

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: P200660

Luminaire Tested: **GPC-AF-02-LED-E1-T2R-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200660
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-02-LED-E1-T2R-8030-600
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6958 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

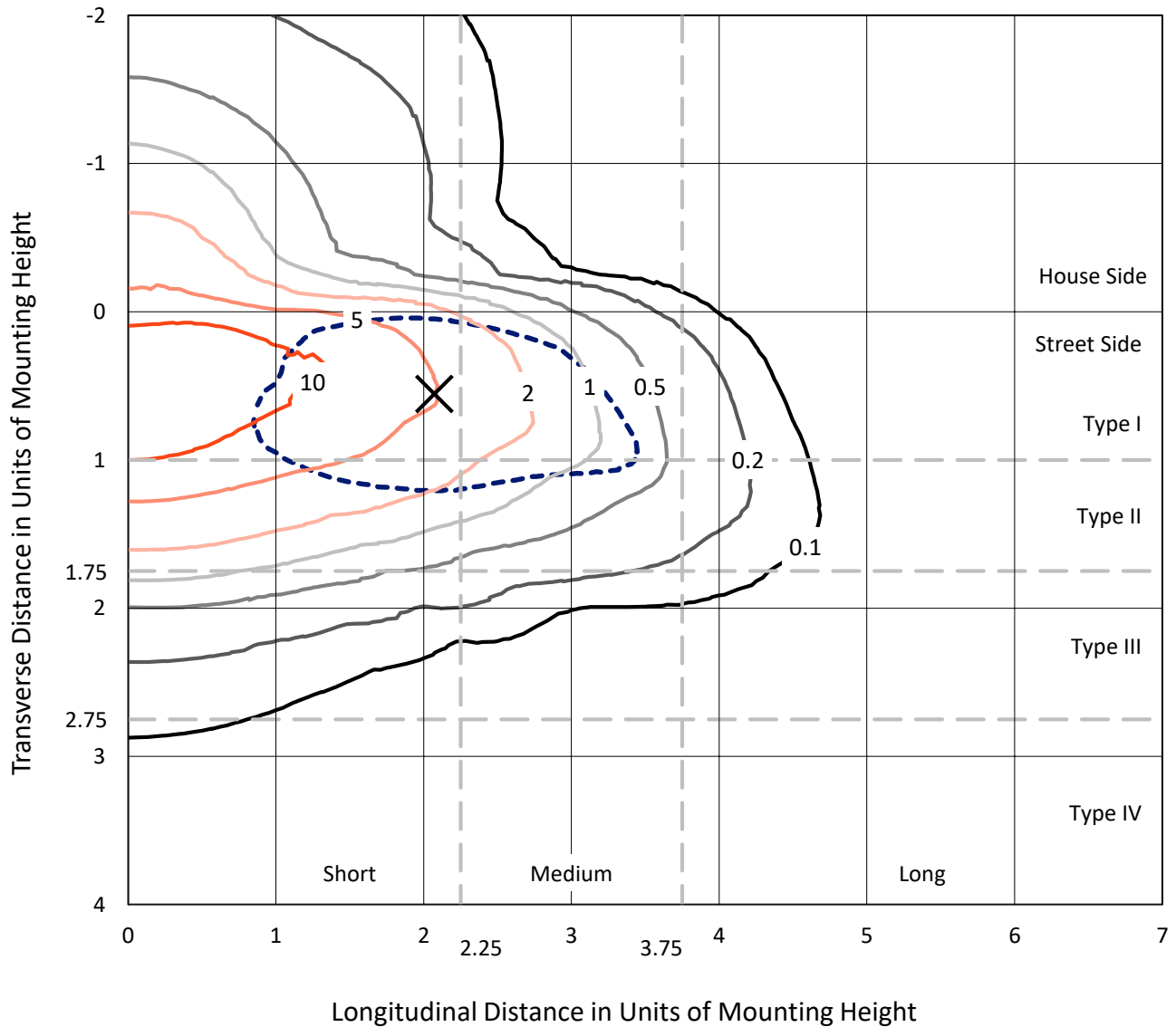
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200660
 CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

Iso-Footcandle Lines of Horizontal Illumination

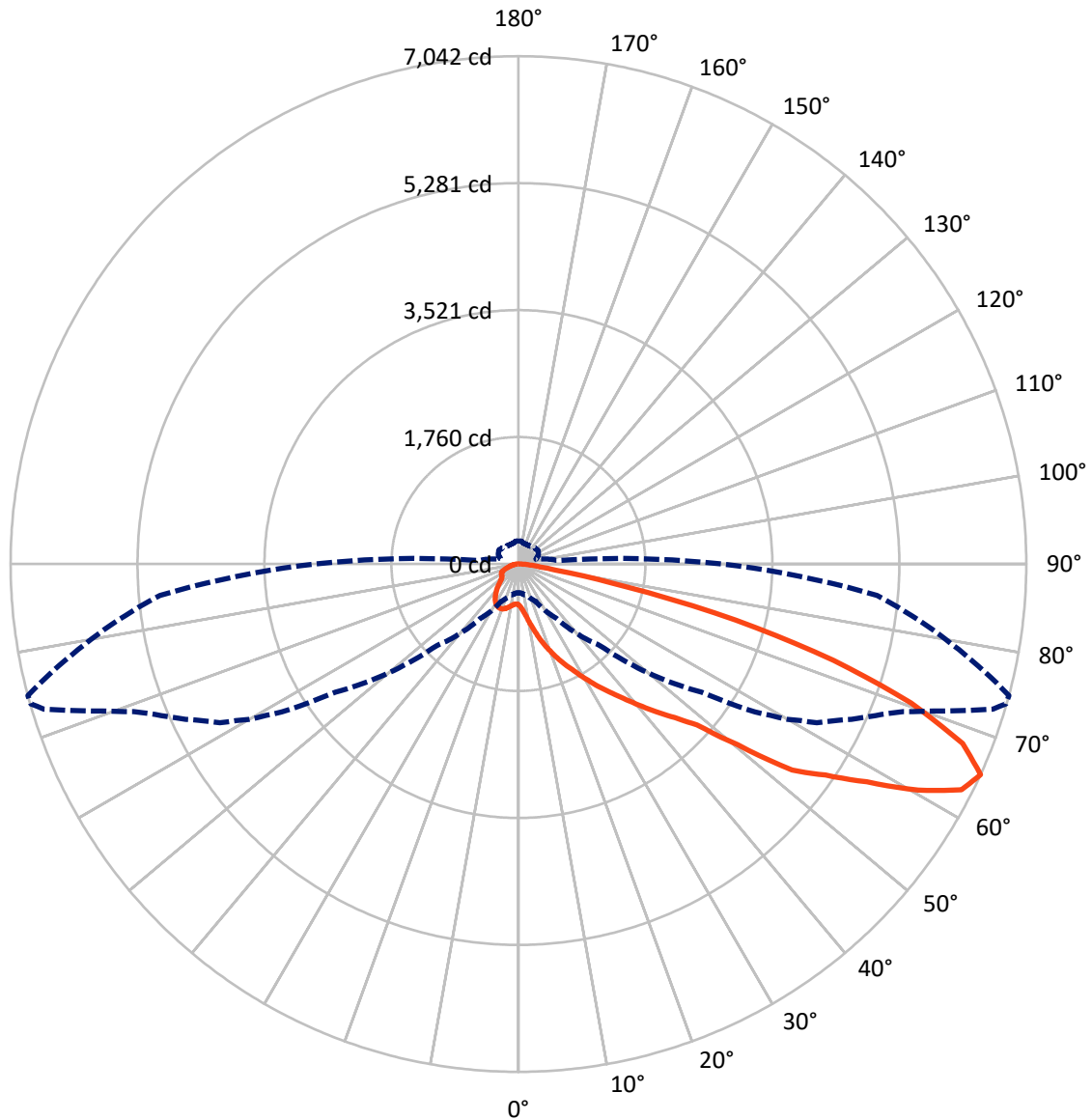
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P200660
CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

Luminous Intensity Polar Plot



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

REPORT NUMBER: P200660

CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1072.8	0.0	1072.8
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	5885.2	0.0	5885.2
	% Fixture	84.6	0.0	84.6
Total	Lumens	6958.0	0.0	6958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	1.0
10°-20°	273.1	3.9
20°-30°	560.3	8.1
30°-40°	942.7	13.5
40°-50°	1302.5	18.7
50°-60°	1625.9	23.4
60°-70°	1463.1	21.0
70°-80°	613.3	8.8
80°-90°	107.2	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°	6958.0	100.0
0°-180°	6958.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200660

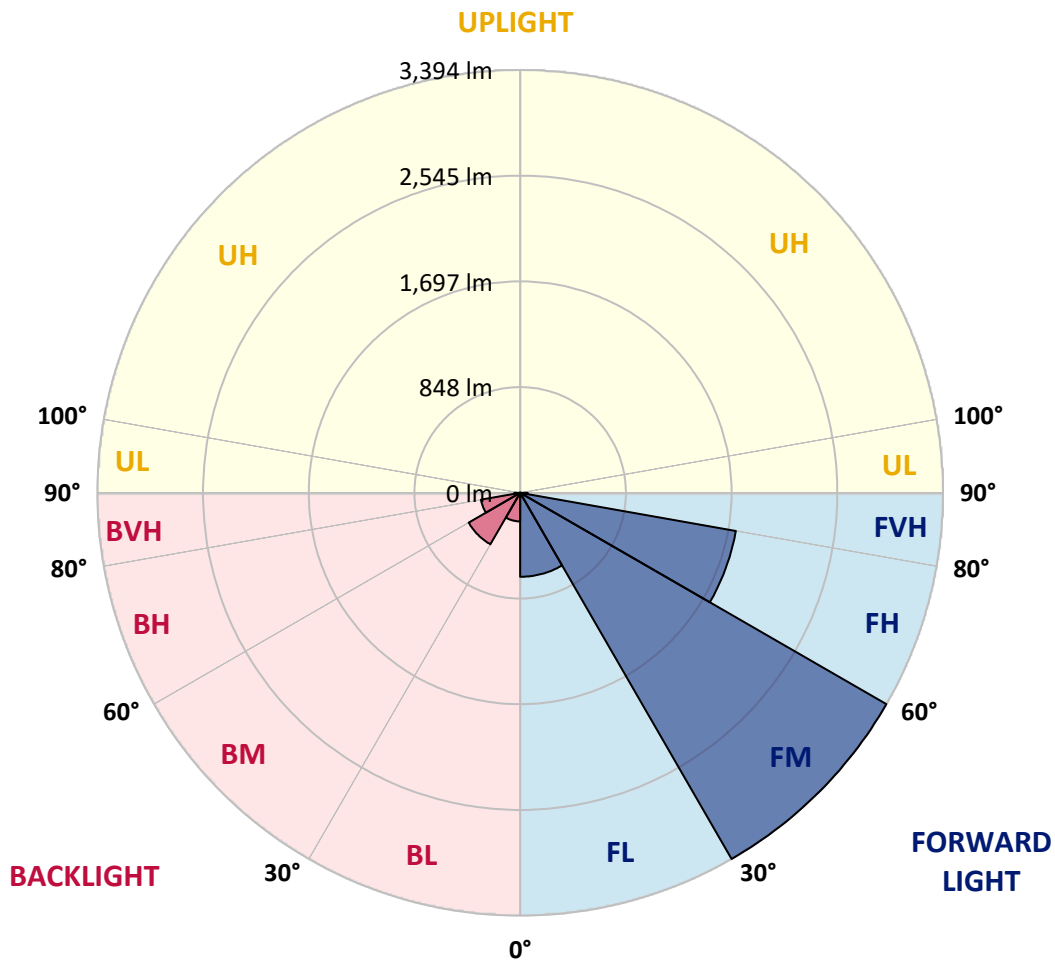
CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.9	9.7			
FM (30°-60°)	3393.6	48.8			
FH (60°-80°)	1757.6	25.3			G1/1800
FVH (80°-90°)	60.2	0.9			G1/100
BL (0°-30°)	229.4	3.3	B1/500		
BM (30°-60°)	477.5	6.9	B1/1000		
BH (60°-80°)	318.9	4.6	B1/500		G1/500
BVH (80°-90°)	46.9	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: P200660

CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5
2.5°	718.0	710.0	712.0	698.9	682.7	661.6	638.3	637.9	638.3	635.9	627.4
5°	995.6	986.0	982.4	952.8	909.3	847.4	780.2	773.0	770.0	762.4	745.0
7.5°	1198.1	1192.9	1187.3	1164.9	1125.3	1056.2	965.9	950.5	935.6	932.0	912.3
10°	1328.9	1327.6	1315.7	1309.8	1285.1	1225.1	1137.2	1122.4	1106.2	1100.6	1079.9
12.5°	1432.3	1432.0	1426.4	1428.0	1406.6	1363.1	1287.4	1273.9	1262.0	1244.9	1230.1
15°	1503.7	1504.1	1512.3	1521.5	1518.2	1488.9	1417.8	1411.9	1401.7	1389.8	1372.3
17.5°	1562.4	1564.0	1572.6	1589.4	1607.5	1605.2	1548.9	1543.9	1535.0	1518.9	1509.7
20°	1694.8	1701.0	1684.6	1684.6	1686.5	1695.4	1668.4	1664.5	1652.0	1643.4	1636.1
22.5°	1918.4	1925.6	1888.4	1850.5	1813.3	1786.3	1759.3	1764.3	1755.7	1749.8	1745.5
25°	2208.9	2214.5	2154.2	2090.3	2014.6	1915.7	1848.9	1845.9	1841.3	1837.7	1835.7
27.5°	2482.2	2484.5	2427.5	2334.0	2246.1	2104.1	1939.8	1936.2	1930.6	1923.7	1917.7
30°	2716.0	2715.4	2656.8	2567.5	2473.3	2316.2	2077.8	2066.6	2050.1	2031.3	2016.9
32.5°	2918.6	2917.6	2853.4	2760.8	2662.0	2526.3	2266.8	2243.8	2218.1	2181.5	2159.5
35°	3078.0	3077.3	3016.7	2920.2	2806.9	2724.3	2483.5	2455.2	2422.6	2373.5	2339.6
37.5°	3138.2	3138.2	3104.3	3038.5	2938.3	2881.7	2724.3	2690.0	2655.1	2599.5	2561.2
40°	3103.0	3103.7	3110.9	3098.7	3050.0	3006.5	2948.9	2928.5	2898.5	2848.4	2808.6
42.5°	2984.8	2988.4	3036.5	3095.4	3119.8	3112.9	3148.1	3138.9	3117.8	3079.3	3047.7
45°	2834.9	2846.1	2898.8	3010.1	3139.2	3204.8	3315.1	3316.1	3312.1	3291.4	3267.0
47.5°	2629.1	2644.9	2714.4	2864.9	3093.8	3294.0	3484.7	3493.6	3501.8	3488.3	3477.1
50°	2355.7	2374.5	2478.6	2678.2	3001.2	3386.6	3805.2	3845.3	3882.9	3878.3	3885.8
52.5°	2063.0	2085.0	2212.5	2434.8	2842.2	3408.0	4010.0	4075.5	4141.1	4194.8	4251.7
55°	1798.8	1787.0	1914.4	2148.6	2580.7	3311.5	4194.1	4273.1	4346.3	4412.1	4480.0
57.5°	1440.8	1460.3	1588.1	1819.6	2234.5	3039.1	4320.9	4436.5	4541.5	4650.6	4746.7
60°	1053.2	1072.6	1211.3	1446.4	1858.8	2626.1	4224.1	4399.3	4567.6	4734.5	4865.0
62.5°	635.9	650.4	772.6	996.6	1433.3	2136.4	3792.6	4022.5	4270.2	4469.8	4669.7
65°	395.9	404.1	449.2	572.4	920.5	1595.0	3098.7	3349.4	3616.1	3869.4	4077.2
67.5°	324.1	327.0	335.3	361.6	505.5	1040.0	2306.3	2528.3	2769.1	3014.1	3245.3
70°	291.5	289.5	289.5	291.1	324.1	559.2	1510.0	1654.6	1855.2	2068.2	2279.7
72.5°	263.1	261.2	257.5	252.6	264.5	341.2	780.5	889.5	1034.1	1223.5	1426.0
75°	236.5	233.8	229.5	223.3	231.5	257.5	374.8	420.6	491.0	591.8	704.8
77.5°	208.8	205.5	201.6	196.9	207.5	200.2	219.7	236.1	263.1	295.4	337.9
80°	177.5	174.5	173.2	170.9	183.4	152.5	155.1	165.3	181.1	198.6	218.4
82.5°	139.0	139.0	144.2	145.2	159.1	109.7	115.9	124.8	133.1	142.3	151.5
85°	91.6	92.2	110.0	116.9	125.5	73.8	86.9	89.9	96.5	101.8	105.7
87.5°	28.7	31.0	67.2	74.4	72.1	41.8	53.4	54.7	59.3	62.9	66.2
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: P200660

CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5
2.5°	627.4	623.4	619.8	619.5	616.8	613.2	614.5	608.9	609.3	606.3	603.0
5°	737.7	735.1	721.9	718.3	708.4	702.1	701.2	688.0	686.3	678.8	670.5
7.5°	896.5	887.9	869.4	860.6	843.8	831.2	825.3	807.9	799.3	779.5	770.6
10°	1062.8	1051.9	1029.2	1016.7	1000.5	980.4	969.6	944.2	934.3	916.2	894.5
12.5°	1216.9	1206.0	1182.6	1173.1	1151.7	1130.3	1118.4	1089.8	1076.9	1047.9	1030.8
15°	1359.5	1348.6	1328.2	1318.3	1296.9	1279.5	1263.7	1235.3	1220.2	1193.2	1170.8
17.5°	1497.8	1486.3	1468.5	1459.6	1438.9	1421.1	1404.0	1377.3	1361.8	1334.8	1314.7
20°	1626.3	1617.7	1604.9	1593.0	1572.3	1556.1	1535.7	1512.6	1490.2	1470.5	1451.4
22.5°	1738.2	1734.9	1721.1	1715.8	1698.1	1684.2	1666.4	1643.7	1627.6	1602.6	1584.8
25°	1834.7	1833.7	1827.2	1825.5	1813.0	1799.8	1795.9	1777.1	1762.3	1740.2	1721.8
27.5°	1917.7	1918.7	1917.1	1921.7	1918.4	1912.5	1912.8	1906.5	1898.0	1879.5	1863.4
30°	2009.9	2004.7	2007.6	2014.2	2016.2	2016.9	2027.7	2031.3	2030.7	2018.5	2010.6
32.5°	2140.4	2127.8	2116.3	2115.3	2121.9	2124.5	2143.0	2152.5	2160.8	2163.7	2165.1
35°	2306.7	2281.6	2257.6	2244.8	2233.6	2236.5	2249.7	2265.2	2283.3	2295.8	2310.6
37.5°	2516.1	2485.5	2443.0	2412.7	2405.1	2388.7	2397.2	2409.4	2427.2	2446.6	2472.3
40°	2770.0	2723.6	2675.9	2635.7	2613.9	2583.6	2583.3	2581.0	2591.9	2610.0	2646.2
42.5°	3014.4	2973.2	2922.5	2880.4	2852.1	2811.5	2803.3	2781.9	2786.8	2802.7	2837.9
45°	3243.3	3209.4	3178.4	3129.7	3105.6	3061.8	3048.0	3022.6	3008.5	3015.7	3051.0
47.5°	3464.9	3443.2	3410.9	3379.3	3360.9	3321.7	3303.9	3285.8	3267.7	3267.0	3303.9
50°	3897.0	3885.5	3847.3	3814.4	3823.3	3775.2	3778.1	3729.4	3751.5	3754.1	3831.5
52.5°	4303.1	4343.3	4371.6	4406.2	4428.6	4432.9	4447.7	4469.8	4496.4	4549.1	4620.9
55°	4535.6	4586.0	4615.3	4641.7	4685.1	4694.4	4719.1	4748.4	4771.8	4831.0	4892.0
57.5°	4811.9	4905.5	4950.9	4992.7	5051.4	5073.8	5114.9	5146.9	5177.2	5247.3	5321.1
60°	4982.2	5096.2	5188.7	5254.9	5328.3	5381.0	5443.3	5493.3	5564.5	5648.4	5758.4
62.5°	4846.8	5014.1	5137.0	5250.6	5350.4	5451.2	5540.4	5634.0	5742.0	5869.1	6039.7
65°	4307.7	4478.0	4688.4	4806.3	4938.4	5093.8	5229.5	5381.0	5528.2	5713.3	5965.6
67.5°	3467.9	3665.8	3902.3	4021.2	4173.0	4346.6	4498.7	4683.8	4855.7	5080.0	5391.9
70°	2499.7	2755.6	2954.5	3078.6	3255.8	3434.6	3581.5	3796.9	3939.2	4169.1	4491.5
72.5°	1582.8	1784.7	2028.4	2184.8	2342.2	2523.4	2673.6	2859.3	2992.0	3201.5	3493.6
75°	851.0	999.9	1213.9	1362.5	1531.1	1685.9	1861.7	1986.2	2084.4	2250.0	2487.1
77.5°	398.8	489.4	597.7	712.0	826.3	945.5	1061.5	1162.2	1204.4	1299.2	1439.2
80°	242.1	271.4	303.0	338.2	386.0	424.5	475.6	512.4	515.1	545.1	587.9
82.5°	161.7	172.6	182.1	191.0	203.2	212.8	223.6	236.5	241.7	248.6	262.5
85°	110.3	115.6	117.6	123.2	121.9	125.1	129.4	133.7	136.0	135.7	141.9
87.5°	67.8	70.5	71.8	73.1	72.1	70.8	72.8	75.1	75.7	73.8	74.4
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: P200660

CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

CANDELA DISTRIBUTION (continued):

	71°	72°	73°	74°	75°	85°	90°	95°	105°	115°	125°
0°	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5
2.5°	603.7	600.7	597.7	595.8	595.1	577.7	570.1	565.1	554.6	546.0	539.1
5°	665.9	659.7	654.7	648.8	645.5	601.4	585.2	574.0	555.6	544.7	534.8
7.5°	766.0	748.6	738.4	726.8	717.0	637.3	610.6	593.1	567.4	553.0	541.8
10°	879.7	861.5	845.4	827.6	812.1	685.0	646.2	619.2	585.2	566.5	551.6
12.5°	1006.5	988.7	968.2	945.5	925.8	745.6	691.6	653.1	606.6	581.6	560.9
15°	1156.3	1125.0	1100.3	1074.0	1050.9	818.1	744.6	691.3	629.4	595.4	567.8
17.5°	1295.6	1262.7	1229.1	1206.0	1179.4	899.4	798.0	730.1	648.1	604.3	569.1
20°	1431.6	1395.7	1366.7	1335.8	1307.8	983.7	855.0	764.4	660.3	604.7	560.9
22.5°	1551.5	1529.1	1496.8	1463.2	1434.9	1068.0	908.3	793.4	664.9	597.1	546.4
25°	1687.8	1664.1	1624.6	1596.3	1564.7	1154.0	960.7	815.8	662.3	582.9	524.0
27.5°	1833.4	1807.1	1766.6	1736.9	1698.7	1243.2	1008.8	831.9	652.4	559.9	494.0
30°	1985.2	1961.2	1921.3	1891.4	1852.8	1337.8	1062.4	842.8	632.7	527.9	459.1
32.5°	2148.3	2128.2	2088.7	2057.4	2016.2	1440.2	1112.5	846.1	602.7	490.1	422.2
35°	2303.0	2289.2	2256.0	2226.6	2183.8	1537.0	1165.5	844.4	567.1	448.6	388.6
37.5°	2477.3	2469.0	2452.6	2415.4	2363.0	1668.4	1229.1	837.5	523.6	407.4	362.9
40°	2663.0	2663.7	2645.9	2620.5	2571.8	1827.8	1304.8	824.0	476.2	371.2	339.5
42.5°	2859.6	2869.8	2861.3	2843.2	2796.4	1988.5	1395.4	807.5	430.1	335.9	316.5
45°	3084.9	3097.4	3110.6	3083.9	3038.5	2200.6	1514.6	786.1	380.4	306.6	300.7
47.5°	3344.7	3364.5	3376.4	3376.7	3331.2	2463.4	1708.3	773.3	336.3	286.9	293.1
50°	3893.1	3899.3	3927.3	3976.1	3941.2	3071.7	2046.5	765.4	306.3	274.7	287.5
52.5°	4683.2	4752.0	4800.4	4797.1	4749.7	3458.0	2232.9	724.5	288.5	270.1	284.9
55°	5004.9	5090.9	5180.5	5204.2	5167.3	3787.7	2409.1	683.7	279.9	273.3	285.9
57.5°	5433.7	5578.6	5701.5	5753.2	5699.8	4209.6	2640.9	662.3	277.3	282.2	292.1
60°	5934.6	6113.8	6275.2	6368.0	6368.0	4694.4	2881.4	653.4	273.7	295.4	302.7
62.5°	6256.4	6519.5	6763.3	6899.3	6895.3	5031.9	2988.1	623.1	265.4	304.6	317.2
65°	6257.7	6570.6	6881.2	7034.0	7041.9	4990.4	2811.9	550.3	250.3	306.0	331.6
67.5°	5736.1	6069.7	6431.6	6602.5	6642.1	4593.9	2434.1	452.5	225.6	292.8	336.9
70°	4844.5	5170.3	5539.8	5707.7	5777.9	3916.1	1960.5	348.8	194.0	263.8	326.0
72.5°	3816.7	4136.1	4393.3	4516.2	4570.9	2993.3	1427.7	263.5	159.1	222.3	296.7
75°	2702.2	2942.0	3078.6	3106.0	3114.5	1804.4	867.5	196.0	131.1	172.9	250.6
77.5°	1525.2	1627.9	1616.7	1628.9	1527.5	696.5	377.7	140.3	108.0	131.4	194.3
80°	595.4	613.9	576.7	565.1	518.4	259.2	166.6	97.8	86.3	99.5	136.0
82.5°	262.5	271.0	263.1	265.1	253.6	133.7	99.8	70.8	65.9	72.8	90.2
85°	144.6	147.2	146.6	150.8	144.6	53.4	47.4	43.5	46.1	49.4	58.0
87.5°	70.5	71.1	68.8	72.5	70.1	27.0	23.4	24.7	27.0	27.7	27.7
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: P200660

CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-8030-600

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	565.5	565.5	565.5	565.5	565.5	565.5
2.5°	534.2	531.5	531.9	531.2	529.9	529.9
5°	529.6	526.9	526.9	526.3	524.6	525.0
7.5°	534.2	529.9	528.3	526.0	523.6	523.6
10°	539.5	531.9	527.3	523.3	520.4	520.4
12.5°	543.4	531.5	524.0	518.7	515.7	515.7
15°	544.7	529.2	518.7	512.4	509.8	509.5
17.5°	540.4	520.4	507.5	500.3	497.0	496.0
20°	527.3	504.2	488.7	480.5	475.9	474.2
22.5°	507.5	481.2	463.0	454.5	448.6	447.6
25°	479.8	451.5	433.7	425.5	422.2	421.2
27.5°	447.6	421.2	406.1	400.8	397.8	397.5
30°	416.9	394.5	383.3	379.4	375.8	375.1
32.5°	388.3	374.1	369.8	364.2	355.7	354.7
35°	367.9	366.6	363.6	351.1	340.5	337.6
37.5°	355.4	367.5	352.4	327.7	320.1	319.5
40°	348.1	357.3	331.3	322.7	323.4	322.7
42.5°	331.6	341.2	332.0	328.0	330.7	331.3
45°	315.2	325.7	336.9	334.3	340.5	340.5
47.5°	306.0	321.8	336.6	336.6	345.8	349.1
50°	295.4	318.5	331.3	335.9	343.2	340.5
52.5°	294.8	312.9	323.7	332.0	335.3	332.3
55°	295.7	308.3	316.2	325.4	329.3	329.7
57.5°	297.1	305.6	310.9	315.2	327.0	327.0
60°	300.4	303.3	306.3	308.6	324.1	324.4
62.5°	305.6	301.0	300.4	302.7	322.4	321.1
65°	313.9	297.7	292.8	295.1	320.8	316.8
67.5°	325.1	292.8	283.2	284.9	319.5	310.9
70°	335.3	284.9	271.4	269.7	306.9	291.8
72.5°	336.3	275.7	254.9	250.0	266.8	252.3
75°	319.8	269.4	236.8	222.3	220.3	218.4
77.5°	288.2	265.8	215.7	193.0	189.0	190.4
80°	241.1	252.3	190.4	163.4	184.8	182.5
82.5°	180.1	222.6	161.7	144.6	144.2	127.5
85°	100.1	173.6	131.7	108.4	75.4	73.1
87.5°	28.0	96.5	92.2	61.3	41.8	43.5
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)