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: P1201232

Luminaire Tested: GWC-SB1A-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:	P1201232
	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-SB1A-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA 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:	3021 lumens
Efficiency:	N/A
Efficacy:	97.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

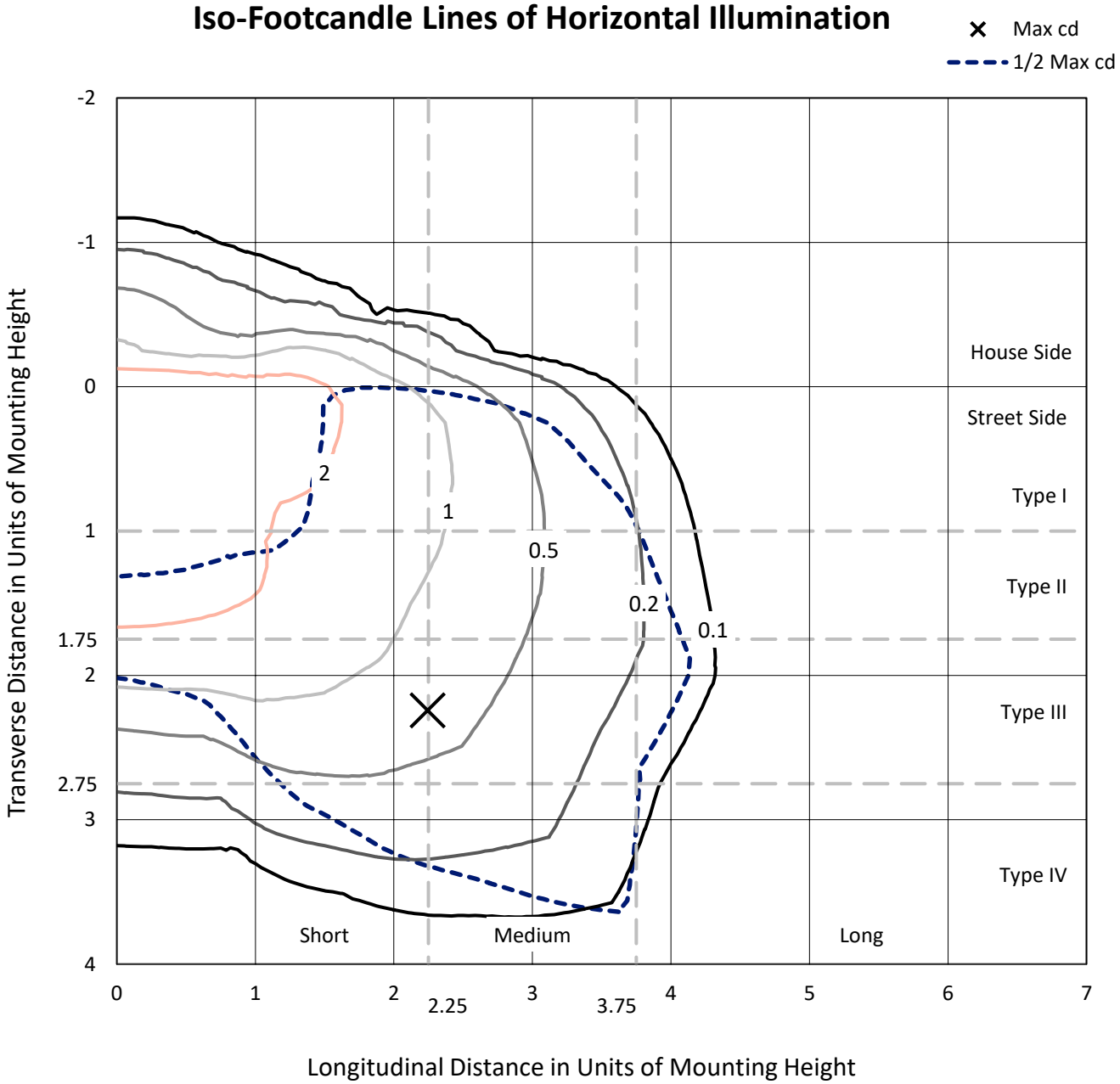


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1201232
CATALOG NUMBER: GWC-SB1A-827-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



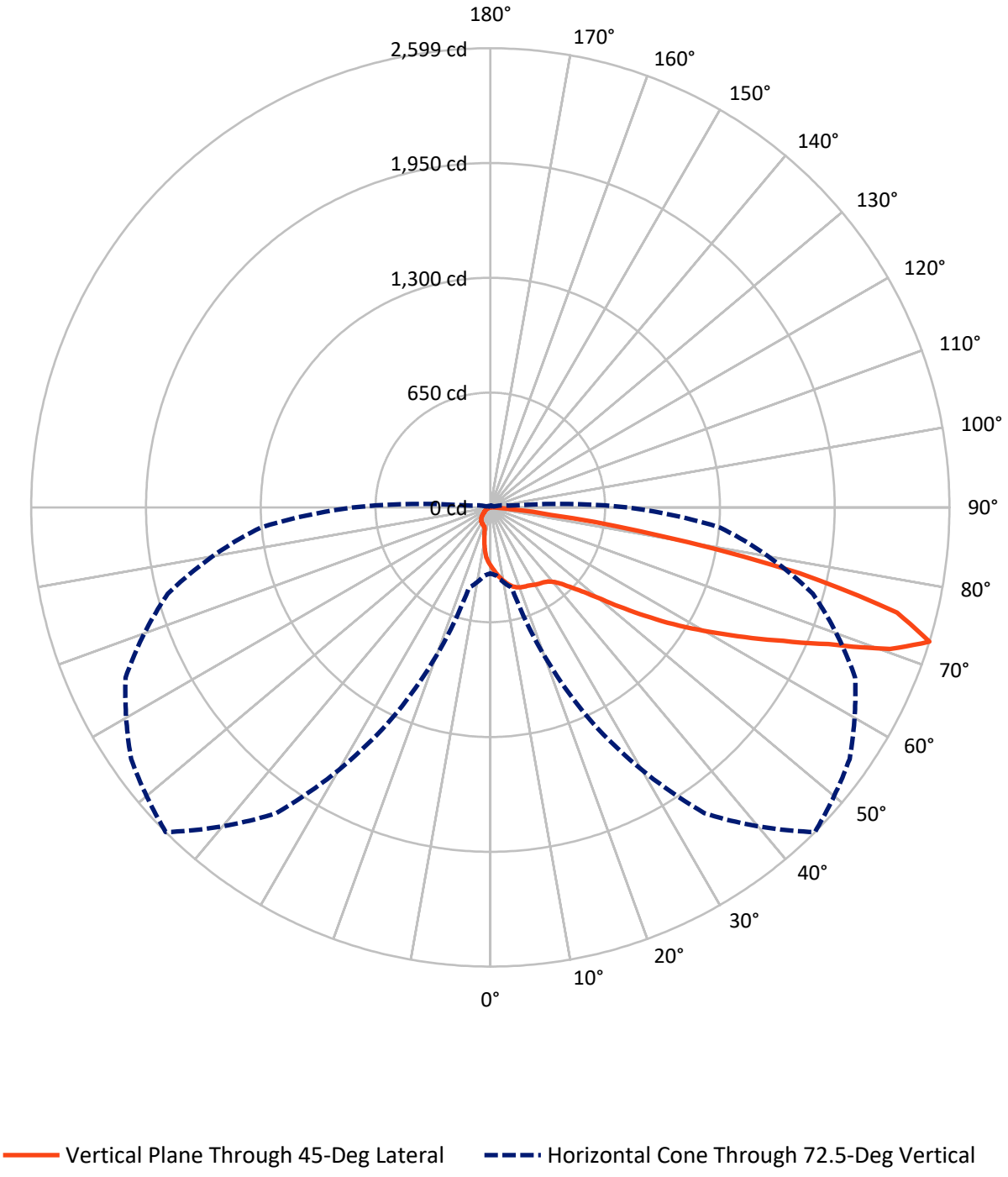
Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1201232
CATALOG NUMBER: GWC-SB1A-827-U-T4W-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

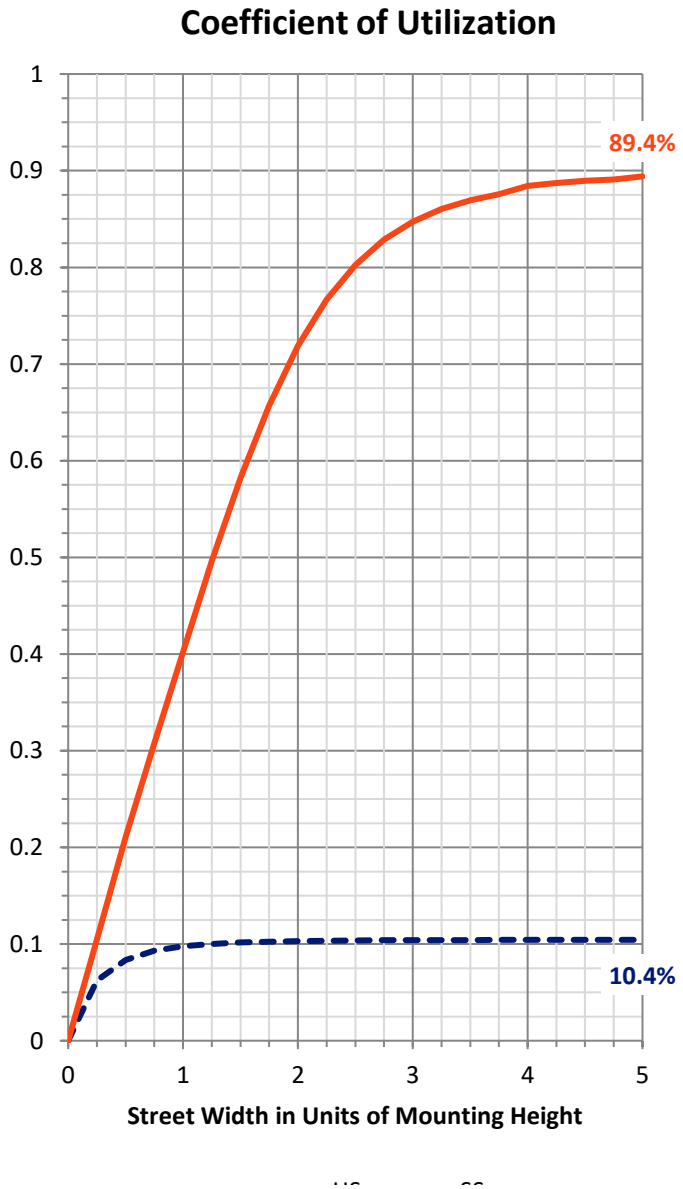
REPORT NUMBER: P1201232
CATALOG NUMBER: GWC-SB1A-827-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	317.4	0.0	317.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2703.6	0.0	2703.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	3021.0	0.0	3021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	1.0
10°-20°	91.1	3.0
20°-30°	149.7	5.0
30°-40°	212.3	7.0
40°-50°	350.8	11.6
50°-60°	630.2	20.9
60°-70°	875.1	29.0
70°-80°	634.8	21.0
80°-90°	45.9	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°	3021.0	100.0
0°-180°	3021.0	100.0



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

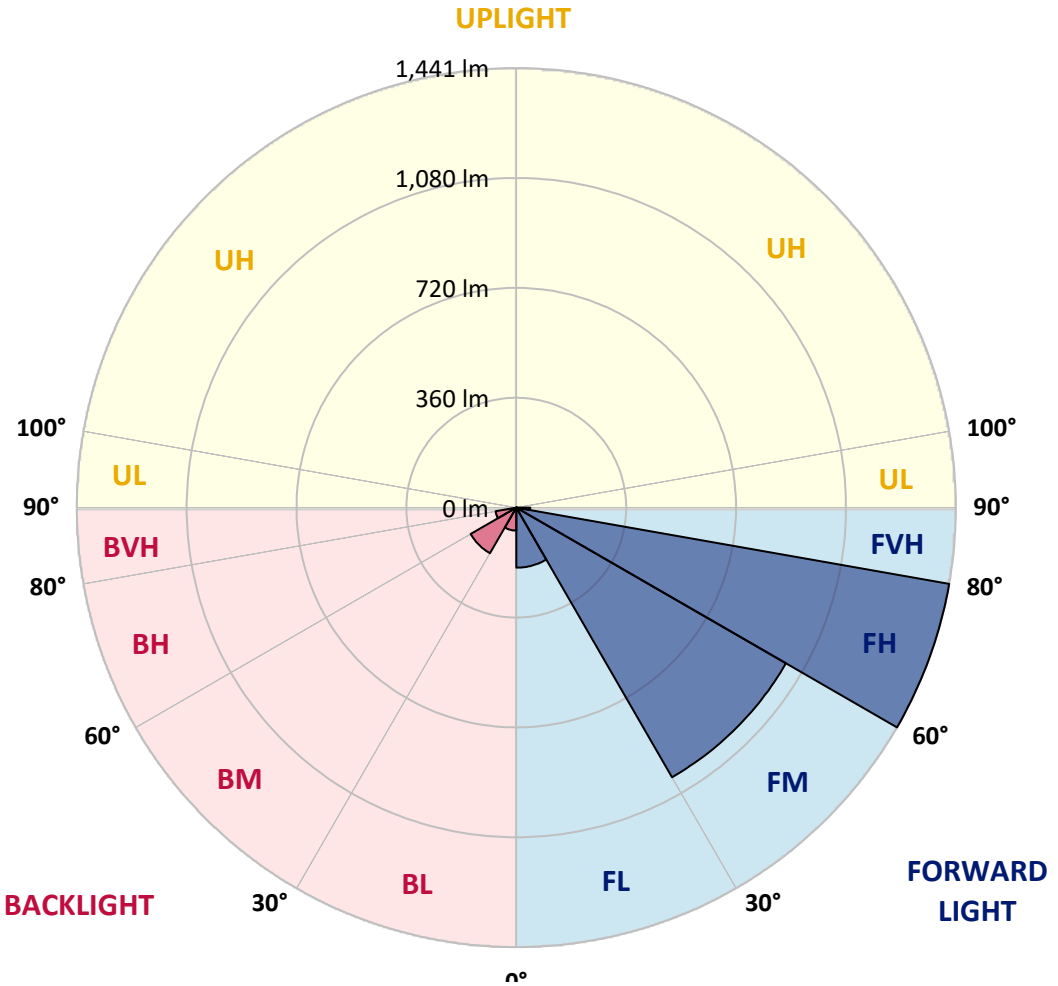
Scaled Data Report

REPORT NUMBER: P1201232
CATALOG NUMBER: GWC-SB1A-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°)	196.8	6.5			
FM	(30°-60°)	1020.7	33.8			
FH	(60°-80°)	1440.6	47.7			G1/1800
FVH	(80°-90°)	45.5	1.5			G1/100
BL	(0°-30°)	75.2	2.5	B0/110		
BM	(30°-60°)	172.6	5.7	B0/220		
BH	(60°-80°)	69.2	2.3	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type IV Short



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

Scaled Data Report

REPORT NUMBER: P1201232
CATALOG NUMBER: GWC-SB1A-827-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0
2.5°	361.5	362.1	361.7	359.2	355.1	352.8	351.6	347.5	344.8	340.0	335.1
5°	394.7	397.1	395.7	390.8	382.9	377.4	375.7	367.2	359.6	350.8	340.4
7.5°	429.9	431.2	428.5	422.1	411.6	402.1	400.7	388.9	376.7	363.1	349.1
10°	460.5	461.9	457.8	448.5	436.5	424.8	422.7	409.7	395.3	378.6	360.7
12.5°	486.0	487.5	482.1	471.0	457.8	445.6	443.5	429.9	414.1	395.5	373.2
15°	505.4	508.1	500.9	488.9	474.7	462.5	461.5	448.1	432.6	412.0	388.3
17.5°	516.7	519.4	512.6	498.2	486.0	475.7	474.5	463.3	448.9	429.1	402.9
20°	518.6	521.1	513.9	501.3	491.2	482.9	482.3	474.3	463.8	444.8	418.8
22.5°	513.0	516.1	509.5	499.4	492.4	488.1	487.3	482.7	476.7	460.7	433.6
25°	507.3	509.7	504.8	495.9	492.2	491.8	492.4	491.6	490.4	476.7	451.0
27.5°	506.8	509.5	504.0	495.5	493.4	497.8	498.4	502.3	503.3	491.4	467.7
30°	510.4	512.2	506.8	498.0	497.0	506.8	507.1	514.1	515.7	503.8	484.2
32.5°	518.0	520.0	514.7	501.7	500.3	514.1	514.7	524.0	526.6	517.0	501.5
35°	535.9	538.4	532.2	512.0	506.8	520.9	522.7	533.7	539.0	531.0	519.4
37.5°	580.7	573.5	565.0	532.8	521.9	531.6	534.7	547.5	557.0	547.7	540.9
40°	691.8	669.1	642.7	568.3	548.3	554.5	557.0	569.7	582.7	573.7	570.4
42.5°	858.6	831.8	789.3	650.0	588.1	591.2	593.0	604.2	622.5	615.3	616.1
45°	1007.3	997.6	954.3	789.3	662.5	647.3	649.5	655.3	682.3	679.6	685.0
47.5°	1121.5	1116.0	1082.6	949.4	788.3	715.9	722.3	725.0	764.0	773.5	787.9
50°	1209.4	1207.3	1177.4	1091.6	952.7	817.2	819.5	813.7	872.0	895.5	923.0
52.5°	1292.3	1299.3	1277.2	1223.8	1128.1	949.8	949.4	922.1	1000.9	1036.4	1083.2
55°	1367.1	1369.6	1371.9	1358.7	1304.7	1100.7	1096.8	1052.3	1150.4	1187.1	1237.8
57.5°	1437.4	1438.5	1458.7	1485.7	1488.4	1262.8	1255.6	1202.2	1313.7	1339.9	1371.0
60°	1484.7	1489.4	1532.1	1607.2	1639.9	1430.0	1426.1	1371.7	1479.9	1492.1	1486.3
62.5°	1416.6	1445.5	1553.1	1702.0	1783.0	1615.4	1613.5	1562.4	1654.8	1644.9	1595.4
65°	1146.7	1195.6	1384.9	1766.1	1923.5	1822.4	1825.1	1770.7	1834.4	1802.2	1684.1
67.5°	802.1	853.7	1077.6	1771.3	2080.4	2065.5	2081.0	1995.6	2025.1	1953.0	1705.1
70°	554.7	581.3	727.1	1660.4	2202.7	2400.4	2400.0	2272.0	2214.8	2021.6	1597.9
72.5°	373.0	386.8	472.2	1317.2	2112.8	2599.4	2587.4	2483.1	2278.8	1890.7	1305.5
75°	157.3	167.4	218.6	740.3	1671.5	2378.1	2345.8	2194.4	2024.7	1488.8	814.5
77.5°	49.9	54.2	86.2	265.0	920.7	1787.6	1753.4	1370.4	1357.0	746.9	297.8
80°	23.7	27.6	48.5	106.4	362.3	972.3	967.5	621.7	583.8	201.7	59.8
82.5°	10.3	12.2	26.8	56.9	162.1	346.8	353.8	211.6	175.1	76.5	18.4
85°	3.3	4.3	12.4	26.2	68.5	86.2	85.2	50.3	70.5	41.7	6.4
87.5°	0.0	0.0	4.1	6.0	7.0	4.9	5.6	4.3	19.6	11.5	2.3
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: P1201232
CATALOG NUMBER: GWC-SB1A-827-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0
2.5°	332.6	329.3	323.5	318.2	313.4	308.7	305.8	301.7	301.3	301.3	302.3
5°	334.9	329.5	319.2	308.3	295.7	283.7	271.8	260.2	256.5	253.8	255.1
7.5°	341.5	333.0	316.7	295.9	272.0	245.8	227.4	207.6	200.0	195.9	196.5
10°	351.0	339.4	314.7	278.2	239.4	203.7	177.5	156.1	147.8	144.3	144.3
12.5°	361.5	347.2	311.0	256.1	203.7	161.0	135.5	125.6	124.3	124.3	124.3
15°	374.1	356.7	304.6	230.1	166.4	127.4	118.4	118.8	120.0	120.8	120.8
17.5°	387.0	366.8	294.5	201.0	133.4	114.6	114.9	115.5	116.5	117.3	117.3
20°	401.1	376.9	281.1	170.1	114.4	110.9	111.6	112.2	113.0	113.4	113.6
22.5°	416.1	386.4	265.2	139.8	108.1	107.8	108.1	108.7	109.7	109.7	110.1
25°	432.2	396.9	247.0	117.7	104.8	104.8	105.2	105.6	106.4	106.4	106.6
27.5°	448.7	406.6	227.9	106.2	101.9	101.7	101.7	102.3	102.7	102.9	103.1
30°	466.8	418.0	208.7	103.7	99.6	98.6	97.9	98.4	98.8	99.0	99.4
32.5°	485.4	428.9	191.6	104.8	97.3	95.5	93.4	93.0	93.0	93.8	94.4
35°	506.0	440.9	178.4	108.3	96.1	90.9	87.6	85.8	86.0	87.2	87.8
37.5°	530.8	455.3	168.7	111.4	95.3	85.8	80.4	78.2	76.7	78.2	77.7
40°	563.1	476.5	161.7	113.8	94.2	79.8	72.6	68.9	66.2	67.0	66.6
42.5°	610.8	509.9	159.0	114.0	92.0	72.8	64.5	59.6	55.7	55.9	55.1
45°	677.6	562.7	172.8	111.4	87.0	65.2	56.1	49.5	47.0	46.4	45.6
47.5°	769.1	639.6	204.8	105.8	79.8	57.7	47.8	42.3	40.4	39.4	38.8
50°	891.8	738.4	240.2	99.6	72.6	50.7	41.0	37.5	36.3	35.3	35.1
52.5°	1034.1	838.6	269.3	93.4	65.4	44.5	36.7	34.6	33.6	32.8	32.6
55°	1164.6	907.7	267.7	86.8	58.4	39.6	33.6	32.4	31.1	30.3	29.9
57.5°	1245.9	917.4	220.6	79.6	50.3	35.7	30.7	29.9	28.5	27.4	27.2
60°	1283.2	862.1	154.7	70.1	42.3	32.0	27.6	27.2	25.4	23.9	23.5
62.5°	1290.0	759.4	103.1	58.4	35.3	28.5	24.5	23.9	21.4	19.0	17.7
65°	1262.4	612.6	71.3	45.6	30.1	24.7	21.0	19.8	17.1	14.6	13.8
67.5°	1174.9	430.1	49.7	32.8	25.6	19.6	16.7	16.3	14.2	12.2	11.5
70°	1014.7	245.2	33.2	24.5	20.2	13.4	13.2	13.6	11.5	9.9	9.1
72.5°	*778.0*	*112.2*	*20.6*	*17.9*	*13.8*	*9.1*	*10.5*	*10.7*	*8.9*	*7.4*	*6.6*
75°	458.0	48.0	13.0	11.5	7.0	6.0	7.6	7.8	6.0	4.7	4.1
77.5°	155.9	18.1	8.2	6.8	3.5	3.3	4.9	4.9	3.3	1.9	1.4
80°	35.5	6.8	4.1	2.7	1.6	1.4	1.6	1.4	0.8	0.2	0.0
82.5°	10.1	2.7	1.6	1.0	0.6	0.6	0.2	0.0	0.0	0.0	0.0
85°	2.9	1.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.2	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)