

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: P200002

Luminaire Tested: **GPC-AF-02-LED-E1-SLL-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
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-SLL-7030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11582.6 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 129
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

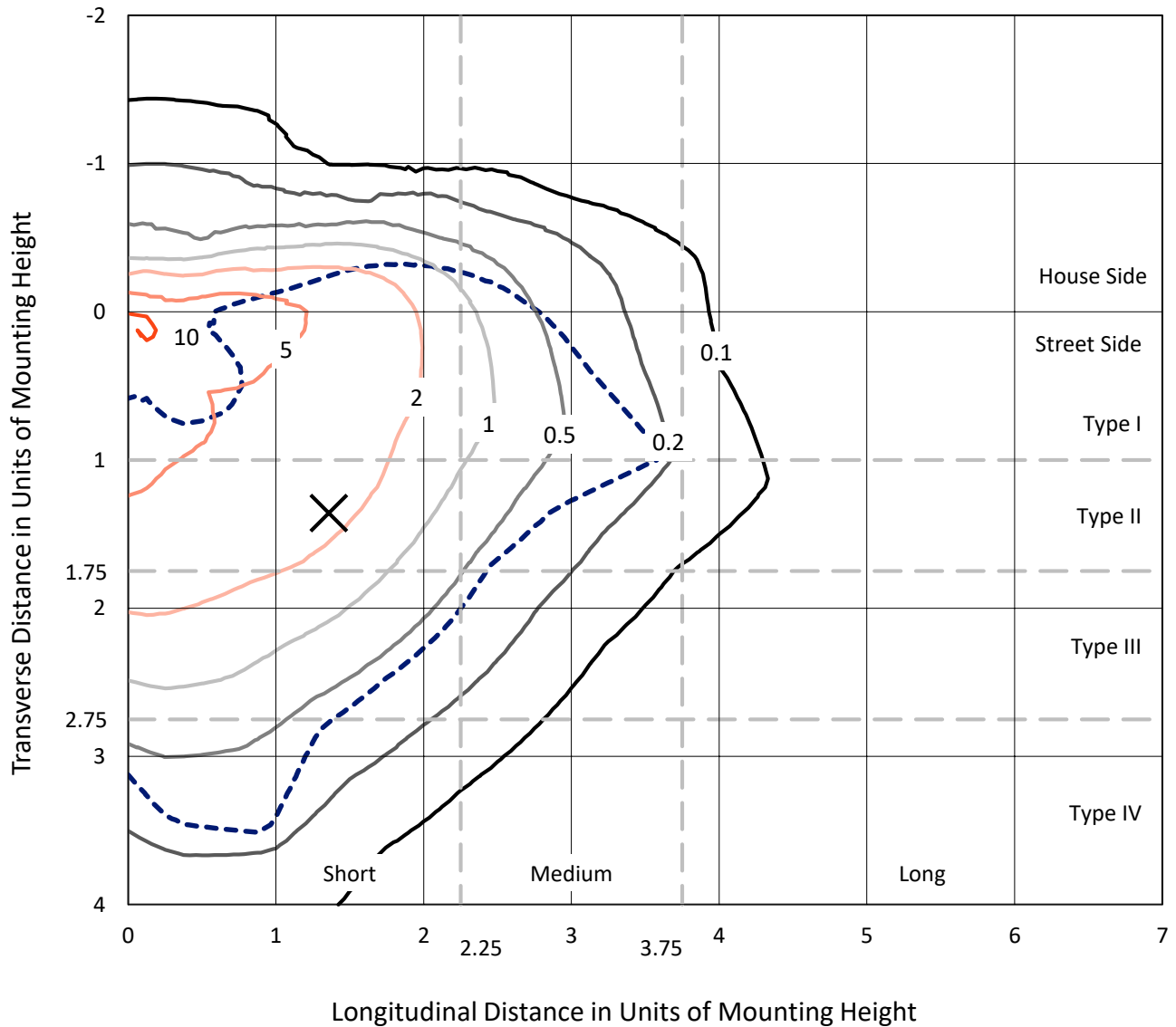


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Iso-Footcandle Lines of Horizontal Illumination

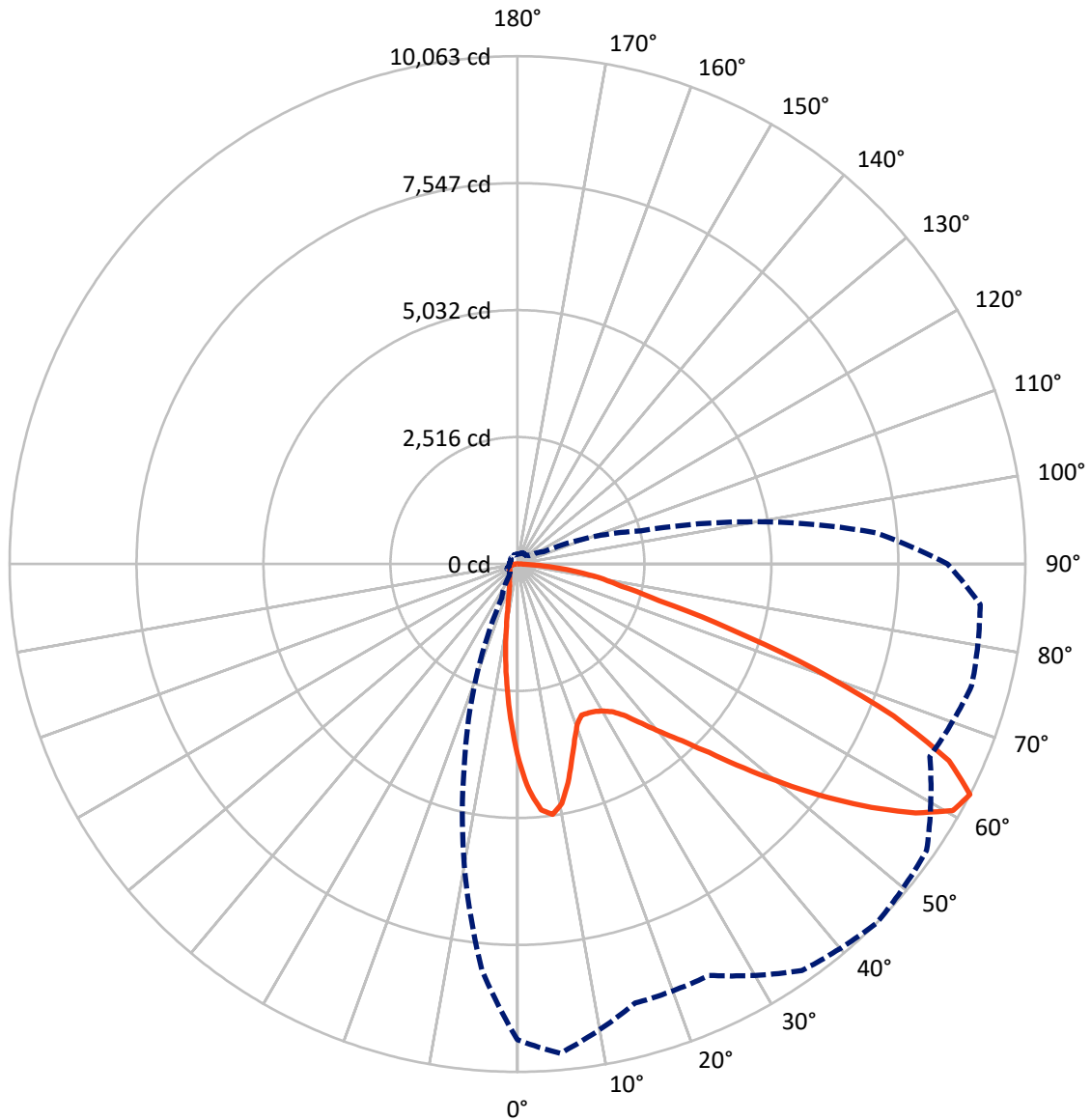
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.7	0.0	1916.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	9665.8	0.0	9665.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	11582.6	0.0	11582.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.9	2.5
10°-20°	522.4	4.5
20°-30°	761.6	6.6
30°-40°	1173.0	10.1
40°-50°	1726.3	14.9
50°-60°	2532.1	21.9
60°-70°	2830.6	24.4
70°-80°	1385.8	12.0
80°-90°	365.9	3.2
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°	11582.6	100.0
0°-180°	11582.6	100.0

Coefficient of Utilization



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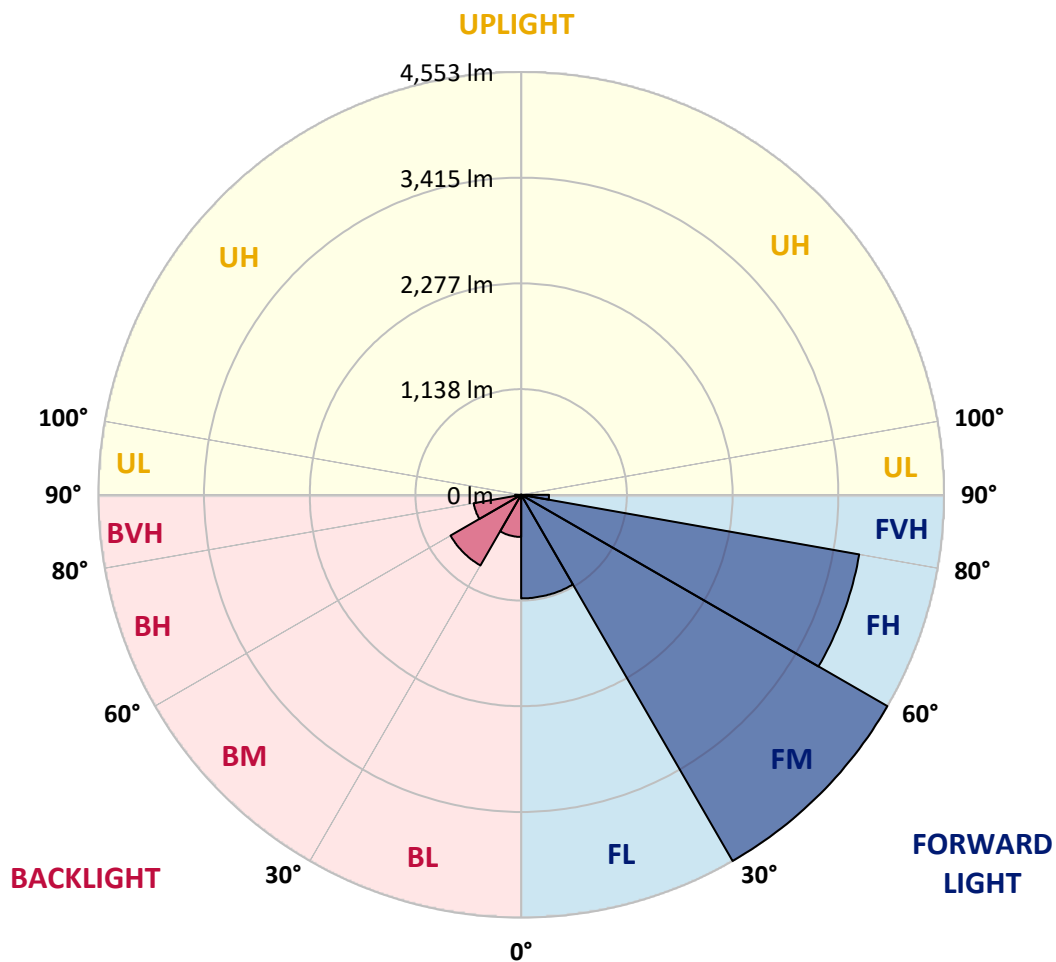
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1115.4	9.6			
FM (30°-60°)	4553.2	39.3			
FH (60°-80°)	3696.8	31.9			G2/5000
FVH (80°-90°)	300.5	2.6			G3/500
BL (0°-30°)	453.5	3.9	B1/500		
BM (30°-60°)	878.2	7.6	B1/1000		
BH (60°-80°)	519.6	4.5	B2/1000		G2/1000
BVH (80°-90°)	65.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	4066.0	4131.0	4257.8	4352.6	4467.8	4494.5	4531.4	4495.2	4430.9	4345.6	4317.5
5°	3823.4	3962.3	4269.8	4540.4	4781.0	4893.0	4924.4	4832.0	4645.4	4400.3	4250.6
7.5°	3434.4	3631.8	4048.2	4446.8	4801.4	5010.9	5005.8	4791.2	4448.1	4048.8	3808.8
10°	3098.9	3324.2	3801.7	4247.5	4623.8	4826.8	4748.6	4474.1	4064.8	3605.0	3344.7
12.5°	2911.0	3132.0	3616.5	4064.1	4378.7	4448.7	4388.8	4120.1	3734.3	3269.5	3041.6
15°	2878.6	3121.1	3542.6	3906.9	4083.2	4022.1	3950.9	3830.4	3557.9	3161.3	2923.8
17.5°	3019.3	3286.7	3627.3	3797.3	3767.4	3661.1	3640.7	3654.0	3588.5	3281.6	3007.8
20°	3289.2	3610.2	3829.2	3745.7	3527.3	3380.9	3386.1	3590.4	3784.6	3586.6	3274.0
22.5°	3668.1	4034.2	4120.1	3773.2	3426.2	3252.3	3294.3	3625.4	4097.2	4032.3	3633.1
25°	4158.3	4491.9	4430.3	3872.4	3436.3	3268.3	3302.0	3746.4	4466.5	4478.0	4077.4
27.5°	4633.3	4942.8	4690.6	4004.3	3478.4	3305.7	3350.3	3936.8	4819.2	4961.9	4585.6
30°	5003.8	5219.1	4793.8	4124.6	3561.1	3379.1	3434.4	4117.7	4979.7	5288.4	4976.5
32.5°	5310.8	5465.4	4958.0	4273.5	3713.2	3494.2	3591.7	4337.3	5210.8	5599.2	5359.1
35°	5703.0	5746.9	5162.4	4439.8	3948.2	3694.8	3815.8	4552.5	5431.2	5913.1	5736.1
37.5°	6162.7	6106.1	5355.4	4667.1	4252.0	4008.7	4108.7	4788.8	5612.6	6269.1	6121.4
40°	6617.3	6481.0	5597.4	5019.8	4695.1	4378.7	4497.1	5040.7	5782.0	6625.6	6497.6
42.5°	7003.8	6801.9	5836.1	5407.6	5107.7	4786.7	4928.1	5294.9	5943.7	6930.0	6824.3
45°	7289.7	7038.8	6063.4	5780.1	5676.2	5329.2	5396.1	5585.9	6118.7	7184.1	7092.9
47.5°	7545.0	7277.0	6320.6	6155.6	6173.5	6034.7	5927.1	5924.6	6325.1	7391.6	7347.0
50°	7886.9	7607.4	6597.0	6542.9	6919.7	6827.4	6590.0	6320.0	6586.1	7627.2	7622.0
52.5°	8358.2	8130.7	6934.3	6960.0	7616.4	7676.8	7382.6	6795.0	6994.9	8059.5	8028.9
55°	8915.2	8782.8	7394.1	7439.4	8470.8	8514.0	8221.9	7388.9	7595.9	8685.3	8600.7
57.5°	9350.1	9322.1	7898.4	8014.9	9108.7	9303.7	9034.8	8076.7	8273.4	9212.5	8999.9
60°	9523.2	9658.8	8435.2	8595.5	9699.0	9914.8	9679.3	8680.8	8873.8	9430.9	8972.5
62.5°	9429.6	9732.7	9006.9	8993.5	9830.8	10063.3	9897.7	9017.0	9318.8	9205.5	8518.5
65°	8997.4	9467.2	9338.6	8891.0	9380.0	9399.1	9345.6	8866.8	9423.9	8493.0	7641.1
67.5°	8055.6	8731.8	8901.8	8012.3	8163.9	8039.8	7949.9	8044.2	8876.3	7425.3	6421.8
70°	6561.3	7578.8	7660.2	6408.5	6339.8	6256.3	6077.4	6595.0	7795.8	6085.6	5095.7
72.5°	4824.4	5894.0	6144.2	4700.3	4381.9	4399.0	4257.8	4970.2	6338.4	4520.6	3804.3
75°	3300.7	4267.8	4807.2	3279.8	2897.7	2904.6	2886.8	3521.7	5048.5	3144.7	2846.8
77.5°	2411.3	3049.2	3625.4	2205.0	2140.6	2101.2	2091.5	2464.1	3870.5	2283.2	2210.7
80°	1935.0	2252.7	2435.4	1528.1	1643.4	1640.2	1587.3	1694.3	2527.7	1670.1	1653.5
82.5°	1342.1	1731.2	1973.1	1197.7	1109.2	1090.7	1103.4	1262.0	1786.6	1141.6	1085.6
85°	708.0	1149.9	1954.1	1061.4	658.4	525.3	653.3	1033.4	1547.8	604.9	529.7
87.5°	90.4	332.3	1293.8	423.4	259.8	140.1	310.1	582.0	993.9	123.6	107.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	4245.6	4160.9	4050.1	3947.6	3841.2	3735.6	3597.4	3510.8	3451.0	3439.5	3414.1
5°	4142.4	3861.0	3648.3	3464.3	3297.6	3062.0	2931.4	2823.2	2765.3	2759.5	2745.4
7.5°	3666.8	3278.5	2991.3	2730.8	2494.6	2304.3	2094.2	1996.0	1956.0	1965.6	1975.1
10°	3172.2	2737.8	2408.1	2141.9	1933.7	1773.3	1604.5	1490.6	1411.6	1395.7	1392.5
12.5°	2810.4	2334.3	2013.8	1826.0	1665.0	1514.2	1335.1	1200.9	1098.3	1063.3	1039.7
15°	2657.6	2136.8	1801.2	1598.8	1421.1	1229.5	1063.3	922.5	828.4	797.8	780.6
17.5°	2690.1	2082.1	1654.8	1395.7	1168.3	968.5	759.0	638.6	582.0	567.3	567.3
20°	2860.7	2071.9	1533.8	1208.5	925.1	693.4	521.5	452.7	434.2	432.3	437.5
22.5°	3100.1	2107.5	1443.5	1046.1	718.8	506.2	406.2	380.8	372.5	374.4	380.1
25°	3456.8	2227.8	1377.9	901.6	564.1	414.5	362.3	347.0	343.2	348.3	355.3
27.5°	3879.5	2348.2	1337.2	792.6	476.3	378.8	344.5	328.6	331.0	337.5	343.8
30°	4250.6	2446.9	1272.8	715.0	448.8	380.8	344.5	322.9	320.2	321.6	323.4
32.5°	4583.7	2513.7	1197.7	641.2	387.1	338.0	321.6	318.4	304.4	299.3	299.9
35°	4870.8	2513.7	1152.4	597.8	347.0	299.9	273.1	257.2	250.2	250.9	257.9
37.5°	5147.8	2463.5	1130.2	573.7	325.4	285.2	261.6	247.7	238.0	236.2	237.5
40°	5392.3	2390.1	1104.7	563.4	308.7	276.3	254.0	242.5	232.4	229.2	229.9
42.5°	5588.4	2331.0	1076.6	550.1	298.6	270.0	249.0	238.7	227.3	224.1	223.4
45°	5800.5	2311.3	1039.7	523.4	303.7	270.6	247.7	236.9	225.4	221.6	220.2
47.5°	6079.9	2373.0	1001.6	491.5	314.5	273.8	249.5	236.9	224.7	221.6	220.2
50°	6432.1	2518.2	953.2	445.0	303.7	282.7	249.0	234.9	224.7	221.6	219.1
52.5°	6884.1	2714.3	889.5	391.5	297.3	304.4	247.7	231.1	221.6	217.1	212.6
55°	7433.6	2874.7	813.8	347.7	282.7	298.6	245.8	226.7	216.5	210.1	206.3
57.5°	7836.0	2932.7	716.3	319.0	262.3	289.1	243.2	220.9	210.1	205.0	200.0
60°	7756.5	2820.6	634.1	301.1	250.2	261.0	241.4	215.9	204.5	200.6	196.1
62.5°	7119.0	2527.7	581.4	293.0	242.5	238.0	243.2	210.8	199.3	195.5	194.2
65°	6163.4	2095.4	560.3	290.9	236.2	224.7	226.0	205.0	193.6	190.3	189.1
67.5°	5084.2	1691.2	541.8	297.3	228.0	215.2	208.8	197.4	187.8	184.6	182.1
70°	4009.4	1406.5	533.5	293.5	217.8	205.6	198.7	189.1	180.9	177.6	175.7
72.5°	3228.7	1188.0	529.2	289.7	204.5	193.0	186.5	178.3	169.4	168.0	166.2
75°	2732.1	934.0	484.6	277.6	189.1	177.6	173.1	165.5	156.7	156.7	155.3
77.5°	2107.5	675.6	403.0	245.8	173.1	160.5	156.7	150.9	140.7	142.6	142.0
80°	1556.7	440.7	315.2	203.8	153.4	141.4	139.5	133.8	122.9	125.4	125.4
82.5°	1066.5	289.1	226.7	166.8	131.1	119.7	119.7	113.9	101.8	103.1	107.0
85°	535.5	198.7	169.4	129.3	101.8	96.1	96.1	91.7	79.5	80.2	85.3
87.5°	163.1	119.7	112.1	92.4	73.2	72.0	68.8	65.5	57.9	57.3	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	3375.2	3338.9	3294.9	3198.2	3165.7	3163.8	3193.1	3162.5	3221.1	3196.3	3223.7
5°	2721.9	2686.2	2637.3	2513.7	2438.5	2387.7	2363.5	2292.2	2343.7	2306.1	2337.4
7.5°	2001.8	2010.1	1977.6	1905.1	1741.4	1659.2	1610.9	1567.6	1605.1	1601.3	1661.2
10°	1407.1	1429.4	1406.5	1333.3	1200.9	1155.6	1164.6	1181.7	1230.8	1256.3	1348.6
12.5°	1013.1	1011.7	997.1	931.6	844.2	849.4	885.6	915.6	960.8	987.4	1081.7
15°	756.4	744.9	738.6	685.0	635.5	646.3	664.1	667.2	695.9	711.9	788.2
17.5°	571.8	577.6	584.5	546.3	508.7	501.7	487.8	470.6	478.8	482.0	520.2
20°	454.0	476.9	494.1	467.3	429.2	408.7	390.9	379.4	379.4	378.8	389.6
22.5°	396.7	413.2	431.7	413.2	378.8	361.0	350.8	341.9	340.7	340.7	350.8
25°	365.5	377.6	395.4	382.6	357.2	343.8	334.3	322.9	318.4	317.1	324.1
27.5°	350.1	355.3	364.2	352.7	331.0	324.7	322.2	311.9	306.3	303.0	310.1
30°	324.1	322.9	323.4	311.9	294.8	294.1	298.6	300.6	298.6	297.9	308.7
32.5°	299.9	297.3	296.7	286.5	270.6	266.8	270.6	274.5	278.8	285.2	297.9
35°	269.4	275.7	279.4	270.6	251.6	240.1	235.6	228.6	224.7	224.7	239.4
37.5°	245.2	259.8	265.5	257.2	236.2	220.2	212.6	211.4	212.1	214.5	228.6
40°	236.9	247.7	252.8	244.5	223.4	208.8	204.5	203.1	204.5	208.2	222.3
42.5°	231.7	239.4	238.7	228.6	211.4	201.1	198.7	197.4	198.7	202.4	217.8
45°	227.3	232.4	227.3	215.2	199.3	194.2	194.8	194.2	195.5	199.3	213.9
47.5°	223.4	225.4	219.1	206.9	190.3	189.1	191.6	193.6	194.8	198.0	213.3
50°	217.8	217.8	212.1	199.3	182.7	183.3	186.5	190.9	191.6	195.5	207.6
52.5°	210.8	210.1	206.3	194.2	176.4	178.3	178.3	183.3	184.6	189.1	201.8
55°	205.0	203.8	201.8	190.3	170.7	173.8	171.9	173.8	177.0	181.5	195.5
57.5°	200.0	197.4	197.4	187.2	166.2	167.5	163.1	165.5	169.4	173.1	187.8
60°	194.8	192.3	193.6	182.7	159.2	157.9	156.0	161.0	162.4	166.8	181.5
62.5°	189.1	187.2	187.8	177.6	154.0	150.9	150.9	155.3	156.0	162.4	176.4
65°	184.6	182.1	181.5	172.5	148.4	144.5	146.4	148.4	149.5	156.0	169.4
67.5°	180.2	175.2	175.2	168.0	142.0	138.2	142.0	141.4	143.2	149.0	159.8
70°	174.5	167.5	168.0	164.9	135.6	131.1	134.4	133.8	134.9	138.8	149.5
72.5°	165.5	159.8	161.0	159.8	129.3	122.9	124.1	124.1	124.1	127.4	138.8
75°	154.0	149.5	153.4	156.7	121.6	112.6	113.9	113.9	112.1	113.9	128.0
77.5°	140.1	137.5	150.2	145.9	112.6	101.8	101.8	100.6	96.8	99.3	114.6
80°	124.8	122.9	138.8	122.3	102.4	88.5	87.2	84.0	80.2	82.2	97.5
82.5°	108.9	107.0	116.5	93.6	88.5	73.2	70.0	64.4	60.5	62.4	76.4
85°	89.1	89.1	89.8	70.7	67.5	56.0	52.2	44.6	40.1	41.4	54.7
87.5°	63.7	65.5	60.5	48.4	40.1	31.2	28.6	24.1	20.3	23.6	28.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GPC-AF-02-LED-E1-SLL-7030-1200

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	3363.8	3433.8	3513.3	3615.3	3702.5	3845.7	3983.3	4066.0
5°	2515.0	2631.5	2776.8	2963.2	3137.1	3398.1	3657.2	3823.4
7.5°	1799.9	1924.8	2081.4	2314.4	2560.2	2893.1	3235.7	3434.4
10°	1489.3	1617.2	1749.0	1906.3	2107.5	2469.8	2874.7	3098.9
12.5°	1232.0	1368.9	1510.9	1676.5	1863.0	2186.5	2653.2	2911.0
15°	943.0	1095.8	1263.2	1472.7	1706.4	2080.1	2598.4	2878.6
17.5°	646.3	816.9	1022.5	1281.1	1567.0	2045.8	2696.5	3019.3
20°	445.0	569.2	788.9	1091.9	1435.7	2041.3	2884.9	3289.2
22.5°	372.5	427.9	588.4	918.1	1337.2	2096.0	3177.2	3668.1
25°	344.5	377.6	470.0	767.2	1265.1	2222.2	3579.6	4158.3
27.5°	327.9	357.9	426.5	668.5	1208.5	2368.5	3971.1	4633.3
30°	334.3	364.8	414.5	618.3	1131.4	2490.8	4318.8	5003.8
32.5°	301.1	314.5	355.3	573.7	1075.9	2593.3	4623.2	5310.8
35°	256.5	280.1	317.1	552.7	1077.3	2662.1	4954.9	5703.0
37.5°	244.5	268.0	294.8	544.9	1091.9	2735.3	5335.6	6162.7
40°	236.9	258.5	281.5	540.7	1105.9	2802.2	5708.7	6617.3
42.5°	231.7	251.6	280.1	525.3	1113.0	2862.0	6015.6	7003.8
45°	231.1	251.6	285.2	510.0	1123.8	2926.3	6272.9	7289.7
47.5°	231.7	259.8	275.7	491.5	1123.8	3033.9	6574.6	7545.0
50°	229.2	273.8	265.5	465.5	1097.7	3237.7	6988.6	7886.9
52.5°	228.0	271.8	245.8	425.3	1052.5	3561.1	7518.9	8358.2
55°	224.7	262.3	231.7	365.5	999.6	3913.8	8086.9	8915.2
57.5°	221.6	232.4	224.1	313.2	918.1	4162.1	8477.8	9350.1
60°	248.3	203.1	217.8	287.8	809.3	4230.3	8462.4	9523.2
62.5°	229.9	190.3	209.4	282.1	732.8	4039.4	8071.5	9429.6
65°	180.2	182.1	201.1	298.6	712.5	3533.1	7378.9	8997.4
67.5°	164.9	173.8	193.0	319.6	714.3	2828.9	6343.6	8055.6
70°	155.3	164.9	183.3	330.4	719.5	2108.8	5015.3	6561.3
72.5°	144.5	152.9	172.5	332.3	686.3	1532.0	3865.5	4824.4
75°	131.7	139.5	157.3	289.7	568.5	1062.6	2956.9	3300.7
77.5°	117.1	122.9	138.2	223.4	422.2	680.0	2219.6	2411.3
80°	100.0	103.1	116.0	163.7	289.1	425.3	1756.1	1935.0
82.5°	80.2	81.5	89.8	122.9	187.8	273.1	1175.9	1342.1
85°	56.7	56.7	61.7	89.1	128.0	173.1	638.6	708.0
87.5°	26.8	27.5	27.5	49.0	66.8	87.9	147.1	90.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)