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: P1203091

Luminaire Tested: GWC-SB2B-827-U-SL4

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:	P1203091
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9705 lumens
Efficiency:	N/A
Efficacy:	131.3 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):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

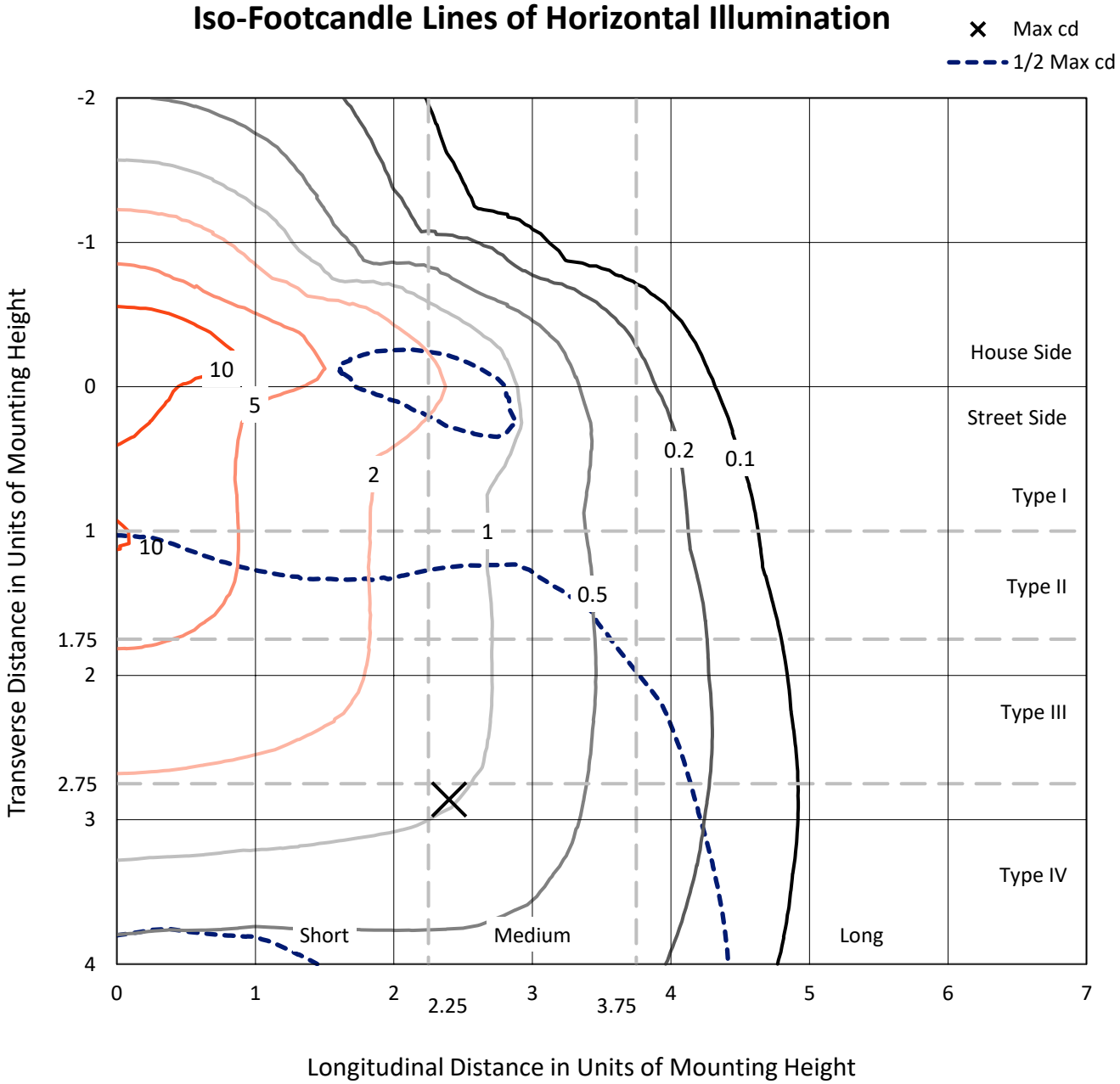


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1203091
CATALOG NUMBER: GWC-SB2B-827-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



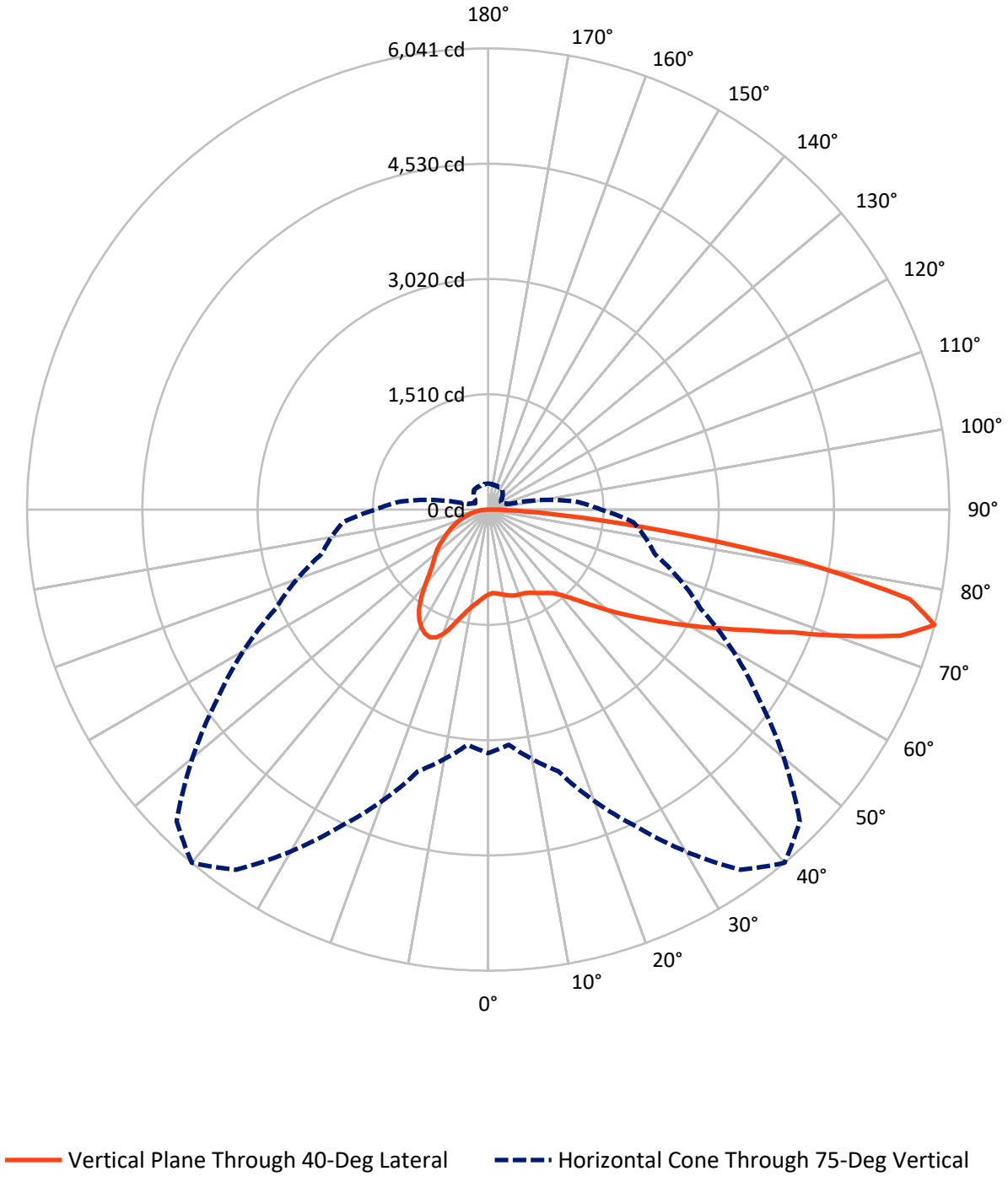
Based on 10 foot mounting height. Maximum calculated value = 14.3 fc
Type IV - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1203091
CATALOG NUMBER: GWC-SB2B-827-U-SL4

Luminous Intensity Polar Plot



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

Scaled Data Report

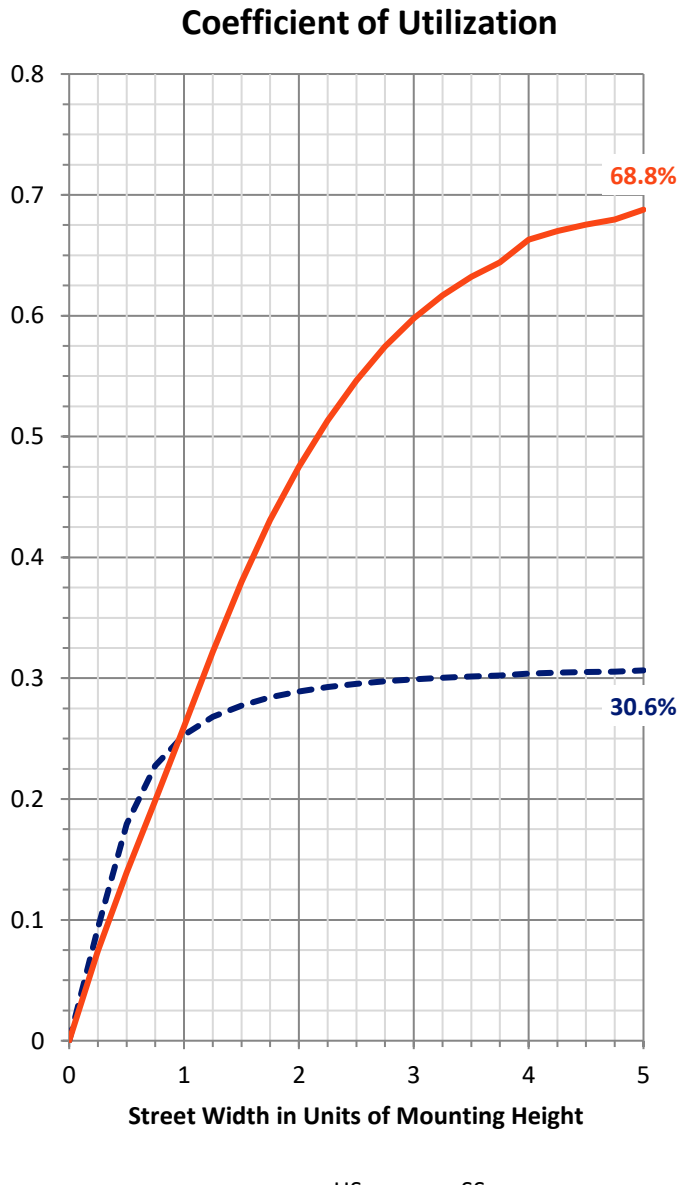
REPORT NUMBER: P1203091
CATALOG NUMBER: GWC-SB2B-827-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3006.9	0.0	3006.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6698.1	0.0	6698.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	9705.0	0.0	9705.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.1
10°-20°	371.9	3.8
20°-30°	679.1	7.0
30°-40°	963.2	9.9
40°-50°	1300.6	13.4
50°-60°	1749.6	18.0
60°-70°	2220.7	22.9
70°-80°	2015.4	20.8
80°-90°	293.8	3.0
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°	9705.0	100.0
0°-180°	9705.0	100.0



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

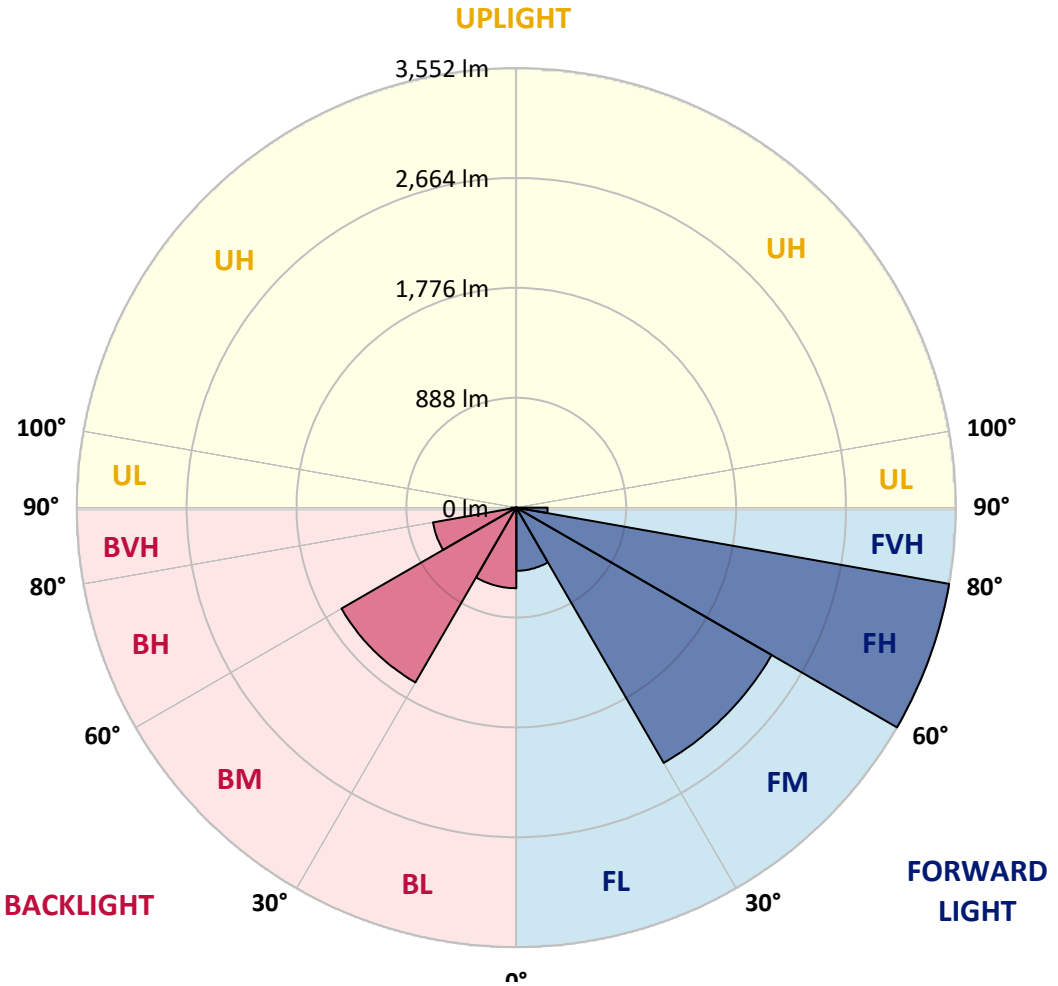
Scaled Data Report

REPORT NUMBER: P1203091
CATALOG NUMBER: GWC-SB2B-827-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	510.5	5.3			
FM	(30°-60°)	2382.4	24.5			
FH	(60°-80°)	3551.9	36.6			G2/5000
FVH	(80°-90°)	253.3	2.6			G3/500
BL	(0°-30°)	651.3	6.7	B2/1000		
BM	(30°-60°)	1631.0	16.8	B2/2500		
BH	(60°-80°)	684.2	7.0	B2/1000		G2/1000
BVH	(80°-90°)	40.4	0.4			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: P1203091
CATALOG NUMBER: GWC-SB2B-827-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1109.8	1109.8	1109.8	1109.8	1109.8	*1109.8*	1109.8	1109.8	1109.8	1109.8	1109.8
2.5°	1092.8	1099.0	1097.4	1095.4	1095.4	*1095.9*	1095.4	1099.0	1102.6	1106.2	1111.8
5°	1104.1	1110.3	1107.2	1104.6	1102.6	*1102.1*	1100.5	1100.0	1102.1	1106.7	1114.4
7.5°	1126.3	1132.4	1127.8	1123.2	1119.0	*1117.0*	1114.9	1111.8	1110.3	1112.9	1123.7
10°	1151.0	1157.1	1151.5	1143.2	1136.5	*1134.0*	1131.9	1128.8	1126.8	1128.3	1140.1
12.5°	1175.7	1181.8	1174.1	1162.8	1154.0	*1152.5*	1149.9	1148.9	1148.4	1147.9	1159.7
15°	1198.8	1204.0	1194.2	1180.8	1171.5	*1169.0*	1166.4	1167.9	1170.5	1173.6	1187.0
17.5°	1216.8	1222.0	1207.6	1190.1	1181.3	*1180.3*	1178.8	1183.9	1191.1	1198.8	1215.3
20°	1233.3	1238.5	1219.9	1196.3	1186.0	*1186.0*	1186.5	1197.3	1207.6	1218.9	1241.6
22.5°	1256.5	1260.6	1237.9	1205.5	1190.6	*1191.6*	1195.7	1206.6	1219.4	1234.9	1266.3
25°	1291.0	1294.1	1266.3	1223.0	1206.0	*1209.1*	1212.7	1217.9	1230.2	1248.2	1290.5
27.5°	1346.6	1349.1	1312.6	1253.9	1228.2	*1233.3*	1238.5	1234.9	1240.5	1256.0	1310.0
30°	1424.8	1426.3	1380.0	1302.3	1265.7	*1268.3*	1269.3	1254.4	1243.6	1256.0	1323.9
32.5°	1517.5	1516.9	1461.9	1361.0	1308.5	*1305.9*	1297.1	1267.8	1242.6	1253.4	1336.3
35°	1661.1	1655.4	1584.4	1443.3	1356.9	*1340.9*	1320.3	1282.7	1247.7	1250.8	1347.1
37.5°	1898.9	1881.4	1783.1	1578.2	1428.9	*1388.3*	1357.9	1306.9	1259.1	1249.8	1359.9
40°	2167.1	2144.9	2036.8	1763.0	1537.0	*1471.6*	1422.7	1341.4	1277.6	1254.4	1379.0
42.5°	2485.2	2453.8	2337.4	1980.7	1673.9	*1579.2*	1505.6	1385.2	1304.9	1269.3	1404.7
45°	2875.9	2834.2	2669.4	2226.3	1846.4	*1720.3*	1621.9	1451.6	1346.6	1298.2	1443.3
47.5°	3270.7	3281.0	3046.7	2507.3	2053.3	*1894.2*	1767.6	1551.4	1407.3	1344.5	1505.6
50°	3690.2	3697.4	3422.0	2818.7	2288.0	*2090.9*	1931.3	1663.1	1491.7	1410.4	1598.8
52.5°	4017.5	4018.6	3762.8	3144.5	2532.5	*2307.1*	2107.9	1790.8	1589.5	1497.9	1722.8
55°	4222.4	4219.8	4001.6	3452.9	2813.6	*2534.1*	2303.5	1935.9	1708.9	1600.8	1878.8
57.5°	4371.2	4363.5	4166.3	3718.0	3113.1	*2802.2*	2524.8	2100.7	1850.0	1723.3	2084.2
60°	4427.8	4423.2	4278.0	3947.0	3428.2	*3098.7*	2780.1	2284.9	2010.1	1868.0	2348.2
62.5°	4449.4	4458.2	4387.6	4168.9	3765.3	*3427.1*	3060.6	2505.2	2190.2	2031.7	2626.7
65°	4525.6	4541.6	4527.1	4459.2	4146.2	*3811.7*	3432.8	2767.2	2386.8	2207.2	2917.5
67.5°	4676.4	4692.4	4698.5	4806.6	4611.6	*4290.9*	3897.1	3093.6	2616.9	2389.4	3136.3
70°	4672.8	4668.2	4777.3	5083.1	5194.2	*4954.4*	4523.0	3495.1	2891.3	2540.8	3164.1
72.5°	4253.3	4216.2	4474.1	5080.0	5679.1	*5647.2*	5287.4	4012.9	3128.1	2559.3	2745.6
75°	*3190.9*	*3092.0*	*3547.6*	*4578.1*	*5759.9*	*6040.5*	*5773.3*	*4334.1*	*3072.0*	*2261.3*	*1910.7*
77.5°	1364.6	1265.2	1802.1	3389.0	5155.1	*5646.7*	5327.6	3781.3	2452.2	1495.3	938.4
80°	357.2	356.7	544.6	1536.5	3505.9	*4169.9*	3658.3	2441.9	1401.1	534.3	258.9
82.5°	147.7	144.1	200.2	597.6	1713.1	*2340.0*	1909.7	1089.2	506.0	144.6	86.0
85°	55.1	54.6	97.3	206.4	604.3	*965.1*	698.5	278.5	126.1	70.5	38.6
87.5°	15.4	14.9	21.1	71.5	147.2	*223.4*	119.4	45.8	35.5	27.8	11.3
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: P1203091
CATALOG NUMBER: GWC-SB2B-827-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8
2.5°	1113.4	1116.0	1120.6	1124.2	1128.8	1134.0	1141.2	1145.8	1150.4	1153.5	1151.5
5°	1118.0	1123.7	1135.5	1147.4	1161.3	1174.1	1189.0	1199.9	1208.6	1211.2	1212.2
7.5°	1128.3	1137.6	1157.7	1177.7	1199.9	1221.0	1242.6	1261.1	1276.0	1281.7	1282.2
10°	1146.3	1158.7	1187.0	1215.3	1244.6	1277.1	1304.9	1331.6	1352.7	1361.5	1362.0
12.5°	1169.0	1184.4	1221.5	1260.6	1301.3	1346.0	1382.1	1415.0	1441.3	1453.1	1453.1
15°	1198.3	1218.4	1265.7	1318.2	1378.0	1440.2	1486.1	1522.6	1551.9	1566.4	1565.3
17.5°	1230.2	1257.0	1316.7	1396.0	1481.4	1563.3	1616.8	1643.6	1673.9	1687.8	1687.3
20°	1261.1	1294.1	1379.5	1494.8	1608.6	1695.6	1738.8	1746.0	1748.1	1749.6	1753.7
22.5°	1293.0	1337.3	1458.3	1619.4	1741.4	1801.6	1807.8	1776.9	1733.6	1713.6	1719.2
25°	1328.0	1386.7	1561.2	1756.8	1855.6	1862.8	1815.5	1740.3	1658.5	1620.9	1626.6
27.5°	1362.0	1443.8	1684.7	1888.1	1938.0	1874.7	1772.8	1666.2	1567.4	1527.7	1532.4
30°	1396.0	1509.2	1821.2	2002.9	1975.6	1845.3	1705.3	1586.4	1487.1	1445.4	1450.0
32.5°	1430.5	1585.4	1978.1	2085.7	1968.9	1783.1	1621.4	1496.9	1409.4	1365.6	1371.3
35°	1469.6	1679.1	2126.9	2131.0	1924.1	1691.4	1510.8	1389.8	1313.6	1278.6	1286.3
37.5°	1520.5	1798.0	2258.2	2142.3	1845.9	1557.1	1373.3	1263.2	1200.4	1184.4	1195.7
40°	1583.9	1941.1	2358.5	2124.3	1730.0	1393.9	1223.0	1135.0	1099.5	1103.1	1115.4
42.5°	1666.2	2101.2	2429.1	2078.0	1568.9	1225.6	1091.2	1052.1	1069.1	1083.5	1096.9
45°	1773.3	2267.4	2472.8	1999.3	1386.7	1083.0	1013.5	1022.8	1035.7	1037.2	1047.5
47.5°	1910.2	2435.8	2501.6	1880.3	1200.9	982.6	964.1	966.2	963.6	952.8	961.0
50°	2081.1	2599.4	2527.4	1722.8	1042.9	919.8	895.1	887.9	852.4	817.4	822.0
52.5°	2275.7	2749.7	2538.2	1527.2	919.8	867.3	827.2	781.9	715.5	704.7	708.3
55°	2491.9	2888.7	2510.4	1286.9	816.4	799.9	739.2	684.6	677.4	668.1	669.7
57.5°	2750.3	3038.5	2453.8	1018.7	710.3	721.2	662.0	668.1	655.3	640.9	638.3
60°	3032.8	3193.4	2354.4	774.2	600.7	622.8	641.9	641.4	637.8	625.9	621.8
62.5°	3287.1	3295.4	2158.8	593.0	504.4	546.7	598.6	598.1	595.0	588.3	585.8
65°	3438.5	3279.9	1832.5	466.9	425.2	483.9	540.0	544.1	544.6	544.1	544.1
67.5°	3411.7	3099.3	1384.7	371.6	359.8	420.0	481.8	487.5	491.6	492.6	493.6
70°	3109.0	2702.4	902.9	296.5	301.6	363.9	426.7	432.4	436.0	440.1	442.2
72.5°	2423.4	1986.9	516.8	239.9	250.7	315.5	372.2	378.8	380.9	388.6	391.7
75°	*1476.8*	*1168.5*	*279.0*	*188.9*	*205.9*	*269.7*	*318.1*	*325.8*	*329.4*	*338.7*	*339.7*
77.5°	702.1	506.0	159.1	147.2	165.7	220.3	268.7	277.4	267.7	272.8	268.7
80°	237.3	187.9	100.4	112.2	126.6	171.9	215.2	223.9	203.3	202.3	200.2
82.5°	82.9	76.2	63.8	74.6	81.8	123.0	162.7	174.0	151.3	150.8	143.6
85°	32.4	30.9	35.5	40.7	48.9	75.7	107.1	112.7	93.2	75.2	74.1
87.5°	6.7	7.2	8.8	9.3	14.9	26.3	38.6	47.4	37.6	31.9	29.3
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)