

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: P385956

Luminaire Tested: **GWC-SA1C-735-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385956
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-735-U-T4W-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 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: 5144.1 lumens
Efficiency: N/A
Efficacy: 87.2 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

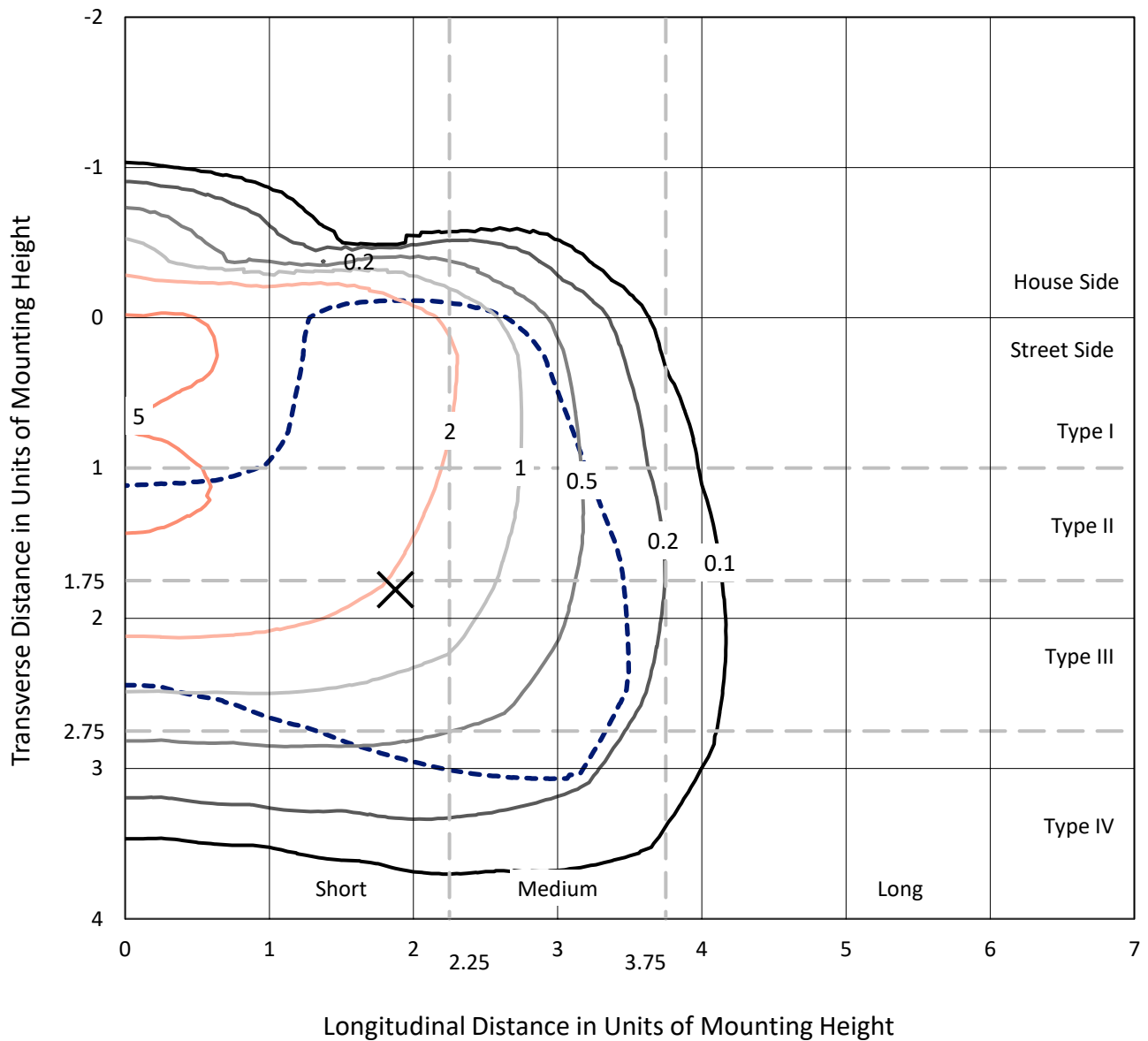
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

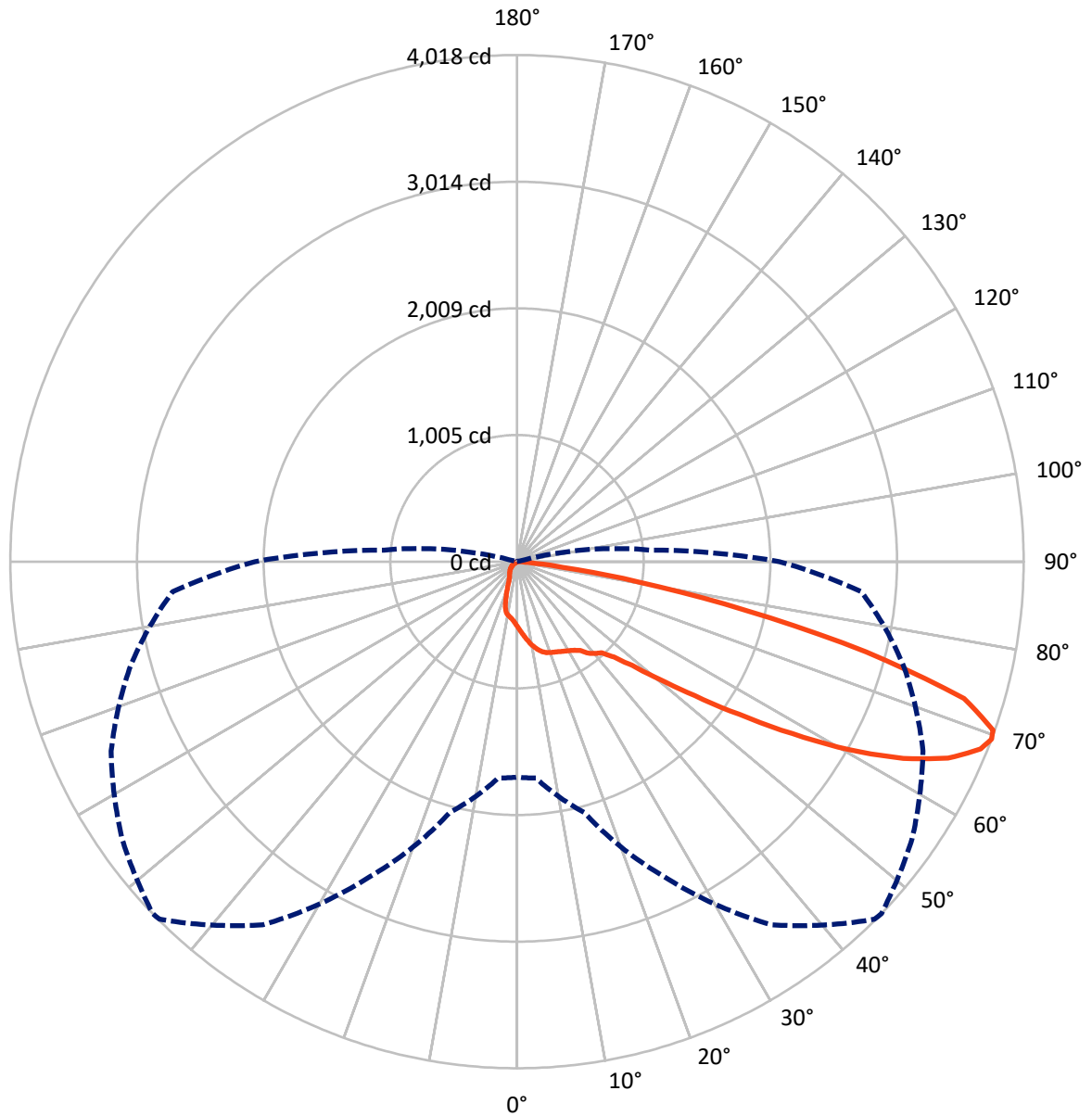
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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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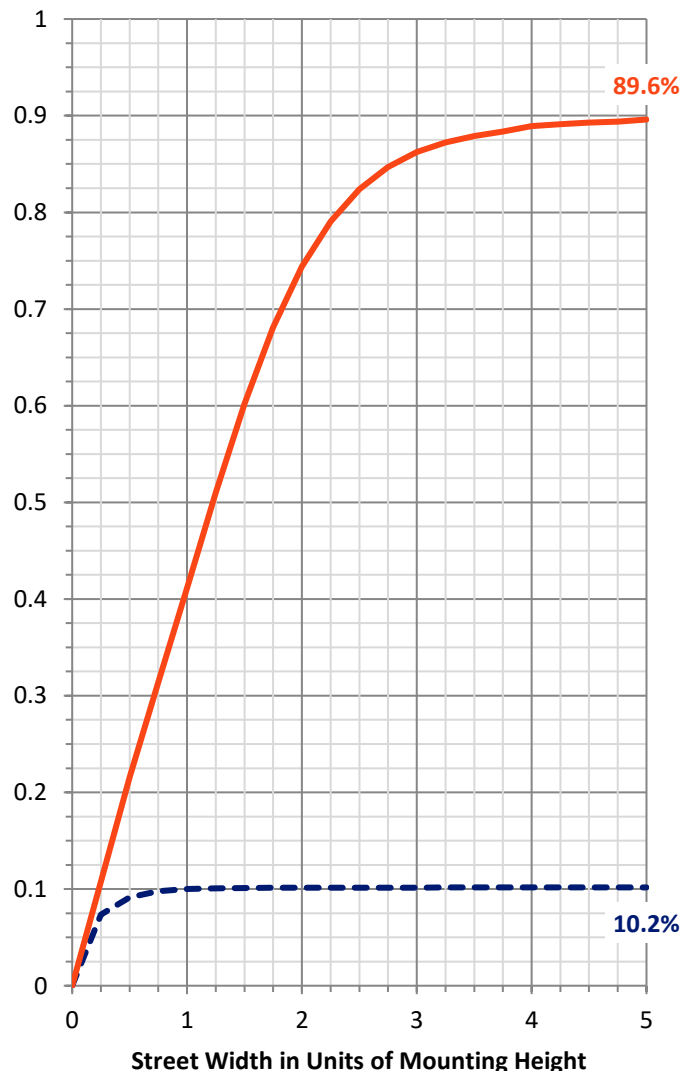
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	527.9	0.0	527.9
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	4616.2	0.0	4616.2
	% Fixture	89.7	0.0	89.7
Total	Lumens	5144.1	0.0	5144.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.0
10°-20°	155.6	3.0
20°-30°	244.8	4.8
30°-40°	351.0	6.8
40°-50°	606.7	11.8
50°-60°	1198.5	23.3
60°-70°	1675.0	32.6
70°-80°	809.2	15.7
80°-90°	52.0	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°	5144.1	100.0
0°-180°	5144.1	100.0



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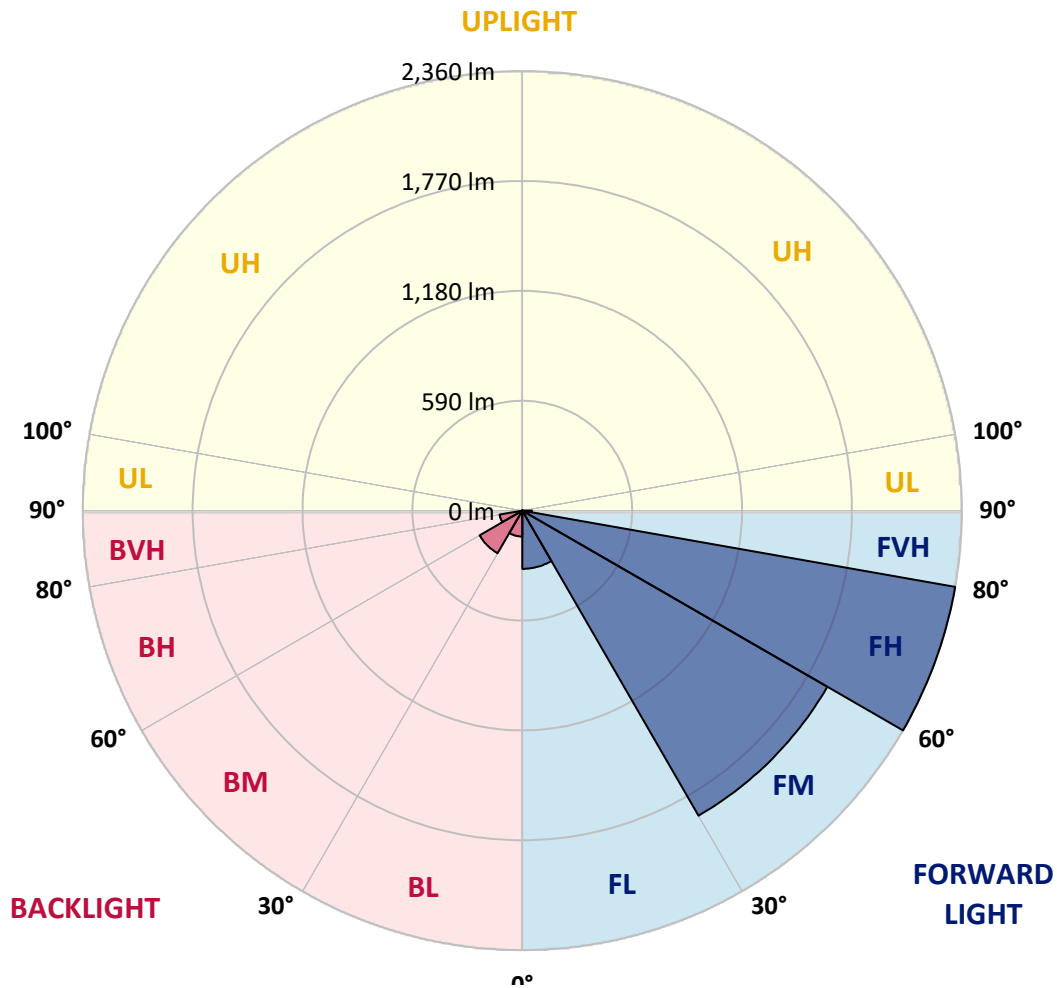
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.6	6.1			
FM (30°-60°)	1891.6	36.8			
FH (60°-80°)	2360.4	45.9			G2/5000
FVH (80°-90°)	51.6	1.0			G1/100
BL (0°-30°)	139.1	2.7	B1/500		
BM (30°-60°)	264.6	5.1	B1/1000		
BH (60°-80°)	123.8	2.4	B1/500		G1/500
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°	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4
2.5°	572.6	571.9	568.5	567.0	558.8	554.1	552.1	546.1	537.3	528.7	519.0
5°	637.7	637.5	631.2	625.2	609.8	595.3	592.6	578.6	559.0	540.7	522.4
7.5°	704.3	701.2	694.9	683.3	660.9	637.7	635.5	615.8	588.1	561.5	535.2
10°	760.7	758.7	750.6	733.0	706.7	680.4	677.8	653.3	622.1	589.5	555.9
12.5°	804.6	803.2	792.3	770.4	742.4	715.2	711.5	689.8	656.3	619.8	580.3
15°	831.4	830.6	817.4	794.0	766.5	742.9	739.8	720.7	689.5	651.5	606.8
17.5°	837.7	837.8	824.1	800.6	777.8	760.9	758.6	744.1	718.0	680.1	633.3
20°	823.7	826.6	814.3	793.8	779.8	770.9	768.9	760.3	738.3	702.6	654.6
22.5°	803.8	805.3	796.9	783.2	777.3	779.0	778.1	773.2	754.7	721.9	675.6
25°	791.8	791.8	786.7	775.2	779.0	789.4	789.7	788.7	774.0	745.5	701.2
27.5°	791.3	789.9	784.1	775.5	786.0	802.0	802.9	809.5	800.3	774.2	733.0
30°	810.6	808.9	796.6	785.3	798.9	816.0	818.4	832.6	828.0	805.3	768.4
32.5°	855.7	849.7	822.4	803.8	814.0	834.6	837.7	860.3	867.5	843.7	802.7
35°	917.5	898.4	859.1	839.1	840.1	861.5	864.4	897.7	919.2	878.9	829.2
37.5°	1002.6	993.2	929.3	875.8	880.1	912.6	921.1	957.2	951.2	898.2	859.4
40°	1189.3	1174.6	1106.6	978.5	918.4	954.1	956.8	976.1	976.6	941.8	922.1
42.5°	1443.5	1437.5	1365.9	1164.9	994.0	981.9	986.7	1019.2	1055.7	1034.0	1033.1
45°	1725.0	1721.8	1645.9	1412.4	1146.6	1072.8	1078.8	1122.5	1192.2	1197.1	1227.7
47.5°	1951.5	1950.0	1906.4	1688.6	1380.3	1226.9	1228.8	1275.1	1397.7	1458.2	1507.2
50°	2157.9	2164.9	2130.5	1987.4	1698.7	1468.4	1463.8	1494.7	1691.5	1790.6	1851.4
52.5°	2445.0	2454.8	2358.1	2266.2	2032.8	1767.9	1764.3	1796.6	2044.6	2118.8	2129.7
55°	2698.4	2681.5	2605.1	2578.5	2440.1	2137.9	2136.9	2165.4	2386.1	2417.7	2437.7
57.5°	2810.4	2803.8	2840.7	2901.5	2866.7	2575.2	2573.0	2551.3	2691.6	2695.0	2756.6
60°	2881.0	2889.0	3002.1	3189.5	3276.0	3045.7	3031.7	2899.3	2983.5	2976.0	3041.9
62.5°	2828.0	2843.6	3047.2	3359.6	3582.4	3456.5	3436.7	3218.2	3232.9	3207.1	3268.3
65°	2546.2	2570.6	2904.1	3327.4	3734.4	3777.5	3757.5	3499.6	3430.9	3388.5	3354.5
67.5°	2067.5	2082.0	2430.2	3048.4	3665.8	3969.0	3964.9	3746.4	3580.5	3357.9	3094.0
69°	1708.6	1722.8	2058.0	2754.6	3515.1	4010.0	4018.0	3825.5	3552.0	3171.7	2741.3
70°	1447.1	1462.4	1774.7	2502.8	3340.2	3990.9	4005.2	3818.1	3470.5	2956.0	2431.9
72.5°	759.0	772.1	1092.6	1724.3	2723.0	3664.7	3707.8	3495.3	2941.8	2146.8	1437.9
75°	238.5	246.0	426.7	901.3	1864.4	2849.4	2859.3	2741.8	2088.9	1180.8	598.9
77.5°	90.9	88.8	142.0	332.1	942.6	1794.2	1854.7	1713.5	1096.2	417.5	138.2
80°	48.9	49.2	73.8	137.4	403.3	922.1	973.2	830.4	389.6	130.2	31.8
82.5°	21.2	22.2	41.5	72.8	185.2	340.1	365.6	304.4	148.8	87.6	11.8
85°	4.6	5.1	20.0	39.5	75.5	95.5	100.1	98.6	94.8	68.0	4.6
87.5°	0.0	0.0	8.9	14.2	19.1	21.7	19.1	24.8	52.3	45.8	2.4
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°	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4
2.5°	515.9	511.6	504.1	495.9	490.1	484.1	479.3	477.1	474.7	473.0	475.1
5°	515.0	506.5	492.1	478.1	467.9	459.7	453.0	450.3	447.6	445.7	445.5
7.5°	523.3	511.6	489.3	468.9	453.2	442.1	433.0	429.1	425.9	424.5	423.3
10°	539.5	524.4	494.7	467.9	447.6	428.8	409.0	393.9	383.9	379.4	377.7
12.5°	560.5	541.5	504.8	473.0	443.6	407.4	365.4	329.3	305.9	298.1	293.6
15°	585.1	561.5	518.1	479.5	428.6	362.5	291.4	244.1	222.4	218.0	213.2
17.5°	608.7	582.7	534.0	480.7	395.8	289.7	213.4	181.4	172.9	175.9	176.5
20°	629.5	603.7	549.6	470.1	336.2	217.3	165.2	157.3	160.4	165.9	166.9
22.5°	650.5	623.9	564.1	442.1	260.0	165.0	148.8	150.8	153.9	159.4	160.4
25°	676.1	648.6	577.6	390.7	195.1	140.3	141.4	144.2	147.4	152.5	152.9
27.5°	705.5	679.7	586.6	323.9	144.7	129.1	132.2	136.5	139.7	144.5	145.4
30°	744.6	720.7	589.5	254.7	121.3	118.9	120.3	125.7	130.2	134.6	135.3
32.5°	781.2	761.2	579.8	192.2	112.4	109.5	109.5	112.6	118.0	122.0	123.0
35°	815.0	802.0	549.0	140.6	105.7	100.8	98.4	98.4	101.7	105.1	106.2
37.5°	859.6	859.1	499.0	112.2	99.1	93.6	88.5	84.6	83.4	84.2	84.6
40°	936.0	936.8	433.9	100.6	93.6	86.1	78.3	71.4	64.9	62.8	62.5
42.5°	1055.4	1044.6	365.6	95.1	88.8	78.3	66.8	57.4	47.3	44.2	43.9
45°	1245.0	1180.6	293.3	90.0	83.7	69.7	55.2	42.5	34.3	31.8	31.8
47.5°	1521.2	1359.3	227.2	84.5	76.9	59.8	41.7	30.6	25.1	23.9	24.1
50°	1806.7	1534.4	174.2	77.4	68.8	49.4	30.9	22.2	19.1	19.1	19.3
52.5°	2060.0	1662.7	135.8	70.0	58.6	38.8	23.4	17.4	15.9	15.7	15.9
55°	2297.1	1745.5	104.0	61.2	46.6	28.9	17.8	14.2	13.2	12.8	12.6
57.5°	2525.7	1786.4	77.9	49.4	33.7	20.9	14.2	12.0	11.1	10.3	10.1
60°	2677.9	1753.2	53.5	36.4	23.4	15.2	11.8	10.3	9.2	8.5	8.2
62.5°	2763.8	1662.3	34.5	26.3	16.6	11.4	9.4	8.6	7.0	6.3	6.3
65°	2729.0	1512.2	24.1	18.8	12.0	8.5	7.0	7.0	5.1	4.1	3.9
67.5°	2418.4	1277.6	18.3	14.0	8.6	6.3	5.3	6.0	3.1	2.0	2.0
69°	2080.8	1058.8	15.7	11.6	7.2	5.1	4.6	5.5	2.2	1.4	1.2
70°	1808.4	913.4	14.2	10.1	6.0	4.3	4.1	5.3	2.2	1.2	0.9
72.5°	1082.0	509.4	10.9	7.2	3.9	3.4	3.4	6.0	2.2	1.2	0.9
75°	437.3	179.4	8.0	5.1	2.9	2.9	4.1	7.7	2.0	0.9	0.8
77.5°	99.1	39.4	4.6	3.1	2.0	2.9	4.8	6.0	1.2	0.5	0.0
80°	24.1	9.7	2.9	2.0	1.2	2.2	3.7	3.4	0.3	0.0	0.0
82.5°	8.0	3.4	1.2	0.9	0.3	0.8	1.7	0.9	0.0	0.0	0.0
85°	3.4	2.0	0.5	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
87.5°	2.2	0.8	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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