

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: P386778

Luminaire Tested: **GWC-SA2C-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2C-727-U-SL3-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10547 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

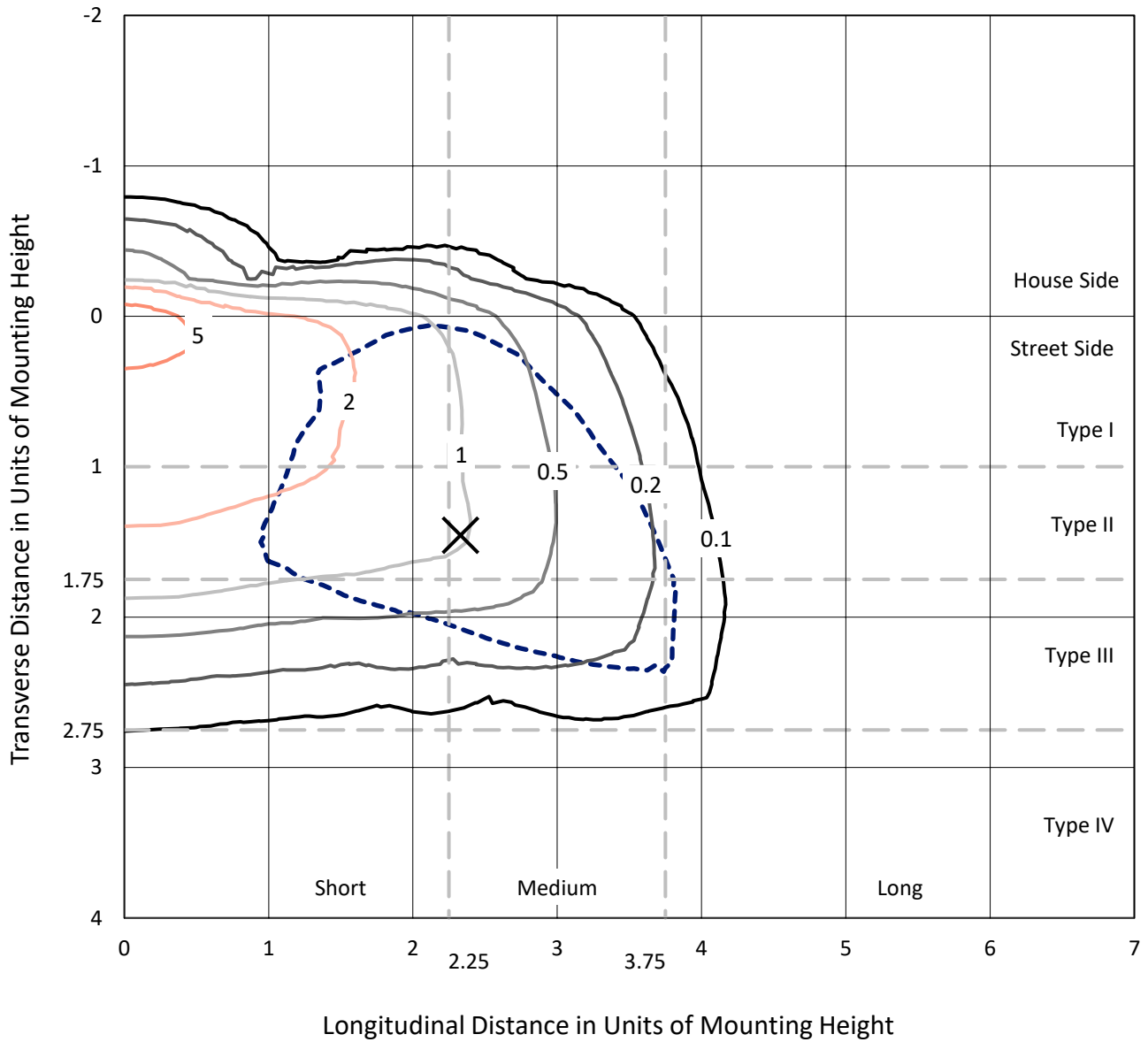
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

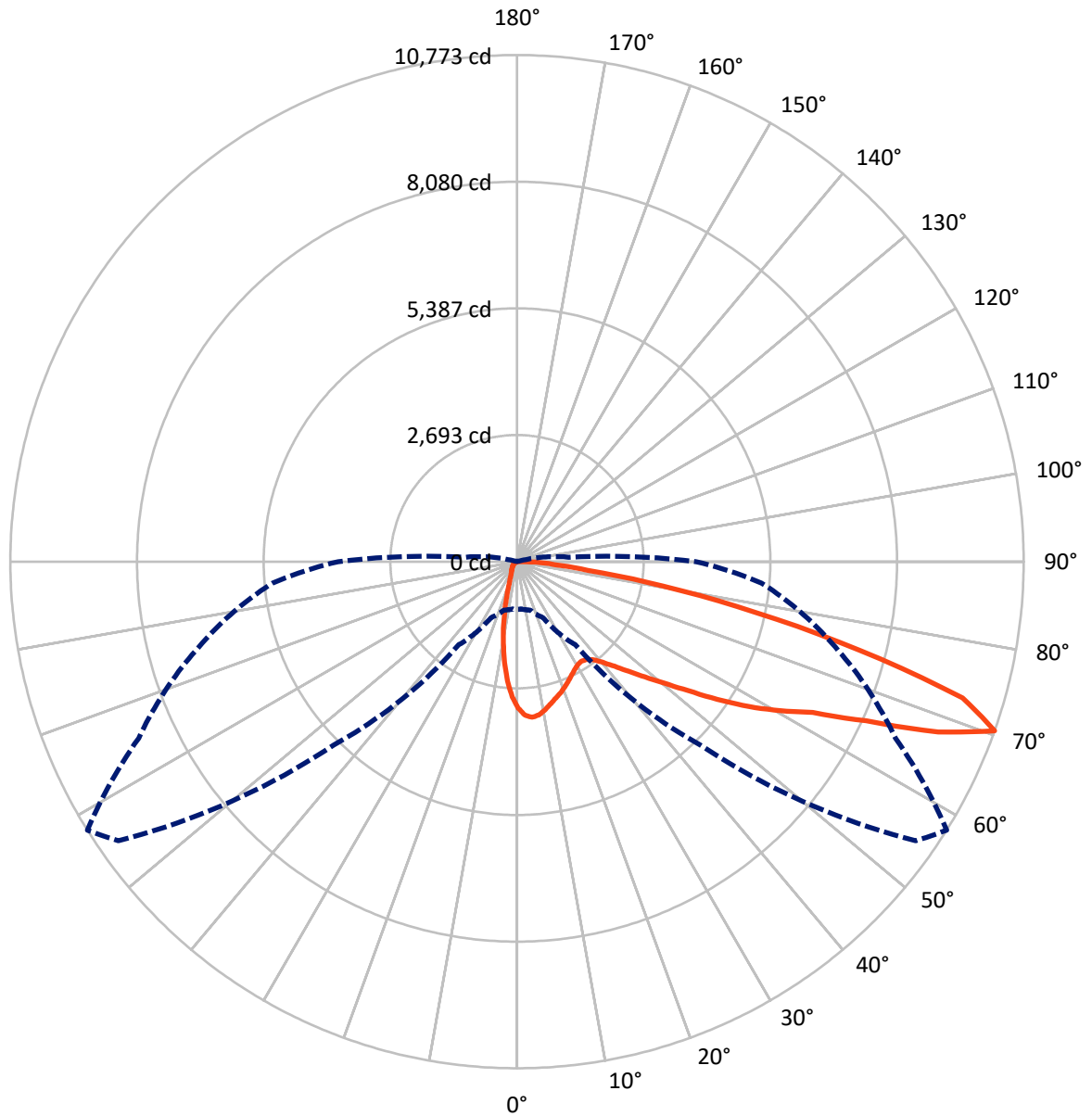
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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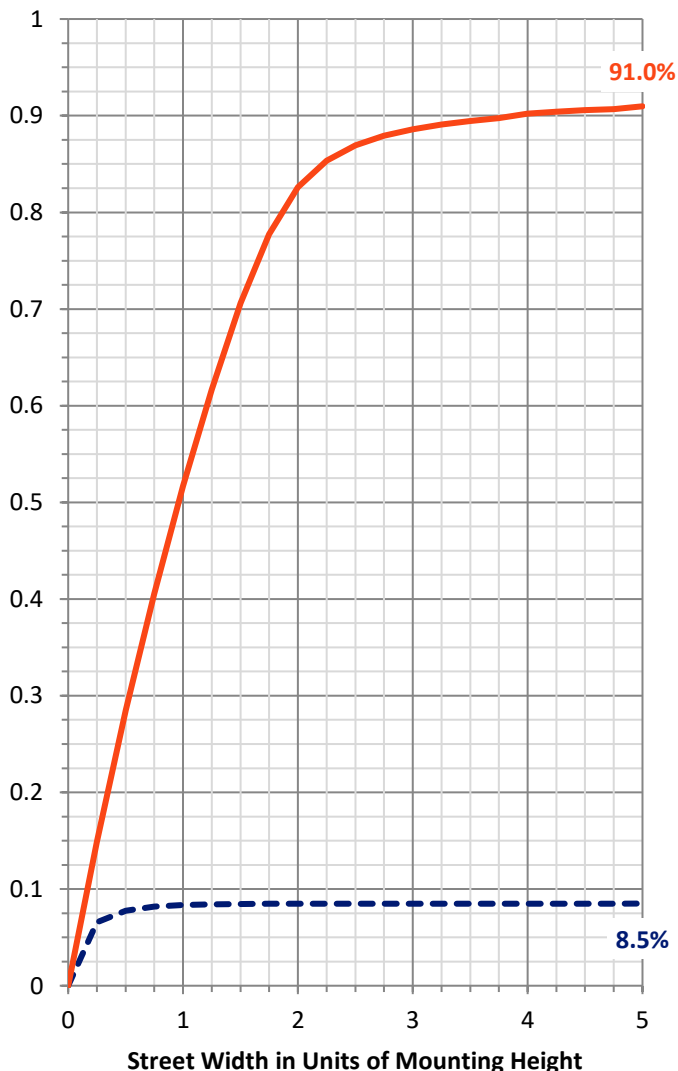
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	902.6	0.0	902.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	9644.4	0.0	9644.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	10547.0	0.0	10547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	2.4
10°-20°	534.7	5.1
20°-30°	703.0	6.7
30°-40°	931.0	8.8
40°-50°	1391.5	13.2
50°-60°	2229.2	21.1
60°-70°	2809.9	26.6
70°-80°	1515.6	14.4
80°-90°	177.4	1.7
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°	10547.0	100.0
0°-180°	10547.0	100.0

Coefficient of Utilization



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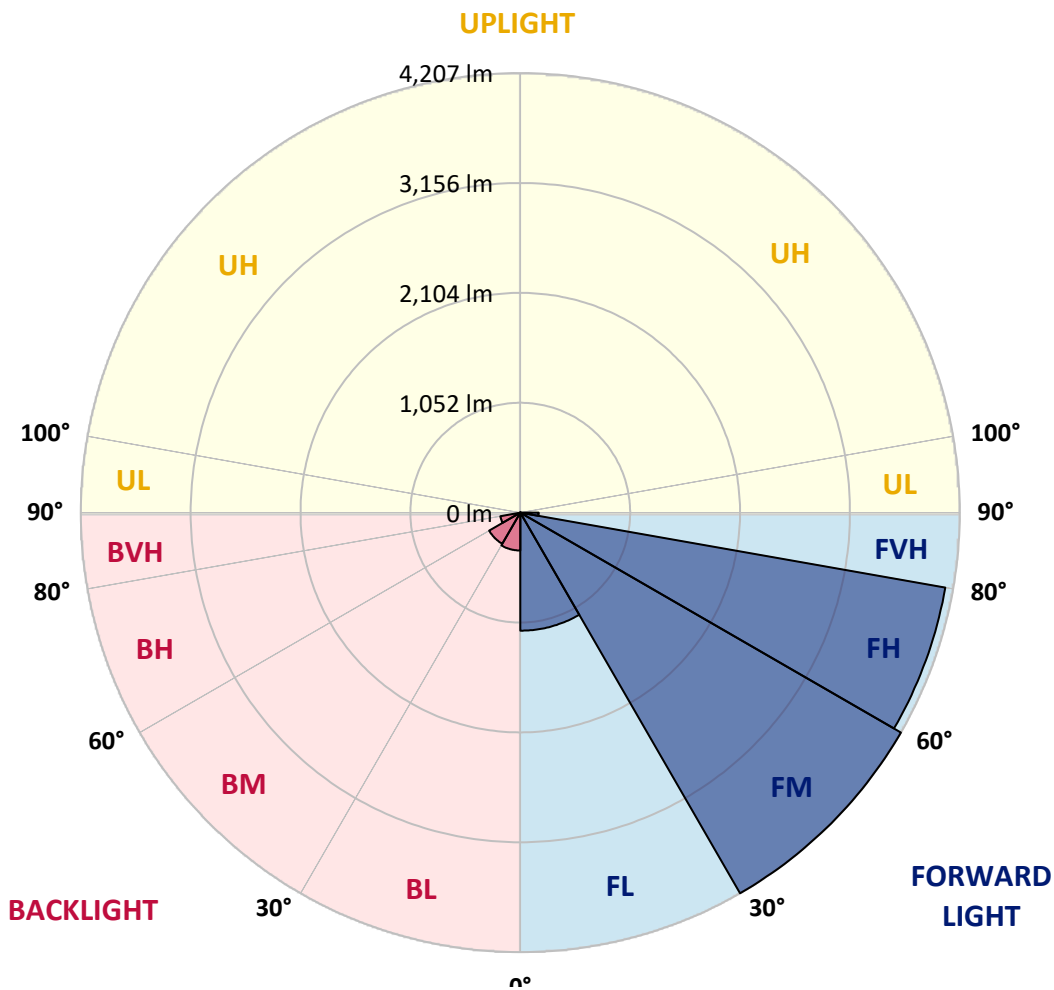
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1129.8	10.7			
FM (30°-60°)	4207.4	39.9			
FH (60°-80°)	4131.4	39.2			G2/5000
FVH (80°-90°)	175.9	1.7			G2/225
BL (0°-30°)	362.6	3.4	B1/500		
BM (30°-60°)	344.3	3.3	B1/1000		
BH (60°-80°)	194.1	1.8	B1/500		G1/500
BVH (80°-90°)	1.5	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5
2.5°	3373.8	3365.5	3362.4	3357.2	3337.0	3317.3	3278.2	3267.3	3242.7	3184.4	3122.6
5°	3376.5	3376.0	3385.2	3383.1	3376.0	3366.8	3338.8	3324.3	3282.6	3199.3	3086.2
7.5°	3213.8	3222.1	3242.7	3259.4	3278.7	3303.7	3307.2	3293.2	3258.9	3169.0	3019.1
10°	2995.4	3008.5	3037.5	3070.4	3120.8	3170.8	3215.5	3213.8	3201.9	3113.3	2938.4
12.5°	2776.5	2791.9	2825.2	2873.9	2945.4	3026.9	3106.8	3117.7	3137.5	3063.3	2863.8
15°	2584.9	2598.0	2630.9	2690.6	2779.2	2888.8	3005.9	3026.1	3076.9	3024.3	2801.5
17.5°	2422.2	2430.5	2454.6	2520.8	2623.5	2756.4	2908.5	2948.0	3023.9	2993.6	2747.6
20°	2308.6	2309.9	2325.7	2372.2	2474.8	2623.5	2807.7	2864.2	2967.7	2967.3	2691.9
22.5°	2252.4	2248.1	2251.1	2277.9	2353.3	2496.7	2706.8	2773.9	2917.3	2944.9	2635.3
25°	2241.9	2238.4	2229.6	2233.2	2278.8	2385.8	2605.0	2682.7	2873.0	2931.3	2586.2
27.5°	2274.8	2278.3	2263.4	2247.6	2251.1	2313.8	2514.7	2604.6	2837.0	2931.3	2551.5
30°	2341.0	2342.8	2331.8	2311.2	2283.6	2293.7	2452.0	2541.9	2819.1	2951.5	2529.6
32.5°	2414.3	2423.9	2422.6	2405.9	2366.5	2325.7	2437.1	2519.1	2817.8	2996.2	2527.4
35°	2505.1	2516.0	2534.4	2530.9	2489.7	2422.6	2488.0	2552.4	2843.6	3069.9	2551.1
37.5°	2601.5	2618.2	2657.7	2676.5	2649.8	2573.9	2602.0	2648.0	2912.9	3189.2	2611.2
40°	2695.0	2713.8	2785.7	2859.9	2839.7	2761.6	2774.8	2811.6	3036.2	3360.7	2725.2
42.5°	2786.6	2814.7	2920.4	3042.3	3066.4	3004.1	3011.2	3040.5	3219.0	3596.6	2911.6
45°	2896.3	2927.8	3084.4	3234.8	3299.3	3272.1	3301.9	3321.2	3458.0	3908.5	3162.9
47.5°	3057.2	3093.6	3285.7	3457.2	3570.3	3587.9	3647.9	3660.7	3760.2	4271.6	3490.5
50°	3371.2	3381.3	3555.0	3710.7	3873.8	3979.1	4047.5	4057.1	4126.0	4668.5	3899.7
52.5°	3766.4	3772.9	3871.2	3975.6	4161.1	4376.0	4536.0	4549.6	4564.1	5055.3	4303.6
55°	4158.9	4158.0	4222.9	4284.3	4496.6	4808.8	5156.2	5164.5	5060.5	5422.4	4612.3
57.5°	4404.0	4427.7	4526.4	4605.3	4901.8	5302.2	5784.2	5814.9	5582.0	5694.3	4917.6
60°	4326.0	4337.4	4556.2	4848.3	5406.6	6003.5	6419.6	6427.5	5974.1	5965.7	5303.5
62.5°	3685.7	3691.8	4035.6	4637.8	5662.3	6913.0	7186.3	7057.8	6424.9	6342.5	5765.3
65°	2526.1	2566.0	2853.3	3597.5	5192.6	7483.6	8373.0	8160.3	7112.1	6885.4	6182.8
67.5°	1487.6	1479.3	1621.4	2169.6	3813.7	7104.7	9874.2	9662.8	8049.3	7249.0	6060.5
70°	1016.1	1010.4	1064.8	1313.5	2152.9	5511.4	10346.5	10773.2	8876.9	7004.2	5215.8
72.5°	725.4	728.4	808.7	1020.5	1351.6	3211.1	8897.5	9907.5	8617.7	6106.1	3964.6
75°	492.5	500.8	615.7	837.2	1185.0	1633.6	6314.0	7531.4	7017.4	4437.8	2278.8
77.5°	264.9	274.1	409.6	674.5	1071.4	1135.0	4061.5	5183.3	4408.0	1995.0	660.5
80°	110.5	115.8	191.7	490.3	925.8	996.8	2389.7	3143.2	1878.4	393.4	147.4
82.5°	47.8	50.4	79.8	292.5	692.0	841.6	1265.2	1512.2	569.3	86.4	74.1
85°	9.2	9.6	32.9	154.8	441.6	475.0	820.1	803.9	255.7	37.3	53.9
87.5°	0.0	0.0	7.9	48.7	129.8	258.8	500.4	494.3	86.8	18.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5	3115.5
2.5°	3091.0	3060.7	2997.1	2918.6	2858.5	2792.3	2739.7	2673.0	2644.1	2645.4	2629.6
5°	3021.7	2959.4	2818.6	2641.0	2504.2	2363.0	2241.5	2120.4	2049.0	2025.7	2003.8
7.5°	2922.6	2823.9	2599.3	2325.7	2094.1	1867.8	1670.9	1497.7	1388.0	1334.5	1314.8
10°	2810.7	2672.1	2347.2	1986.7	1656.0	1349.9	1094.6	872.7	784.1	724.1	708.7
12.5°	2712.5	2524.8	2100.7	1638.9	1246.4	877.1	633.7	495.6	435.5	411.8	407.9
15°	2620.0	2387.1	1863.4	1324.0	863.1	539.9	403.0	356.1	342.1	338.1	338.1
17.5°	2532.7	2256.0	1631.4	1014.0	571.0	378.5	333.7	323.2	318.8	318.4	318.8
20°	2441.5	2124.8	1403.4	742.9	398.7	320.6	308.3	302.6	301.3	301.3	301.3
22.5°	2354.2	1993.7	1181.5	530.7	319.7	292.5	286.4	282.4	281.1	280.7	279.8
25°	2270.4	1869.1	964.8	375.0	280.7	268.0	262.7	257.4	253.5	251.3	250.0
27.5°	2201.6	1758.2	763.1	300.9	253.5	242.5	235.9	228.1	218.4	214.0	212.3
30°	2146.8	1656.9	588.1	253.9	228.1	217.1	207.0	193.4	179.4	171.9	171.5
32.5°	2103.8	1557.3	446.5	224.5	205.2	191.7	177.2	160.1	143.8	135.5	135.1
35°	2082.7	1469.6	341.2	203.1	185.1	168.0	150.0	131.1	115.3	107.4	106.6
37.5°	2096.8	1395.5	266.2	185.1	168.0	148.2	127.2	107.4	93.4	86.4	86.0
40°	2148.1	1348.1	216.2	169.7	153.5	129.4	106.6	88.2	76.3	70.6	70.2
42.5°	2257.3	1330.6	184.6	157.0	139.5	111.8	88.6	72.8	61.8	57.9	57.0
45°	2439.7	1356.5	163.1	144.7	125.0	95.2	73.2	59.6	50.0	46.9	46.5
47.5°	2682.7	1424.4	147.8	132.9	111.8	80.3	61.0	48.2	40.8	37.7	37.3
50°	2995.8	1532.3	135.1	121.0	99.6	68.0	50.4	38.2	31.6	29.4	29.4
52.5°	3336.6	1660.8	123.7	110.1	87.3	56.6	40.8	29.4	25.0	22.4	22.4
55°	3618.1	1773.1	111.4	101.7	72.4	46.9	31.1	22.4	18.4	17.1	17.1
57.5°	3899.2	1892.8	97.4	87.3	57.9	38.2	23.7	16.7	13.6	12.7	12.7
60°	4263.7	2039.3	83.8	71.0	45.6	28.9	17.5	11.8	10.1	9.6	9.6
62.5°	4664.5	2125.3	71.5	57.0	35.5	21.5	12.7	7.9	7.5	7.5	7.0
65°	4909.7	2003.8	60.1	45.6	27.6	16.2	8.3	5.7	6.6	6.1	5.3
67.5°	4597.0	1568.7	49.1	35.5	21.5	12.3	5.3	3.9	7.0	5.7	4.4
70°	3806.3	1098.2	38.2	25.0	17.1	10.5	3.5	2.6	7.5	5.7	3.5
72.5°	2848.5	735.0	30.3	16.7	12.7	9.2	3.1	1.3	6.6	4.8	3.1
75°	1556.5	296.0	24.1	10.5	7.9	6.6	2.2	0.9	4.4	3.5	2.2
77.5°	409.6	78.1	17.5	7.0	4.4	2.6	1.3	0.4	2.2	1.8	0.9
80°	104.4	30.3	11.4	4.8	3.1	1.3	0.0	0.0	0.4	0.0	0.0
82.5°	55.7	12.7	7.0	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	42.1	8.3	3.9	2.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.2	2.6	1.3	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

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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