

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: P385499

Luminaire Tested: **GWC-SA1A-740-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-740-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4883 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

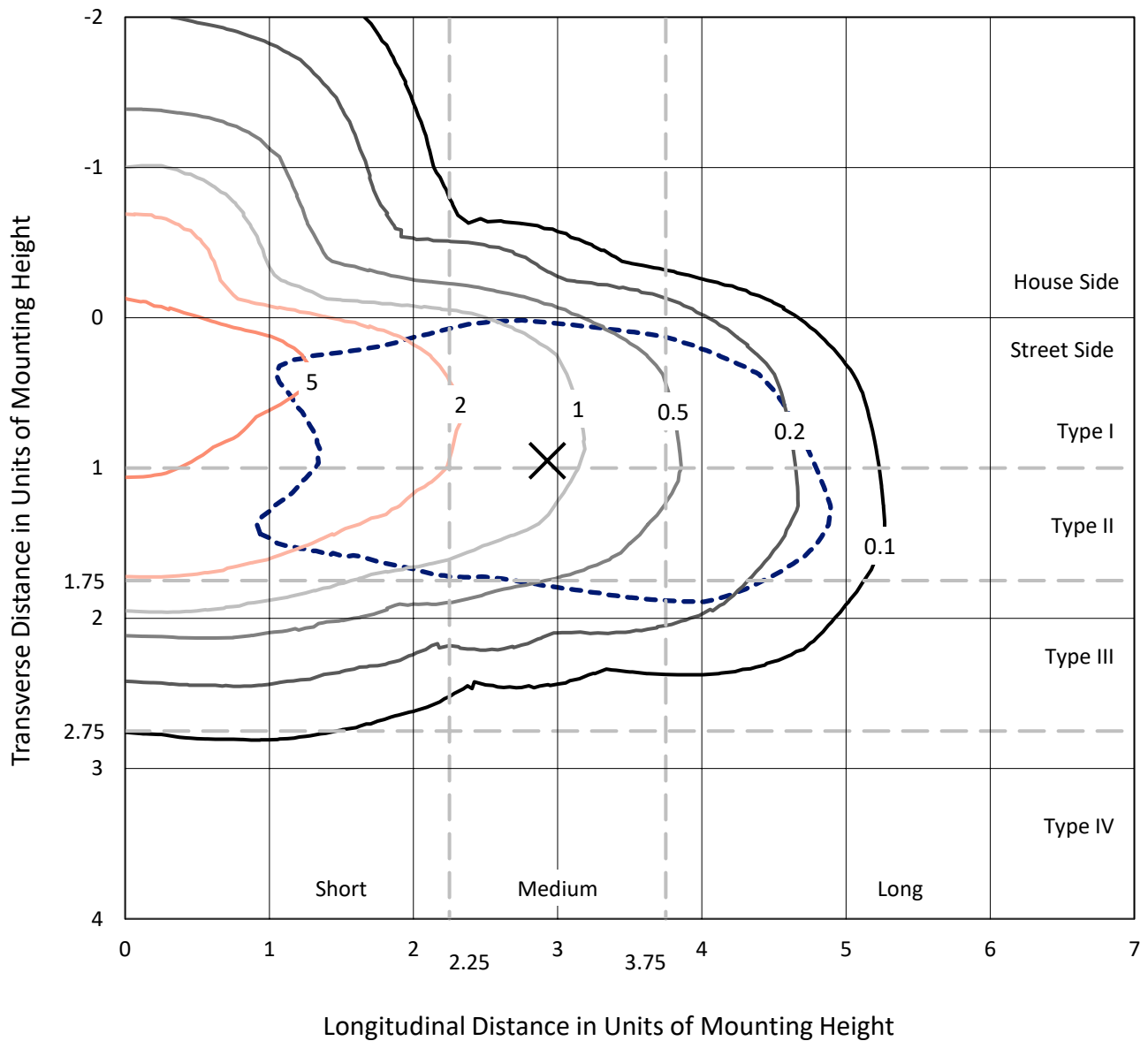
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P385499
 CATALOG NUMBER: GWC-SA1A-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

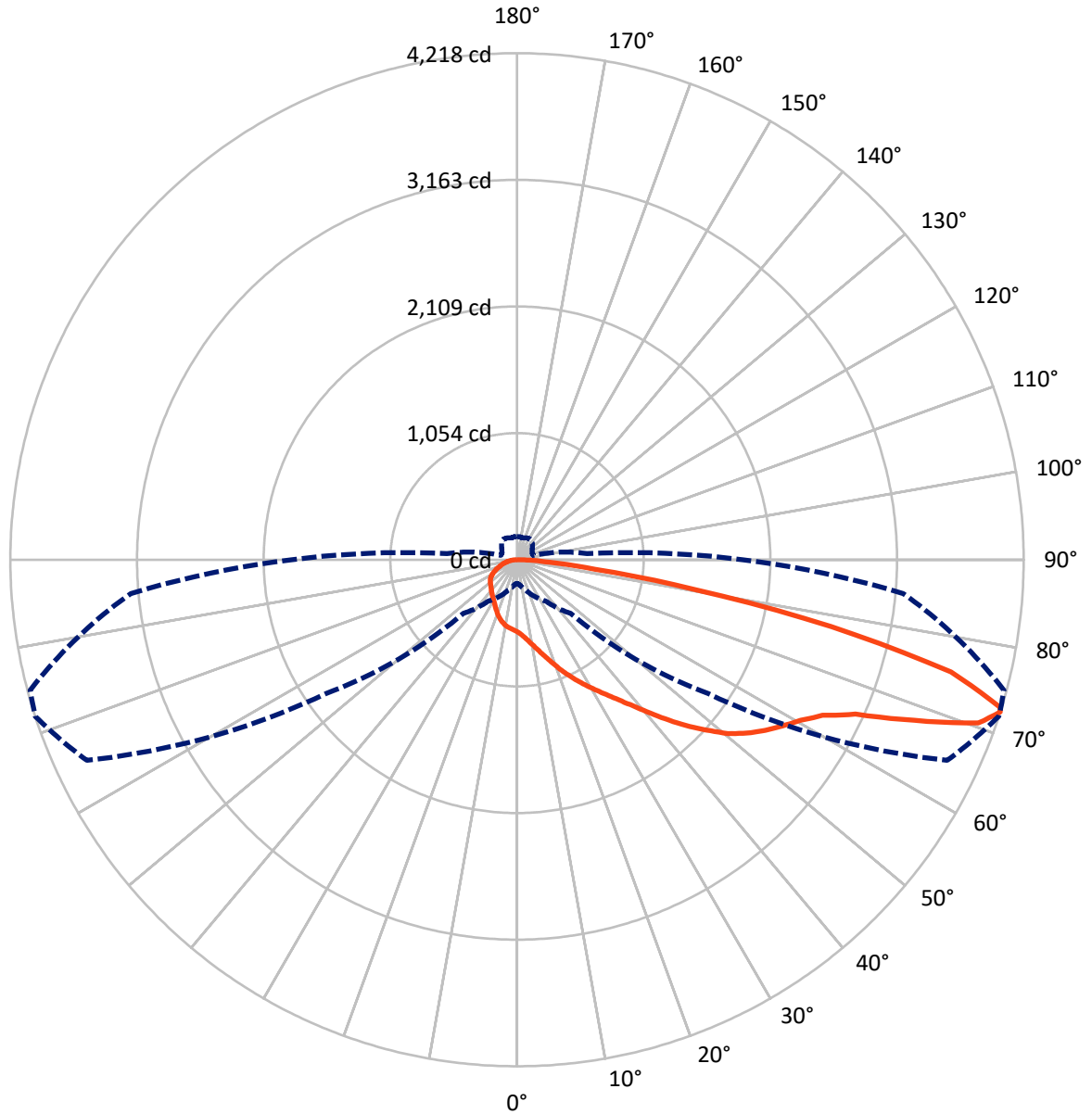
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P385499
CATALOG NUMBER: GWC-SA1A-740-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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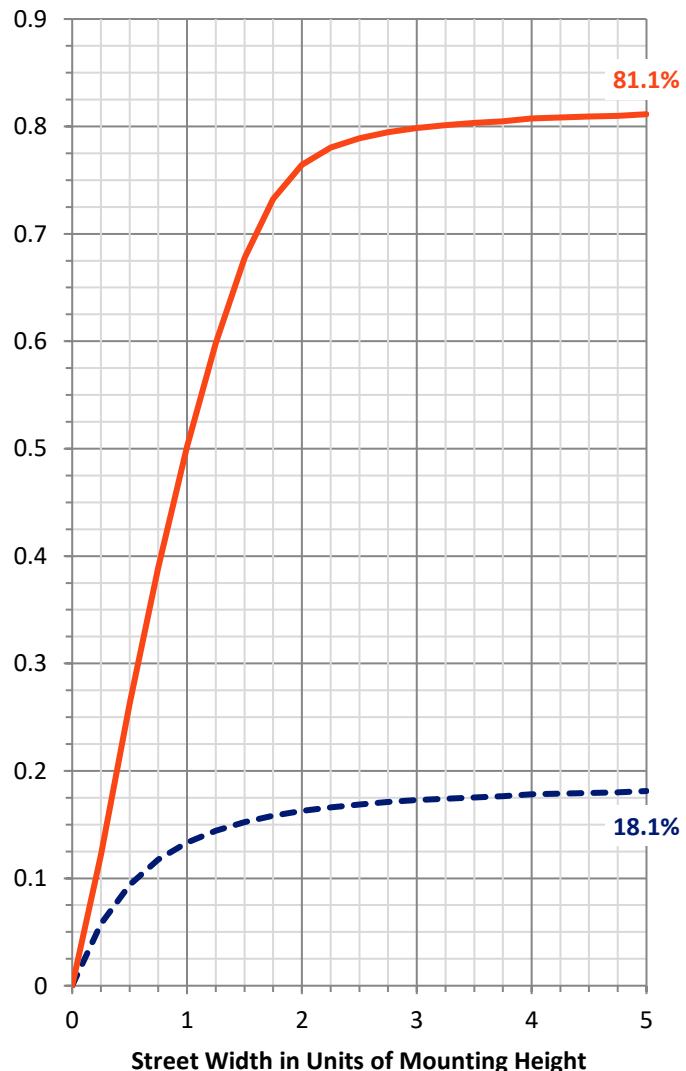
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	905.8	0.0	905.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3977.2	0.0	3977.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	4883.0	0.0	4883.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.2
10°-20°	194.5	4.0
20°-30°	340.9	7.0
30°-40°	505.4	10.4
40°-50°	739.2	15.1
50°-60°	1017.1	20.8
60°-70°	1132.3	23.2
70°-80°	767.3	15.7
80°-90°	126.1	2.6
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°	4883.0	100.0
0°-180°	4883.0	100.0



REPORT NUMBER: P385499

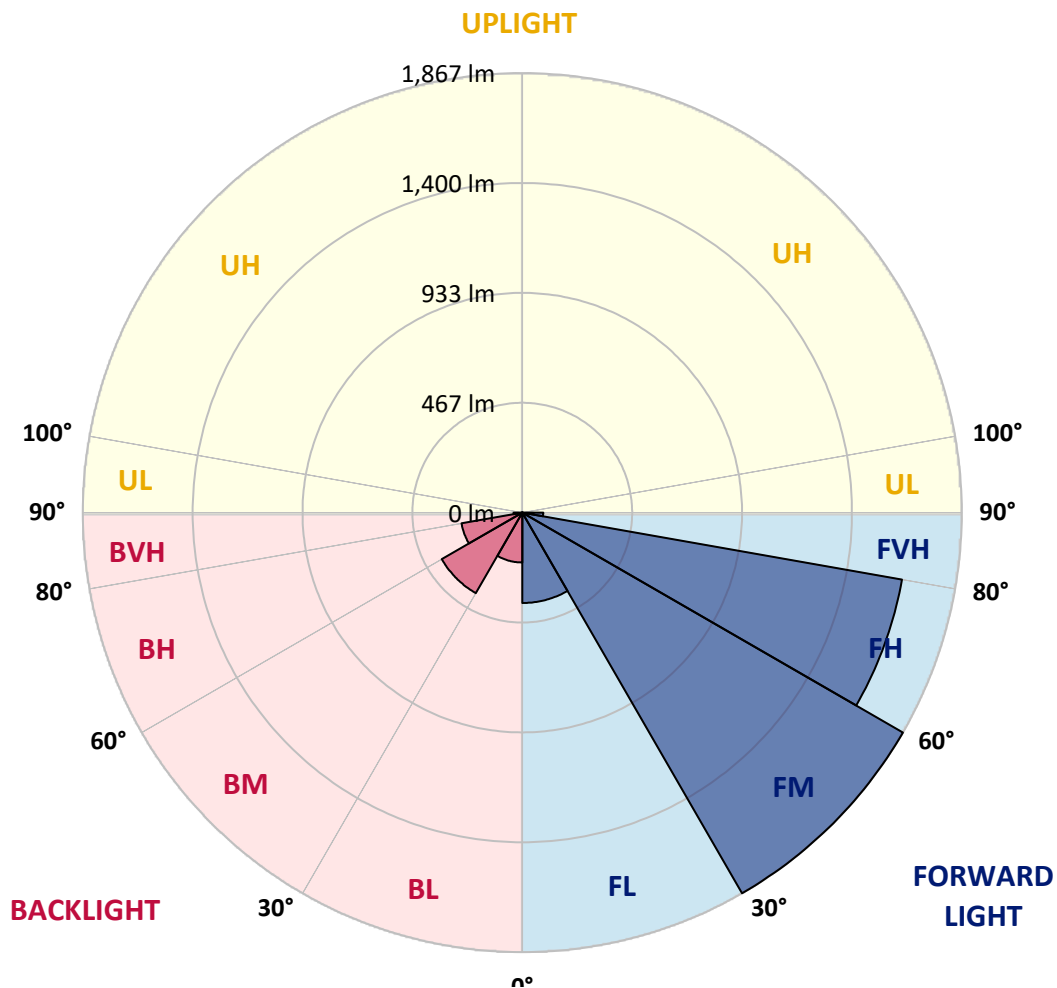
CATALOG NUMBER: GWC-SA1A-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.8	7.9			
FM (30°-60°)	1866.8	38.2			
FH (60°-80°)	1637.6	33.5			G1/1800
FVH (80°-90°)	89.0	1.8			G1/100
BL (0°-30°)	211.8	4.3	B1/500		
BM (30°-60°)	394.9	8.1	B1/1000		
BH (60°-80°)	262.1	5.4	B1/500		G1/500
BVH (80°-90°)	37.2	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P385499
 CATALOG NUMBER: GWC-SA1A-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7
2.5°	663.6	662.6	659.1	659.1	652.4	646.6	635.9	628.6	620.1	617.0	607.0
5°	727.8	728.2	723.8	720.8	710.9	698.8	680.4	663.8	647.1	640.4	619.7
7.5°	781.8	781.1	780.0	777.4	768.2	755.8	731.0	706.3	681.8	671.7	636.0
10°	816.5	818.0	819.0	820.1	816.3	807.4	784.0	753.9	721.8	708.0	655.5
12.5°	833.9	836.6	841.3	849.4	855.8	854.8	837.8	805.9	767.7	750.4	679.9
15°	844.2	847.7	855.1	869.6	887.6	897.8	893.3	864.4	821.8	800.5	709.7
17.5°	850.6	853.4	864.9	884.2	910.9	938.2	950.1	925.9	883.0	858.7	743.8
20°	855.0	857.1	871.4	894.1	928.8	972.1	1005.4	999.4	950.5	918.8	779.5
22.5°	864.7	866.6	880.2	903.0	941.4	997.4	1058.7	1067.8	1021.6	985.8	817.6
25°	891.9	891.9	903.4	919.3	955.3	1019.2	1103.8	1144.0	1094.2	1052.5	852.9
27.5°	943.9	943.4	947.6	953.1	980.4	1041.4	1144.0	1211.2	1169.5	1124.0	887.2
30°	1005.4	1008.8	1009.3	1006.6	1019.4	1069.2	1181.1	1282.2	1245.4	1196.3	922.4
32.5°	1084.6	1086.8	1084.3	1075.4	1073.5	1108.5	1217.6	1356.5	1327.4	1271.8	954.5
35°	1185.2	1181.0	1173.1	1154.9	1137.6	1161.1	1259.3	1430.8	1419.5	1363.0	998.7
37.5°	1292.9	1293.1	1283.4	1242.2	1218.3	1228.4	1316.8	1515.0	1531.0	1471.7	1055.4
40°	1379.4	1383.9	1389.9	1335.8	1304.9	1318.8	1389.9	1612.7	1662.8	1600.5	1129.2
42.5°	1439.7	1444.9	1462.1	1428.1	1396.0	1421.9	1476.0	1717.0	1810.8	1749.1	1215.6
45°	1503.6	1506.5	1518.6	1503.9	1483.4	1541.8	1573.0	1824.9	1967.3	1907.5	1312.3
47.5°	1570.9	1573.9	1586.3	1576.6	1565.8	1653.7	1674.3	1926.6	2117.3	2081.5	1415.5
50°	1653.9	1655.9	1667.7	1650.0	1653.4	1738.2	1764.7	2019.9	2274.5	2237.8	1519.1
52.5°	1767.2	1767.7	1784.1	1768.1	1752.3	1800.0	1842.6	2107.9	2397.7	2380.4	1622.6
55°	1856.0	1861.4	1914.9	1911.5	1902.4	1856.2	1907.6	2191.6	2507.7	2515.9	1732.6
57.5°	1799.4	1820.4	1928.6	2005.0	2079.3	1995.9	1995.6	2285.9	2609.9	2648.9	1853.5
60°	1575.9	1604.5	1764.0	1933.4	2165.9	2239.0	2178.2	2401.1	2713.1	2780.7	2005.0
62.5°	1125.5	1172.6	1388.8	1659.1	2047.2	2400.1	2549.7	2583.9	2853.5	2933.4	2201.9
65°	569.0	604.6	785.8	1111.5	1635.6	2294.8	2953.6	2984.0	3097.5	3168.5	2505.0
67.5°	345.7	359.1	447.6	618.2	1002.7	1787.6	3085.4	3651.0	3569.6	3607.3	2937.3
70°	254.7	264.6	319.8	410.6	576.7	1049.0	2680.9	4127.0	4073.5	4069.3	3256.7
72°	198.4	205.6	254.4	331.7	421.7	629.3	1943.1	3951.3	4217.8	4196.6	3227.5
72.5°	188.1	194.5	238.9	312.2	398.5	570.5	1747.1	3832.7	4207.3	4197.8	3189.6
75°	148.1	152.7	176.9	241.4	311.9	323.7	957.3	2970.2	3732.4	3887.6	2868.8
77.5°	122.6	123.2	136.0	175.7	243.1	228.8	470.3	2060.8	2672.6	2843.3	2032.2
80°	99.9	100.7	106.8	123.2	183.9	169.3	223.3	1185.0	1496.4	1498.2	966.4
82.5°	79.5	79.7	86.4	90.1	132.2	121.1	127.9	556.3	653.9	629.0	347.4
85°	56.0	54.8	84.4	74.0	86.4	77.7	70.6	220.3	270.4	258.6	108.8
87.5°	18.7	19.3	37.5	47.9	50.4	44.1	31.4	84.4	102.1	101.2	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°	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7
2.5°	603.8	598.4	590.5	581.7	574.8	567.8	562.6	559.9	556.9	554.3	557.4
5°	610.2	600.1	583.3	566.8	554.7	543.9	536.2	532.1	528.4	525.9	526.3
7.5°	620.6	604.3	576.0	552.0	535.2	523.6	515.7	513.0	510.6	509.9	510.8
10°	631.7	607.6	566.4	534.5	515.3	505.7	502.2	504.1	505.7	507.3	508.9
12.5°	644.3	610.7	552.5	514.0	497.7	494.0	497.5	505.6	511.5	515.0	517.2
15°	660.8	613.3	536.3	493.5	482.5	486.7	498.7	512.6	522.9	529.4	530.5
17.5°	675.9	613.2	515.7	472.8	470.3	482.5	500.5	520.2	534.0	543.2	545.1
20°	691.5	608.6	491.6	452.6	457.8	478.0	501.4	525.1	541.7	552.5	555.0
22.5°	706.2	600.7	465.2	434.3	447.4	471.9	498.2	522.2	538.9	547.6	550.3
25°	716.1	586.9	438.5	418.8	438.2	464.5	487.8	507.1	519.5	523.9	524.6
27.5°	721.1	569.0	413.3	405.4	428.6	452.4	468.4	478.0	481.5	481.2	480.5
30°	721.8	545.3	391.6	394.4	417.5	434.6	442.2	440.3	435.8	428.1	428.7
32.5°	719.6	518.5	373.4	384.0	403.3	412.9	413.3	404.4	392.3	380.0	376.6
35°	720.3	492.3	357.4	372.2	386.2	390.4	386.5	373.4	356.9	341.1	337.8
37.5°	727.7	469.4	343.7	358.6	367.2	368.2	362.7	348.9	336.8	321.3	320.0
40°	745.3	453.1	330.5	343.3	348.2	348.7	340.8	331.1	332.1	323.8	323.7
42.5°	777.1	446.1	318.9	327.4	330.4	331.4	325.3	319.1	327.9	322.5	320.6
45°	818.1	447.7	309.2	311.7	317.3	322.0	318.3	310.7	314.1	290.7	283.0
47.5°	865.5	458.5	301.5	298.3	307.9	316.8	311.0	299.6	287.7	264.5	260.1
50°	921.0	475.1	294.4	285.0	297.6	309.7	304.0	287.7	269.7	258.4	256.9
52.5°	978.9	495.5	287.3	270.4	284.6	304.3	301.5	285.0	262.8	251.7	249.7
55°	1044.4	516.0	278.4	253.4	270.7	301.8	300.3	275.2	257.6	251.4	249.8
57.5°	1126.0	539.4	266.7	235.7	257.6	292.7	288.0	269.3	252.2	247.5	247.0
60°	1232.2	573.8	249.7	216.9	241.6	278.8	277.8	260.8	243.6	240.3	239.6
62.5°	1391.6	630.8	226.3	198.1	223.8	255.1	264.3	249.2	234.5	234.4	234.7
65°	1638.8	716.6	200.9	181.6	205.8	235.0	248.7	237.2	225.3	228.7	229.2
67.5°	1925.3	787.7	176.0	165.4	187.5	216.0	234.5	225.3	213.0	221.8	221.9
70°	2020.6	724.1	154.2	149.5	168.5	197.7	219.2	212.2	199.7	208.5	207.6
72°	1880.4	584.6	140.1	137.4	154.2	182.6	205.6	199.9	187.6	193.5	191.3
72.5°	1836.2	557.4	136.5	134.3	150.3	178.7	202.1	196.9	184.6	189.7	187.6
75°	1637.9	484.1	117.4	117.9	131.1	159.9	182.3	180.6	168.0	168.5	167.8
77.5°	1188.0	354.9	98.9	102.2	111.6	140.6	162.2	161.2	147.5	144.9	144.4
80°	551.3	181.1	80.5	82.0	91.8	117.5	138.4	137.0	125.9	122.7	120.9
82.5°	188.8	86.1	60.5	61.5	71.1	94.7	120.0	119.2	110.0	103.7	99.9
85°	67.4	42.9	42.4	41.4	50.8	74.5	104.6	100.0	86.4	73.6	73.3
87.5°	21.9	18.3	21.9	21.7	29.6	50.4	76.0	64.7	62.7	52.1	51.1
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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