

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: P386611

Luminaire Tested: **GWC-SA2B-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2B-740-U-SL3
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11927 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

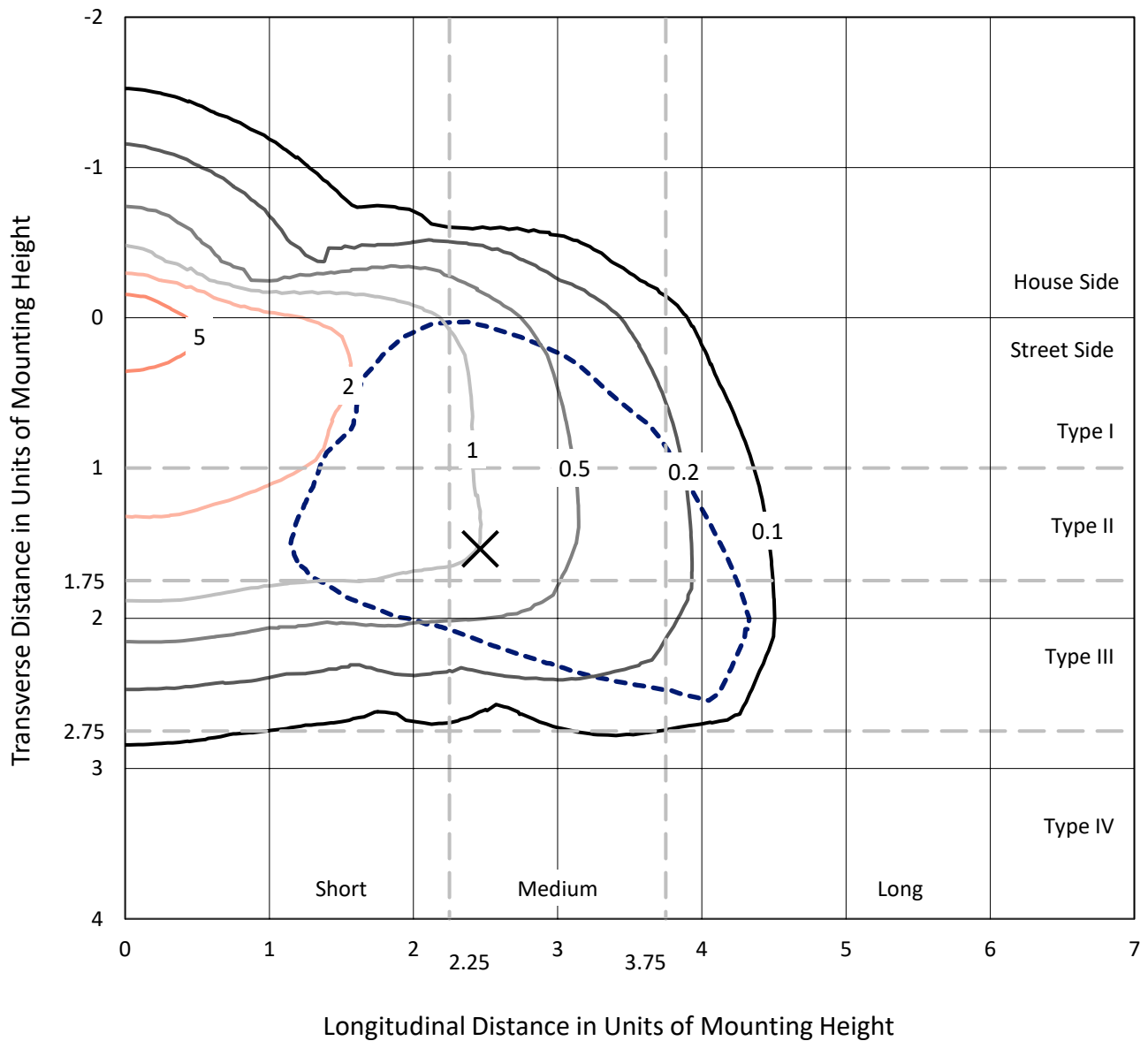
Input Watts (W): 86
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P386611
 CATALOG NUMBER: GWC-SA2B-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

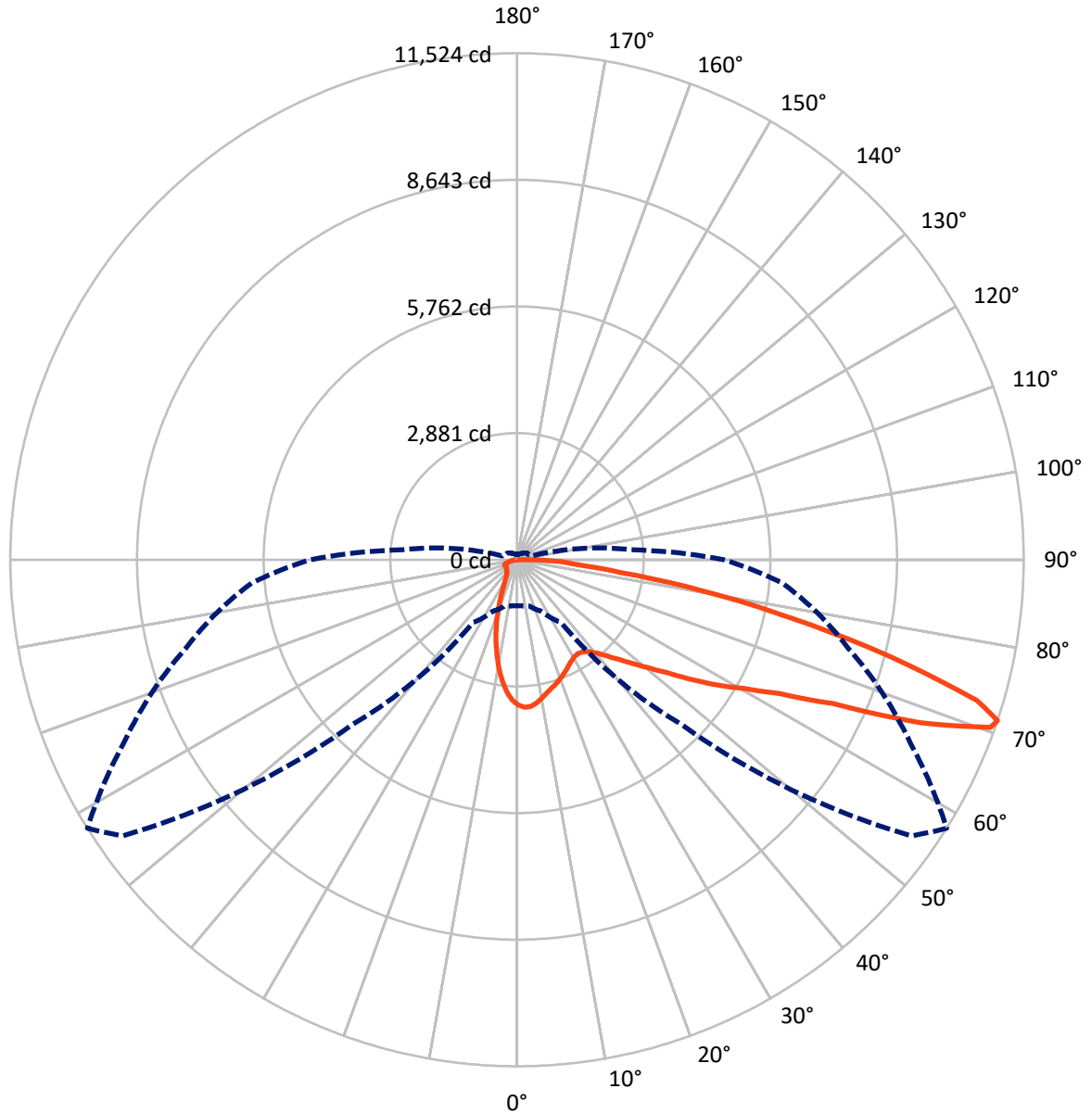
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P386611
CATALOG NUMBER: GWC-SA2B-740-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P386611

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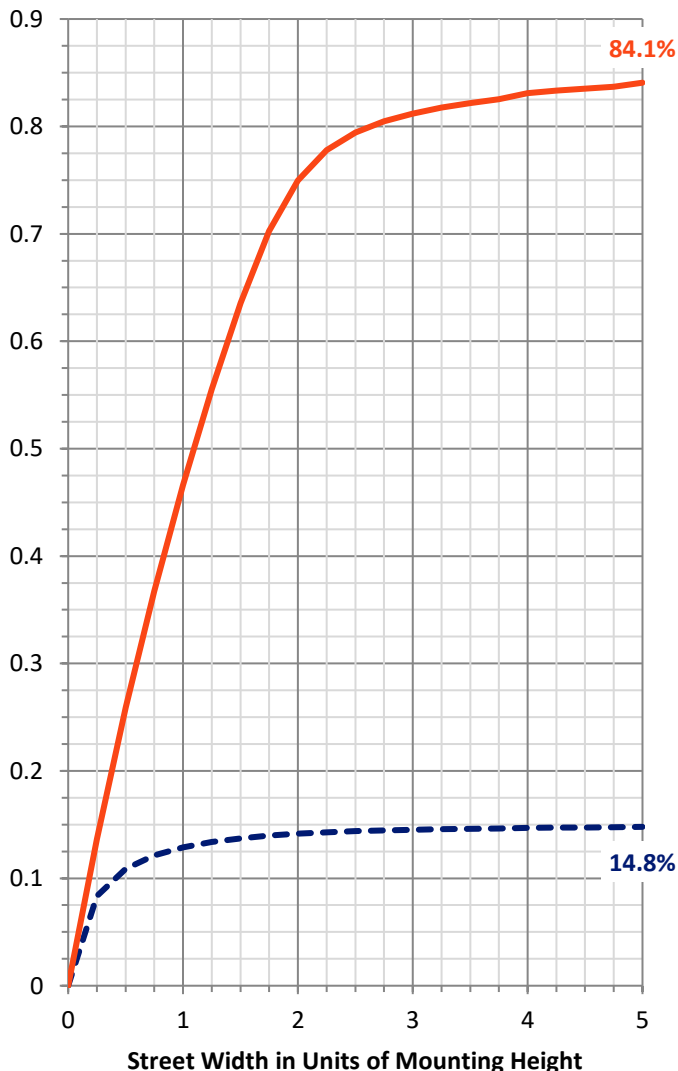
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1783.2	0.0	1783.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	10143.8	0.0	10143.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	11927.0	0.0	11927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	2.4
10°-20°	633.9	5.3
20°-30°	805.6	6.8
30°-40°	1026.2	8.6
40°-50°	1455.3	12.2
50°-60°	2252.1	18.9
60°-70°	3065.9	25.7
70°-80°	2045.3	17.1
80°-90°	357.6	3.0
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°	11927.0	100.0
0°-180°	11927.0	100.0

Coefficient of Utilization



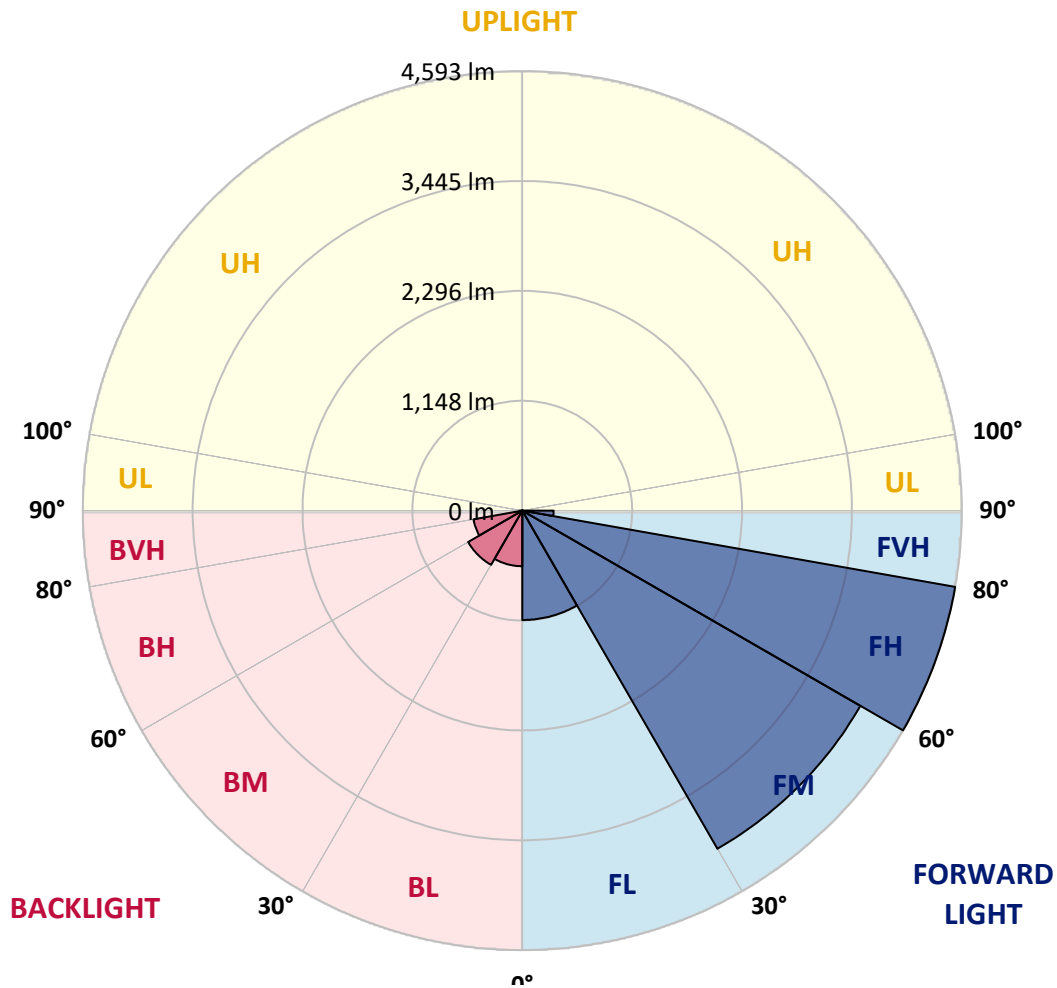
REPORT NUMBER: P386611

CATALOG NUMBER: GWC-SA2B-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.4	9.6			
FM (30°-60°)	4079.6	34.2			
FH (60°-80°)	4592.9	38.5			G2/5000
FVH (80°-90°)	327.9	2.7			G3/500
BL (0°-30°)	581.3	4.9	B2/1000		
BM (30°-60°)	653.9	5.5	B1/1000		
BH (60°-80°)	518.3	4.3	B2/1000		G2/1000
BVH (80°-90°)	29.7	0.2			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 III Medium





REPORT NUMBER: P386611

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6
2.5°	3392.2	3387.7	3389.3	3386.0	3378.1	3370.2	3358.6	3360.7	3344.5	3320.4	3290.5
5°	3328.3	3326.6	3339.1	3346.1	3351.9	3347.4	3344.0	3348.2	3324.5	3291.3	3239.3
7.5°	3194.1	3175.8	3191.6	3215.3	3237.7	3254.7	3277.2	3280.1	3265.1	3230.2	3162.1
10°	3003.4	2985.9	3009.2	3046.2	3091.0	3131.7	3177.0	3185.3	3188.2	3156.7	3074.0
12.5°	2805.6	2792.3	2815.6	2867.5	2941.9	3004.6	3076.9	3089.4	3115.1	3093.9	2992.6
15°	2628.6	2623.6	2651.9	2703.0	2788.6	2884.5	2988.8	3011.7	3055.3	3048.2	2929.0
17.5°	2475.7	2474.5	2496.1	2549.7	2644.4	2765.7	2901.2	2939.8	3004.6	3012.9	2876.7
20°	2361.9	2359.4	2374.4	2413.8	2511.5	2649.0	2806.4	2859.6	2953.1	2982.2	2822.6
22.5°	2300.8	2300.4	2300.8	2319.5	2399.3	2527.2	2714.2	2779.0	2902.8	2957.7	2762.8
25°	2290.4	2289.2	2280.0	2278.0	2323.3	2425.5	2622.8	2694.3	2855.0	2940.6	2705.9
27.5°	2317.4	2319.1	2307.1	2287.5	2296.7	2358.6	2543.5	2619.9	2816.8	2937.3	2666.4
30°	2373.5	2372.7	2362.3	2342.0	2324.1	2333.6	2486.9	2563.4	2791.1	2951.8	2639.4
32.5°	2435.4	2440.0	2437.9	2426.7	2400.1	2361.9	2469.9	2544.7	2783.6	2986.7	2627.8
35°	2509.8	2514.8	2529.7	2538.5	2507.3	2445.8	2506.5	2571.3	2805.2	3052.4	2646.5
37.5°	2580.4	2593.3	2635.3	2672.2	2645.7	2577.1	2603.7	2649.8	2872.1	3155.8	2696.8
40°	2661.9	2673.1	2741.6	2820.1	2816.0	2745.0	2760.3	2791.1	2990.1	3304.2	2787.7
42.5°	2742.0	2764.5	2863.8	2975.1	3007.1	2944.4	2968.9	2985.1	3156.3	3500.7	2946.4
45°	2848.8	2872.9	3010.8	3145.0	3219.8	3184.5	3223.6	3229.8	3365.2	3768.2	3177.0
47.5°	3010.4	3037.9	3198.6	3339.5	3453.7	3457.5	3521.9	3519.4	3626.1	4074.4	3467.4
50°	3262.2	3301.7	3433.4	3565.1	3703.8	3781.1	3867.1	3855.1	3939.0	4400.6	3801.9
52.5°	3592.1	3610.4	3708.0	3805.2	3977.6	4150.9	4274.3	4263.5	4293.8	4735.8	4181.6
55°	3934.0	3947.7	3988.0	4041.2	4273.0	4555.5	4816.4	4799.4	4722.5	5084.0	4556.8
57.5°	4241.4	4269.3	4297.1	4319.1	4570.5	4978.5	5371.1	5372.3	5187.9	5459.6	4944.4
60°	4289.2	4313.7	4497.8	4671.4	5079.4	5542.7	5964.8	5952.3	5669.4	5867.1	5376.5
62.5°	3791.5	3846.8	4154.2	4616.2	5569.7	6574.7	6722.2	6706.8	6245.2	6369.4	5879.6
65°	2717.1	2779.8	3150.9	3845.1	5332.0	7711.8	8089.0	7882.1	7030.4	6987.2	6468.7
67.5°	1567.5	1582.5	1743.3	2300.8	4059.9	7771.2	10174.2	9884.6	8249.8	7688.1	6757.1
70°	1159.1	1158.7	1196.9	1415.9	2197.0	6342.4	11165.9	11425.6	9533.6	7918.7	6349.5
71°	1048.2	1049.5	1092.2	1288.8	1740.0	5308.8	10955.3	11523.6	9871.8	7804.8	6054.5
72.5°	896.6	900.7	960.1	1155.8	1463.7	3661.0	10047.9	10935.3	10032.1	7524.0	5592.9
75°	680.1	689.7	771.9	974.3	1337.8	1856.7	7374.4	8732.2	8912.1	6639.1	4155.9
77.5°	485.3	496.1	589.1	819.3	1271.7	1399.3	4938.6	6369.4	6558.5	4254.7	1874.6
80°	306.6	319.5	389.7	651.9	1194.9	1328.6	3103.5	4281.3	3576.3	1361.5	476.9
82.5°	179.9	189.9	241.8	425.8	975.9	1279.6	1826.0	2373.1	1391.8	411.3	216.9
85°	104.3	108.9	150.8	271.3	708.8	1207.7	1341.5	1326.6	604.1	201.1	102.6
87.5°	48.6	54.0	89.3	141.7	393.4	875.4	1060.3	916.1	375.6	94.3	48.2
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°	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6	3304.6
2.5°	3275.9	3268.8	3239.3	3213.2	3185.8	3150.0	3110.6	3105.6	3081.5	3086.0	3077.7
5°	3211.1	3193.2	3122.2	3057.8	2981.8	2913.6	2839.7	2805.6	2756.6	2753.3	2740.8
7.5°	3118.4	3085.2	2975.1	2853.0	2730.8	2614.5	2499.4	2423.8	2346.5	2313.7	2310.8
10°	3014.2	2957.7	2795.6	2614.9	2438.8	2268.8	2104.3	1982.6	1872.9	1821.0	1818.9
12.5°	2915.3	2831.8	2609.5	2363.6	2122.6	1902.4	1676.8	1516.8	1379.3	1333.2	1313.7
15°	2831.4	2713.8	2428.4	2113.9	1821.4	1515.6	1258.8	1090.6	963.5	919.4	911.1
17.5°	2749.9	2598.7	2242.7	1861.7	1508.1	1172.0	914.8	789.8	722.1	704.2	703.8
20°	2668.9	2480.3	2048.6	1603.7	1205.3	876.6	703.4	647.3	624.4	622.4	619.0
22.5°	2577.1	2354.8	1844.6	1344.8	940.6	689.2	597.8	575.4	572.5	580.0	580.0
25°	2491.1	2230.2	1637.7	1091.4	731.6	575.0	533.9	529.3	537.2	550.5	551.7
27.5°	2410.9	2110.1	1435.8	866.2	586.2	506.4	489.4	494.8	508.9	524.3	524.7
30°	2344.9	1996.7	1239.7	682.6	495.2	455.3	452.4	463.2	478.6	490.7	493.6
32.5°	2293.8	1899.9	1050.3	548.8	435.8	417.1	419.6	428.8	438.3	445.0	449.5
35°	2270.1	1816.8	875.4	462.8	398.0	387.6	390.9	395.9	400.1	405.1	408.8
37.5°	2274.2	1752.4	719.2	409.2	372.7	367.3	367.3	367.3	367.3	369.8	370.2
40°	2312.9	1715.4	592.0	375.2	355.6	349.8	345.2	341.1	337.8	339.4	338.6
42.5°	2411.8	1712.1	499.0	353.6	341.9	332.4	323.2	317.4	313.3	314.9	315.8
45°	2579.6	1753.7	436.2	338.2	329.0	314.5	302.9	296.6	293.7	299.1	300.0
47.5°	2796.9	1844.2	398.0	327.0	317.0	297.9	285.4	279.6	280.4	288.3	290.4
50°	3076.9	1991.3	379.7	319.9	308.7	283.8	270.9	265.9	268.4	279.6	282.1
52.5°	3384.3	2203.2	381.8	317.8	303.3	273.4	259.7	253.8	258.0	268.4	270.5
55°	3739.1	2457.9	416.3	320.7	295.4	266.7	250.5	240.6	243.9	253.4	255.1
57.5°	4133.4	2749.5	485.7	319.9	285.4	260.5	241.0	226.0	228.5	234.3	236.0
60°	4543.9	3101.8	593.3	322.4	280.9	253.0	228.1	209.4	208.6	213.5	214.4
62.5°	5036.6	3509.4	716.3	324.1	283.8	243.5	211.1	192.8	190.3	191.5	192.4
65°	5544.3	3804.4	670.1	317.4	292.9	235.6	196.1	176.6	172.0	171.2	171.6
67.5°	5560.1	3488.2	469.9	304.1	296.6	231.4	184.9	162.9	155.4	152.5	152.1
70°	4986.4	2833.9	366.0	290.0	281.7	224.8	174.5	151.6	140.4	135.9	135.4
71°	4706.3	2608.7	346.9	282.9	270.5	218.1	169.9	146.7	135.0	130.0	129.2
72.5°	4267.2	2338.6	323.6	271.7	248.9	201.1	161.2	139.6	127.5	121.7	120.5
75°	3062.4	1529.3	277.9	242.2	206.1	160.4	141.3	125.5	115.1	108.0	107.2
77.5°	1179.9	608.7	210.2	201.5	157.9	125.5	116.3	108.4	101.0	93.9	93.5
80°	364.8	272.1	153.3	151.6	114.3	93.5	90.6	88.5	85.6	78.1	76.4
82.5°	194.9	156.2	105.5	98.0	74.8	62.3	65.6	66.5	66.9	59.0	58.2
85°	93.1	82.7	59.4	55.7	43.6	34.9	40.3	43.6	44.0	36.1	33.7
87.5°	44.5	43.2	27.8	21.2	16.2	11.6	14.1	17.4	19.1	13.7	12.0
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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