

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P200665

Luminaire Tested: **GPC-AF-01-LED-E1-T2R-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-T2R-8030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5927 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

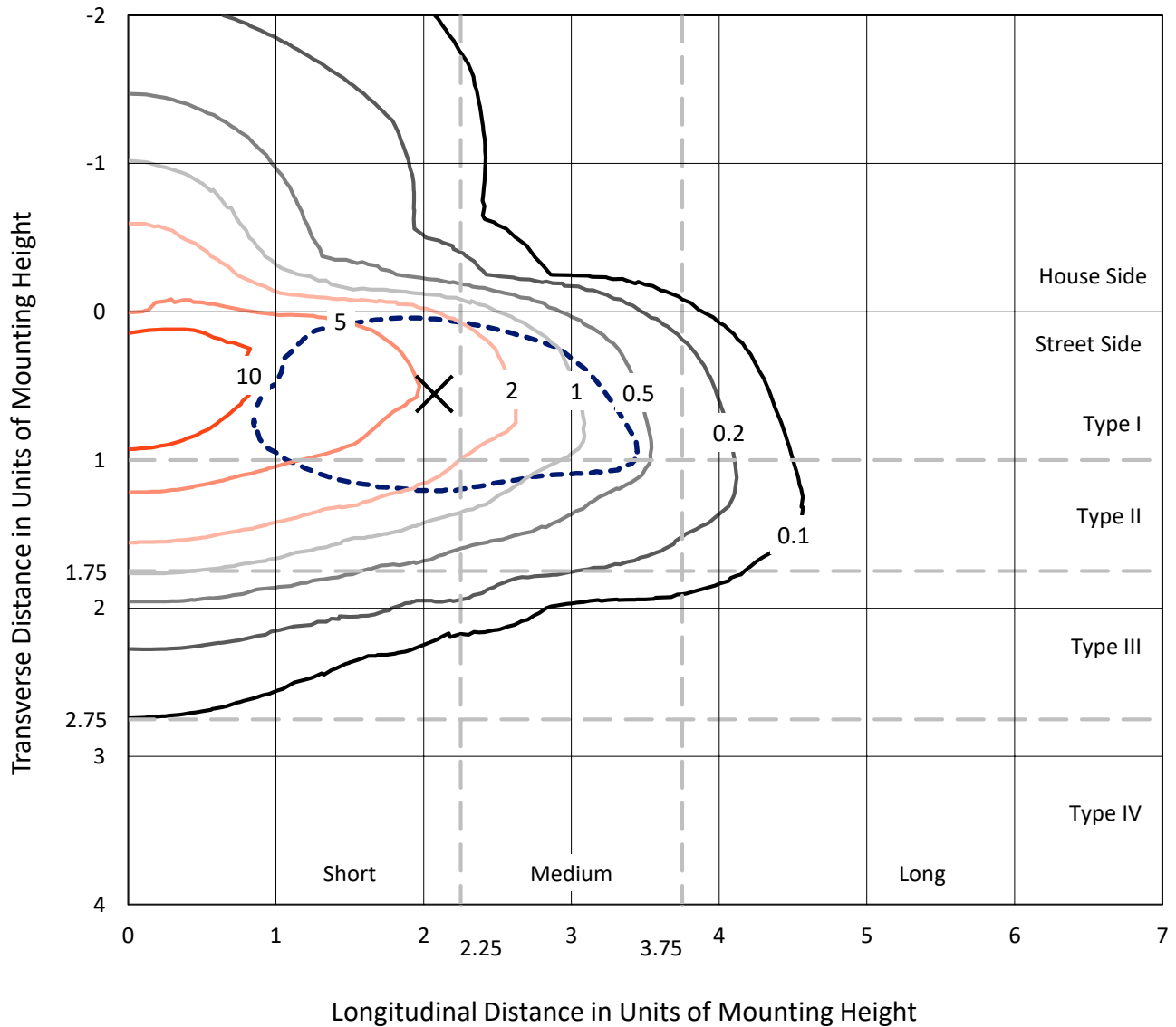
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200665
 CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

Iso-Footcandle Lines of Horizontal Illumination

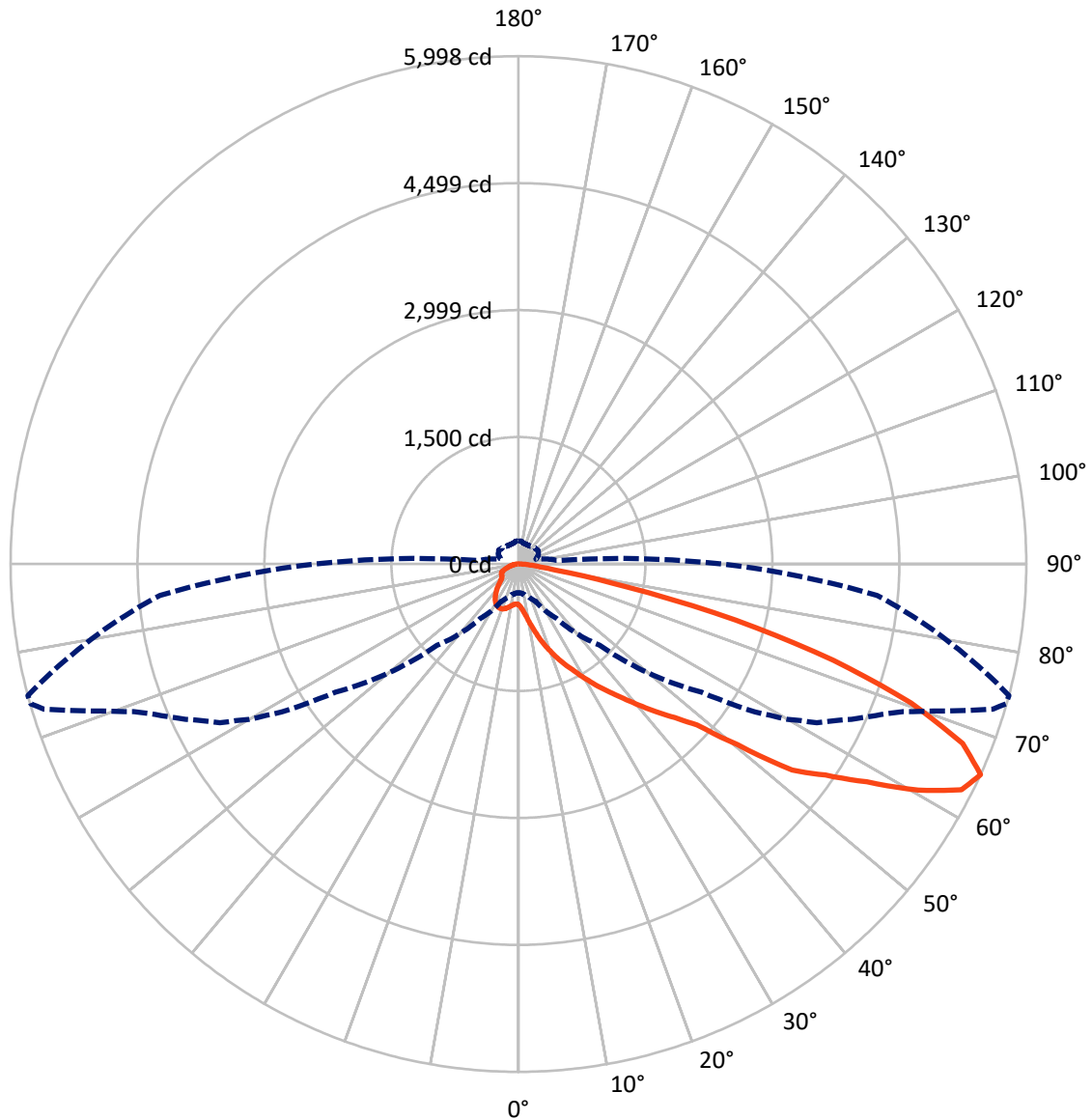
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P200665
CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P200665

CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	913.8	0.0	913.8
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	5013.2	0.0	5013.2
	% Fixture	84.6	0.0	84.6
Total	Lumens	5927.0	0.0	5927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.0
10°-20°	232.6	3.9
20°-30°	477.3	8.1
30°-40°	803.0	13.5
40°-50°	1109.5	18.7
50°-60°	1385.0	23.4
60°-70°	1246.3	21.0
70°-80°	522.5	8.8
80°-90°	91.3	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5927.0	100.0
0°-180°	5927.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200665

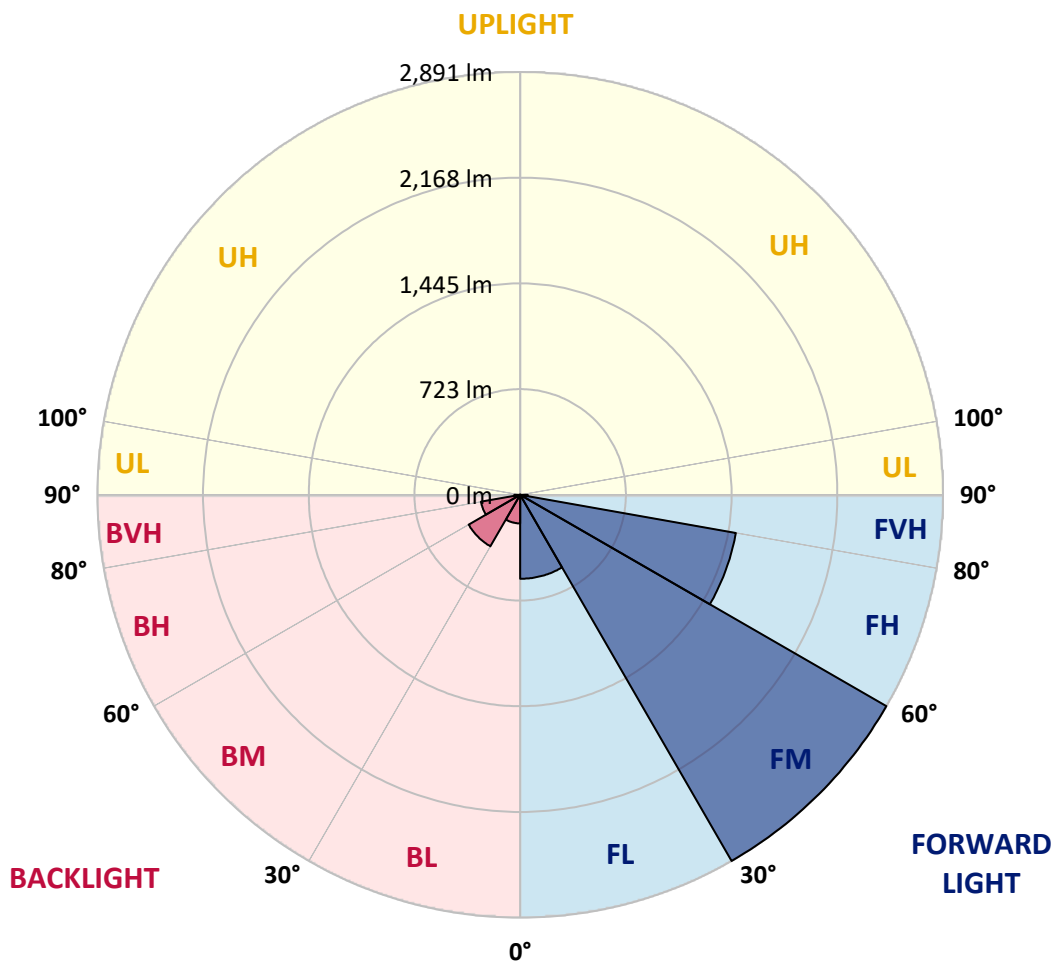
CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.0	9.7			
FM (30°-60°)	2890.7	48.8			
FH (60°-80°)	1497.1	25.3			G1/1800
FVH (80°-90°)	51.3	0.9			G1/100
BL (0°-30°)	195.4	3.3	B1/500		
BM (30°-60°)	406.7	6.9	B1/1000		
BH (60°-80°)	271.7	4.6	B1/500		G1/500
BVH (80°-90°)	40.0	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P200665

CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	611.6	604.8	606.5	595.3	581.6	563.6	543.7	543.4	543.7	541.7	534.4
5°	848.1	839.9	836.8	811.6	774.6	721.8	664.6	658.4	655.9	649.4	634.6
7.5°	1020.6	1016.1	1011.3	992.3	958.6	899.7	822.8	809.6	797.0	793.9	777.1
10°	1132.0	1130.8	1120.7	1115.7	1094.7	1043.6	968.7	956.1	942.3	937.6	919.9
12.5°	1220.1	1219.8	1215.0	1216.4	1198.2	1161.1	1096.6	1085.1	1075.0	1060.4	1047.8
15°	1280.9	1281.2	1288.2	1296.1	1293.3	1268.3	1207.7	1202.7	1194.0	1183.9	1169.0
17.5°	1330.9	1332.3	1339.6	1353.9	1369.3	1367.3	1319.4	1315.2	1307.6	1293.8	1286.0
20°	1443.6	1449.0	1434.9	1434.9	1436.6	1444.2	1421.2	1417.8	1407.2	1399.9	1393.7
22.5°	1634.1	1640.3	1608.6	1576.3	1544.6	1521.6	1498.6	1502.8	1495.5	1490.5	1486.8
25°	1881.6	1886.3	1835.0	1780.6	1716.0	1631.9	1574.9	1572.4	1568.5	1565.4	1563.7
27.5°	2114.4	2116.4	2067.8	1988.2	1913.3	1792.4	1652.4	1649.3	1644.5	1638.6	1633.6
30°	2313.6	2313.0	2263.1	2187.1	2106.8	1973.0	1769.9	1760.4	1746.3	1730.4	1718.0
32.5°	2486.1	2485.3	2430.6	2351.7	2267.6	2152.0	1930.9	1911.3	1889.4	1858.3	1839.5
35°	2621.9	2621.3	2569.7	2487.5	2391.0	2320.6	2115.5	2091.4	2063.6	2021.8	1992.9
37.5°	2673.2	2673.2	2644.3	2588.2	2503.0	2454.7	2320.6	2291.4	2261.7	2214.3	2181.7
40°	2643.2	2643.8	2650.0	2639.6	2598.1	2561.0	2511.9	2494.5	2469.0	2426.4	2392.4
42.5°	2542.5	2545.6	2586.6	2636.8	2657.5	2651.6	2681.7	2673.8	2655.8	2623.0	2596.1
45°	2414.9	2424.4	2469.3	2564.1	2674.1	2729.9	2823.9	2824.7	2821.4	2803.7	2782.9
47.5°	2239.5	2253.0	2312.2	2440.4	2635.4	2805.9	2968.4	2975.9	2983.0	2971.4	2961.9
50°	2006.7	2022.7	2111.3	2281.3	2556.5	2884.8	3241.3	3275.6	3307.5	3303.6	3310.1
52.5°	1757.3	1776.1	1884.6	2074.0	2421.0	2903.0	3415.8	3471.6	3527.5	3573.2	3621.7
55°	1532.3	1522.2	1630.8	1830.2	2198.3	2820.8	3572.6	3640.0	3702.2	3758.4	3816.1
57.5°	1227.3	1243.9	1352.7	1550.0	1903.4	2588.8	3680.6	3779.1	3868.6	3961.5	4043.4
60°	897.2	913.7	1031.8	1232.1	1583.4	2237.0	3598.2	3747.4	3890.8	4033.0	4144.1
62.5°	541.7	554.1	658.1	848.9	1220.9	1819.8	3230.7	3426.5	3637.4	3807.4	3977.7
65°	337.2	344.2	382.7	487.6	784.1	1358.6	2639.6	2853.1	3080.3	3296.0	3473.0
67.5°	276.0	278.6	285.6	308.0	430.6	885.9	1964.6	2153.7	2358.8	2567.5	2764.4
70°	248.3	246.6	246.6	248.0	276.0	476.4	1286.3	1409.4	1580.3	1761.8	1941.9
72.5°	224.1	222.5	219.4	215.2	225.3	290.6	664.9	757.7	880.9	1042.2	1214.7
75°	201.4	199.2	195.5	190.2	197.2	219.4	319.3	358.2	418.3	504.1	600.3
77.5°	177.9	175.1	171.7	167.8	176.7	170.6	187.1	201.1	224.1	251.6	287.8
80°	151.2	148.7	147.6	145.6	156.3	129.9	132.1	140.8	154.3	169.2	186.0
82.5°	118.4	118.4	122.9	123.7	135.5	93.4	98.7	106.3	113.3	121.2	129.0
85°	78.0	78.6	93.7	99.6	106.9	62.8	74.1	76.6	82.2	86.7	90.1
87.5°	24.4	26.4	57.2	63.4	61.4	35.6	45.4	46.6	50.5	53.6	56.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200665

CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	534.4	531.1	528.0	527.7	525.4	522.4	523.5	518.7	519.0	516.5	513.7
5°	628.4	626.2	614.9	611.9	603.4	598.1	597.3	586.0	584.6	578.2	571.2
7.5°	763.6	756.3	740.6	733.0	718.7	708.1	703.0	688.2	680.9	664.0	656.5
10°	905.3	896.0	876.7	866.0	852.3	835.2	825.9	804.3	795.9	780.5	761.9
12.5°	1036.6	1027.3	1007.4	999.3	981.0	962.8	952.7	928.3	917.4	892.7	878.1
15°	1158.1	1148.8	1131.4	1123.0	1104.8	1089.9	1076.4	1052.3	1039.4	1016.4	997.3
17.5°	1275.9	1266.1	1250.9	1243.3	1225.7	1210.5	1195.9	1173.2	1160.0	1137.0	1119.9
20°	1385.3	1378.0	1367.1	1357.0	1339.3	1325.5	1308.1	1288.5	1269.4	1252.6	1236.3
22.5°	1480.7	1477.9	1466.1	1461.6	1446.4	1434.7	1419.5	1400.2	1386.4	1365.1	1349.9
25°	1562.9	1562.0	1556.4	1555.0	1544.4	1533.1	1529.8	1513.8	1501.2	1482.4	1466.6
27.5°	1633.6	1634.4	1633.0	1636.9	1634.1	1629.1	1629.4	1624.0	1616.7	1601.0	1587.3
30°	1712.1	1707.6	1710.2	1715.8	1717.4	1718.0	1727.3	1730.4	1729.8	1719.4	1712.7
32.5°	1823.2	1812.5	1802.7	1801.9	1807.5	1809.7	1825.5	1833.6	1840.6	1843.1	1844.3
35°	1964.9	1943.6	1923.1	1912.1	1902.6	1905.1	1916.3	1929.5	1945.0	1955.6	1968.2
37.5°	2143.3	2117.2	2081.0	2055.2	2048.8	2034.7	2042.0	2052.4	2067.6	2084.1	2106.0
40°	2359.6	2320.0	2279.4	2245.1	2226.6	2200.8	2200.5	2198.6	2207.8	2223.3	2254.1
42.5°	2567.8	2532.7	2489.5	2453.6	2429.5	2394.9	2387.9	2369.7	2373.9	2387.4	2417.4
45°	2762.7	2733.8	2707.5	2665.9	2645.5	2608.2	2596.4	2574.8	2562.7	2568.9	2598.9
47.5°	2951.5	2933.0	2905.5	2878.6	2862.9	2829.5	2814.3	2798.9	2783.5	2782.9	2814.3
50°	3319.6	3309.8	3277.2	3249.2	3256.8	3215.8	3218.3	3176.8	3195.6	3197.8	3263.8
52.5°	3665.5	3699.7	3723.8	3753.3	3772.4	3776.0	3788.7	3807.4	3830.2	3875.1	3936.2
55°	3863.6	3906.5	3931.4	3953.9	3990.9	3998.8	4019.8	4044.8	4064.7	4115.2	4167.1
57.5°	4098.9	4178.6	4217.3	4252.9	4302.9	4322.0	4357.0	4384.2	4410.0	4469.8	4532.6
60°	4244.0	4341.0	4419.9	4476.2	4538.8	4583.7	4636.7	4679.4	4740.0	4811.5	4905.2
62.5°	4128.7	4271.2	4375.8	4472.6	4557.6	4643.4	4719.5	4799.1	4891.2	4999.5	5144.8
65°	3669.4	3814.5	3993.7	4094.2	4206.7	4339.1	4454.6	4583.7	4709.1	4866.8	5081.6
67.5°	2954.1	3122.7	3324.1	3425.4	3554.7	3702.5	3832.1	3989.8	4136.2	4327.3	4593.0
70°	2129.3	2347.3	2516.7	2622.5	2773.4	2925.7	3050.8	3234.3	3355.5	3551.3	3826.0
72.5°	1348.3	1520.2	1727.8	1861.1	1995.2	2149.5	2277.4	2435.6	2548.7	2727.1	2975.9
75°	724.9	851.7	1034.1	1160.6	1304.2	1436.1	1585.9	1691.9	1775.5	1916.6	2118.6
77.5°	339.7	416.9	509.2	606.5	703.9	805.4	904.2	990.0	1025.9	1106.7	1225.9
80°	206.2	231.2	258.1	288.1	328.8	361.6	405.1	436.5	438.8	464.3	500.8
82.5°	137.7	147.0	155.1	162.7	173.1	181.2	190.5	201.4	205.9	211.8	223.6
85°	94.0	98.5	100.2	104.9	103.8	106.6	110.3	113.9	115.9	115.6	120.9
87.5°	57.8	60.0	61.2	62.3	61.4	60.3	62.0	64.0	64.5	62.8	63.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200665

CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

CANDELA DISTRIBUTION (continued):

	71°	72°	73°	74°	75°	85°	90°	95°	105°	115°	125°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	514.2	511.7	509.2	507.5	506.9	492.1	485.6	481.4	472.4	465.1	459.2
5°	567.2	561.9	557.7	552.7	549.9	512.3	498.5	489.0	473.3	464.0	455.6
7.5°	652.5	637.7	629.0	619.1	610.7	542.8	520.1	505.2	483.4	471.0	461.5
10°	749.3	733.9	720.1	705.0	691.8	583.5	550.4	527.4	498.5	482.5	469.9
12.5°	857.3	842.2	824.8	805.4	788.6	635.1	589.1	556.3	516.7	495.4	477.8
15°	985.0	958.3	937.3	914.8	895.2	696.9	634.3	588.8	536.1	507.2	483.6
17.5°	1103.6	1075.6	1047.0	1027.3	1004.6	766.1	679.7	622.0	552.1	514.8	484.8
20°	1219.5	1188.9	1164.2	1137.9	1114.0	838.0	728.3	651.1	562.5	515.1	477.8
22.5°	1321.6	1302.5	1275.0	1246.4	1222.3	909.8	773.7	675.8	566.4	508.6	465.4
25°	1437.8	1417.6	1383.9	1359.8	1332.8	983.0	818.3	694.9	564.2	496.6	446.3
27.5°	1561.7	1539.3	1504.8	1479.6	1447.0	1059.0	859.3	708.6	555.7	476.9	420.8
30°	1691.1	1670.6	1636.7	1611.1	1578.3	1139.5	905.0	717.9	538.9	449.7	391.1
32.5°	1829.9	1812.8	1779.2	1752.5	1717.4	1226.8	947.7	720.7	513.4	417.4	359.6
35°	1961.8	1950.0	1921.7	1896.7	1860.2	1309.3	992.8	719.3	483.1	382.1	331.0
37.5°	2110.2	2103.2	2089.2	2057.5	2012.9	1421.2	1047.0	713.4	446.1	347.0	309.2
40°	2268.4	2269.0	2253.8	2232.2	2190.7	1557.0	1111.5	701.9	405.7	316.2	289.2
42.5°	2435.9	2444.6	2437.3	2421.9	2382.0	1693.9	1188.6	687.9	366.4	286.1	269.6
45°	2627.8	2638.5	2649.7	2626.9	2588.2	1874.5	1290.2	669.6	324.0	261.2	256.1
47.5°	2849.1	2866.0	2876.1	2876.3	2837.6	2098.4	1455.1	658.7	286.4	244.3	249.7
50°	3316.2	3321.6	3345.4	3386.9	3357.2	2616.6	1743.3	652.0	260.9	234.0	244.9
52.5°	3989.2	4047.9	4089.1	4086.3	4045.9	2945.6	1902.0	617.2	245.8	230.0	242.7
55°	4263.3	4336.5	4412.8	4433.0	4401.6	3226.5	2052.1	582.4	238.5	232.8	243.5
57.5°	4628.6	4752.0	4856.7	4900.7	4855.3	3585.8	2249.6	564.2	236.2	240.4	248.8
60°	5055.3	5207.9	5345.4	5424.5	5424.5	3998.8	2454.4	556.6	233.1	251.6	257.8
62.5°	5329.4	5553.5	5761.1	5877.0	5873.6	4286.3	2545.3	530.8	226.1	259.5	270.2
65°	5330.5	5597.0	5861.5	5991.7	5998.4	4251.0	2395.2	468.8	213.2	260.6	282.5
67.5°	4886.1	5170.3	5478.6	5624.2	5657.9	3913.2	2073.4	385.5	192.2	249.4	287.0
70°	4126.7	4404.2	4718.9	4862.0	4921.7	3335.9	1670.0	297.1	165.2	224.7	277.7
72.5°	3251.1	3523.3	3742.4	3847.0	3893.6	2549.8	1216.1	224.4	135.5	189.4	252.8
75°	2301.8	2506.0	2622.5	2645.7	2653.0	1537.1	738.9	166.9	111.7	147.3	213.5
77.5°	1299.2	1386.7	1377.2	1387.5	1301.1	593.3	321.8	119.5	92.0	111.9	165.5
80°	507.2	522.9	491.2	481.4	441.6	220.8	142.0	83.3	73.5	84.7	115.9
82.5°	223.6	230.9	224.1	225.8	216.0	113.9	85.0	60.3	56.1	62.0	76.9
85°	123.2	125.4	124.8	128.5	123.2	45.4	40.4	37.0	39.3	42.1	49.4
87.5°	60.0	60.6	58.6	61.7	59.8	23.0	19.9	21.0	23.0	23.6	23.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200665

CATALOG NUMBER: GPC-AF-01-LED-E1-T2R-8030-1200

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	455.0	452.8	453.1	452.5	451.4	451.4
5°	451.1	448.9	448.9	448.3	446.9	447.2
7.5°	455.0	451.4	450.0	448.0	446.1	446.1
10°	459.5	453.1	449.1	445.8	443.2	443.2
12.5°	462.9	452.8	446.3	441.8	439.3	439.3
15°	464.0	450.8	441.8	436.5	434.3	434.0
17.5°	460.4	443.2	432.3	426.1	423.3	422.5
20°	449.1	429.5	416.3	409.3	405.4	404.0
22.5°	432.3	409.9	394.4	387.1	382.1	381.2
25°	408.7	384.6	369.5	362.5	359.6	358.8
27.5°	381.2	358.8	345.9	341.4	338.9	338.6
30°	355.2	336.1	326.5	323.2	320.1	319.5
32.5°	330.8	318.7	315.0	310.3	303.0	302.1
35°	313.4	312.2	309.7	299.1	290.1	287.6
37.5°	302.7	313.1	300.2	279.1	272.7	272.1
40°	296.5	304.4	282.2	274.9	275.5	274.9
42.5°	282.5	290.6	282.8	279.4	281.7	282.2
45°	268.5	277.5	287.0	284.7	290.1	290.1
47.5°	260.6	274.1	286.7	286.7	294.6	297.4
50°	251.6	271.3	282.2	286.1	292.3	290.1
52.5°	251.1	266.5	275.8	282.8	285.6	283.1
55°	251.9	262.6	269.3	277.2	280.5	280.8
57.5°	253.0	260.3	264.8	268.5	278.6	278.6
60°	255.8	258.4	260.9	262.9	276.0	276.3
62.5°	260.3	256.4	255.8	257.8	274.6	273.5
65°	267.4	253.6	249.4	251.4	273.2	269.9
67.5°	276.9	249.4	241.3	242.7	272.1	264.8
70°	285.6	242.7	231.2	229.8	261.5	248.6
72.5°	286.4	234.8	217.1	212.9	227.2	214.9
75°	272.4	229.5	201.7	189.4	187.7	186.0
77.5°	245.5	226.4	183.8	164.4	161.0	162.2
80°	205.4	214.9	162.2	139.1	157.4	155.4
82.5°	153.5	189.6	137.7	123.2	122.9	108.6
85°	85.3	147.8	112.2	92.3	64.2	62.3
87.5°	23.8	82.2	78.6	52.2	35.6	37.0
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)