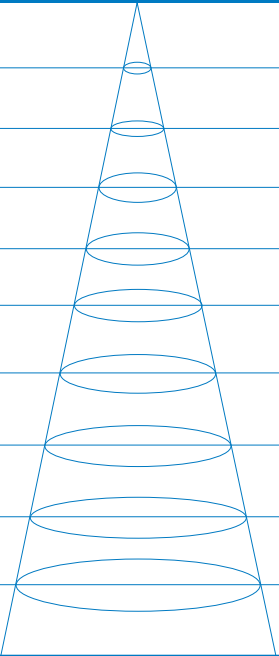
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.6 DEG

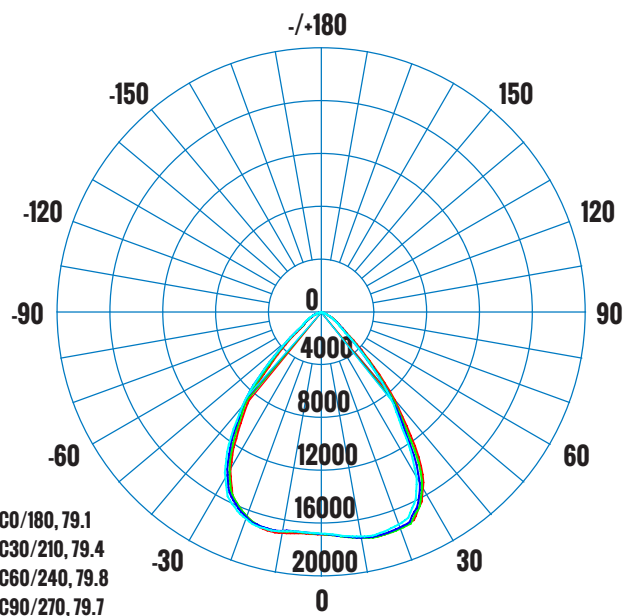
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 200W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 22,140LM

3.28FT 1M	10009, 17934LX		5.42FT 165.27 CM
6.56FT 2M	2502, 4483LX		10.84FT 330.53 CM
9.84FT 3M	1112, 1993LX		16.27FT 495.80 CM
13.12FT 4M	625.6, 1121LX		21.69FT 661.06 CM
16.40FT 5M	400.4, 717.3LX		27.11FT 826.33 CM
19.69FT 6M	278.0, 498.2LX		32.53FT 991.59 CM
22.97FT 7M	204.3, 366.0LX		37.95FT 1156.86 CM
26.25FT 8M	156.4, 280.2LX		43.38FT 1322.13 CM
29.52FT 9M	123.6, 221.4LX		48.80FT 1487.39 CM
32.80FT 10M	100.1, 179.3LX		54.22FT 1652.66 CM
HT	EAVG/EMAX	ANGLE: 79.14DEG	DIA

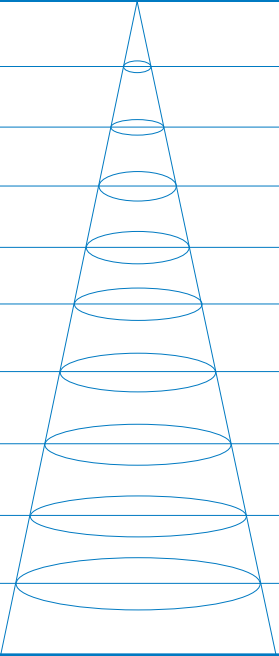
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.1 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 200W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 21,067LM

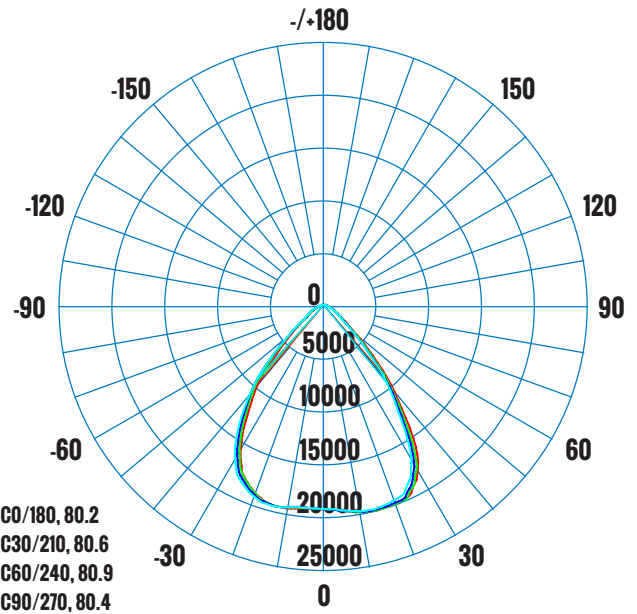
3.28FT 1M	9524, 16848LX		5.48FT 166.98CM
6.56FT 2M	2381, 4212LX		10.96FT 333.95CM
9.84FT 3M	1058, 1872LX		16.43FT 500.93CM
13.12FT 4M	595.2, 1053LX		21.91FT 667.90CM
16.40FT 5M	381.0, 673.9LX		27.39FT 834.88CM
19.69FT 6M	264.6, 468.0LX		32.87FT 1001.85CM
22.97FT 7M	194.4, 343.8LX		38.35FT 1168.83CM
26.25FT 8M	148.8, 263.3LX		43.83FT 1335.80CM
29.52FT 9M	117.6, 208.0LX		49.30FT 1502.78CM
32.80FT 10M	95.24, 168.5LX		54.78FT 1669.75CM
HT	EAVG/EMAX	ANGLE: 79.72DEG	DIA

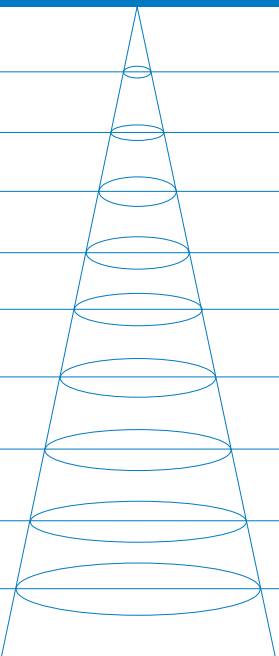
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 79.5 DEG

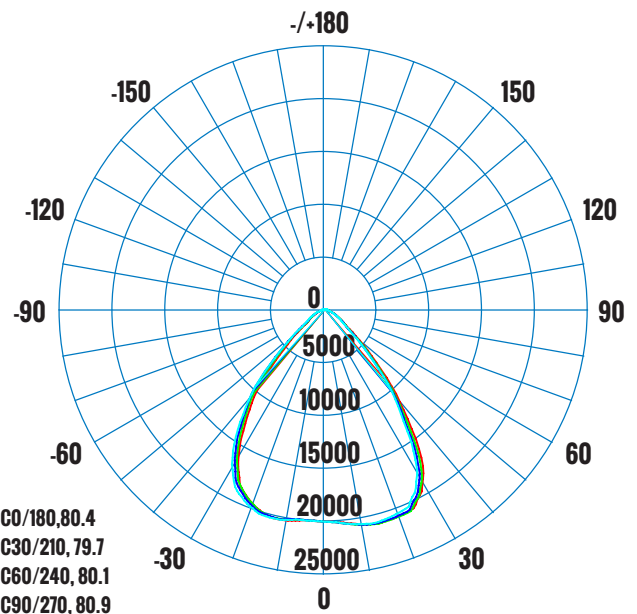
PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 240W 3500K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 24,840LM

3.28FT 1M	10464, 19320LX		5.52FT 168.28 CM
6.56FT 2M	2616, 4830LX		11.04FT 336.56 CM
9.84FT 3M	1163, 2147LX		16.56FT 504.84 CM
13.12FT 4M	654.0, 1207LX		22.08FT 673.12 CM
16.40FT 5M	418.5, 772.8LX		27.60FT 841.40 CM
19.69FT 6M	290.7, 536.7LX		33.13FT 1009.68 CM
22.97FT 7M	213.5, 394.3LX		38.65FT 1177.96 CM
26.25FT 8M	163.5, 301.9LX		44.17FT 1346.25 CM
29.52FT 9M	129.2, 238.5LX		49.69FT 1514.53 CM
32.80FT 10M	104.6, 193.2LX		55.21FT 1682.81 CM
HT	EAVG/EMAX	ANGLE: 80.15DEG	DIA

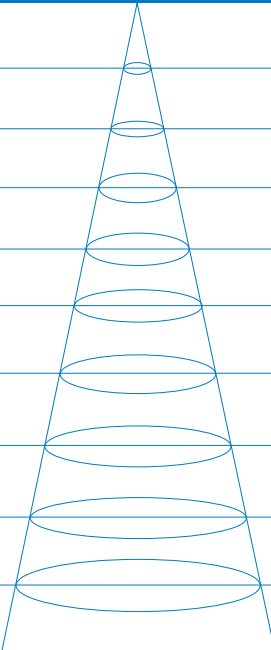
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.5 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 240W 4000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 26,220LM

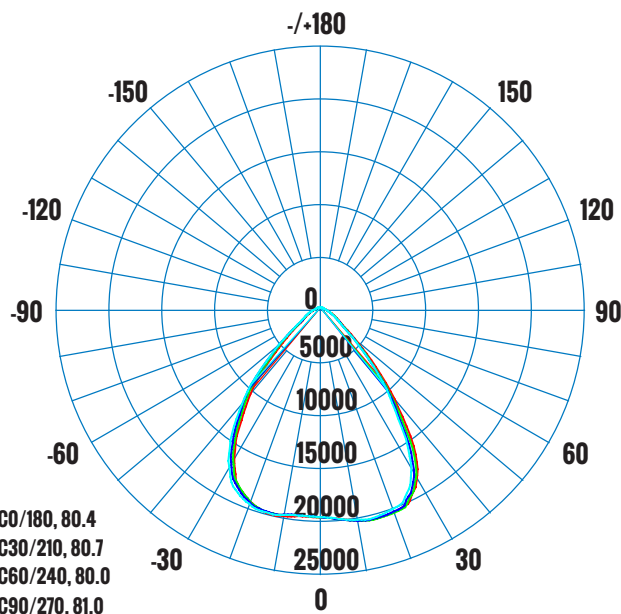
3.28FT 1M	11045, 20269LX		5.55FT 169.03CM
6.56FT 2M	2761, 5067LX		11.09FT 338.05CM
9.84FT 3M	1227, 2252LX		16.64FT 507.08CM
13.12FT 4M	690.3, 1267LX		22.18FT 676.11CM
16.40FT 5M	441.8, 810.8LX		27.73FT 845.14CM
19.69FT 6M	306.8, 563.0LX		33.27FT 1014.16CM
22.97FT 7M	225.4, 413.7LX		38.82FT 1183.19CM
26.25FT 8M	172.6, 316.7LX		44.36FT 1352.22CM
29.52FT 9M	136.4, 250.2LX		49.91FT 1521.24CM
32.80FT 10M	110.4, 202.7LX		55.45FT 1690.27CM
HT	EAVG/EMAX	ANGLE: 80.40DEG	DIA

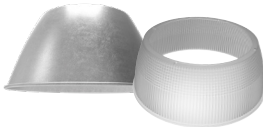
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.3 DEG

PRODUCT CODE: HBRA5P-M240WCOMB-C9-10G
LED HIGH BAY/ROUND/MULTI-WATTAGE/3CCT

LUMINAIRE PHOTOMETRIC (TEST REPORT) - PC REFLECTOR 90° 240W 5000K
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 25,555LM

3.28FT 1M	10765, 19773LX		5.55FT 169.09 CM
6.56FT 2M	2691, 4943LX		11.09FT 338.17 CM
9.84FT 3M	1196, 2197LX		16.64FT 507.26 CM
13.12FT 4M	672.8, 1236LX		22.19FT 676.35 CM
16.40FT 5M	430.6, 790.9LX		27.74FT 845.44 CM
19.69FT 6M	299.0, 549.2LX		33.28FT 1014.52 CM
22.97FT 7M	219.7, 403.5LX		38.83FT 1183.61 CM
26.25FT 8M	168.2, 309.0LX		44.38FT 1352.70 CM
29.52FT 9M	132.9, 244.1LX		49.93FT 1521.78 CM
32.80FT 10M	107.6, 197.7LX		55.48FT 1690.87 CM
HT	EAVG/EMAX	ANGLE: 80.42DEG	DIA

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 80.5 DEG
CERTIFICATIONS
DRIVER / LED CHIP
ACCESSORIES

    CAN ICES-005 (B) / NMB-005 (B)	 DIMMABLE	 90D ALUMINUM REFLECTOR - PART#: HBRA5P-90D-ALRF-M240 90D POLYCARBONATE REFLECTOR - PART#: HBRA5P-90D-PCR-F-M240	 SAFETY ROPE - PART#: HBRA5P-M240	 WIRE GUARD - PART#: HBRA5P-WG-M240 YOKE MOUNT BRACKET - PART#: HBRA5P-YK-M240	 MICROWAVE SENSOR - PART#: HBR5-SENMC REMOTE CONTROL - PART#: HB5-RCS
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ORDERING INFORMATION - HBRA5P SERIES

SERIES	STYLE	WATTAGE	VOLT	COLOR TEMP	DIM	MICRO BASE	LENS / BEAM	CORD / FINISH
E.G. HBRA	5P	M240	W	C	0	MB	C90	10G
HB - HIGH BAY	5P - DLC5.1	M150 - MULTI WATTAGE	W - 120-347V	C - CCT 3500K /	0 = 0-10V CONTINUOUS	MB - MICROWAVE	C - CLEAR LENS	10 - 10 FT CORD
ROUND ARCHITECTURAL	PREMIUM	180W / 200W / 240W		4000K / 5000K	DIMMING	BASE INSTALLED	90 - 90° BEAM ANGLE	G- GRAY FINISH

WHEN PURCHASING LENS/REFLECTORS OR MOUNTING OPTIONS, PLEASE REFERENCE PART NUMBER.

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