

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: P386068

Luminaire Tested: **GWC-SA1C-830-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1C-830-U-T4W-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4351 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

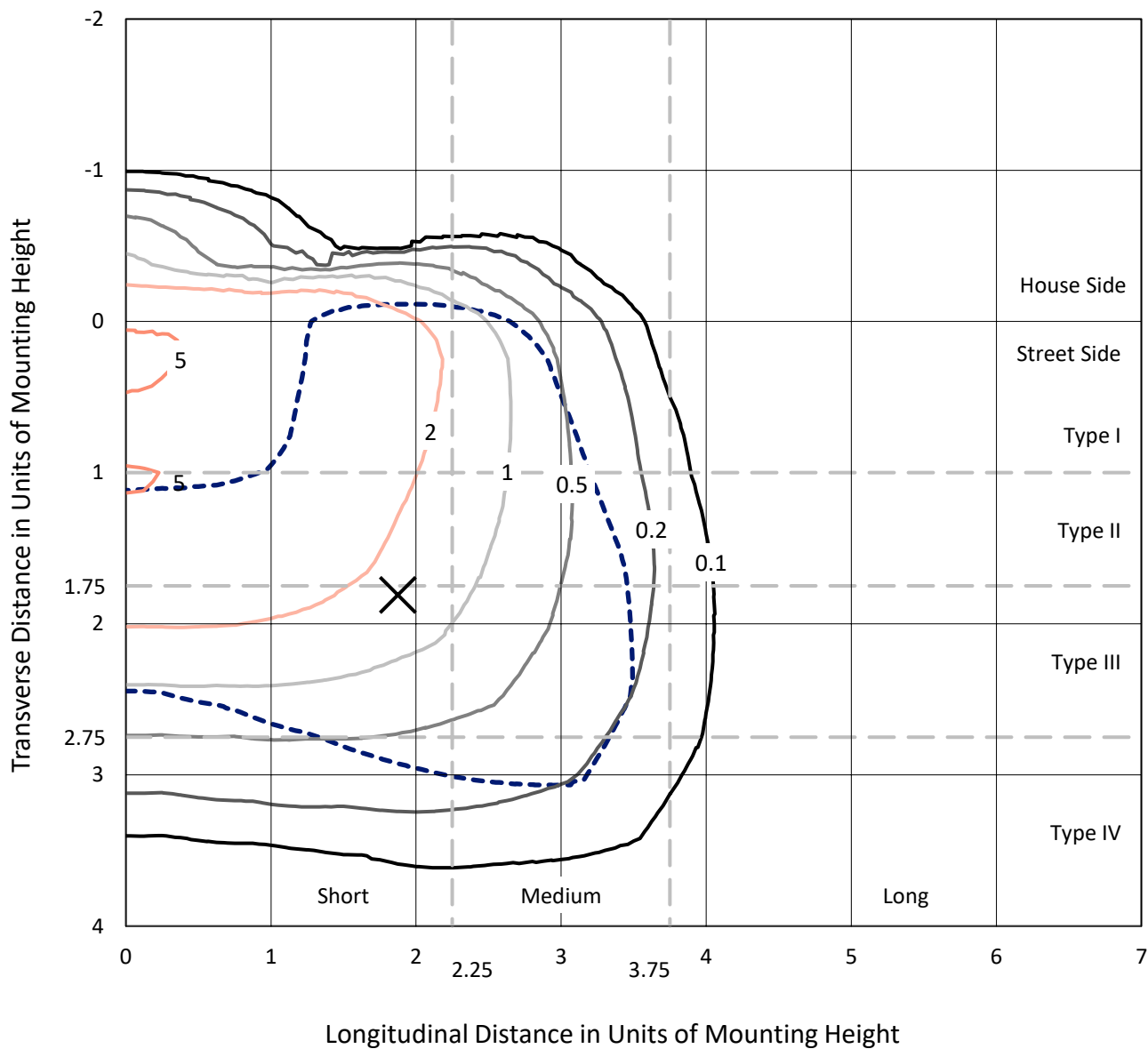
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

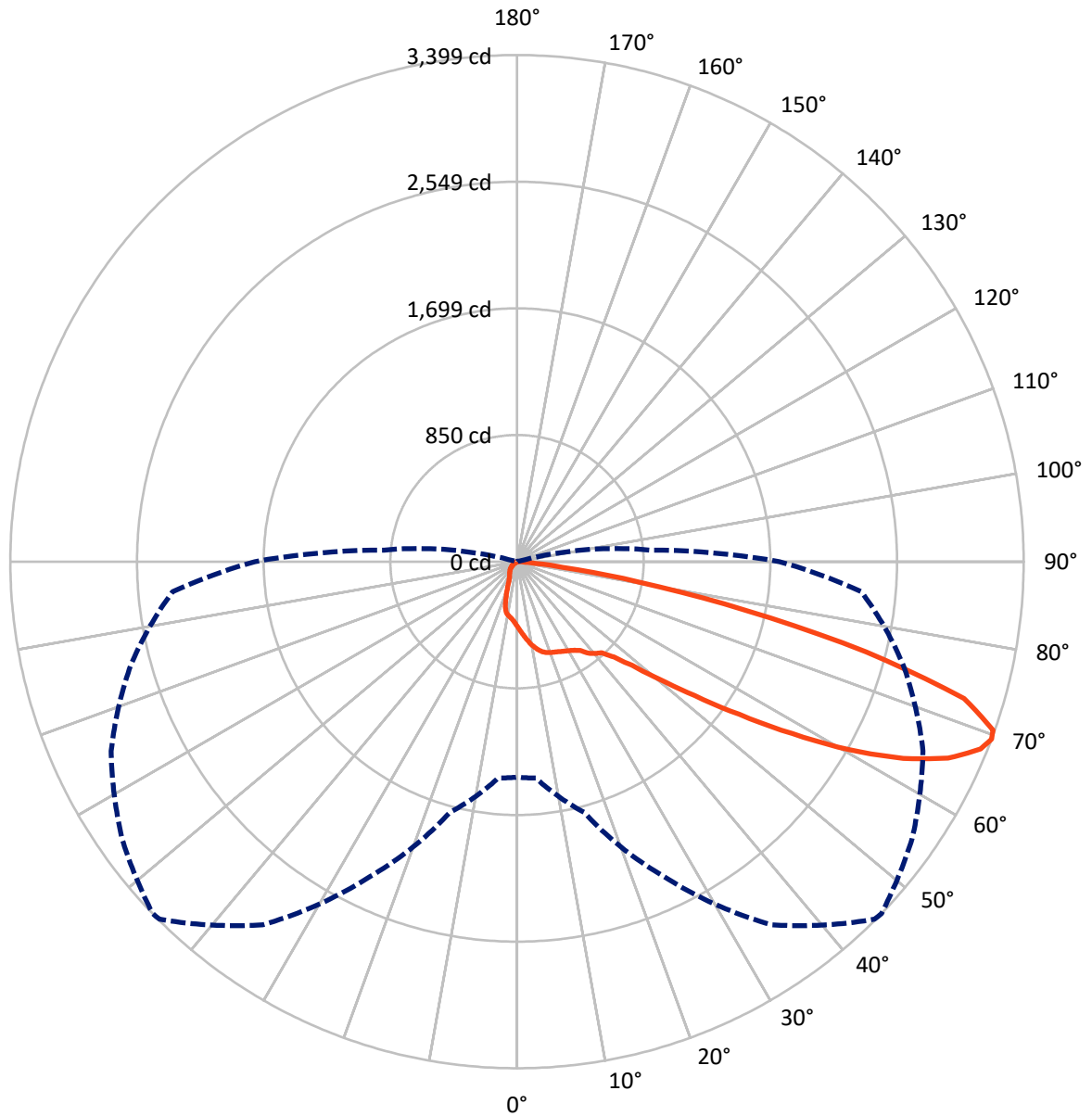
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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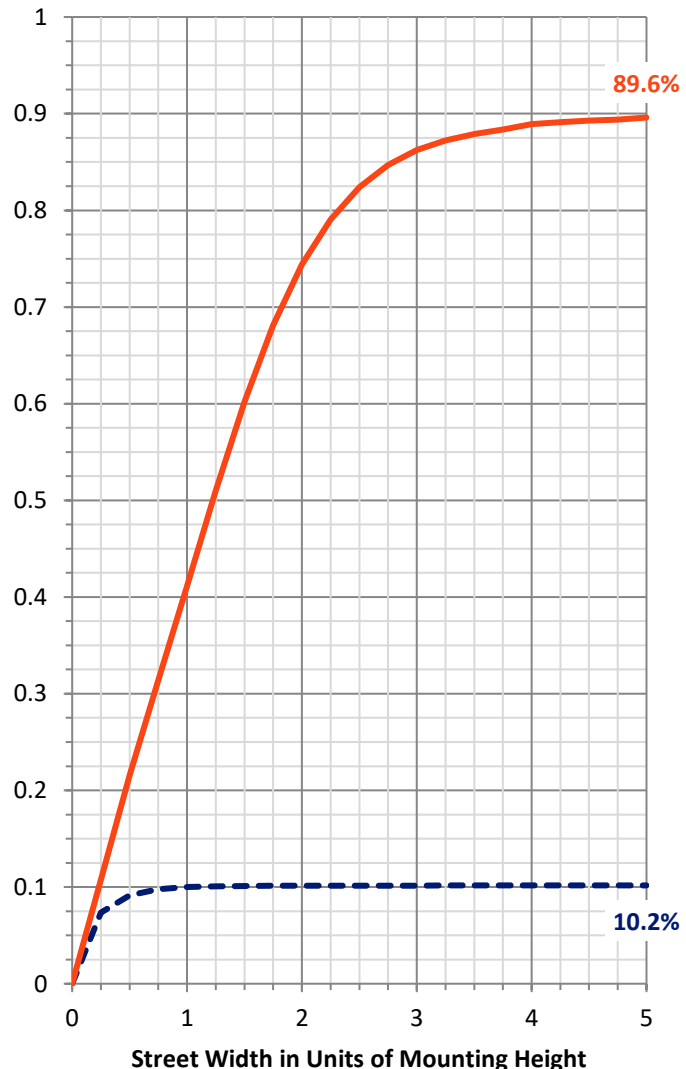
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.5	0.0	446.5
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	3904.5	0.0	3904.5
	% Fixture	89.7	0.0	89.7
Total	Lumens	4351.0	0.0	4351.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	1.0
10°-20°	131.6	3.0
20°-30°	207.0	4.8
30°-40°	296.9	6.8
40°-50°	513.1	11.8
50°-60°	1013.7	23.3
60°-70°	1416.8	32.6
70°-80°	684.5	15.7
80°-90°	44.0	1.0
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°	4351.0	100.0
0°-180°	4351.0	100.0



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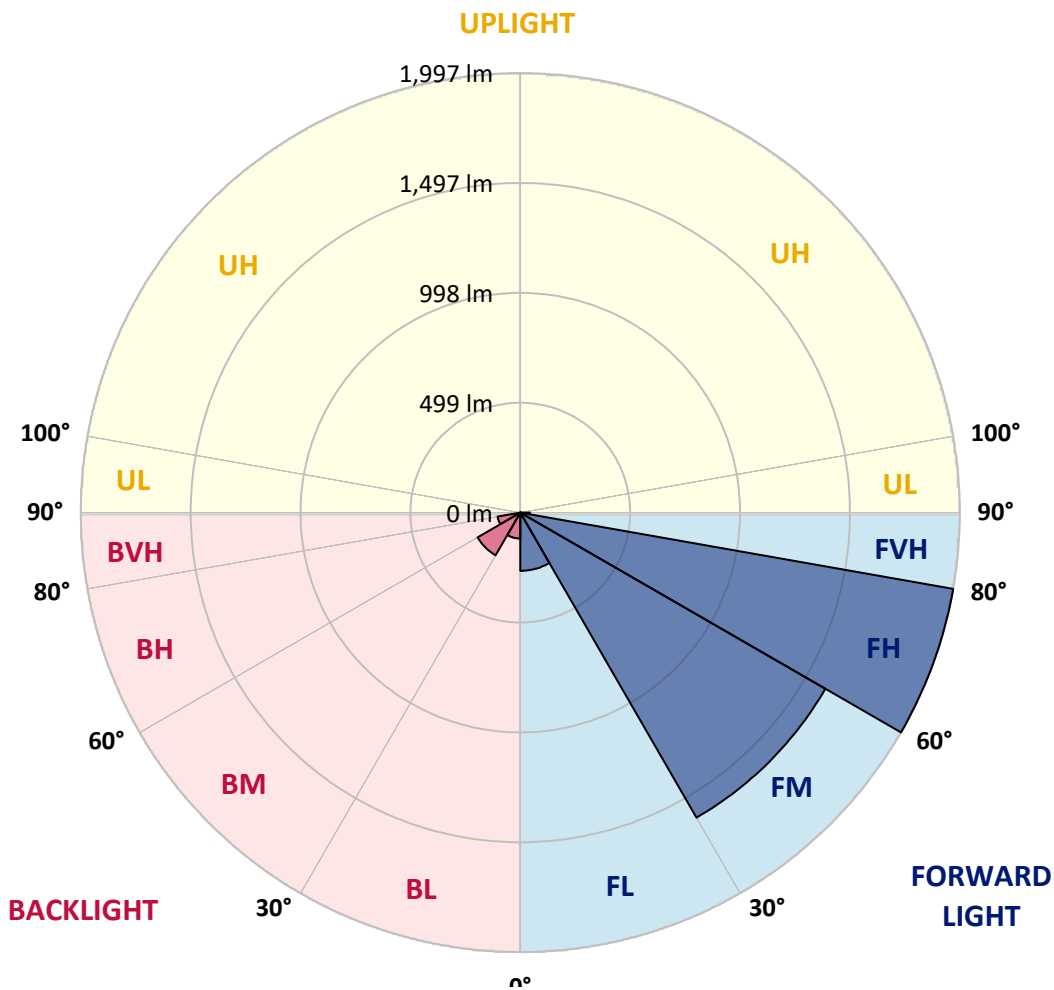
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.4	6.1			
FM (30°-60°)	1600.0	36.8			
FH (60°-80°)	1996.5	45.9			G2/5000
FVH (80°-90°)	43.6	1.0			G1/100
BL (0°-30°)	117.7	2.7	B1/500		
BM (30°-60°)	223.8	5.1	B1/1000		
BH (60°-80°)	104.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	484.3	483.7	480.8	479.6	472.7	468.6	467.0	461.9	454.5	447.2	439.0
5°	539.4	539.2	533.9	528.8	515.7	503.5	501.2	489.4	472.9	457.4	441.9
7.5°	595.7	593.0	587.7	577.9	559.0	539.4	537.5	520.8	497.4	474.9	452.7
10°	643.4	641.8	634.9	620.0	597.7	575.5	573.2	552.6	526.1	498.6	470.2
12.5°	680.6	679.3	670.1	651.6	627.9	604.9	601.8	583.4	555.1	524.3	490.8
15°	703.2	702.6	691.4	671.6	648.3	628.3	625.7	609.6	583.2	551.0	513.3
17.5°	708.5	708.7	697.1	677.1	657.9	643.6	641.6	629.3	607.3	575.3	535.7
20°	696.7	699.1	688.7	671.4	659.5	652.0	650.4	643.0	624.5	594.3	553.7
22.5°	679.9	681.2	674.0	662.4	657.5	658.9	658.1	654.0	638.3	610.6	571.4
25°	669.7	669.7	665.5	655.7	658.9	667.7	667.9	667.1	654.6	630.6	593.0
27.5°	669.3	668.1	663.2	655.9	664.8	678.3	679.1	684.6	676.9	654.8	620.0
30°	685.7	684.2	673.8	664.2	675.7	690.1	692.2	704.2	700.3	681.2	650.0
32.5°	723.8	718.7	695.6	679.9	688.5	705.8	708.5	727.7	733.8	713.6	678.9
35°	776.0	759.9	726.7	709.7	710.5	728.7	731.1	759.3	777.5	743.4	701.4
37.5°	848.0	840.1	786.0	740.7	744.4	771.9	779.1	809.7	804.6	759.7	726.9
40°	1005.9	993.5	936.0	827.6	776.8	807.0	809.3	825.6	826.0	796.6	779.9
42.5°	1221.0	1215.9	1155.3	985.3	840.7	830.5	834.6	862.1	892.9	874.6	873.7
45°	1459.0	1456.4	1392.1	1194.6	969.8	907.4	912.5	949.4	1008.4	1012.5	1038.4
47.5°	1650.6	1649.4	1612.4	1428.2	1167.5	1037.8	1039.4	1078.6	1182.2	1233.4	1274.8
50°	1825.2	1831.1	1802.0	1681.0	1436.8	1242.0	1238.1	1264.2	1430.7	1514.5	1565.9
52.5°	2068.0	2076.3	1994.5	1916.8	1719.3	1495.3	1492.3	1519.6	1729.3	1792.2	1801.3
55°	2282.4	2268.1	2203.4	2181.0	2063.9	1808.3	1807.5	1831.5	2018.2	2044.9	2061.9
57.5°	2377.0	2371.5	2402.7	2454.2	2424.8	2178.1	2176.3	2157.9	2276.7	2279.5	2331.5
60°	2436.8	2443.5	2539.2	2697.7	2771.0	2576.1	2564.3	2452.3	2523.5	2517.2	2572.9
62.5°	2391.9	2405.2	2577.4	2841.6	3030.1	2923.6	2906.8	2722.0	2734.5	2712.6	2764.4
65°	2153.7	2174.3	2456.4	2814.4	3158.6	3195.1	3178.2	2960.1	2901.9	2866.0	2837.3
67.5°	1748.7	1761.0	2055.5	2578.4	3100.6	3357.1	3353.6	3168.8	3028.4	2840.1	2616.9
69°	1445.2	1457.2	1740.8	2329.9	2973.1	3391.8	3398.5	3235.7	3004.3	2682.6	2318.7
70°	1224.0	1236.9	1501.1	2116.9	2825.2	3375.6	3387.7	3229.4	2935.4	2500.3	2057.0
72.5°	642.0	653.0	924.1	1458.4	2303.2	3099.6	3136.1	2956.4	2488.2	1815.8	1216.3
75°	201.8	208.1	360.9	762.4	1576.9	2410.1	2418.5	2319.1	1766.9	998.8	506.5
77.5°	76.9	75.1	120.2	280.9	797.2	1517.6	1568.8	1449.2	927.2	353.1	116.9
80°	41.4	41.6	62.4	116.3	341.1	779.9	823.2	702.4	329.5	110.2	26.9
82.5°	18.0	18.8	35.1	61.6	156.7	287.6	309.3	257.5	125.9	74.1	10.0
85°	3.9	4.3	16.9	33.5	63.9	80.8	84.7	83.4	80.2	57.5	3.9
87.5°	0.0	0.0	7.5	12.0	16.1	18.4	16.1	21.0	44.3	38.8	2.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	436.4	432.7	426.4	419.4	414.5	409.4	405.4	403.5	401.5	400.0	401.9
5°	435.5	428.4	416.2	404.3	395.8	388.8	383.1	380.9	378.6	377.0	376.8
7.5°	442.7	432.7	413.9	396.6	383.3	373.9	366.2	362.9	360.3	359.0	358.0
10°	456.4	443.5	418.4	395.8	378.6	362.7	346.0	333.1	324.8	320.9	319.5
12.5°	474.1	458.0	427.0	400.0	375.2	344.6	309.1	278.5	258.7	252.1	248.3
15°	494.9	474.9	438.2	405.6	362.5	306.6	246.4	206.5	188.1	184.4	180.3
17.5°	514.9	492.9	451.7	406.6	334.8	245.0	180.5	153.4	146.3	148.7	149.3
20°	532.4	510.6	464.9	397.6	284.4	183.8	139.7	133.0	135.7	140.4	141.2
22.5°	550.2	527.8	477.2	373.9	219.9	139.5	125.9	127.5	130.2	134.8	135.7
25°	571.8	548.6	488.6	330.5	165.0	118.7	119.5	122.0	124.6	128.9	129.3
27.5°	596.7	574.9	496.1	274.0	122.4	109.1	111.8	115.5	118.1	122.2	123.0
30°	629.8	609.6	498.6	215.4	102.6	100.6	101.8	106.3	110.2	113.8	114.4
32.5°	660.8	643.8	490.4	162.6	95.1	92.6	92.6	95.3	99.8	103.2	104.0
35°	689.3	678.3	464.3	118.9	89.4	85.3	83.2	83.2	86.1	88.9	89.8
37.5°	727.1	726.7	422.1	94.9	83.8	79.2	74.9	71.6	70.6	71.2	71.6
40°	791.7	792.3	367.0	85.1	79.2	72.8	66.3	60.4	54.9	53.0	52.8
42.5°	892.7	883.5	309.3	80.4	75.1	66.3	56.5	48.6	40.0	37.3	37.1
45°	1053.1	998.6	248.1	76.1	70.8	59.0	46.7	35.9	29.0	26.9	26.9
47.5°	1286.6	1149.8	192.2	71.4	65.1	50.6	35.3	25.9	21.2	20.2	20.4
50°	1528.2	1297.9	147.3	65.5	58.1	41.8	26.1	18.8	16.1	16.1	16.3
52.5°	1742.4	1406.4	114.9	59.2	49.6	32.8	19.8	14.7	13.5	13.3	13.5
55°	1942.9	1476.4	87.9	51.8	39.4	24.5	15.1	12.0	11.2	10.8	10.6
57.5°	2136.3	1511.0	65.9	41.8	28.6	17.7	12.0	10.2	9.4	8.8	8.6
60°	2265.0	1482.9	45.3	30.8	19.8	12.9	10.0	8.8	7.8	7.1	6.9
62.5°	2337.7	1406.0	29.2	22.2	14.1	9.6	8.0	7.3	5.9	5.3	5.3
65°	2308.3	1279.1	20.4	15.9	10.2	7.1	5.9	5.9	4.3	3.5	3.3
67.5°	2045.5	1080.6	15.5	11.8	7.3	5.3	4.5	5.1	2.7	1.6	1.6
69°	1759.9	895.6	13.3	9.8	6.1	4.3	3.9	4.7	1.8	1.2	1.0
70°	1529.6	772.6	12.0	8.6	5.1	3.7	3.5	4.5	1.8	1.0	0.8
72.5°	915.2	430.9	9.2	6.1	3.3	2.9	2.9	5.1	1.8	1.0	0.8
75°	369.9	151.8	6.7	4.3	2.4	2.4	3.5	6.5	1.6	0.8	0.6
77.5°	83.8	33.3	3.9	2.7	1.6	2.4	4.1	5.1	1.0	0.4	0.0
80°	20.4	8.2	2.4	1.6	1.0	1.8	3.1	2.9	0.2	0.0	0.0
82.5°	6.7	2.9	1.0	0.8	0.2	0.6	1.4	0.8	0.0	0.0	0.0
85°	2.9	1.6	0.4	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0
87.5°	1.8	0.6	0.0	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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