

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: P386366

Luminaire Tested: **GWC-SA2A-730-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2A-730-U-T2-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6299 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
Input Voltage (V): NR
Input Current (A_{in}): 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: 24 FT

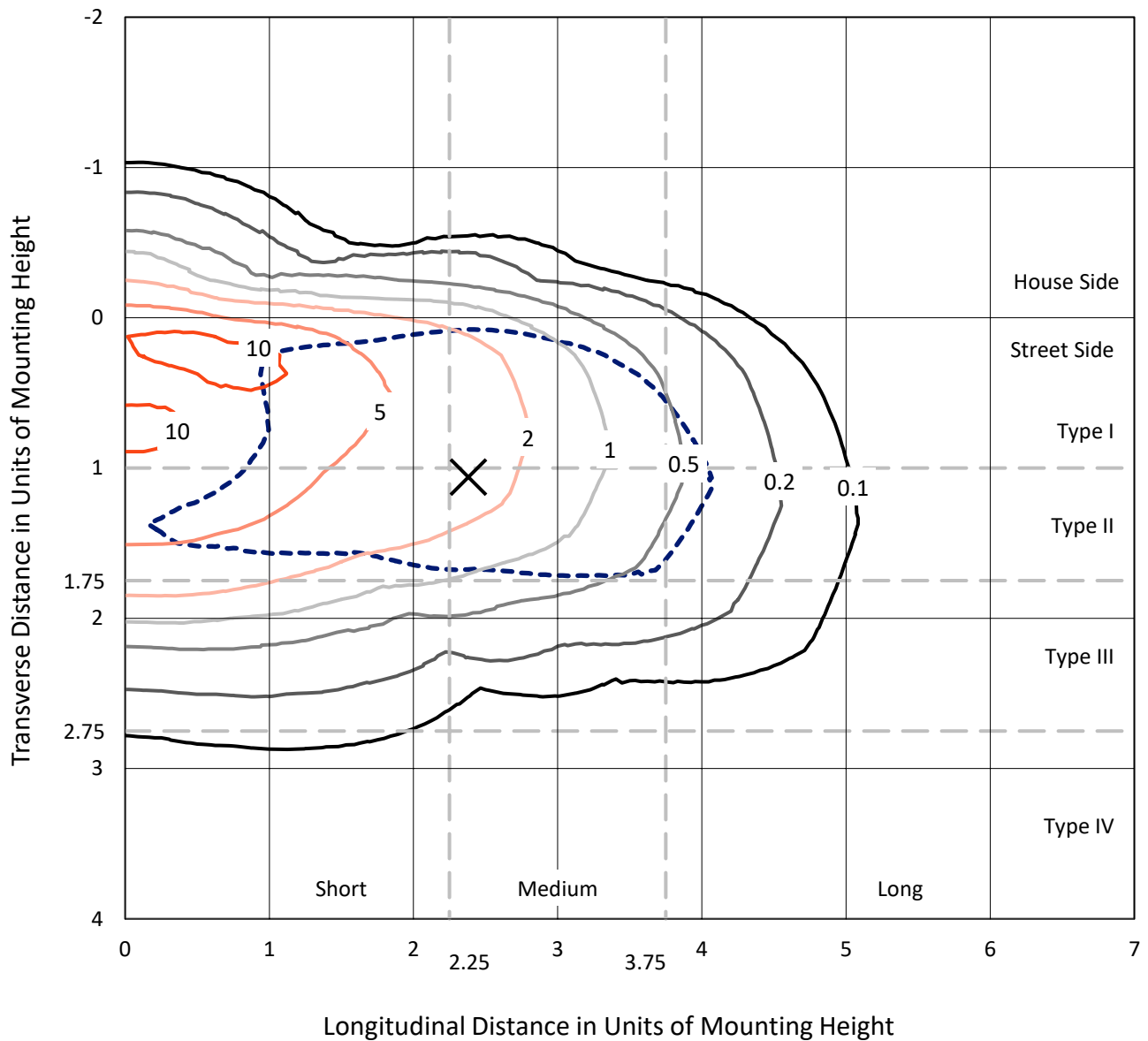




REPORT NUMBER: P386366
 CATALOG NUMBER: GWC-SA2A-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

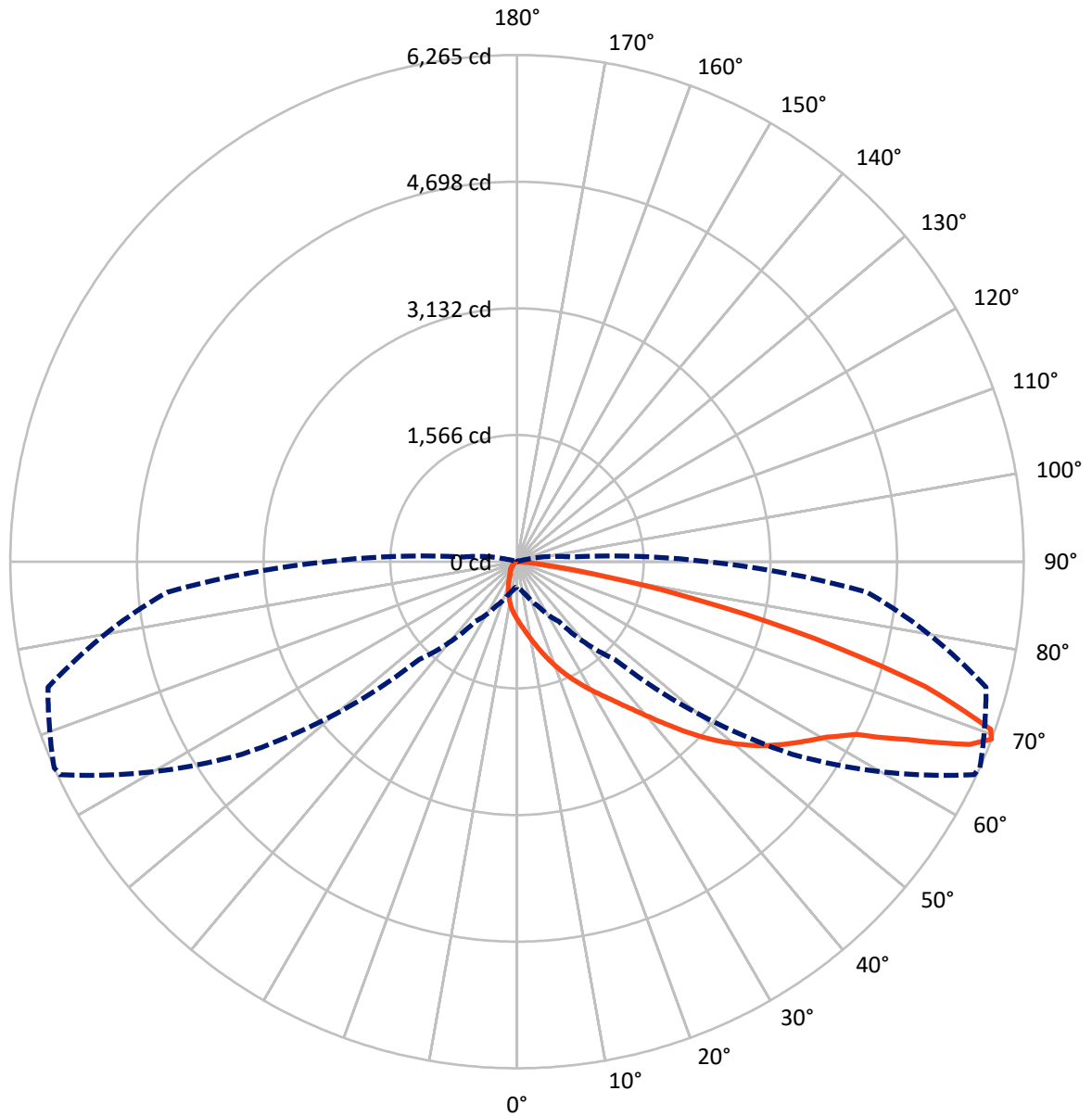
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P386366
CATALOG NUMBER: GWC-SA2A-730-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



REPORT NUMBER: P386366

CATALOG NUMBER: GWC-SA2A-730-U-T2-HSS

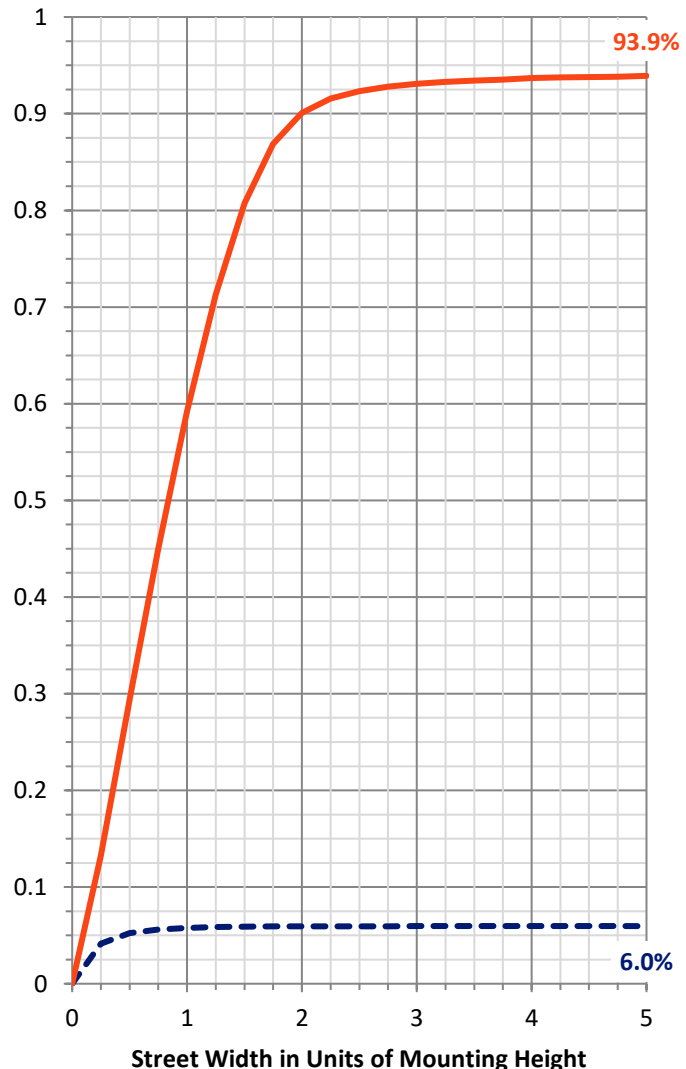
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	377.9	0.0	377.9
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	5921.1	0.0	5921.1
	% Fixture	94.0	0.0	94.0
Total	Lumens	6299.0	0.0	6299.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.1
10°-20°	206.2	3.3
20°-30°	359.1	5.7
30°-40°	630.1	10.0
40°-50°	1054.6	16.7
50°-60°	1550.2	24.6
60°-70°	1591.7	25.3
70°-80°	785.8	12.5
80°-90°	52.0	0.8
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°	6299.0	100.0
0°-180°	6299.0	100.0



REPORT NUMBER: P386366

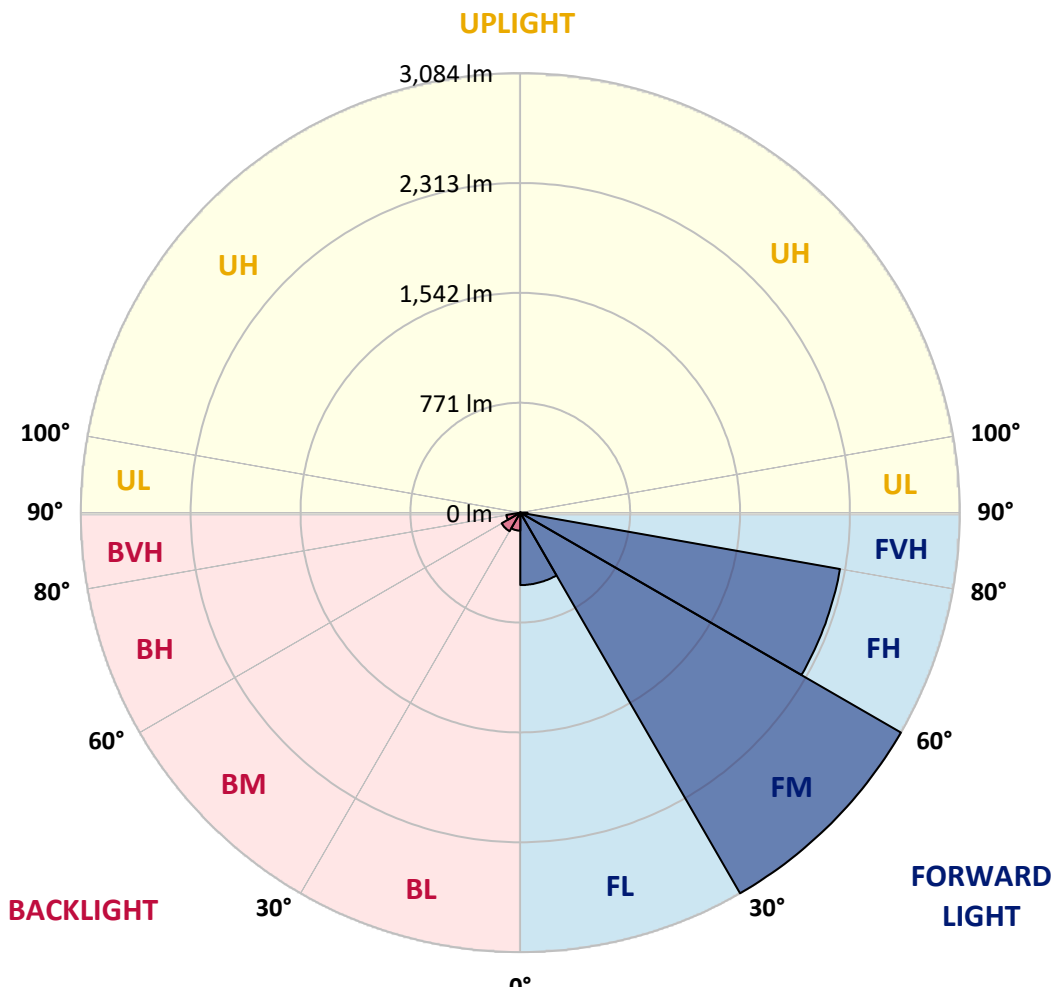
CATALOG NUMBER: GWC-SA2A-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.3	8.1			
FM (30°-60°)	3084.3	49.0			
FH (60°-80°)	2277.9	36.2			G2/5000
FVH (80°-90°)	50.7	0.8			G1/100
BL (0°-30°)	126.4	2.0	B1/500		
BM (30°-60°)	150.7	2.4	B0/220		
BH (60°-80°)	99.6	1.6	B0/110		G0/110
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





REPORT NUMBER: P386366

CATALOG NUMBER: GWC-SA2A-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8
2.5°	843.7	840.1	838.6	832.0	820.7	812.0	795.2	775.8	772.2	753.3	730.3
5°	953.2	950.2	948.1	938.8	927.2	905.3	874.8	838.6	831.7	795.8	749.8
7.5°	1029.5	1034.9	1034.9	1028.9	1014.2	997.8	960.4	911.0	902.3	847.3	775.8
10°	1074.1	1080.7	1085.7	1090.8	1088.7	1082.2	1046.8	991.2	980.7	907.7	806.0
12.5°	1078.3	1084.8	1099.2	1120.4	1141.1	1156.0	1133.9	1080.1	1068.1	977.7	841.9
15°	1054.9	1061.8	1083.9	1125.2	1175.2	1218.9	1226.1	1178.5	1166.2	1061.2	886.8
17.5°	1014.2	1018.7	1050.4	1107.6	1186.0	1266.1	1309.5	1284.1	1272.7	1156.6	936.7
20°	984.0	987.3	1015.1	1076.5	1179.4	1295.8	1388.5	1396.3	1384.3	1259.0	990.9
22.5°	1035.8	1041.8	1042.7	1071.7	1161.4	1310.4	1457.9	1506.7	1497.7	1367.6	1044.2
25°	1177.3	1184.2	1161.4	1143.5	1176.7	1317.0	1517.5	1619.8	1612.6	1484.6	1097.7
27.5°	1364.3	1371.5	1342.1	1288.6	1256.6	1341.8	1570.4	1734.7	1734.4	1608.4	1155.5
30°	1548.0	1555.2	1525.2	1471.7	1398.1	1412.2	1616.2	1854.9	1856.7	1736.2	1216.8
32.5°	1740.7	1749.6	1718.8	1650.0	1573.1	1533.6	1680.5	1975.8	1986.0	1884.3	1285.9
35°	1959.7	1960.9	1917.5	1845.4	1756.8	1696.1	1783.7	2111.3	2135.6	2067.7	1373.6
37.5°	2174.5	2183.2	2147.5	2033.9	1952.5	1883.7	1937.2	2280.7	2315.1	2291.8	1488.1
40°	2333.6	2351.9	2346.8	2224.1	2146.9	2097.9	2127.8	2482.0	2525.7	2552.6	1632.7
42.5°	2433.6	2447.3	2470.7	2396.8	2326.8	2334.8	2352.8	2716.6	2770.4	2850.0	1798.7
45°	2548.2	2554.7	2574.2	2541.6	2494.3	2575.7	2591.5	2980.8	3037.3	3169.9	1983.0
47.5°	2688.2	2703.7	2709.1	2679.2	2657.7	2788.7	2821.6	3221.0	3300.3	3512.4	2178.1
50°	2866.5	2870.7	2880.0	2860.5	2839.0	2971.8	3028.0	3473.2	3545.3	3856.2	2370.4
52.5°	3040.9	3055.9	3088.2	3075.9	3067.2	3127.7	3212.0	3700.6	3781.1	4142.8	2562.5
55°	3091.2	3104.0	3215.6	3291.9	3362.5	3319.8	3388.0	3904.4	3991.4	4398.9	2747.4
57.5°	2890.4	2916.5	3109.7	3308.4	3601.3	3618.3	3629.7	4113.5	4191.6	4595.2	2939.8
60°	2383.0	2388.1	2705.2	3046.0	3561.8	3878.9	3982.7	4338.2	4403.7	4778.0	3170.2
62.5°	1515.7	1567.4	1915.4	2396.5	3144.1	3841.2	4409.7	4678.1	4702.0	4997.3	3500.5
65°	721.9	755.4	1006.2	1480.7	2277.4	3358.6	4704.4	5292.9	5303.6	5432.0	3941.8
67.5°	399.7	415.9	535.2	797.0	1331.4	2375.2	4585.3	6021.1	6031.3	5876.0	4328.9
69°	312.6	326.4	420.4	600.8	902.6	1707.1	4149.4	6234.4	6264.6	6003.1	4342.7
70°	265.4	278.8	362.0	507.4	725.8	1319.1	3693.4	6181.5	6213.5	5991.2	4240.0
72.5°	162.5	170.2	241.1	357.2	486.5	663.6	2277.7	5227.7	5281.8	5495.7	3644.1
75°	109.5	113.7	150.8	246.5	348.0	341.7	1183.3	3684.8	3802.0	4275.0	2691.5
77.5°	78.4	82.3	101.1	159.5	243.8	225.6	535.8	2290.0	2315.1	2564.0	1467.8
80°	44.6	48.2	71.5	94.8	165.4	150.5	213.0	1093.8	1106.4	1099.5	490.1
82.5°	23.3	26.3	39.2	62.5	106.2	98.4	88.6	366.2	368.0	306.1	107.4
85°	4.5	5.4	19.4	42.8	54.8	42.8	36.2	85.9	87.7	77.5	26.6
87.5°	0.0	0.3	7.8	9.6	10.8	11.1	11.7	16.8	18.0	24.2	7.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8
2.5°	720.1	709.4	688.7	664.8	646.2	628.0	613.6	598.7	593.3	590.6	590.3
5°	727.3	704.6	660.9	616.0	579.2	544.5	519.7	496.0	485.0	479.9	477.8
7.5°	739.3	702.8	632.5	564.0	511.0	467.6	433.2	407.5	394.6	389.2	387.1
10°	753.3	700.4	599.3	508.9	441.3	396.4	362.3	336.9	322.8	316.8	313.8
12.5°	769.8	696.2	561.0	453.3	381.8	336.9	295.6	264.2	248.0	241.1	237.9
15°	790.1	692.0	520.9	400.9	329.4	274.7	229.5	208.2	204.9	203.7	204.0
17.5°	810.2	685.4	477.2	349.1	274.4	214.5	191.5	190.3	190.9	190.9	190.9
20°	828.1	670.5	429.6	304.9	222.0	181.0	176.2	174.1	172.6	171.4	169.9
22.5°	842.2	650.4	383.9	260.9	181.3	165.7	158.3	151.7	146.3	142.7	140.9
25°	851.8	623.8	342.0	218.7	163.1	150.8	137.3	126.3	117.9	112.8	110.7
27.5°	859.0	595.1	304.6	183.1	150.5	133.4	115.8	102.6	93.9	89.5	87.7
30°	864.0	562.5	271.7	161.0	136.4	115.2	96.3	83.5	77.2	74.8	73.6
32.5°	868.8	526.3	240.5	150.5	123.3	98.4	80.8	70.9	67.0	64.0	63.1
35°	880.8	492.8	210.9	139.4	109.8	84.1	69.4	62.2	58.3	56.5	55.9
37.5°	909.2	467.9	182.5	128.1	96.3	72.7	60.7	55.6	52.1	50.3	49.7
40°	955.0	455.4	158.6	115.8	83.2	64.0	55.0	50.3	46.4	43.7	43.1
42.5°	1022.3	457.2	141.8	103.5	72.7	57.1	49.7	44.0	39.8	37.4	36.8
45°	1104.0	470.3	130.1	91.6	64.0	51.8	43.7	37.7	33.8	31.7	31.1
47.5°	1192.6	491.6	120.6	80.8	57.1	46.7	37.7	31.4	28.1	26.3	26.0
50°	1285.9	512.2	110.7	70.3	51.2	41.6	31.7	26.0	23.3	21.8	21.2
52.5°	1380.4	536.1	101.7	60.7	46.1	35.6	26.3	21.2	19.1	18.0	17.4
55°	1482.2	554.1	93.0	53.3	41.0	30.2	21.8	17.7	15.9	14.4	14.1
57.5°	1601.8	581.9	84.1	46.1	35.0	25.1	18.0	14.1	12.6	11.1	10.8
60°	1763.4	614.5	74.5	40.7	28.7	20.6	14.7	11.4	9.6	8.4	8.1
62.5°	1976.4	650.7	62.5	35.6	23.3	16.8	11.7	9.0	6.9	5.4	5.4
65°	2246.6	709.7	51.2	29.9	19.1	13.8	9.0	6.6	3.9	2.4	2.4
67.5°	2404.2	719.8	41.3	24.5	15.6	11.7	7.5	4.5	1.2	0.3	0.0
69°	2353.7	660.9	35.0	20.9	13.5	11.1	6.9	3.3	0.6	0.0	0.0
70°	2258.5	604.4	30.8	18.5	12.3	10.5	6.6	2.4	0.6	0.0	0.0
72.5°	1866.3	430.2	23.3	13.8	9.0	9.3	6.0	1.5	0.6	0.0	0.0
75°	1359.5	261.5	16.8	9.6	5.7	6.9	4.2	0.6	0.3	0.0	0.0
77.5°	756.3	123.3	10.5	5.4	3.6	4.2	2.1	0.0	0.0	0.0	0.0
80°	245.6	33.5	4.8	3.0	2.1	2.4	0.9	0.0	0.0	0.0	0.0
82.5°	45.5	9.6	2.7	1.5	0.6	0.6	0.0	0.0	0.0	0.0	0.0
85°	9.9	3.9	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

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