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: P1201980

Luminaire Tested: GWC-SB1C-827-U-T4W-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:	P1201980
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1C-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5043 lumens
Efficiency:	N/A
Efficacy:	92.7 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):	54.4
Input Voltage (V):	120.0
Input Current (Ain):	0.437
Voltage Rise (V):	NR
Power Factor:	0.993
Total Harmonic Distortion (THDi):	9.314
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

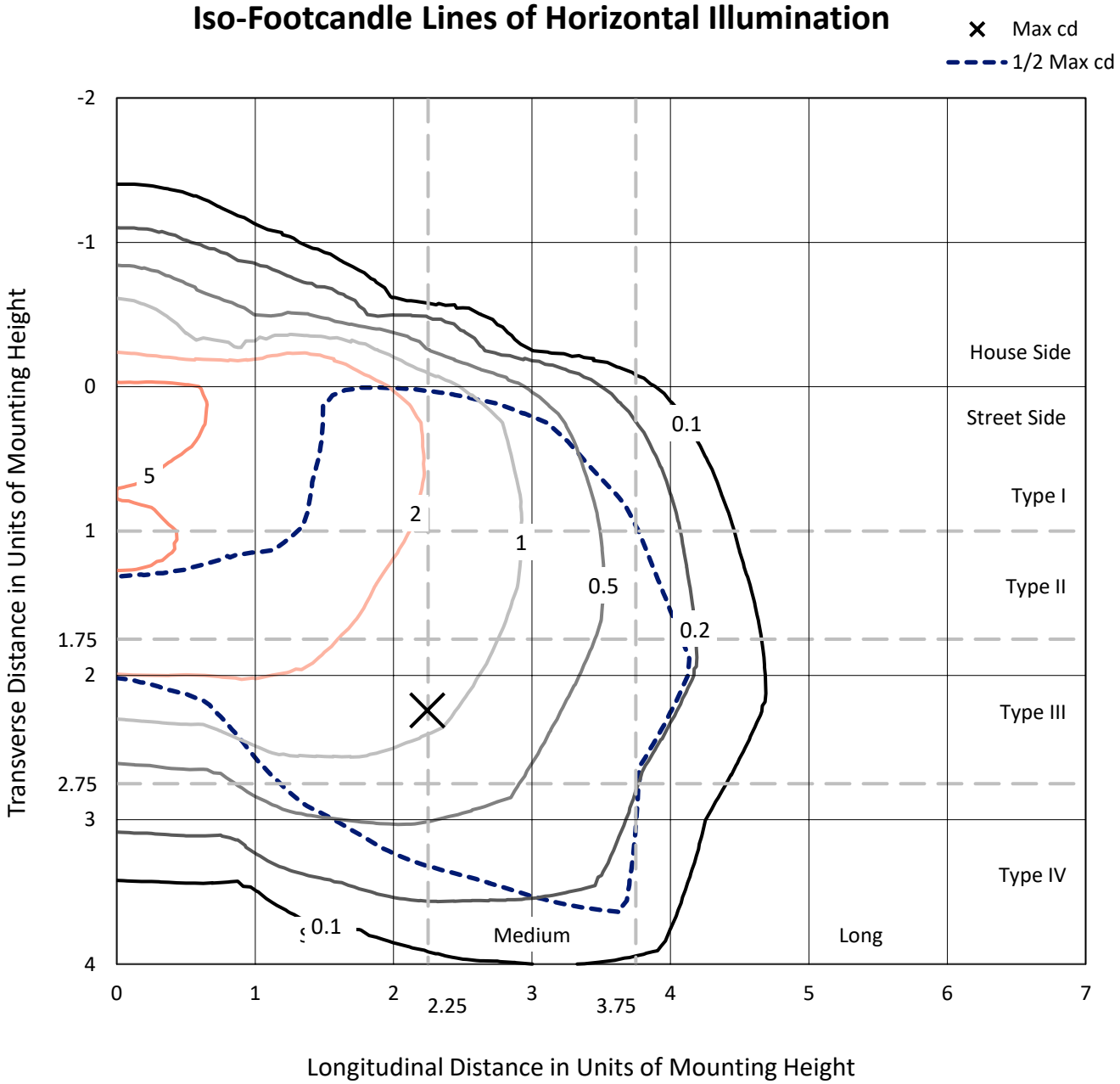


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1201980
CATALOG NUMBER: GWC-SB1C-827-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



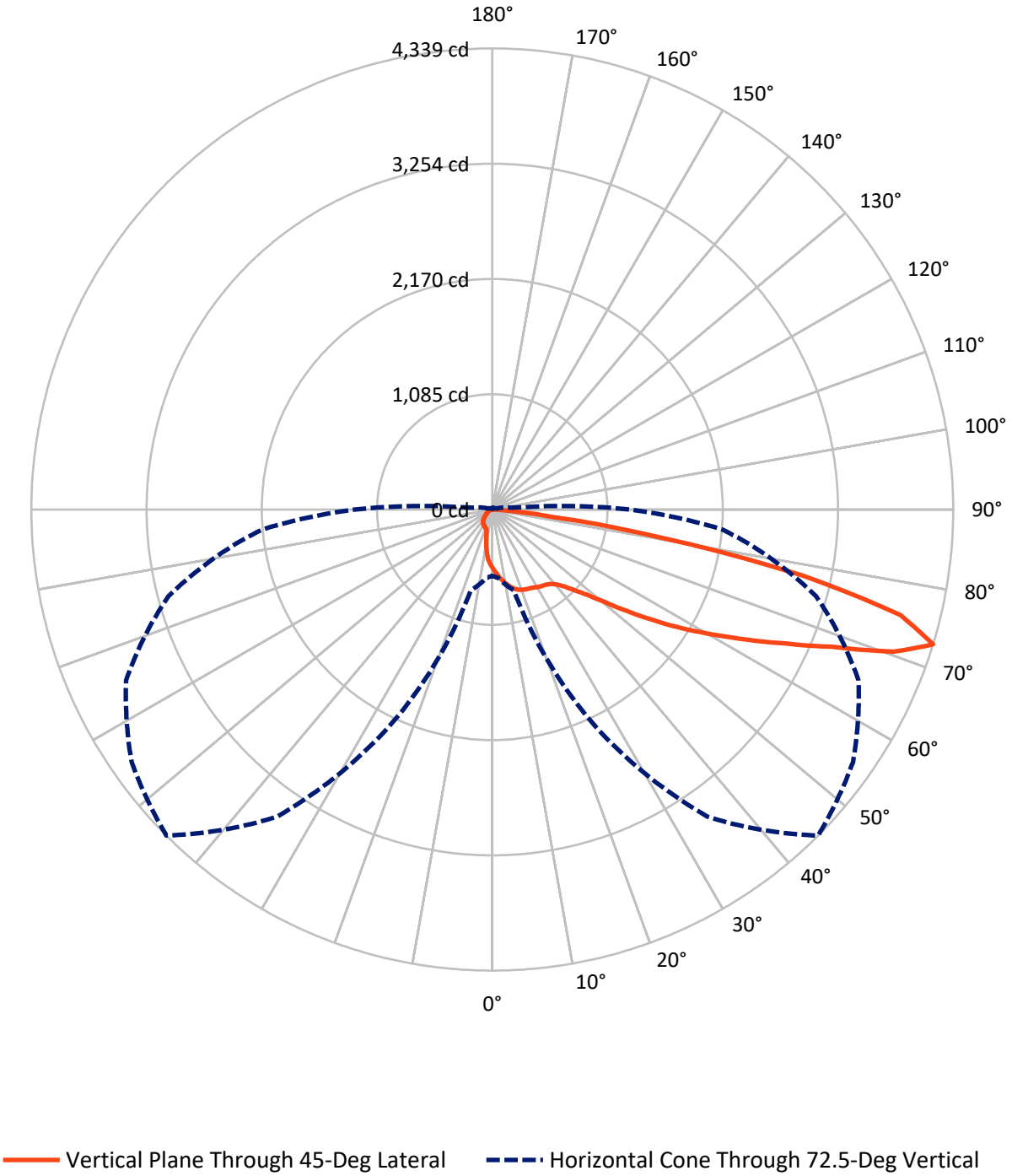
Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1201980
CATALOG NUMBER: GWC-SB1C-827-U-T4W-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

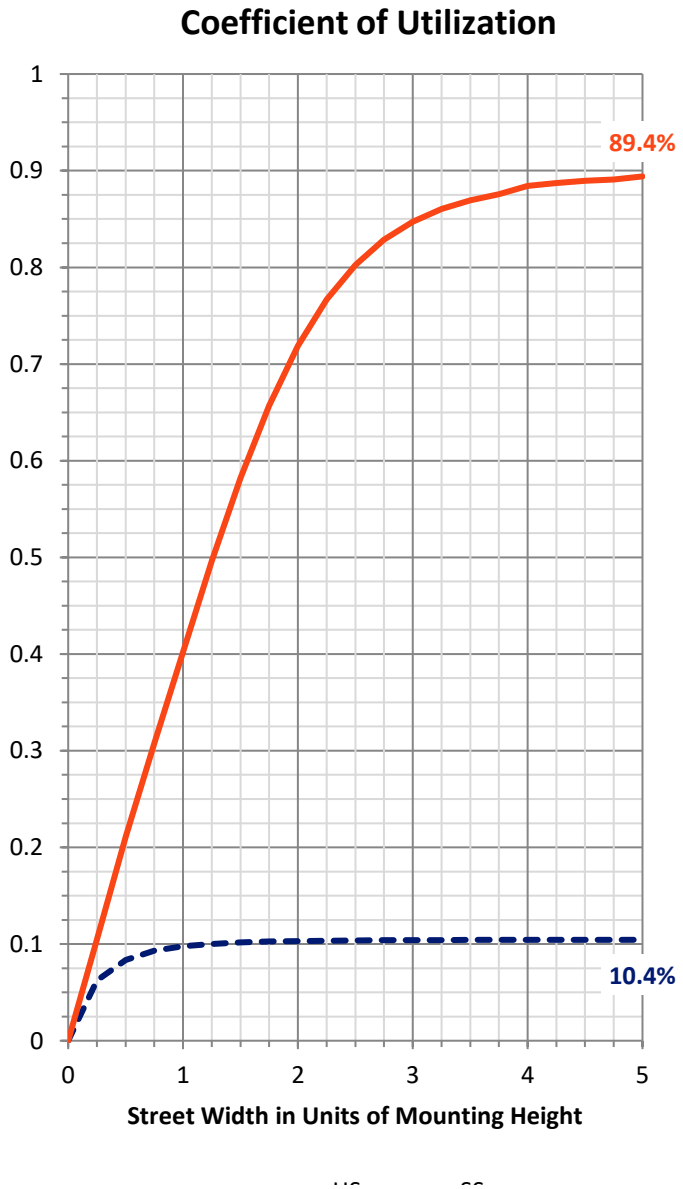
REPORT NUMBER: P1201980
CATALOG NUMBER: GWC-SB1C-827-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	529.9	0.0	529.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4513.1	0.0	4513.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	5043.0	0.0	5043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.0
10°-20°	152.1	3.0
20°-30°	249.8	5.0
30°-40°	354.3	7.0
40°-50°	585.6	11.6
50°-60°	1052.0	20.9
60°-70°	1460.8	29.0
70°-80°	1059.6	21.0
80°-90°	76.6	1.5
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°	5043.0	100.0
0°-180°	5043.0	100.0



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

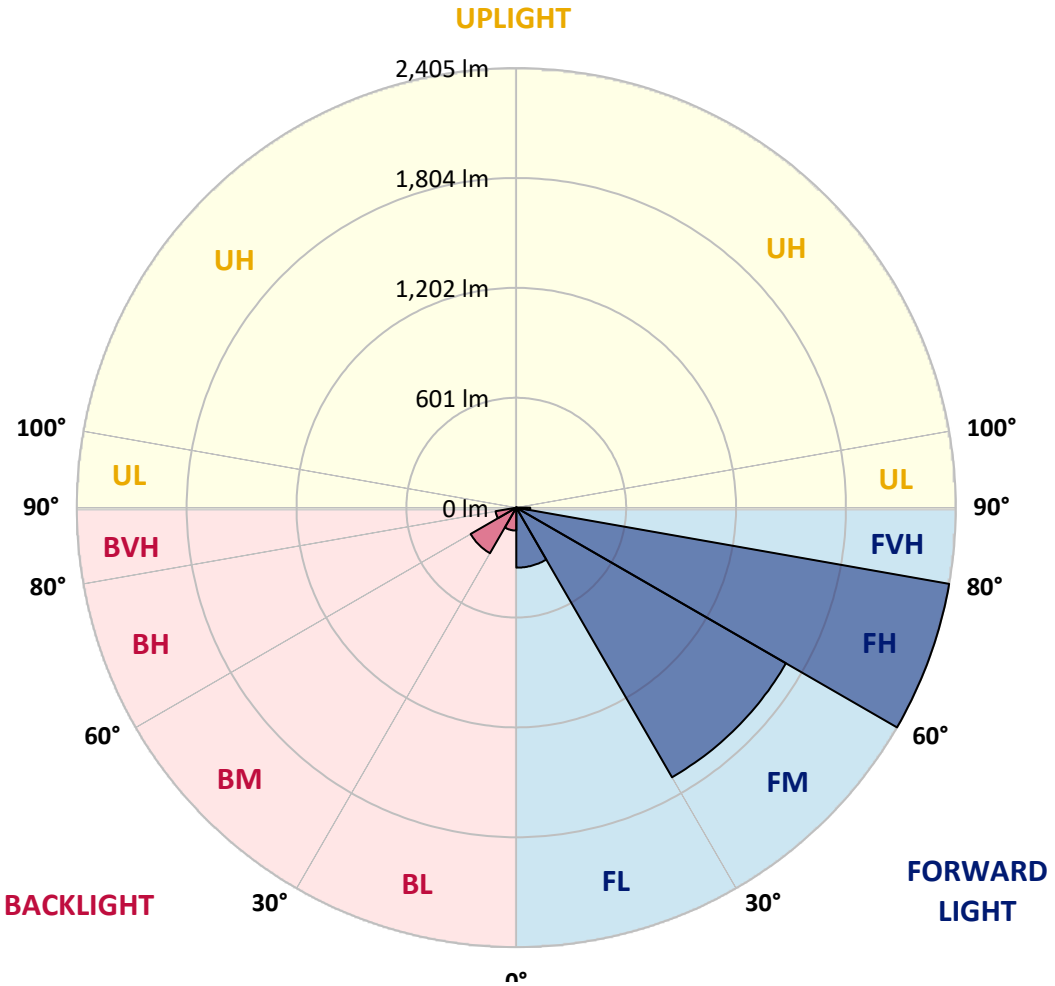
Scaled Data Report

REPORT NUMBER: P1201980
CATALOG NUMBER: GWC-SB1C-827-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	328.5	6.5			
FM	(30°-60°)	1703.8	33.8			
FH	(60°-80°)	2404.9	47.7			G2/5000
FVH	(80°-90°)	76.0	1.5			G1/100
BL	(0°-30°)	125.5	2.5	B1/500		
BM	(30°-60°)	288.2	5.7	B1/1000		
BH	(60°-80°)	115.6	2.3	B1/500		G1/500
BVH	(80°-90°)	0.6	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: P1201980
CATALOG NUMBER: GWC-SB1C-827-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	603.4	604.4	603.8	599.6	592.7	589.0	586.9	580.0	575.5	567.6	559.4
5°	658.8	663.0	660.6	652.3	639.2	629.9	627.2	613.1	600.3	585.5	568.3
7.5°	717.7	719.8	715.3	704.6	687.1	671.2	668.8	649.2	628.9	606.2	582.8
10°	768.6	771.1	764.2	748.7	728.7	709.1	705.6	684.0	659.9	632.0	602.0
12.5°	811.3	813.7	804.8	786.2	764.2	743.9	740.4	717.7	691.2	660.2	623.0
15°	843.7	848.2	836.1	816.1	792.4	772.1	770.4	748.0	722.2	687.7	648.2
17.5°	862.6	867.1	855.7	831.6	811.3	794.1	792.0	773.5	749.4	716.3	672.6
20°	865.7	869.8	857.8	836.8	819.9	806.2	805.1	791.7	774.1	742.5	699.1
22.5°	856.4	861.6	850.6	833.7	822.0	814.8	813.4	805.8	795.8	769.0	723.9
25°	846.8	850.9	842.6	827.8	821.7	821.0	822.0	820.6	818.6	795.8	752.8
27.5°	846.1	850.6	841.3	827.2	823.7	830.9	832.0	838.5	840.2	820.3	780.7
30°	851.9	855.0	846.1	831.3	829.6	846.1	846.4	858.1	860.9	840.9	808.2
32.5°	864.7	868.1	859.2	837.5	835.1	858.1	859.2	874.7	879.1	863.0	837.1
35°	894.6	898.8	888.4	854.7	846.1	869.5	872.6	890.8	899.8	886.4	867.1
37.5°	969.3	957.3	943.2	889.5	871.2	887.4	892.6	913.9	929.7	914.2	902.9
40°	1154.9	1117.0	1072.9	948.7	915.3	925.6	929.7	951.1	972.8	957.6	952.1
42.5°	1433.3	1388.6	1317.7	1085.0	981.7	986.9	990.0	1008.6	1039.2	1027.1	1028.5
45°	1681.5	1665.3	1593.0	1317.7	1106.0	1080.5	1084.3	1093.9	1139.0	1134.5	1143.5
47.5°	1872.2	1862.9	1807.1	1584.8	1315.9	1195.1	1205.8	1210.3	1275.3	1291.2	1315.3
50°	2018.8	2015.4	1965.5	1822.3	1590.3	1364.1	1367.9	1358.3	1455.7	1494.9	1540.7
52.5°	2157.2	2168.9	2132.1	2042.9	1883.2	1585.5	1584.8	1539.3	1670.8	1730.0	1808.2
55°	2282.2	2286.3	2290.1	2268.1	2177.9	1837.4	1830.9	1756.5	1920.4	1981.7	2066.3
57.5°	2399.6	2401.3	2435.0	2480.1	2484.6	2108.0	2095.9	2006.8	2193.0	2236.7	2288.7
60°	2478.4	2486.3	2557.5	2682.8	2737.6	2387.2	2380.6	2289.7	2470.5	2490.8	2481.1
62.5°	2364.8	2413.0	2592.7	2841.2	2976.5	2696.6	2693.5	2608.1	2762.4	2745.8	2663.2
65°	1914.2	1995.8	2311.8	2948.2	3210.9	3042.2	3046.7	2955.8	3062.2	3008.5	2811.2
67.5°	1339.0	1425.1	1798.9	2956.8	3472.8	3448.0	3473.9	3331.4	3380.6	3260.1	2846.3
70°	925.9	970.4	1213.7	2771.7	3676.9	4007.1	4006.4	3792.6	3697.3	3374.7	2667.4
72.5°	622.7	645.8	788.3	2198.9	3526.9	4339.2	4319.3	4145.1	3804.0	3156.1	2179.3
75°	262.6	279.5	364.9	1235.7	2790.2	3969.9	3915.8	3663.2	3379.9	2485.3	1359.7
77.5°	83.3	90.5	143.9	442.3	1536.9	2984.0	2926.9	2287.7	2265.3	1246.8	497.1
80°	39.6	46.1	80.9	177.6	604.8	1623.0	1615.1	1037.8	974.5	336.6	99.8
82.5°	17.2	20.3	44.7	95.0	270.6	579.0	590.7	353.2	292.2	127.7	30.6
85°	5.5	7.2	20.7	43.7	114.3	143.9	142.2	84.0	117.7	69.5	10.7
87.5°	0.0	0.0	6.9	10.0	11.7	8.3	9.3	7.2	32.7	19.3	3.8
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: P1201980
CATALOG NUMBER: GWC-SB1C-827-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	555.2	549.7	540.1	531.1	523.2	515.3	510.5	503.6	502.9	502.9	504.6
5°	559.0	550.1	532.9	514.6	493.6	473.6	453.7	434.4	428.2	423.7	425.8
7.5°	570.0	555.9	528.7	494.0	454.0	410.3	379.7	346.6	333.9	327.0	328.0
10°	585.9	566.6	525.3	464.4	399.6	340.1	296.4	260.6	246.8	241.0	241.0
12.5°	603.4	579.7	519.1	427.5	340.1	268.8	226.2	209.6	207.6	207.6	207.6
15°	624.4	595.5	508.4	384.1	277.8	212.7	197.6	198.3	200.3	201.7	201.7
17.5°	646.1	612.4	491.5	335.6	222.7	191.4	191.7	192.8	194.5	195.9	195.9
20°	669.5	629.2	469.2	284.0	191.0	185.2	186.2	187.3	188.6	189.3	189.7
22.5°	694.6	645.1	442.7	233.4	180.4	180.0	180.4	181.4	183.1	183.1	183.8
25°	721.5	662.6	412.4	196.5	174.9	174.9	175.6	176.2	177.6	177.6	178.0
27.5°	749.0	678.8	380.4	177.3	170.0	169.7	169.7	170.7	171.4	171.8	172.1
30°	779.3	697.7	348.3	173.1	166.3	164.5	163.5	164.2	164.9	165.2	165.9
32.5°	810.3	716.0	319.8	174.9	162.5	159.4	155.9	155.2	155.2	156.6	157.7
35°	844.7	735.9	297.7	180.7	160.4	151.8	146.3	143.2	143.5	145.6	146.6
37.5°	886.0	760.0	281.6	185.9	159.0	143.2	134.2	130.5	128.0	130.5	129.8
40°	940.1	795.5	269.9	190.0	157.3	133.2	121.2	115.0	110.5	111.9	111.2
42.5°	1019.6	851.3	265.4	190.4	153.5	121.5	107.7	99.5	92.9	93.3	91.9
45°	1131.1	939.4	288.5	185.9	145.3	108.8	93.6	82.6	78.5	77.4	76.1
47.5°	1283.9	1067.8	341.8	176.6	133.2	96.4	79.9	70.6	67.5	65.7	64.7
50°	1488.7	1232.6	401.0	166.3	121.2	84.7	68.5	62.6	60.6	58.9	58.5
52.5°	1726.3	1399.9	449.5	155.9	109.1	74.4	61.3	57.8	56.1	54.7	54.4
55°	1944.1	1515.3	446.8	144.9	97.4	66.1	56.1	54.0	52.0	50.6	49.9
57.5°	2079.8	1531.4	368.3	132.9	84.0	59.5	51.3	49.9	47.5	45.8	45.4
60°	2142.1	1439.2	258.2	117.0	70.6	53.4	46.1	45.4	42.3	39.9	39.2
62.5°	2153.4	1267.8	172.1	97.4	58.9	47.5	41.0	39.9	35.8	31.7	29.6
65°	2107.3	1022.7	119.1	76.1	50.3	41.3	35.1	33.0	28.6	24.4	23.1
67.5°	1961.4	718.0	83.0	54.7	42.7	32.7	27.9	27.2	23.8	20.3	19.3
70°	1693.9	409.3	55.4	41.0	33.7	22.4	22.0	22.7	19.3	16.5	15.1
72.5°	*1298.7*	*187.3*	*34.4*	*29.9*	*23.1*	*15.1*	*17.6*	*17.9*	*14.8*	*12.4*	*11.0*
75°	764.5	80.2	21.7	19.3	11.7	10.0	12.7	13.1	10.0	7.9	6.9
77.5°	260.2	30.3	13.8	11.4	5.9	5.5	8.3	8.3	5.5	3.1	2.4
80°	59.2	11.4	6.9	4.5	2.8	2.4	2.8	2.4	1.4	0.3	0.0
82.5°	16.9	4.5	2.8	1.7	1.0	1.0	0.3	0.0	0.0	0.0	0.0
85°	4.8	2.1	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.3	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)