Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202716

Luminaire Tested: GWC-SB2A-827-U-SL4-HSS

Issue Date: 10/30/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202716
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5444 lumens
Efficiency:	N/A
Efficacy:	95.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

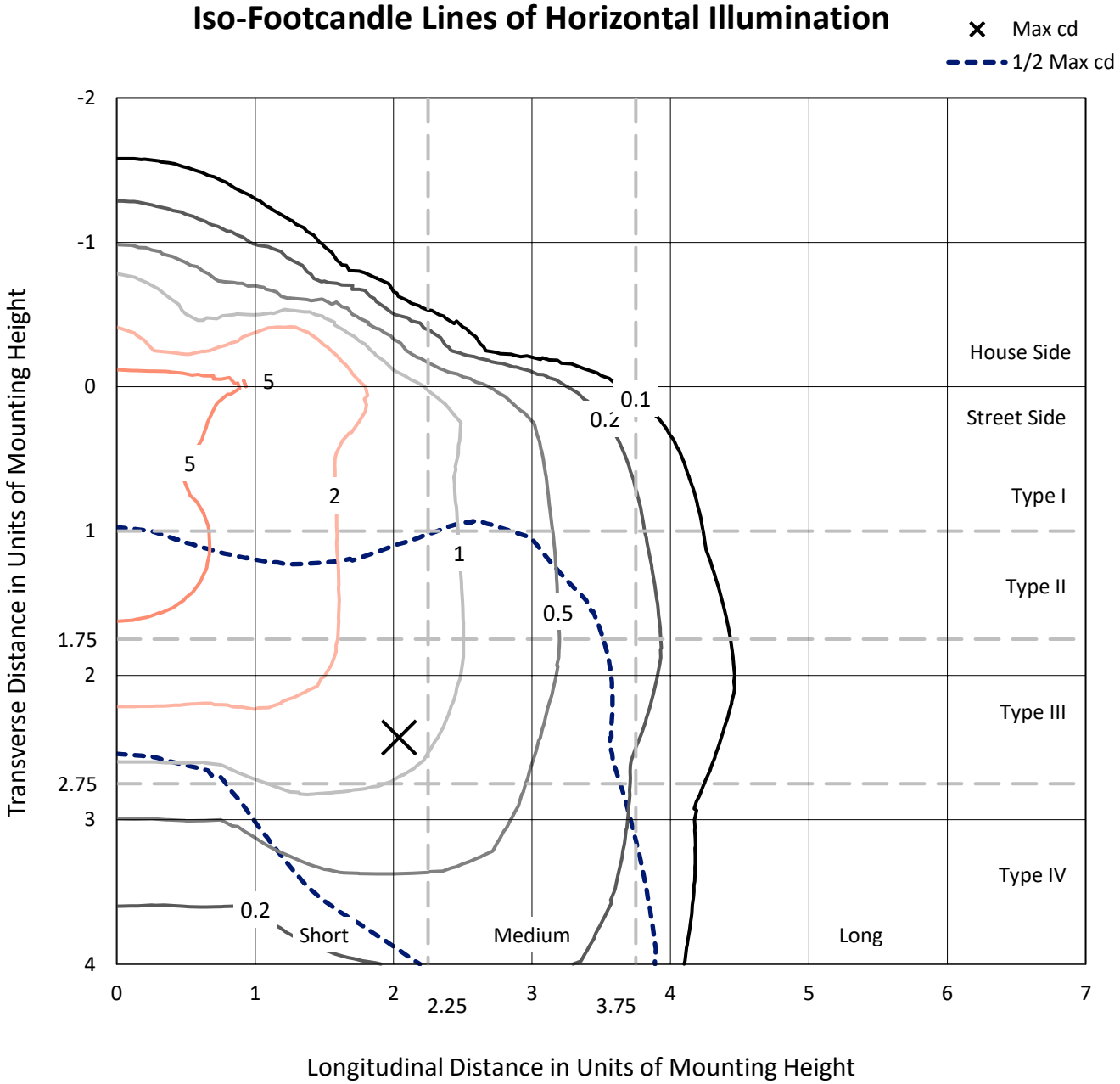


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202716
CATALOG NUMBER: GWC-SB2A-827-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



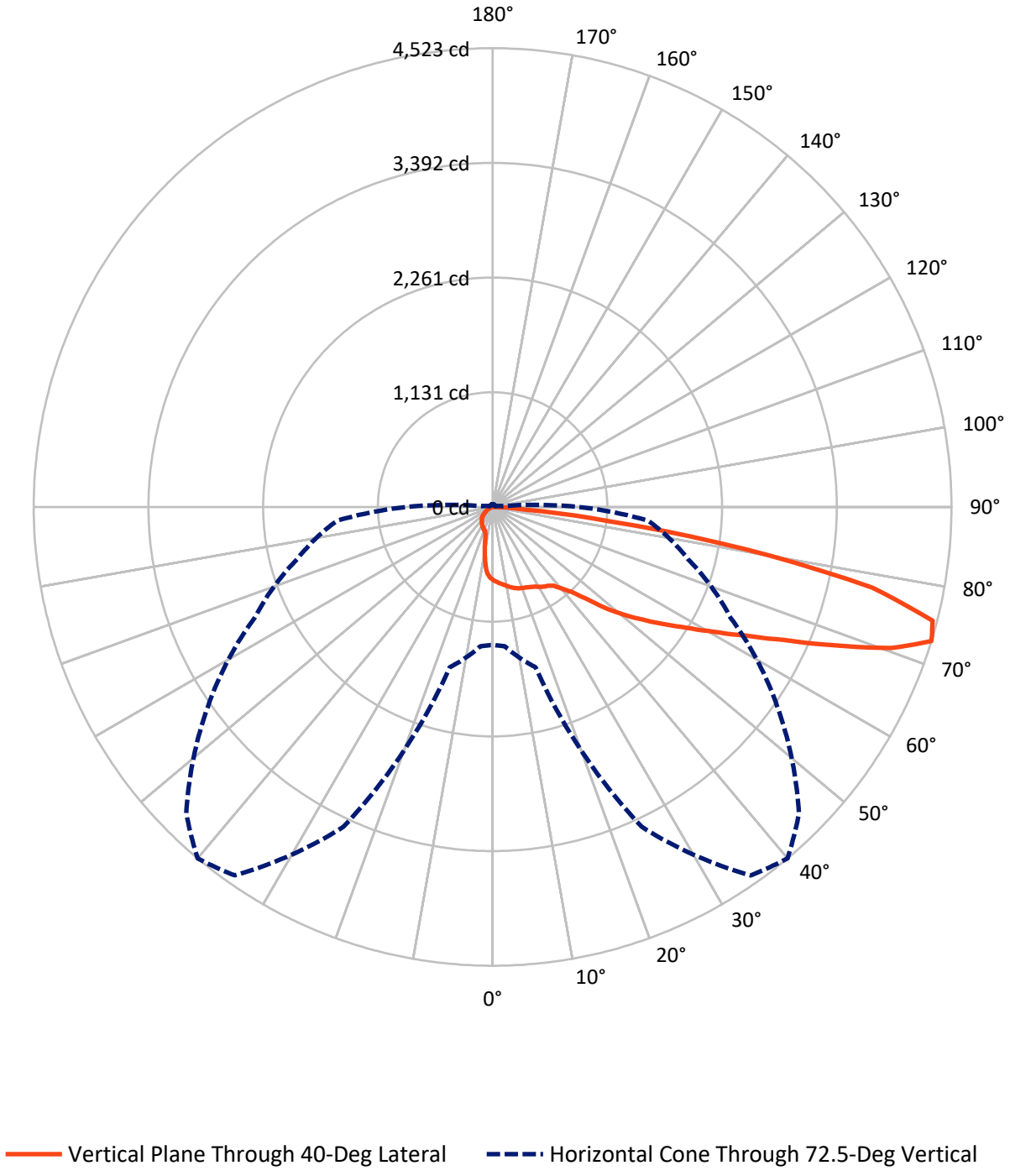
Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type IV - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202716
CATALOG NUMBER: GWC-SB2A-827-U-SL4-HSS

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

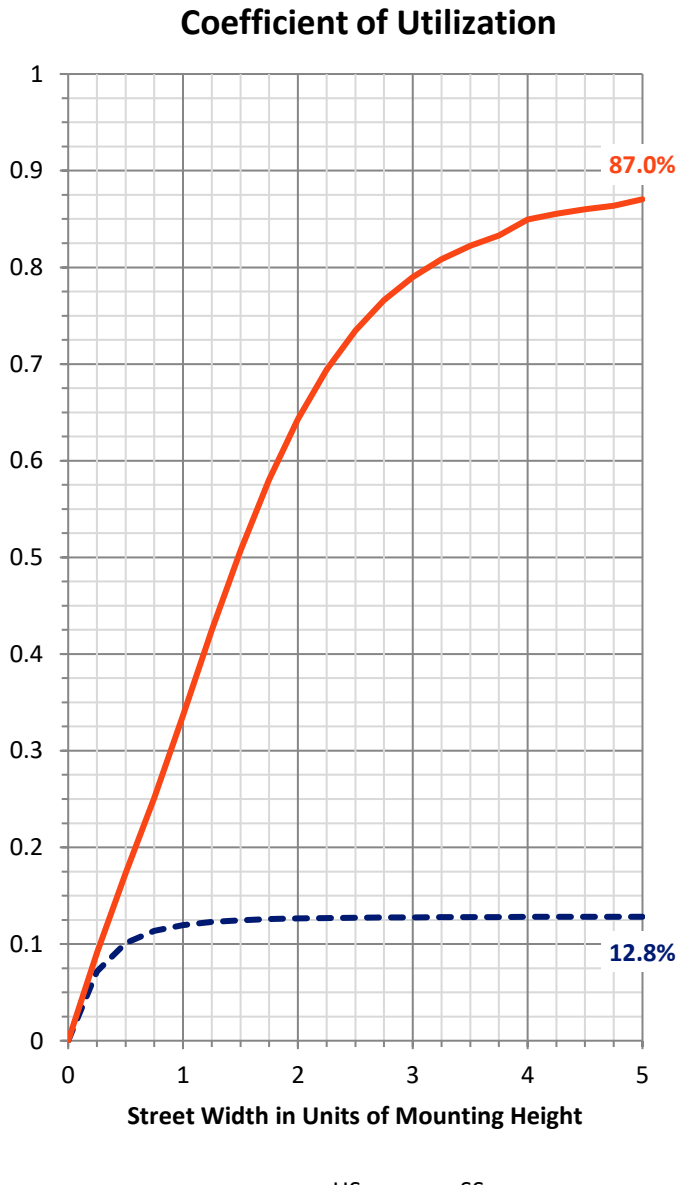
REPORT NUMBER: P1202716
CATALOG NUMBER: GWC-SB2A-827-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	703.0	0.0	703.0
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	4741.0	0.0	4741.0
	% Fixture	87.1	0.0	87.1
Total	Lumens	5444.0	0.0	5444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	1.2
10°-20°	178.8	3.3
20°-30°	289.3	5.3
30°-40°	427.1	7.8
40°-50°	718.8	13.2
50°-60°	1116.1	20.5
60°-70°	1396.5	25.7
70°-80°	1143.3	21.0
80°-90°	108.4	2.0
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°	5444.0	100.0
0°-180°	5444.0	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

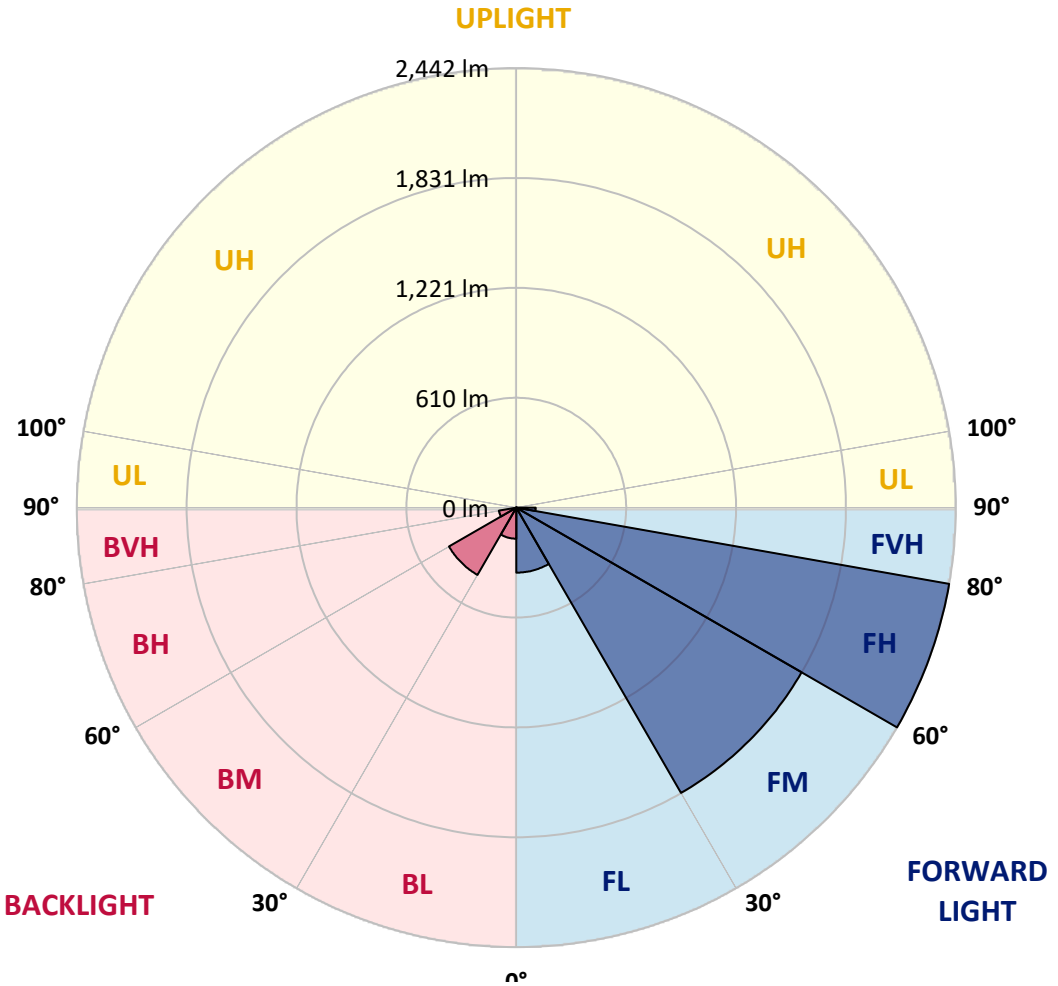
Scaled Data Report

REPORT NUMBER: P1202716
CATALOG NUMBER: GWC-SB2A-827-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	361.3	6.6			
FM	(30°-60°)	1830.2	33.6			
FH	(60°-80°)	2441.9	44.9			G2/5000
FVH	(80°-90°)	107.6	2.0			G2/225
BL	(0°-30°)	172.6	3.2	B1/500		
BM	(30°-60°)	431.7	7.9	B1/1000		
BH	(60°-80°)	97.9	1.8	B0/110		G0/110
BVH	(80°-90°)	0.8	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



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202716
CATALOG NUMBER: GWC-SB2A-827-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	720.8	720.8	720.8	720.8	720.8	*720.8*	720.8	720.8	720.8	720.8	720.8
2.5°	742.6	745.4	743.8	740.5	739.7	*738.1*	736.0	735.2	732.3	729.9	727.0
5°	763.5	766.3	764.3	759.8	757.7	*755.7*	752.8	750.4	744.6	739.3	732.7
7.5°	786.4	788.9	786.4	779.9	776.6	*774.1*	770.0	766.3	759.8	752.0	743.8
10°	811.9	813.9	810.2	801.6	796.3	*792.6*	788.9	784.8	778.6	770.0	760.2
12.5°	835.6	838.1	832.4	822.1	816.0	*812.3*	808.2	804.9	798.7	790.5	780.3
15°	857.4	861.1	851.2	840.1	833.2	*830.3*	826.2	824.2	820.1	814.3	804.9
17.5°	873.8	876.2	866.0	852.9	845.1	*843.0*	840.1	841.4	840.6	837.7	831.5
20°	887.7	889.4	875.8	859.8	851.2	*851.6*	850.8	854.9	856.5	856.5	856.1
22.5°	904.9	905.3	888.1	868.0	857.8	*860.6*	861.9	866.4	869.7	873.0	880.3
25°	927.5	926.7	906.2	878.7	869.7	*873.8*	876.6	878.3	882.0	887.3	904.1
27.5°	961.1	958.6	932.4	895.9	885.3	*888.9*	894.3	893.5	891.8	895.9	924.2
30°	1003.7	1000.5	965.6	920.1	910.3	*913.5*	915.2	907.8	895.9	899.6	941.8
32.5°	1071.4	1065.7	1017.3	947.2	932.0	*935.7*	933.6	918.5	900.8	904.5	959.5
35°	1189.1	1175.1	1106.7	1003.7	956.6	*952.5*	947.6	932.8	911.1	907.4	974.2
37.5°	1439.2	1414.6	1297.7	1114.0	1012.4	*985.7*	970.5	955.8	922.2	907.4	991.0
40°	1721.3	1696.3	1561.4	1298.6	1105.0	*1059.9*	1023.8	982.8	933.6	912.7	1017.3
42.5°	2015.7	1988.2	1849.6	1527.4	1237.5	*1144.8*	1077.6	1004.6	952.5	929.1	1052.1
45°	2344.5	2310.1	2128.9	1766.0	1429.8	*1285.8*	1164.1	1049.3	985.3	958.2	1099.7
47.5°	2691.4	2646.7	2407.3	1997.7	1636.8	*1481.0*	1322.3	1129.2	1033.7	1001.7	1164.1
50°	2998.9	2954.7	2694.7	2240.0	1830.4	*1666.8*	1502.8	1239.9	1106.3	1063.2	1250.6
52.5°	3220.0	3186.3	2956.3	2490.1	2031.7	*1841.0*	1666.4	1368.7	1198.1	1141.9	1352.7
55°	3368.0	3337.2	3141.6	2727.1	2265.8	*2032.9*	1827.5	1508.5	1308.8	1236.2	1465.4
57.5°	3457.8	3440.1	3275.7	2938.7	2497.9	*2242.9*	2012.0	1662.3	1439.2	1347.4	1591.3
60°	3489.8	3475.4	3359.0	3140.4	2778.4	*2495.0*	2228.9	1835.7	1597.5	1473.6	1720.5
62.5°	3404.5	3407.3	3418.8	3379.5	3074.0	*2790.2*	2488.9	2044.0	1773.0	1616.7	1841.8
65°	3003.0	3026.8	3245.0	3644.3	3465.6	*3160.1*	2819.8	2298.2	1973.9	1779.5	1938.2
67.5°	2486.4	2520.9	2792.3	3799.3	3883.0	*3640.2*	3280.6	2622.1	2213.3	1945.2	1974.7
70°	1903.4	1940.3	2269.1	3766.9	4273.7	*4165.1*	3850.6	3034.2	2461.4	2060.0	1881.6
72.5°	*1358.4*	*1377.3*	*1636.4*	*3478.7*	*4434.0*	*4522.6*	*4270.4*	*3424.6*	*2588.1*	*1996.4*	*1534.7*
75°	954.5	951.3	1123.1	2801.3	4184.3	*4479.1*	4123.2	3213.4	2342.1	1586.0	946.3
77.5°	415.8	416.6	560.9	1701.2	3339.7	*3825.6*	3427.4	2012.8	1632.7	840.6	399.4
80°	107.8	111.1	205.8	677.4	2010.8	*2525.0*	2090.3	884.8	754.5	205.0	76.3
82.5°	38.1	40.6	94.7	212.8	741.7	*1157.9*	930.8	282.9	196.8	58.6	20.5
85°	11.1	13.1	50.8	65.2	153.4	*327.2*	225.9	54.9	48.4	30.3	5.3
87.5°	0.0	1.6	10.3	9.0	9.0	*6.2*	11.5	6.2	7.8	3.7	1.6
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202716
CATALOG NUMBER: GWC-SB2A-827-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8
2.5°	724.5	721.6	715.5	708.9	702.8	697.0	695.4	689.3	686.4	686.8	686.4
5°	728.2	722.9	711.0	696.6	681.9	665.1	651.1	631.4	614.6	612.6	611.4
7.5°	738.1	729.4	710.2	682.3	645.4	599.1	556.0	513.4	489.2	476.0	475.2
10°	753.2	741.7	712.2	658.9	580.6	497.8	432.6	378.9	351.4	338.7	336.2
12.5°	771.3	758.6	715.5	619.1	497.0	388.3	317.8	285.0	279.2	278.4	278.0
15°	796.7	782.7	719.2	565.4	406.3	295.6	263.2	263.6	268.2	270.6	270.2
17.5°	825.0	811.0	713.9	499.8	317.0	252.6	251.8	255.4	262.0	264.5	264.1
20°	853.7	840.6	695.0	422.7	256.3	240.7	244.0	248.1	254.6	257.9	257.9
22.5°	883.2	871.7	665.1	340.7	231.3	232.1	236.2	240.3	247.7	251.3	251.3
25°	914.8	904.9	625.3	273.1	220.6	223.1	228.4	233.3	241.1	245.6	245.6
27.5°	946.8	939.4	580.2	228.0	210.8	213.6	219.8	226.3	234.1	239.5	239.9
30°	981.6	977.5	544.1	211.2	201.3	203.8	210.8	218.1	226.7	233.3	234.1
32.5°	1017.3	1016.5	526.5	223.5	192.7	194.4	200.5	207.9	218.5	226.7	227.6
35°	1052.5	1054.2	516.2	258.3	189.8	185.3	189.4	196.0	208.7	219.0	220.6
37.5°	1097.6	1101.7	515.8	296.0	196.8	176.3	179.2	183.7	194.8	206.7	208.7
40°	1164.9	1186.6	542.1	328.4	209.1	168.1	168.9	169.8	175.5	185.3	188.6
42.5°	1254.3	1317.8	636.8	350.6	214.0	160.7	157.9	153.4	152.5	157.9	160.7
45°	1365.4	1476.5	803.2	362.9	209.1	152.5	144.7	132.8	128.3	132.0	132.0
47.5°	1496.2	1650.4	1000.5	365.7	200.9	142.3	128.3	112.8	109.1	110.3	109.9
50°	1623.7	1780.8	1173.9	342.0	187.4	129.2	110.3	97.2	94.7	95.1	95.1
52.5°	1736.5	1825.4	1223.1	285.8	169.3	113.2	94.7	85.7	84.1	84.1	83.6
55°	1811.1	1777.1	1090.7	218.5	146.8	96.8	81.2	76.7	75.9	75.4	74.6
57.5°	1826.7	1619.6	823.7	157.9	114.8	81.6	72.2	69.7	68.1	66.4	65.6
60°	1770.9	1357.2	524.4	110.3	86.1	69.7	64.0	62.3	59.0	55.8	54.5
62.5°	1650.4	1025.1	290.3	76.7	69.3	59.5	56.6	54.5	48.4	43.1	41.4
65°	1488.4	681.5	128.3	59.9	56.6	50.0	48.4	45.5	38.1	32.0	30.8
67.5°	1325.6	392.4	57.8	48.0	45.5	41.0	39.8	37.7	32.4	26.7	25.8
70°	1139.9	198.9	39.8	38.1	35.3	31.2	32.4	32.0	26.7	21.7	20.9
72.5°	*848.8*	*98.8*	*29.9*	*28.7*	*25.4*	*22.1*	*26.7*	*26.2*	*20.9*	*16.4*	*15.6*
75°	480.6	48.8	21.7	20.1	15.2	16.4	21.3	20.1	14.4	10.7	9.8
77.5°	190.7	25.0	14.4	12.3	9.0	11.1	15.6	13.5	7.4	4.5	4.1
80°	43.9	12.3	7.4	5.3	4.1	6.6	8.2	4.9	2.1	0.4	0.0
82.5°	12.3	5.3	2.5	2.1	2.1	2.5	2.1	0.8	0.0	0.0	0.0
85°	4.1	2.5	0.8	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	1.6	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


HS
SS

0

(END OF REPORT)