

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: P386809

Luminaire Tested: **GWC-SA2C-730-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2C-730-U-SL4
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12772 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

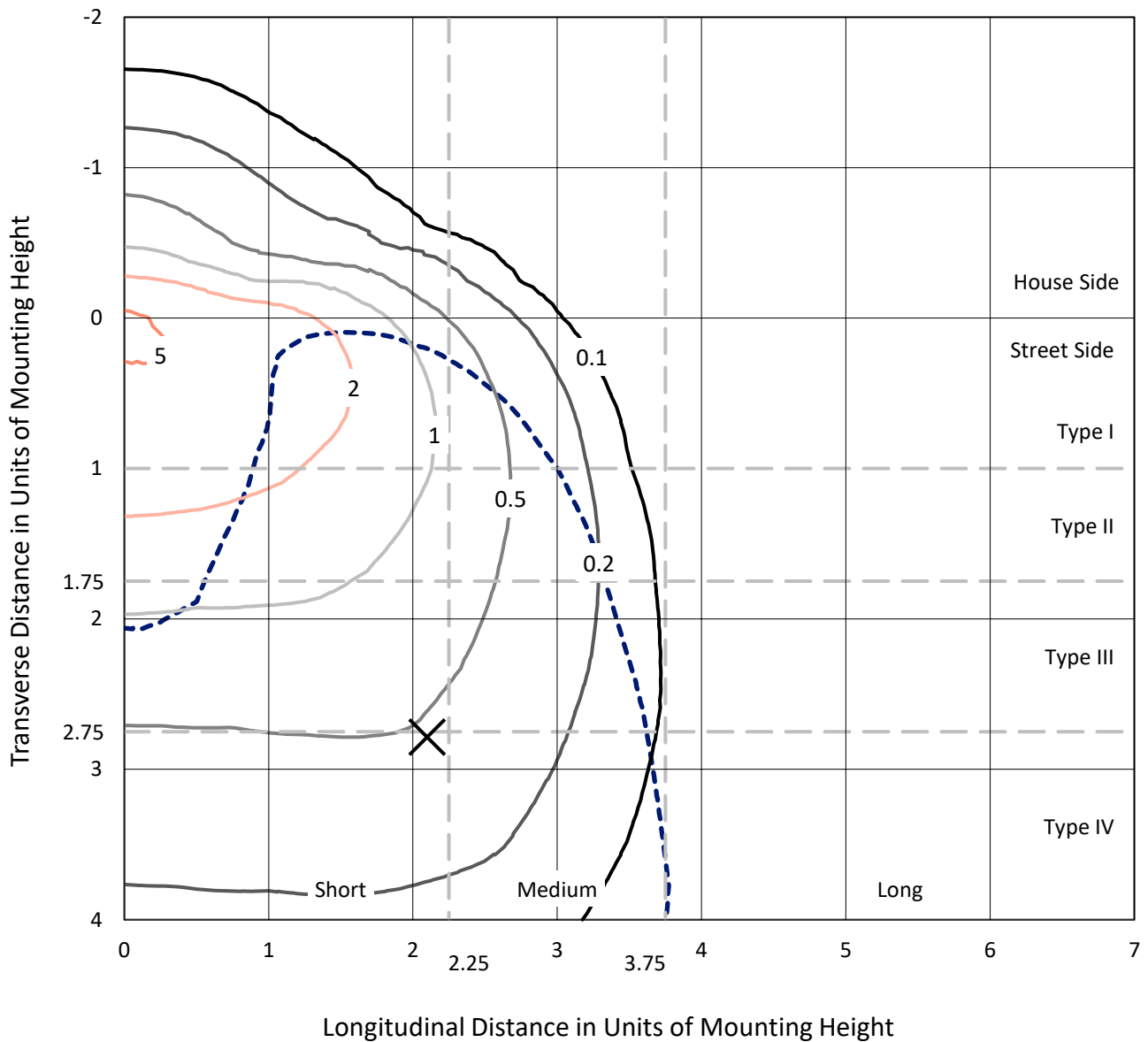
Input Watts (W): 113
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

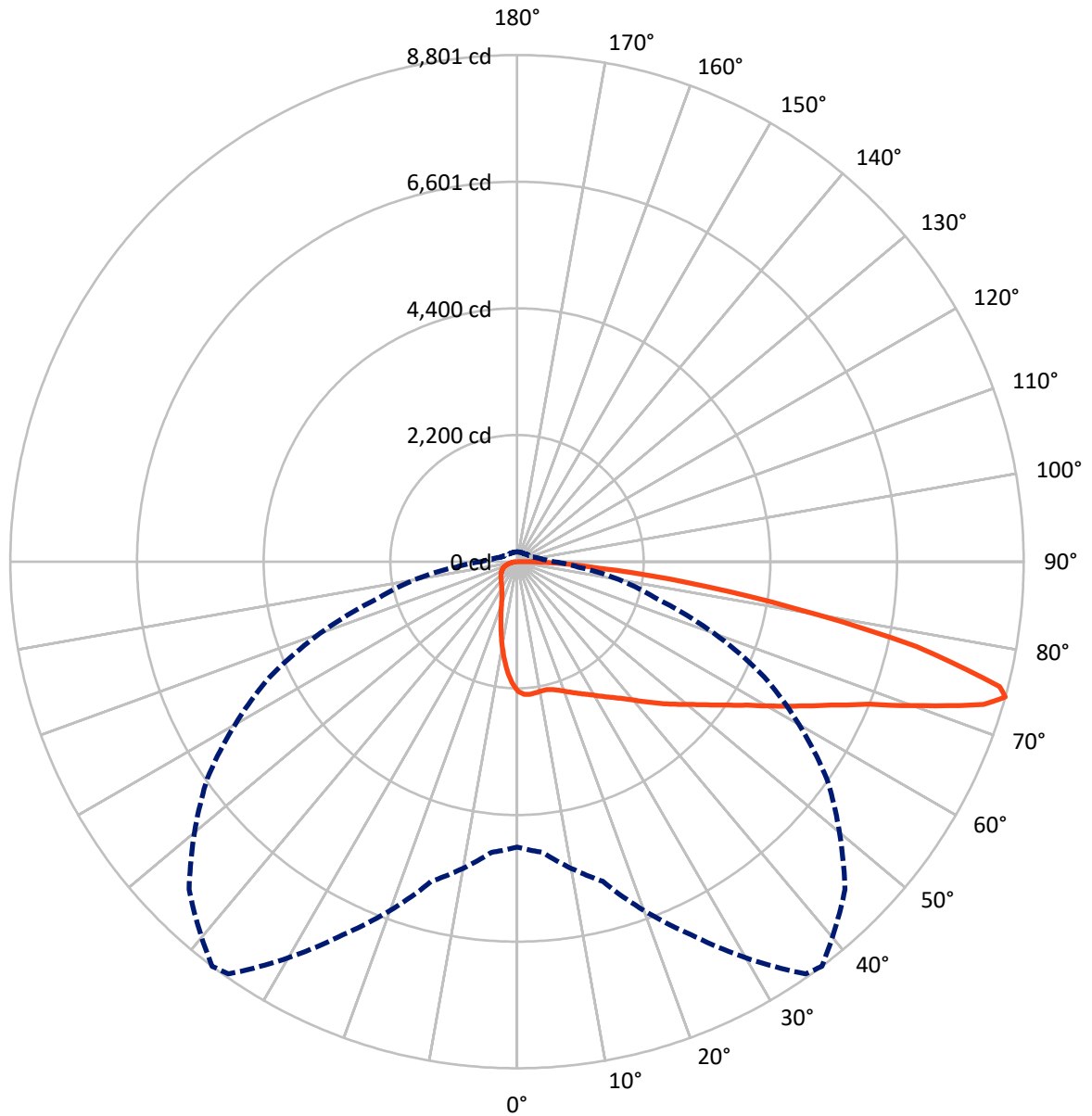
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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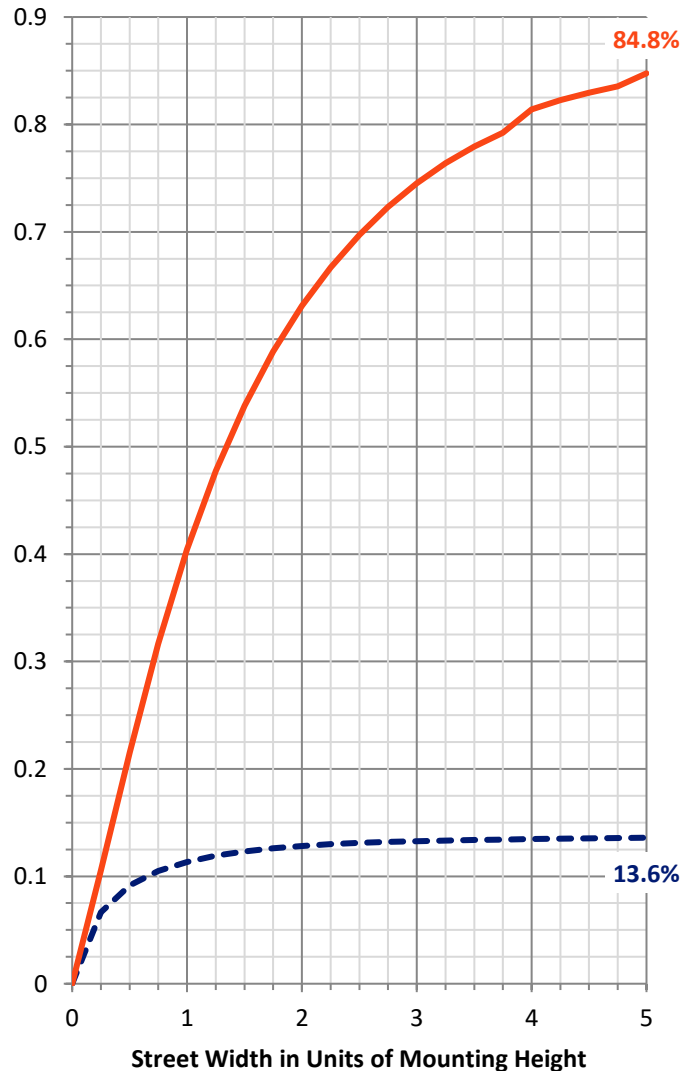
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1757.3	0.0	1757.3
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	11014.7	0.0	11014.7
	% Fixture	86.2	0.0	86.2
Total	Lumens	12772.0	0.0	12772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	1.6
10°-20°	508.0	4.0
20°-30°	782.7	6.1
30°-40°	1138.1	8.9
40°-50°	1675.1	13.1
50°-60°	2352.4	18.4
60°-70°	2977.4	23.3
70°-80°	2621.7	20.5
80°-90°	518.4	4.1
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°	12772.0	100.0
0°-180°	12772.0	100.0

Coefficient of Utilization



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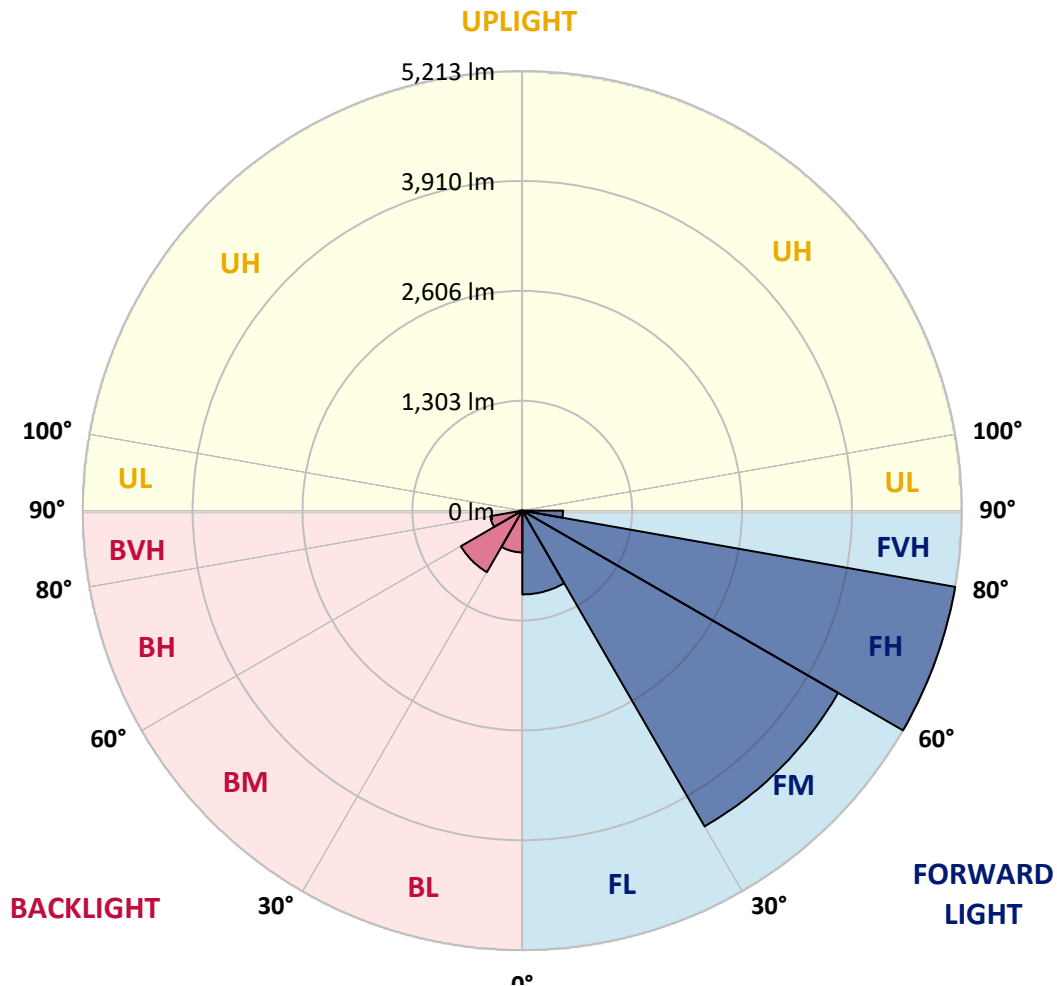
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	993.8	7.8			
FM (30°-60°)	4324.7	33.9			
FH (60°-80°)	5212.9	40.8			G3/7500
FVH (80°-90°)	483.3	3.8			G3/500
BL (0°-30°)	495.0	3.9	B1/500		
BM (30°-60°)	841.0	6.6	B1/1000		
BH (60°-80°)	386.3	3.0	B1/500		G1/500
BVH (80°-90°)	35.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4
2.5°	2327.3	2327.8	2327.3	2323.7	2315.2	2308.0	2302.1	2293.6	2274.7	2260.3	2238.7
5°	2349.4	2346.7	2344.9	2338.1	2324.6	2316.5	2305.3	2289.1	2258.0	2229.2	2194.1
7.5°	2339.0	2335.9	2331.8	2323.7	2308.4	2301.7	2285.9	2264.8	2227.4	2189.6	2139.3
10°	2307.1	2306.2	2304.4	2302.6	2289.5	2284.1	2269.7	2247.2	2210.3	2164.4	2105.5
12.5°	2271.5	2273.8	2281.0	2290.4	2284.6	2281.9	2272.9	2257.6	2219.8	2170.3	2099.2
15°	2249.0	2255.3	2274.7	2299.4	2304.4	2303.5	2301.2	2291.3	2251.3	2196.4	2113.6
17.5°	2241.4	2251.7	2288.6	2329.6	2344.0	2347.1	2348.0	2330.9	2286.4	2228.3	2128.5
20°	2255.3	2268.4	2322.4	2378.6	2401.5	2403.3	2399.3	2369.6	2319.7	2255.8	2136.6
22.5°	2297.6	2309.3	2376.8	2440.2	2466.3	2469.0	2456.9	2411.9	2354.8	2288.2	2147.8
25°	2379.0	2393.4	2460.9	2524.4	2537.9	2538.3	2520.8	2465.0	2400.6	2333.6	2172.1
27.5°	2485.2	2499.6	2560.4	2622.4	2615.2	2611.2	2587.3	2531.6	2460.5	2396.1	2215.3
30°	2603.5	2619.3	2676.9	2721.0	2703.9	2695.8	2676.4	2604.4	2543.7	2481.6	2281.4
32.5°	2725.9	2740.3	2790.7	2820.8	2799.2	2795.7	2766.4	2700.7	2652.1	2612.1	2388.5
35°	2851.4	2861.8	2911.3	2928.4	2899.6	2898.7	2890.6	2830.3	2799.7	2818.6	2544.2
37.5°	2979.7	2982.4	3024.6	3025.5	3017.0	3020.6	3029.1	2991.4	2999.9	3058.8	2746.6
40°	3093.9	3101.1	3131.7	3141.2	3156.0	3168.6	3211.4	3186.6	3252.7	3357.1	2998.6
42.5°	3178.5	3192.5	3241.5	3265.8	3313.9	3333.7	3394.0	3417.0	3550.1	3706.7	3298.2
45°	3250.0	3271.6	3350.4	3400.3	3481.7	3516.4	3602.8	3679.7	3886.2	4086.0	3613.6
47.5°	3327.4	3354.9	3453.4	3548.8	3659.4	3698.6	3855.6	3970.8	4244.8	4467.5	3910.9
50°	3441.3	3462.4	3558.7	3708.5	3846.6	3897.0	4114.3	4279.4	4609.2	4831.0	4168.7
52.5°	3600.1	3592.0	3673.4	3883.5	4068.9	4130.9	4390.5	4607.8	4978.5	5159.9	4386.5
55°	3759.8	3746.3	3803.4	4066.6	4328.0	4393.2	4694.7	4937.6	5329.9	5455.9	4553.4
57.5°	3937.5	3911.8	3960.0	4273.1	4623.1	4701.0	5035.2	5288.1	5675.4	5695.2	4659.6
60°	4120.6	4086.0	4139.9	4529.1	4997.9	5089.7	5433.8	5630.0	6001.2	5886.9	4693.8
62.5°	4280.8	4256.5	4339.7	4814.8	5420.3	5521.1	5825.2	5993.5	6322.4	5966.5	4570.5
65°	4420.7	4424.7	4568.7	5136.0	5891.4	5998.9	6274.2	6441.6	6575.2	5919.3	4282.1
67.5°	4587.6	4610.5	4856.2	5558.9	6484.3	6602.2	6927.5	6930.2	6716.5	5642.1	3714.3
70°	4831.0	4878.2	5251.6	6145.6	7327.4	7489.4	7740.5	7217.2	6518.1	4890.8	2922.5
72.5°	5046.9	5135.1	5672.3	6816.8	8355.0	8477.8	8216.0	7051.7	5688.9	3665.3	1820.7
74°	4959.2	5068.5	5748.8	7147.5	8741.9	8800.9	8055.4	6568.5	4743.2	2538.3	1058.2
75°	4770.2	4889.0	5637.2	7144.3	8692.9	8660.0	7667.6	6016.5	3906.4	1731.2	704.1
77.5°	3849.8	3975.3	4750.0	6123.1	7127.7	7096.7	5890.0	4036.0	1711.0	567.8	357.7
80°	2238.2	2334.1	2948.6	3888.4	4806.2	4862.5	3873.6	1997.1	673.0	319.0	242.5
82.5°	994.3	1060.4	1424.4	1984.9	2900.5	2972.9	2028.6	1046.5	415.7	193.9	145.8
85°	652.3	701.4	864.7	945.2	1381.2	1430.7	992.9	814.8	274.4	106.6	107.1
87.5°	469.2	516.5	642.5	561.0	633.9	600.2	540.3	754.0	110.2	60.7	36.0
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°	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4	2250.4
2.5°	2229.2	2222.0	2205.8	2175.2	2158.1	2143.8	2119.9	2106.0	2099.7	2099.2	2101.9
5°	2173.9	2157.2	2115.4	2064.1	2023.2	1985.8	1939.5	1911.6	1891.8	1880.1	1883.3
7.5°	2109.6	2083.5	2017.8	1935.9	1870.2	1797.8	1726.2	1683.5	1650.2	1625.5	1630.0
10°	2065.5	2029.5	1933.7	1815.8	1706.5	1601.2	1502.7	1443.7	1396.9	1360.9	1363.6
12.5°	2050.6	2002.0	1869.3	1711.9	1558.4	1414.5	1285.8	1195.4	1147.2	1106.3	1109.4
15°	2052.9	1987.6	1815.3	1618.3	1425.3	1244.0	1087.8	982.1	916.9	888.5	889.0
17.5°	2054.7	1971.0	1758.6	1517.9	1293.4	1084.7	915.1	808.0	746.4	720.3	720.7
20°	2048.8	1944.0	1688.5	1402.8	1155.8	938.5	774.3	683.4	636.6	616.4	616.4
22.5°	2041.2	1912.1	1609.3	1287.2	1019.9	811.6	673.5	604.2	577.2	563.7	563.3
25°	2044.8	1888.2	1528.3	1168.4	894.8	710.4	606.5	560.6	542.6	534.0	533.6
27.5°	2064.1	1877.0	1453.6	1050.1	785.5	634.4	561.5	529.1	517.4	512.0	512.0
30°	2099.2	1877.0	1375.8	949.3	694.6	578.1	526.8	504.8	496.7	493.1	493.1
32.5°	2160.4	1887.3	1300.6	849.4	622.2	534.0	498.0	483.2	476.9	475.1	475.1
35°	2265.7	1922.4	1227.3	754.9	563.7	498.0	470.6	462.0	457.5	457.1	458.4
37.5°	2413.7	1993.9	1158.5	685.2	522.3	468.8	447.6	440.9	438.2	440.4	442.2
40°	2599.9	2091.1	1095.9	622.2	490.8	445.4	426.5	422.0	420.7	423.8	426.5
42.5°	2824.9	2222.5	1044.7	576.8	466.5	425.6	408.5	403.1	401.8	405.4	409.0
45°	3068.3	2363.8	1008.7	543.0	447.6	410.8	392.8	386.9	384.2	386.0	390.1
47.5°	3289.6	2497.4	994.3	519.2	429.7	398.2	378.8	371.6	367.1	366.2	369.4
50°	3476.3	2596.8	1001.0	504.8	415.3	384.2	365.3	357.2	350.5	346.4	348.7
52.5°	3612.2	2659.3	1007.3	498.5	404.0	368.9	350.5	342.8	333.8	327.1	327.1
55°	3710.7	2673.7	993.4	493.5	395.5	352.3	333.8	326.6	317.6	310.0	309.1
57.5°	3749.4	2633.2	941.6	486.3	389.6	336.5	316.3	310.9	303.2	294.2	293.8
60°	3697.2	2508.2	841.8	471.0	382.0	323.5	298.7	295.1	291.5	283.0	282.5
62.5°	3487.6	2233.7	712.6	440.0	366.7	309.5	282.5	284.3	284.8	278.9	278.0
65°	3107.4	1856.7	586.7	399.5	343.7	292.9	265.9	274.4	279.4	278.5	277.1
67.5°	2555.0	1445.1	497.1	356.8	313.6	269.9	247.9	257.8	261.8	265.0	264.1
70°	1896.3	1019.0	411.2	311.8	277.1	242.9	224.5	229.4	226.7	230.3	231.7
72.5°	1057.3	611.4	335.2	266.8	239.3	211.5	198.4	197.5	191.7	191.7	191.7
74°	634.4	448.5	294.7	238.9	216.4	190.8	179.5	175.5	170.1	170.5	170.1
75°	510.2	385.6	270.4	220.4	200.2	178.6	167.4	162.0	157.9	157.9	157.5
77.5°	322.1	292.9	217.7	175.5	160.2	147.1	139.5	132.3	132.3	131.8	131.4
80°	243.4	233.0	169.6	132.7	122.8	112.9	108.0	104.8	104.8	106.2	105.7
82.5°	166.9	175.5	119.2	92.7	87.7	80.5	79.6	80.1	78.7	76.9	76.5
85°	121.9	131.8	80.5	58.5	53.5	49.0	52.6	54.4	52.2	48.1	46.3
87.5°	46.8	86.4	43.2	24.3	22.5	19.3	22.5	23.4	25.2	19.8	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

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