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: P1203463

Luminaire Tested: GWC-SB2C-827-U-SL3

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:	P1203463
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-SL3
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12725 lumens
Efficiency:	N/A
Efficacy:	126.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

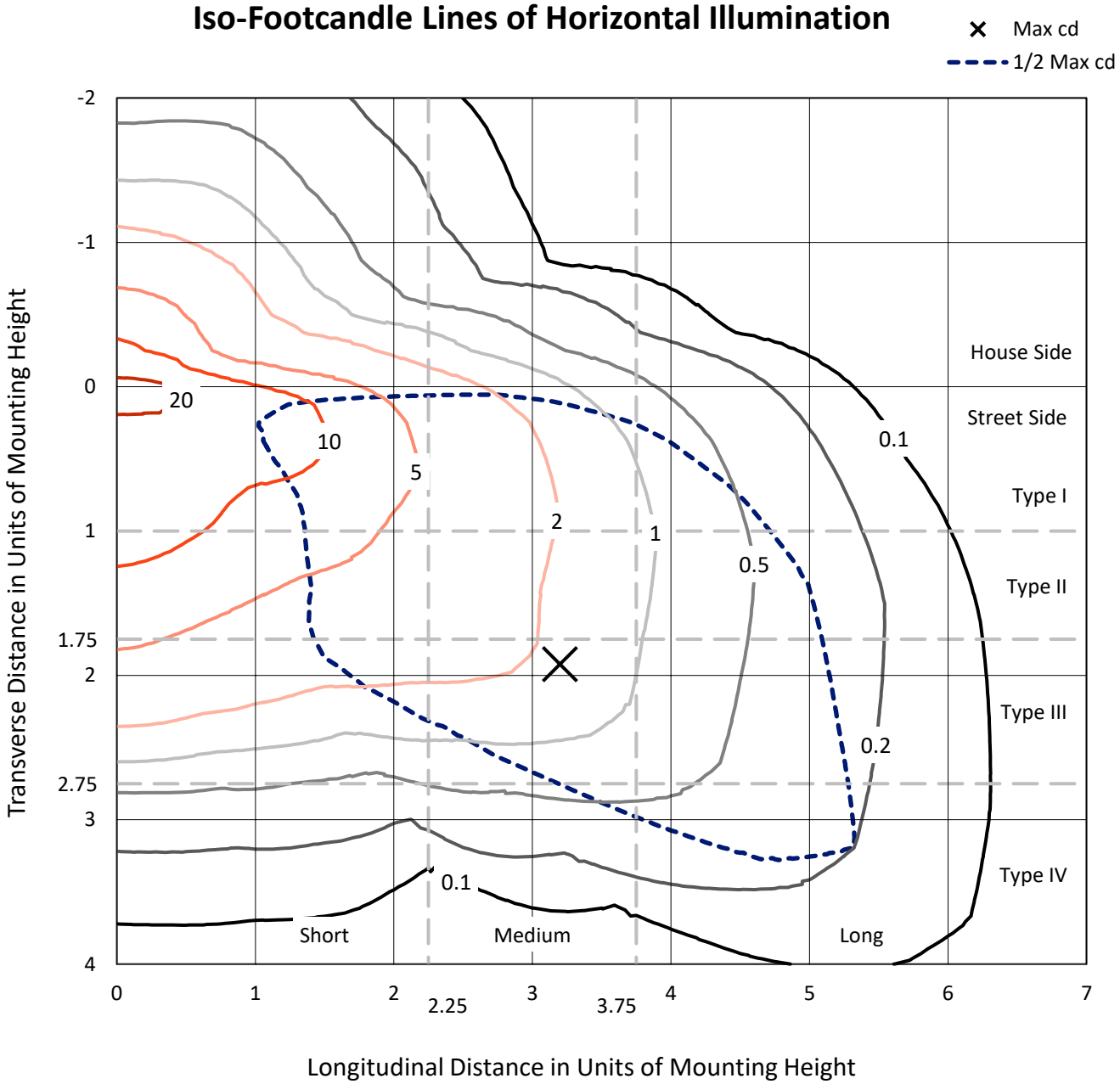


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1203463
CATALOG NUMBER: GWC-SB2C-827-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



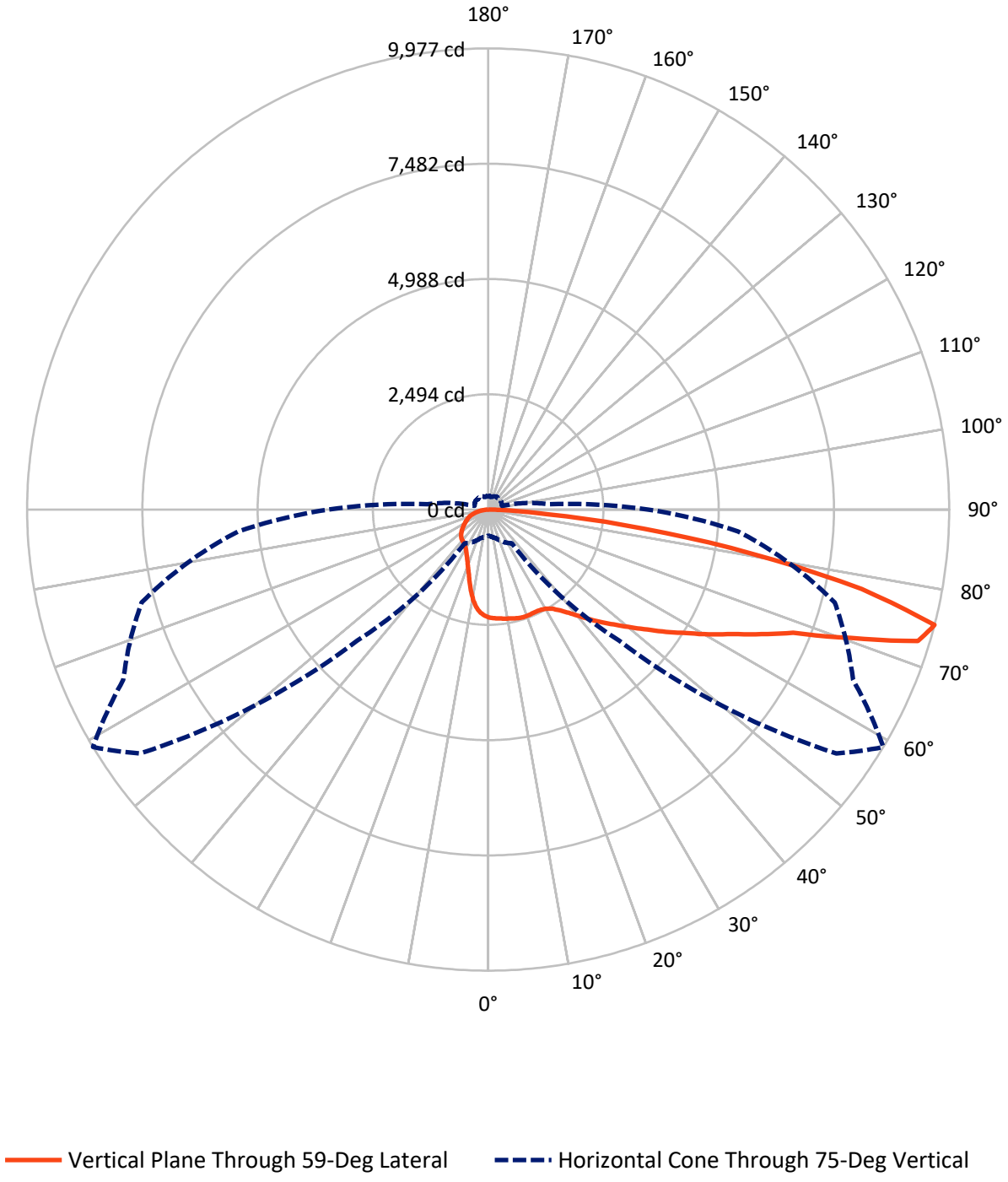
Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
Type IV - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1203463
CATALOG NUMBER: GWC-SB2C-827-U-SL3

Luminous Intensity Polar Plot



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

Scaled Data Report

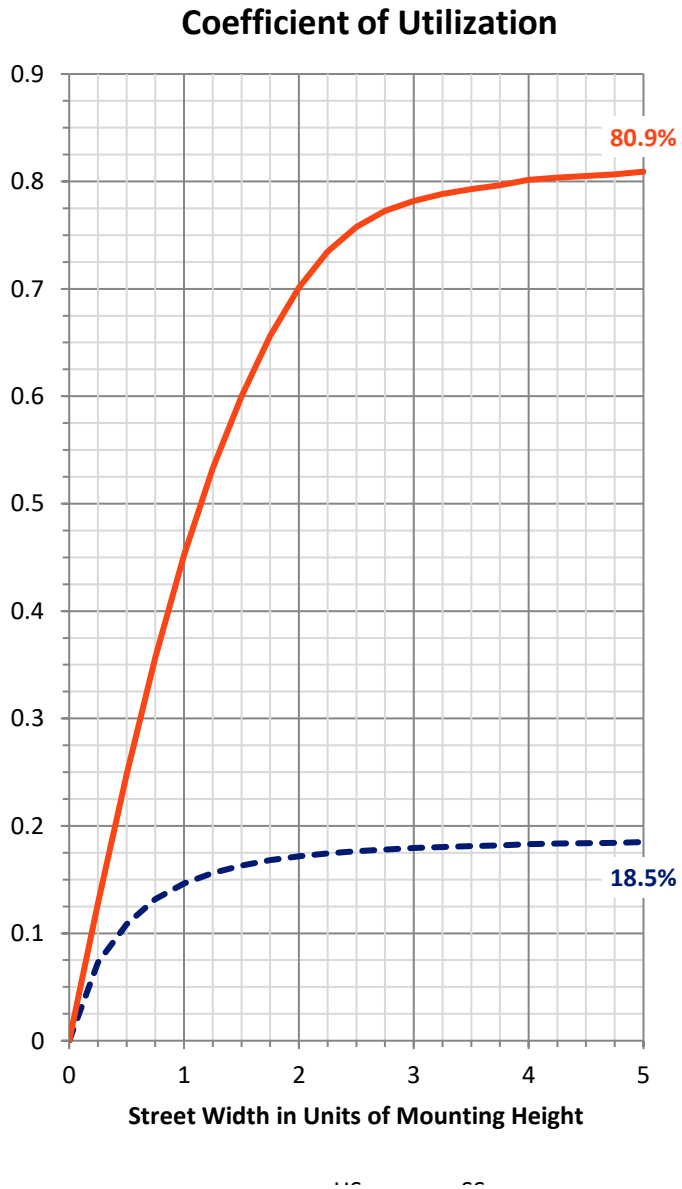
REPORT NUMBER: P1203463
CATALOG NUMBER: GWC-SB2C-827-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2386.7	0.0	2386.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	10338.3	0.0	10338.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	12725.0	0.0	12725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.4	1.6
10°-20°	535.3	4.2
20°-30°	813.1	6.4
30°-40°	1208.6	9.5
40°-50°	1797.5	14.1
50°-60°	2439.8	19.2
60°-70°	2978.7	23.4
70°-80°	2337.6	18.4
80°-90°	404.9	3.2
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°	12725.0	100.0
0°-180°	12725.0	100.0



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

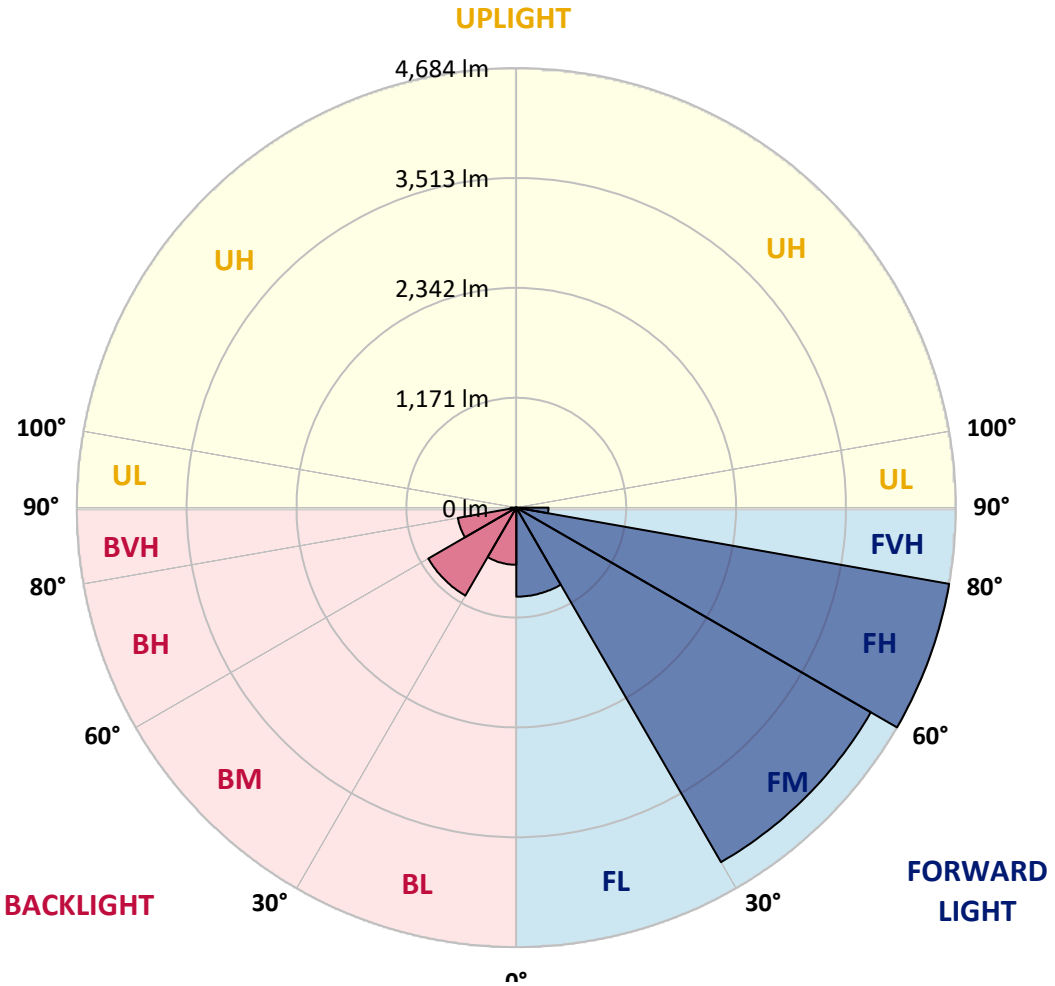
Scaled Data Report

REPORT NUMBER: P1203463
CATALOG NUMBER: GWC-SB2C-827-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	948.8	7.5			
FM	(30°-60°)	4362.7	34.3			
FH	(60°-80°)	4683.9	36.8			G2/5000
FVH	(80°-90°)	342.9	2.7			G3/500
BL	(0°-30°)	609.0	4.8	B2/1000		
BM	(30°-60°)	1083.3	8.5	B2/2500		
BH	(60°-80°)	632.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	62.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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

Scaled Data Report

REPORT NUMBER: P1203463
CATALOG NUMBER: GWC-SB2C-827-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6
2.5°	2355.5	2347.3	2355.5	2352.1	2350.7	2348.0	2348.7	2353.4	2350.7	2354.1	2342.5
5°	2339.8	2335.0	2343.2	2341.1	2350.0	2351.4	2360.3	2365.8	2369.2	2369.9	2361.0
7.5°	2313.7	2308.9	2320.6	2330.2	2349.3	2354.8	2373.3	2382.2	2387.0	2395.2	2382.2
10°	2218.6	2216.5	2245.3	2281.6	2326.7	2354.8	2382.9	2397.9	2405.5	2427.4	2412.3
12.5°	2050.2	2052.9	2090.6	2160.4	2250.8	2341.1	2393.8	2415.7	2427.4	2454.8	2447.9
15°	1889.3	1888.6	1929.7	2004.3	2131.0	2280.9	2399.3	2437.0	2456.8	2497.2	2491.7
17.5°	1796.2	1793.5	1822.2	1879.1	1996.8	2188.5	2385.6	2448.6	2491.0	2541.7	2536.9
20°	1779.1	1773.6	1788.7	1816.8	1900.3	2087.2	2350.0	2448.6	2518.4	2584.1	2581.4
22.5°	1841.4	1832.5	1826.3	1822.9	1859.9	2003.6	2309.6	2440.4	2558.8	2645.1	2640.3
25°	1966.7	1953.0	1921.5	1890.7	1879.7	1966.0	2274.0	2438.3	2619.0	2727.2	2709.4
27.5°	2169.3	2152.2	2088.5	2014.6	1948.2	1985.2	2258.3	2450.6	2685.4	2814.1	2778.5
30°	2420.5	2402.0	2322.0	2208.3	2089.2	2056.4	2278.1	2486.9	2770.3	2929.8	2860.0
32.5°	2645.7	2625.2	2556.8	2441.1	2280.2	2179.6	2341.1	2556.1	2903.8	3090.7	2982.5
35°	2845.6	2821.7	2760.1	2653.3	2514.3	2352.8	2454.8	2678.6	3093.4	3352.2	3148.9
37.5°	3041.4	3013.3	2946.3	2833.3	2736.1	2583.4	2611.5	2836.0	3345.3	3669.8	3369.3
40°	3260.5	3220.1	3138.6	3027.0	2932.6	2853.8	2817.6	3029.1	3601.4	4024.4	3644.5
42.5°	3472.7	3434.3	3337.1	3242.0	3123.5	3101.0	3056.5	3255.0	3881.3	4413.9	3923.8
45°	3701.3	3655.4	3537.7	3417.2	3342.6	3265.2	3287.8	3480.9	4155.8	4810.9	4216.8
47.5°	3915.6	3864.2	3725.3	3591.1	3550.0	3403.5	3500.0	3729.4	4441.3	5213.4	4507.0
50°	4031.2	3980.6	3864.9	3743.7	3711.6	3574.0	3730.1	4002.5	4740.4	5614.6	4785.6
52.5°	4127.8	4073.0	3921.7	3854.6	3845.1	3759.5	4013.4	4314.6	5039.6	5969.2	5054.6
55°	4230.4	4169.5	3976.5	3916.2	3960.1	3967.6	4349.6	4668.6	5355.8	6314.9	5308.6
57.5°	4348.9	4271.5	4029.2	3968.3	4072.3	4211.3	4735.6	5035.5	5666.6	6635.2	5534.5
60°	4460.5	4382.4	4130.5	4051.1	4193.5	4494.0	5178.5	5479.7	6018.5	6920.7	5748.1
62.5°	4482.4	4418.0	4211.3	4210.6	4357.8	4823.9	5702.9	5928.1	6325.8	7202.7	5939.7
65°	4103.1	4062.7	3940.2	4204.4	4593.3	5299.0	6286.8	6501.7	6716.7	7449.1	6108.1
67.5°	3122.9	3128.3	3119.4	3629.4	4403.0	5981.5	7132.2	7115.8	7199.3	7725.7	6301.9
70°	1427.9	1460.1	1669.6	2505.4	3527.4	6060.2	8530.0	8317.1	7805.1	8083.7	6469.6
72.5°	771.5	796.1	881.7	1213.7	2120.7	5388.0	9574.6	9725.9	8610.8	8324.7	6285.4
75°	566.1	579.8	639.4	771.5	890.6	4004.6	9200.2	9976.5	8711.4	7762.7	5427.7
77.5°	423.7	429.9	478.5	611.3	455.9	2111.1	7351.3	8262.4	7457.4	6377.8	4009.3
80°	307.4	314.2	350.5	458.6	319.7	772.2	5047.8	5799.4	5107.3	4065.5	1998.2
82.5°	212.2	214.9	230.7	312.1	223.2	299.8	2864.1	3400.8	2851.1	1426.6	539.4
85°	128.0	131.4	138.3	182.1	126.6	142.4	1236.3	1278.7	852.3	340.9	167.7
87.5°	52.7	56.1	61.6	76.7	50.0	39.7	204.0	256.0	159.5	99.9	52.0
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: P1203463
CATALOG NUMBER: GWC-SB2C-827-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6	2335.6
2.5°	2339.1	2334.3	2321.3	2303.5	2287.0	2266.5	2257.6	2250.1	2243.2	2230.2	2224.1
5°	2353.4	2340.4	2305.5	2260.3	2209.0	2152.9	2098.1	2060.5	2028.3	2004.3	1984.5
7.5°	2375.3	2350.7	2287.0	2194.6	2076.9	1956.4	1847.6	1770.2	1712.0	1690.8	1653.8
10°	2397.9	2368.5	2257.6	2094.7	1891.4	1705.9	1561.4	1482.0	1435.5	1420.4	1397.1
12.5°	2424.6	2381.5	2211.7	1955.7	1684.0	1480.7	1354.7	1308.2	1284.2	1276.0	1278.0
15°	2463.7	2392.5	2142.6	1781.9	1486.1	1316.4	1234.9	1202.7	1190.4	1189.7	1192.5
17.5°	2493.1	2394.5	2035.1	1595.7	1334.2	1217.1	1150.0	1137.7	1145.9	1158.2	1163.0
20°	2525.9	2376.0	1894.1	1425.9	1227.4	1130.2	1102.1	1110.3	1130.2	1148.0	1154.1
22.5°	2549.2	2342.5	1723.7	1293.8	1135.0	1080.2	1078.8	1095.9	1106.9	1115.8	1120.6
25°	2569.8	2285.7	1542.9	1182.9	1059.0	1050.1	1065.1	1059.7	1052.1	1059.7	1064.5
27.5°	2584.8	2196.0	1381.4	1085.7	1005.6	1029.5	1020.6	1008.3	1007.6	1011.7	1018.6
30°	2580.0	2076.2	1248.6	993.3	967.9	991.2	970.0	967.9	965.9	967.9	975.5
32.5°	2580.0	1940.0	1146.6	929.6	944.0	935.1	933.0	928.2	920.0	919.3	928.2
35°	2594.4	1803.8	1059.0	895.4	924.1	902.9	904.3	892.6	875.5	867.3	875.5
37.5°	2623.8	1694.2	972.0	878.9	889.2	888.5	883.1	863.2	833.1	807.1	816.0
40°	2695.0	1662.1	912.5	871.4	872.8	881.0	866.6	828.3	759.8	717.4	722.9
42.5°	2806.6	1716.1	899.5	852.9	861.8	870.0	842.0	753.0	704.4	679.1	679.1
45°	2948.3	1810.6	927.5	826.2	835.8	850.2	766.7	724.2	702.3	703.0	706.4
47.5°	3127.7	1909.9	979.6	803.0	798.2	806.4	716.7	690.7	660.6	668.1	687.3
50°	3335.1	2010.5	1028.9	771.5	756.4	729.7	684.5	659.9	621.6	603.8	608.6
52.5°	3559.6	2107.7	1048.7	733.1	711.2	680.4	662.6	632.5	586.0	556.5	555.8
55°	3772.5	2196.0	1026.8	687.3	666.1	642.1	639.4	620.9	570.9	529.8	529.8
57.5°	3973.7	2269.9	972.0	640.7	620.2	605.8	624.3	615.4	552.4	499.7	497.0
60°	4144.2	2320.6	892.6	593.5	579.1	571.6	599.7	596.9	526.4	467.5	465.5
62.5°	4279.7	2340.4	805.0	548.3	544.9	531.2	565.4	565.4	493.6	436.1	434.0
65°	4385.8	2321.3	716.0	503.8	510.7	490.1	523.7	519.6	458.6	408.0	405.2
67.5°	4479.6	2258.3	617.5	460.0	475.8	449.7	479.9	470.3	420.3	379.9	377.2
70°	4521.4	2111.8	505.2	416.2	435.4	410.0	436.1	418.3	377.2	349.8	344.3
72.5°	4186.0	1755.2	397.7	370.3	386.8	366.2	388.8	368.3	330.6	318.3	308.0
75°	*3463.1*	*1317.1*	*306.0*	*320.4*	*332.7*	*316.9*	*332.0*	*316.9*	*282.7*	*291.6*	*266.3*
77.5°	2515.0	889.2	234.1	267.7	273.1	264.9	277.9	260.8	230.0	228.0	217.7
80°	1250.7	520.9	183.5	211.5	209.5	204.0	219.1	210.8	184.8	195.8	193.7
82.5°	362.1	223.2	133.5	148.5	144.4	145.8	156.8	160.9	241.0	238.9	244.4
85°	113.6	87.6	80.1	82.8	78.7	80.8	92.4	183.5	169.8	99.3	107.5
87.5°	29.4	30.1	19.9	21.2	21.9	26.0	29.4	111.6	53.4	34.9	37.0
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)