

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: P385489

Luminaire Tested: **GWC-SA1A-735-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-735-U-SL2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4578.6 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

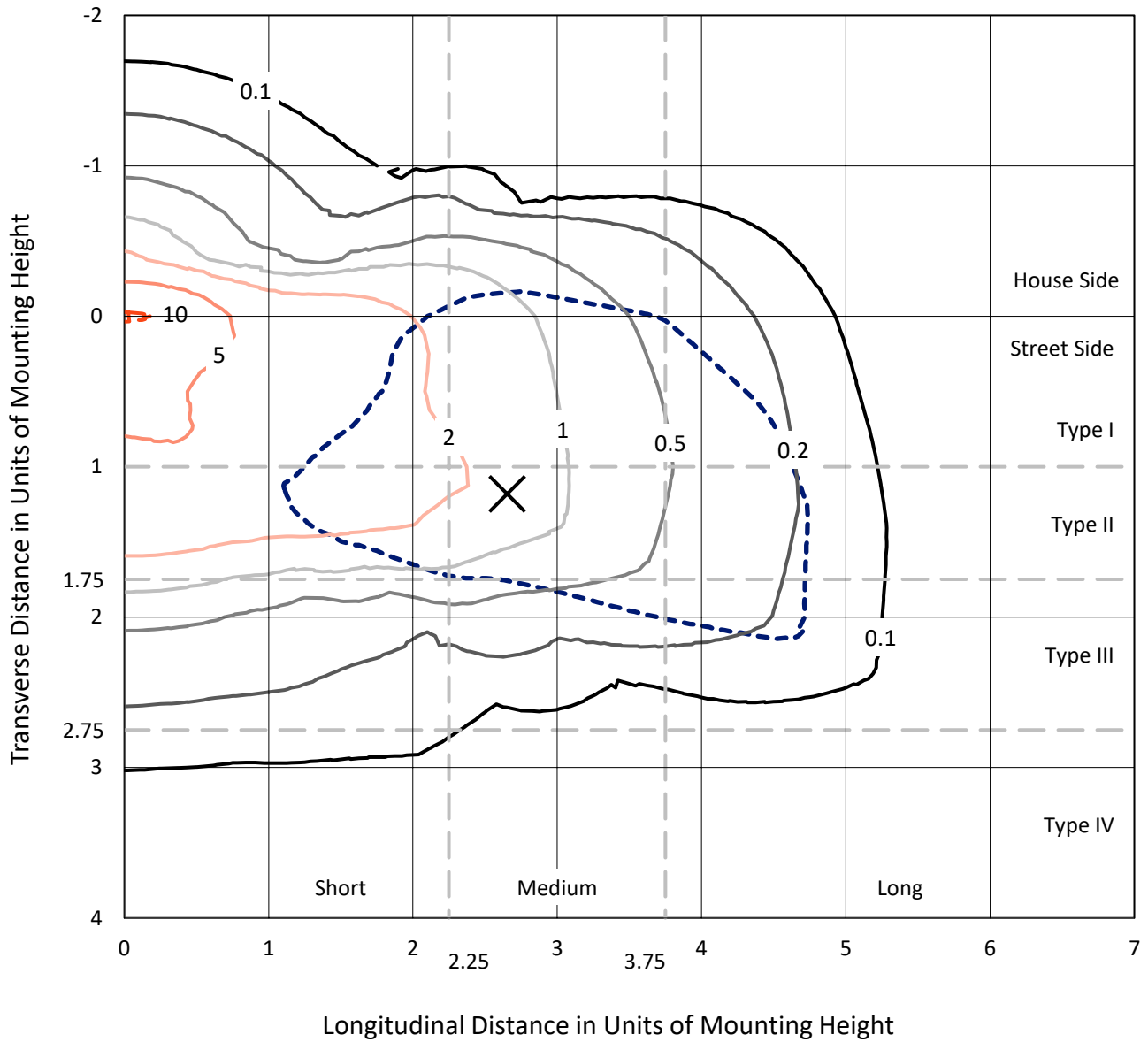
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

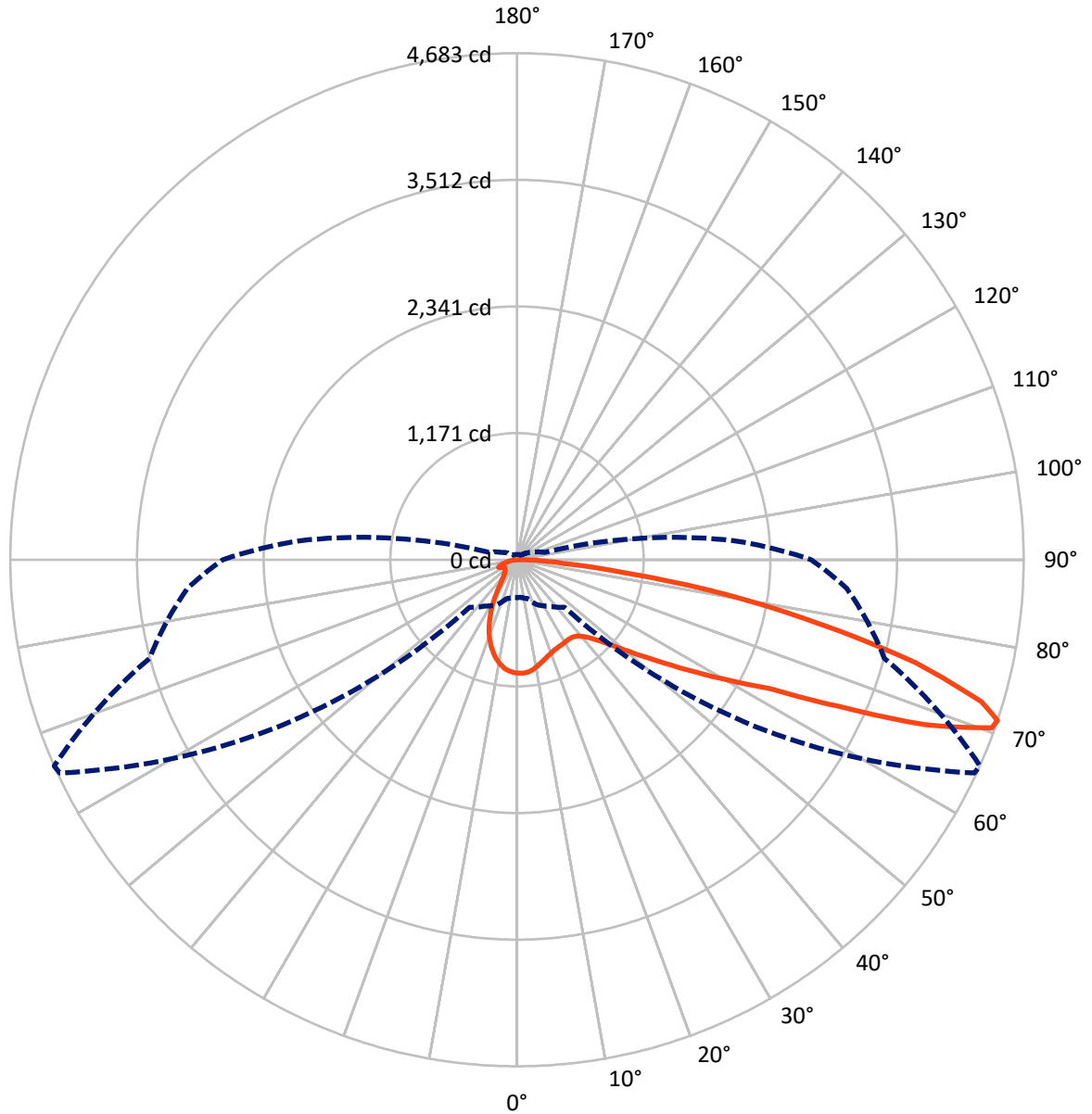
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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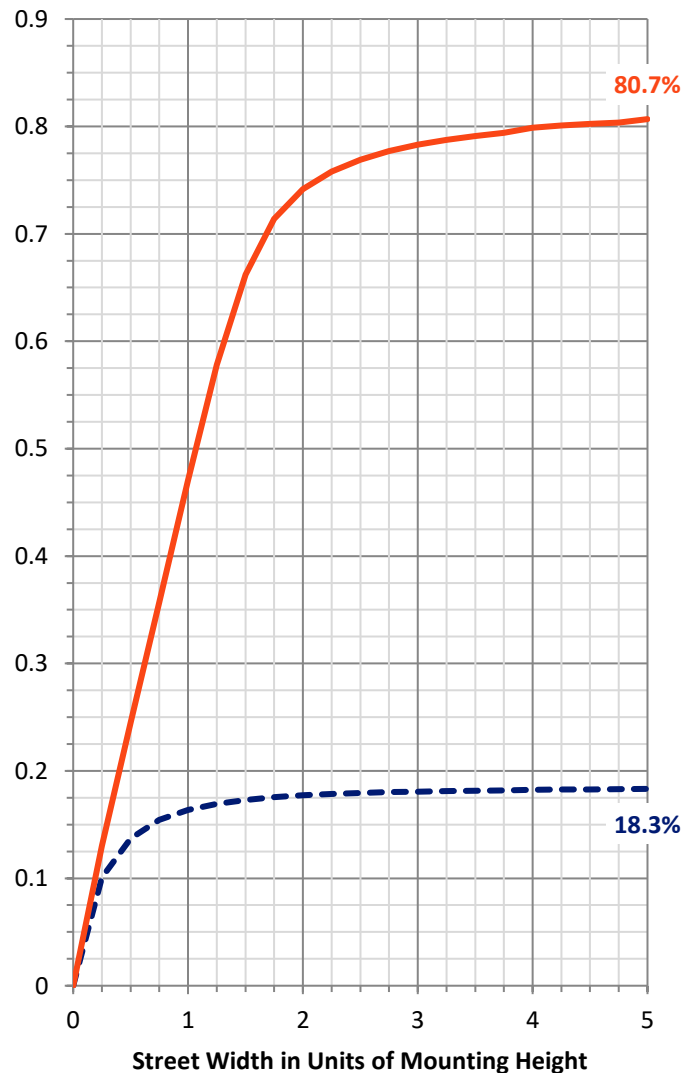
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	848.5	0.0	848.5
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3730.1	0.0	3730.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	4578.6	0.0	4578.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	2.0
10°-20°	221.4	4.8
20°-30°	297.4	6.5
30°-40°	391.3	8.5
40°-50°	569.2	12.4
50°-60°	889.2	19.4
60°-70°	1113.8	24.3
70°-80°	849.6	18.6
80°-90°	154.3	3.4
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°	4578.6	100.0
0°-180°	4578.6	100.0



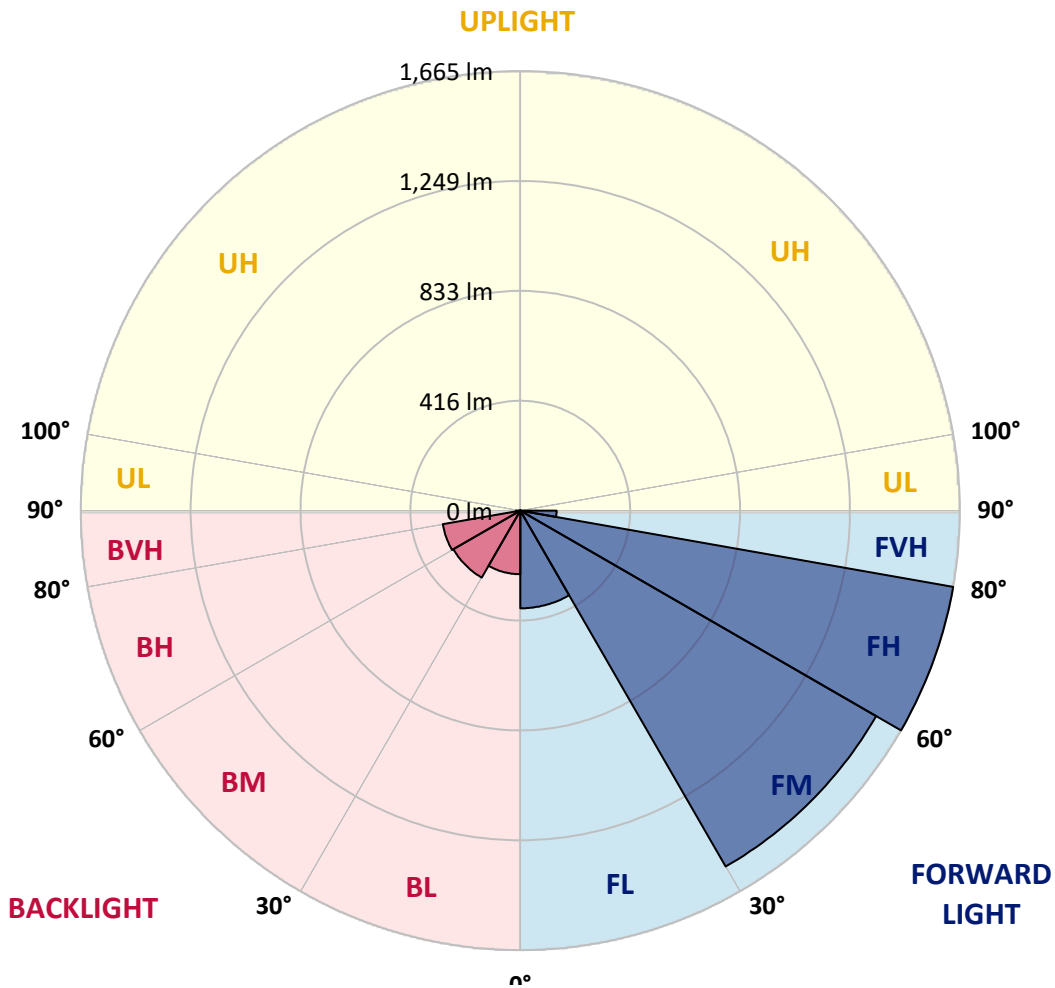
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.2	8.1			
FM (30°-60°)	1557.0	34.0			
FH (60°-80°)	1665.3	36.4			G1/1800
FVH (80°-90°)	137.6	3.0			G2/225
BL (0°-30°)	241.0	5.3	B1/500		
BM (30°-60°)	292.7	6.4	B1/1000		
BH (60°-80°)	298.2	6.5	B1/500		G1/500
BVH (80°-90°)	16.7	0.4			G1/100
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°	65°	66°	75°	85°
0°	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8
2.5°	1029.4	1027.9	1032.6	1037.5	1039.3	1042.5	1047.3	1050.0	1049.8	1050.3	1048.7
5°	961.1	959.1	968.6	976.3	991.2	1008.0	1028.4	1042.8	1043.2	1051.4	1053.6
7.5°	896.5	895.1	906.0	918.4	935.7	961.3	994.3	1025.6	1027.5	1049.8	1057.6
10°	844.6	844.3	854.9	868.5	888.6	917.2	955.1	1001.0	1003.8	1042.3	1058.2
12.5°	804.1	804.8	814.0	829.5	850.6	880.5	921.6	973.3	977.9	1030.2	1054.6
15°	774.2	776.8	784.2	799.9	820.7	851.1	893.4	947.7	954.6	1016.8	1052.5
17.5°	757.2	760.1	765.2	778.2	797.8	827.0	867.1	926.7	933.0	1006.5	1052.7
20°	752.2	754.5	757.5	765.4	782.0	808.6	846.4	907.7	914.5	998.3	1054.3
22.5°	762.1	763.8	764.2	763.5	773.7	795.3	831.4	893.8	901.1	992.9	1055.3
25°	783.5	785.8	784.1	778.2	774.9	788.2	823.6	884.6	891.9	989.0	1053.2
27.5°	815.6	815.9	814.5	806.8	791.2	789.0	821.2	879.3	886.2	984.4	1048.6
30°	859.2	861.2	858.7	848.5	822.8	801.6	824.0	874.0	880.4	978.6	1041.1
32.5°	910.3	915.3	915.2	904.4	867.7	830.0	835.8	870.9	875.8	972.4	1032.1
35°	963.2	970.1	983.1	978.6	933.2	874.7	858.2	875.9	879.3	971.6	1025.8
37.5°	1018.2	1025.2	1051.8	1064.2	1011.1	938.6	893.6	893.8	895.3	981.2	1025.3
40°	1075.7	1083.2	1123.3	1155.5	1112.1	1019.8	950.7	931.1	929.3	1005.0	1034.6
42.5°	1156.4	1163.0	1211.3	1252.1	1224.2	1123.6	1029.6	988.6	985.0	1051.4	1064.5
45°	1258.3	1264.0	1315.2	1359.0	1344.6	1242.2	1128.7	1067.8	1067.2	1128.9	1125.1
47.5°	1379.6	1384.0	1430.0	1472.4	1477.6	1378.7	1253.2	1190.0	1179.8	1235.1	1218.8
50°	1505.8	1510.8	1542.1	1587.6	1626.4	1561.2	1413.6	1339.8	1326.0	1375.3	1351.6
52.5°	1589.5	1596.0	1623.2	1680.9	1793.6	1761.4	1603.1	1521.3	1500.3	1545.2	1527.1
55°	1552.2	1566.7	1608.3	1700.8	1927.4	2067.0	1836.9	1732.9	1709.3	1746.6	1735.9
57.5°	1382.6	1402.5	1459.3	1602.0	1946.1	2336.5	2190.4	1982.2	1965.6	1954.9	1959.8
60°	1072.6	1091.7	1162.0	1348.1	1815.1	2533.1	2722.4	2289.5	2265.4	2163.8	2168.2
62.5°	759.1	749.4	797.6	933.8	1474.9	2556.2	3327.6	2700.5	2621.5	2384.5	2365.0
65°	578.9	576.7	598.3	641.6	893.4	2280.0	3688.2	3391.3	3267.9	2644.1	2598.3
67.5°	475.7	471.7	493.1	556.1	575.3	1470.9	3696.1	4192.8	4071.5	2967.2	2867.9
70°	391.1	386.7	406.6	488.0	531.6	746.0	3110.7	4662.1	4655.6	3376.3	3071.5
71°	350.6	347.5	371.3	461.7	522.3	621.7	2685.8	4663.4	4682.9	3514.7	3059.5
72.5°	285.5	286.6	311.9	411.0	515.4	549.0	1973.9	4446.1	4487.1	3646.8	2950.3
75°	189.7	190.6	223.9	316.2	499.7	537.1	1084.9	3730.7	3806.3	3567.7	2692.1
77.5°	127.4	127.1	149.7	216.9	435.3	537.1	636.2	2790.3	2873.3	2838.8	2075.5
80°	87.7	87.1	103.1	149.7	329.6	543.6	491.8	1955.4	1980.6	1533.1	843.5
82.5°	53.7	54.2	67.4	105.8	224.3	489.2	464.2	1066.2	1038.9	430.0	210.7
85°	30.8	30.6	43.0	71.6	144.0	412.9	452.8	458.9	420.9	129.4	76.2
87.5°	11.1	11.8	23.1	39.6	82.5	287.5	384.1	238.7	215.1	58.5	34.5
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°	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8
2.5°	1047.6	1048.6	1047.4	1041.1	1035.8	1027.0	1022.2	1015.4	1013.3	1012.4	1014.9
5°	1051.6	1051.8	1042.5	1025.9	1007.3	985.3	969.5	950.1	940.9	937.0	939.5
7.5°	1055.2	1053.8	1033.3	1001.6	967.1	928.9	894.9	863.8	845.5	838.1	838.8
10°	1055.7	1049.7	1016.9	967.8	914.3	858.2	806.1	758.0	727.7	707.9	713.9
12.5°	1050.8	1040.7	992.8	924.0	849.9	773.3	702.9	630.7	587.4	567.4	568.0
15°	1047.0	1028.6	963.1	872.4	772.8	671.6	575.3	490.6	444.3	423.9	414.2
17.5°	1043.9	1015.7	928.6	814.5	682.0	553.4	437.8	362.1	336.9	330.9	328.3
20°	1039.3	1002.0	890.2	747.3	578.4	421.3	319.7	282.3	282.5	289.4	290.4
22.5°	1033.2	986.3	849.2	671.9	467.3	306.8	250.5	239.8	250.7	264.0	266.4
25°	1024.0	967.8	803.7	588.5	356.3	235.9	214.1	213.5	226.9	240.8	242.8
27.5°	1011.1	943.6	753.1	499.1	262.6	200.5	191.7	195.1	204.9	215.0	215.8
30°	993.7	915.4	697.3	404.7	205.8	178.5	177.5	180.6	186.6	193.6	194.3
32.5°	974.5	886.9	637.7	313.3	176.2	166.6	167.6	169.0	171.8	174.6	175.3
35°	957.1	857.6	576.7	238.0	162.2	158.9	158.2	157.9	158.2	157.3	157.4
37.5°	946.0	833.4	513.1	189.6	154.2	152.1	150.2	147.8	145.1	143.5	143.8
40°	941.8	815.4	448.7	163.7	147.5	146.1	142.4	137.3	134.2	133.3	133.3
42.5°	952.9	806.1	386.7	150.8	141.9	139.6	133.6	127.8	125.3	125.2	125.0
45°	986.7	809.9	327.6	143.7	136.9	132.4	124.4	119.5	117.9	118.3	118.1
47.5°	1047.4	833.7	276.9	138.9	131.8	125.9	117.0	113.0	111.1	111.1	111.3
50°	1150.7	889.5	236.6	135.0	127.6	119.9	111.6	106.7	104.2	104.0	104.0
52.5°	1301.0	989.5	211.6	131.7	122.9	114.4	106.2	100.0	97.0	96.5	96.1
55°	1489.4	1132.6	204.6	129.4	116.5	108.6	99.8	93.6	90.3	88.9	88.7
57.5°	1700.2	1306.9	218.3	126.8	110.0	101.6	92.6	86.8	83.3	81.5	81.4
60°	1913.5	1497.0	274.4	123.0	104.6	94.0	85.4	79.9	76.5	74.6	74.3
62.5°	2127.0	1697.5	389.0	122.7	100.9	86.8	78.0	73.4	70.0	68.0	67.5
65°	2367.9	1916.9	519.3	131.0	99.6	80.1	70.4	66.7	63.9	62.0	61.8
67.5°	2644.6	2164.6	506.8	148.2	103.9	74.1	63.2	60.4	58.3	56.7	56.6
70°	2774.3	2125.8	315.1	160.4	109.9	68.3	56.5	54.4	52.8	51.7	51.2
71°	2719.9	2018.6	264.2	159.0	109.3	65.8	53.7	52.1	50.5	49.6	49.1
72.5°	2571.7	1840.8	220.4	148.0	102.1	61.2	50.3	48.7	47.3	46.1	45.8
75°	2307.7	1644.0	176.4	118.3	81.4	51.7	44.2	42.4	41.2	40.6	40.0
77.5°	1696.4	1173.3	136.4	93.5	59.9	42.2	37.7	36.4	35.2	34.3	33.8
80°	649.9	454.5	91.9	69.7	44.0	33.3	30.3	29.7	28.7	28.0	28.0
82.5°	175.0	135.8	49.0	42.2	29.4	24.3	23.2	22.9	22.0	20.7	20.9
85°	70.8	59.9	27.5	23.2	18.0	14.4	15.7	15.8	14.7	13.2	13.2
87.5°	31.2	25.5	15.3	10.2	7.9	5.5	7.1	7.1	6.5	5.4	4.9
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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