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: P1199847

Luminaire Tested: GPC-SB2B-827-U-T3R-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:	P1199847
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2B-827-U-T3R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTI(
	WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8150 lumens
Efficiency:	N/A
Efficacy:	110.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

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

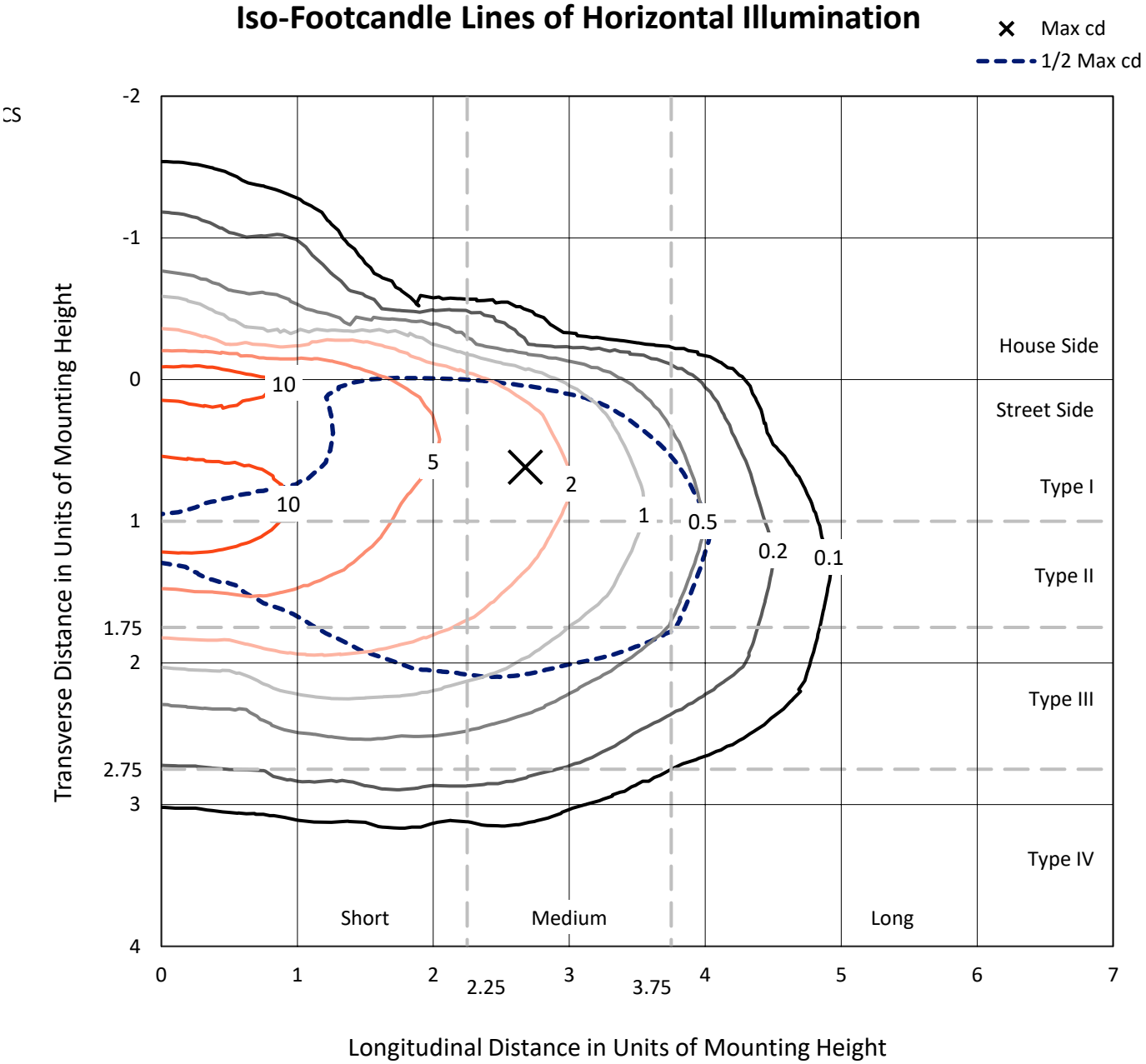


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1199847
CATALOG NUMBER: GPC-SB2B-827-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



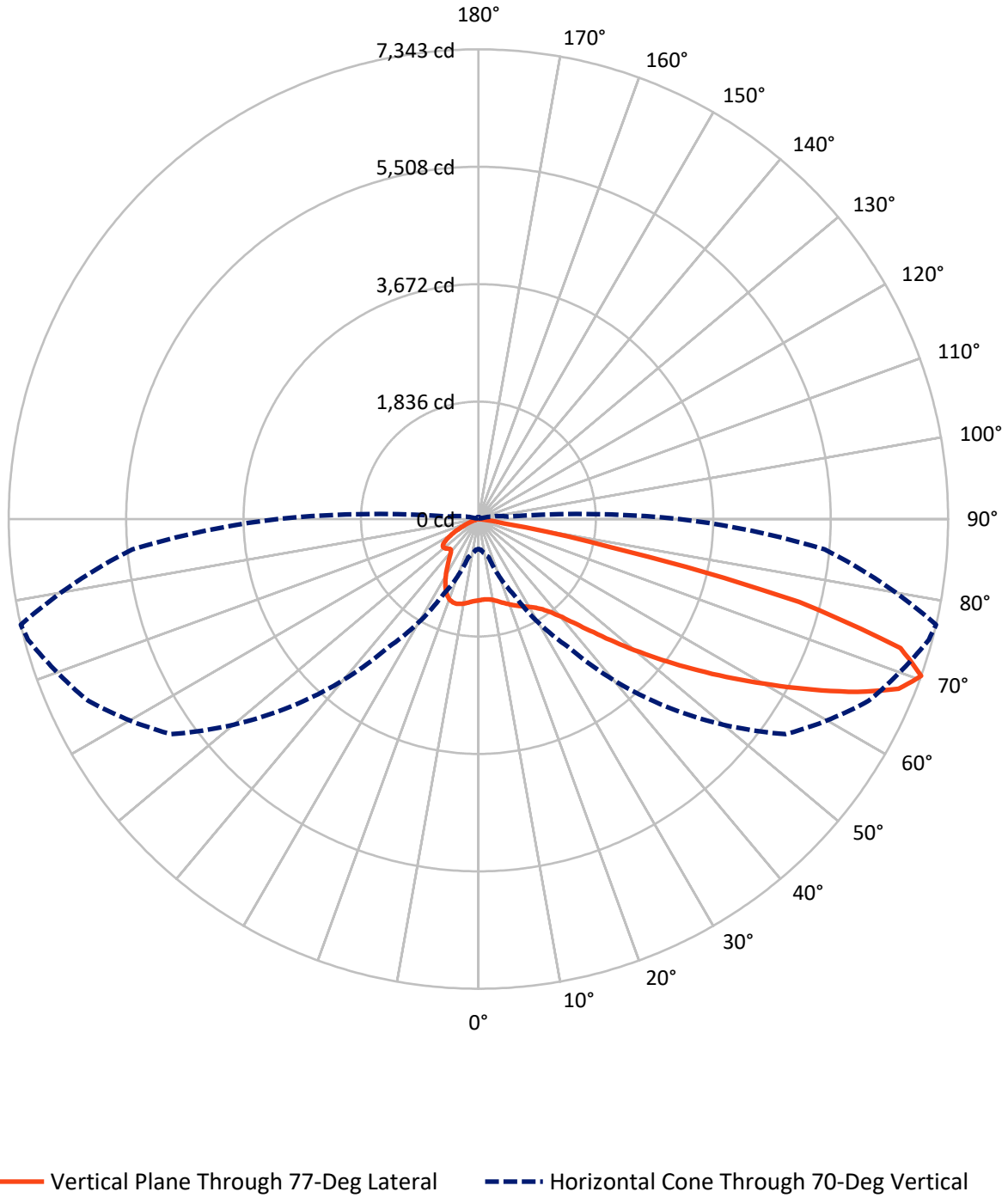
Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1199847
CATALOG NUMBER: GPC-SB2B-827-U-T3R-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

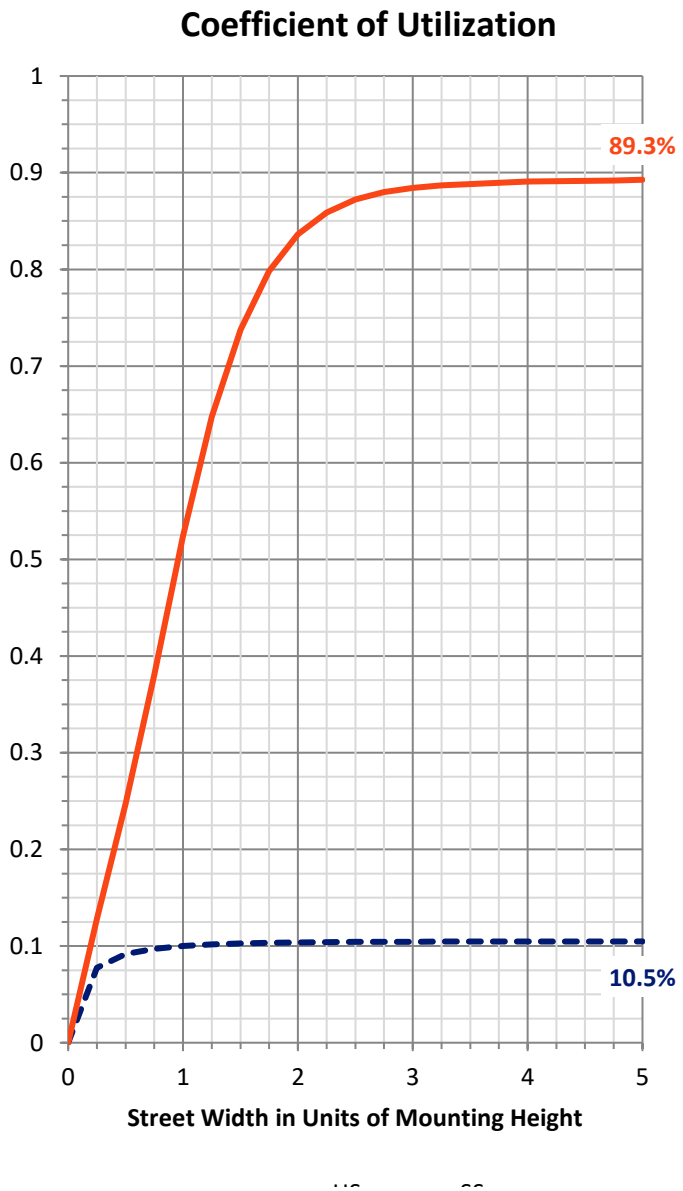
REPORT NUMBER: P1199847
CATALOG NUMBER: GPC-SB2B-827-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	859.1	0.0	859.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	7290.9	0.0	7290.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	8150.0	0.0	8150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.3
10°-20°	260.1	3.2
20°-30°	402.3	4.9
30°-40°	730.0	9.0
40°-50°	1377.9	16.9
50°-60°	1990.9	24.4
60°-70°	2119.3	26.0
70°-80°	1123.1	13.8
80°-90°	36.9	0.5
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°	8150.0	100.0
0°-180°	8150.0	100.0



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

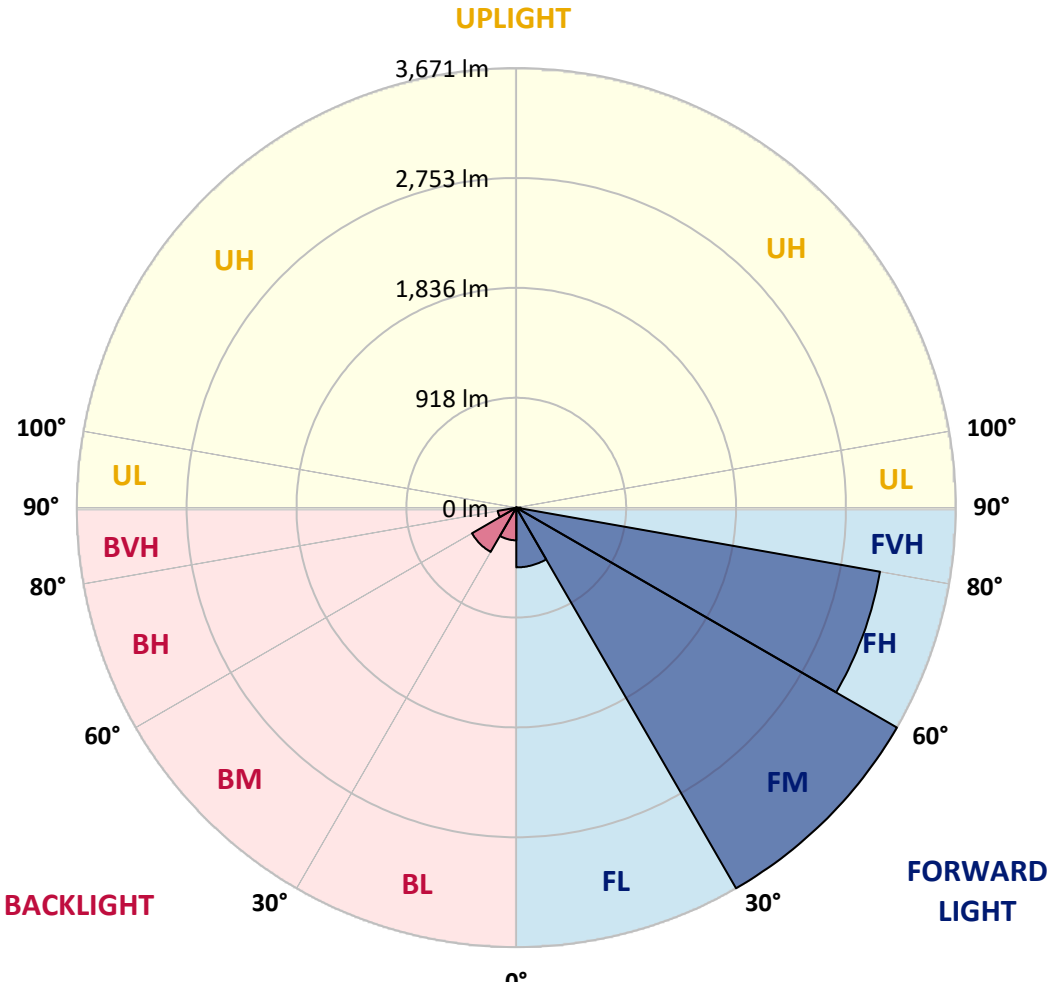
Scaled Data Report

REPORT NUMBER: P1199847
CATALOG NUMBER: GPC-SB2B-827-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	499.0	6.1			
FM	(30°-60°)	3671.1	45.0			
FH	(60°-80°)	3084.9	37.9			G2/5000
FVH	(80°-90°)	35.9	0.4			G1/100
BL	(0°-30°)	273.0	3.3	B1/500		
BM	(30°-60°)	427.7	5.2	B1/1000		
BH	(60°-80°)	157.5	1.9	B1/500		G1/500
BVH	(80°-90°)	1.0	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 III Medium



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

Scaled Data Report

REPORT NUMBER: P1199847
CATALOG NUMBER: GPC-SB2B-827-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	*1271.3*	1271.3
2.5°	1193.5	1204.3	1202.8	1210.0	1212.6	1222.9	1233.2	1247.1	1262.5	*1262.0*	1272.3
5°	1126.1	1136.9	1139.5	1149.3	1161.6	1177.6	1198.7	1226.5	1255.3	*1259.9*	1280.5
7.5°	1046.3	1057.7	1064.4	1083.9	1106.6	1139.5	1174.0	1214.6	1262.5	*1269.2*	1308.8
10°	966.6	976.9	985.6	1013.4	1049.4	1098.3	1154.4	1213.1	1277.4	*1287.2*	1343.3
12.5°	917.2	926.9	936.7	960.9	1005.7	1065.4	1141.6	1220.3	1302.1	*1316.0*	1390.1
15°	899.7	908.4	916.1	937.7	979.4	1047.4	1139.0	1235.2	1333.5	*1352.1*	1446.8
17.5°	902.2	906.9	912.0	928.5	969.1	1039.1	1143.6	1261.0	1370.6	*1387.1*	1503.4
20°	917.2	919.7	920.2	931.6	967.6	1038.1	1152.9	1285.7	1405.6	*1427.7*	1559.5
22.5°	936.2	937.2	936.2	943.9	977.4	1045.8	1165.2	1315.5	1444.7	*1465.3*	1616.1
25°	1025.2	1005.7	981.0	966.0	993.8	1060.7	1183.8	1355.7	1487.4	*1507.5*	1671.2
27.5°	1301.6	1245.5	1157.0	1057.7	1027.8	1082.4	1209.5	1396.3	1530.7	*1548.7*	1730.3
30°	1750.4	1676.8	1526.5	1302.6	1136.9	1127.7	1242.9	1437.0	1576.5	*1596.0*	1793.7
32.5°	2200.2	2182.2	2008.8	1698.9	1382.4	1228.5	1298.5	1492.0	1637.2	*1652.6*	1879.1
35°	2655.2	2618.7	2476.6	2170.4	1760.7	1433.9	1391.2	1564.1	1717.0	*1734.5*	2003.6
37.5°	3003.7	2981.5	2893.5	2641.3	2209.5	1750.9	1549.7	1675.8	1832.8	*1852.3*	2163.2
40°	3311.4	3301.1	3271.3	3105.0	2711.3	2165.8	1796.2	1848.7	1993.3	*2016.5*	2358.8
42.5°	3553.3	3577.5	3594.5	3548.2	3228.6	2639.3	2127.7	2091.6	2217.2	*2240.9*	2607.9
45°	3800.9	3809.1	3877.6	3944.5	3742.2	3134.4	2501.3	2376.3	2495.7	*2525.0*	2906.4
47.5°	3959.9	3992.9	4113.3	4231.2	4174.0	3625.4	2902.8	2712.3	2818.4	*2873.4*	3240.9
50°	3971.8	4034.0	4199.8	4405.1	4488.5	4092.7	3339.2	3095.3	3208.0	*3268.7*	3598.1
52.5°	3774.6	3871.4	4128.2	4428.8	4658.3	4488.5	3790.6	3478.2	3622.8	*3702.1*	3968.7
55°	2894.0	3020.6	3859.1	4300.1	4665.0	4788.6	4230.1	3877.1	4085.0	*4174.5*	4369.1
57.5°	2521.4	2585.2	3034.0	4076.8	4541.0	4909.5	4627.5	4256.9	4587.8	*4699.0*	4747.4
60°	2097.8	2181.7	2544.6	3711.3	4372.7	4921.3	4978.5	4746.9	5132.9	*5257.9*	5094.3
62.5°	1425.7	1516.8	1877.5	3083.4	4142.6	4915.7	5266.2	5251.3	5738.7	*5873.0*	5388.2
65°	883.2	940.3	1178.1	2517.8	3821.0	4921.9	5567.3	5863.7	6377.9	*6514.3*	5615.6
67.5°	697.9	724.2	848.2	1933.1	3266.7	4782.9	5867.8	6439.6	6979.5	*7087.6*	5685.1
70°	*468.9*	*484.8*	*617.1*	*1296.0*	*2430.3*	*4141.6*	*5862.2*	*6728.9*	*7289.4*	*7343.4*	*5431.9*
72.5°	247.0	259.4	360.8	600.1	1467.9	2944.0	4941.4	6383.0	6981.1	*6899.8*	4642.9
75°	123.5	144.1	242.9	304.7	626.9	1641.8	3068.5	5032.5	5494.7	*5179.7*	2979.0
77.5°	93.7	113.2	200.7	200.7	218.2	552.8	1299.6	2744.8	2531.7	*2108.1*	874.4
80°	59.7	77.2	175.5	151.8	91.1	140.5	338.7	768.9	537.8	*409.2*	159.0
82.5°	35.0	50.4	146.2	100.4	51.0	52.0	95.7	163.7	139.5	*108.6*	48.9
85°	13.9	32.9	100.4	39.6	20.1	12.9	28.8	35.0	28.8	*21.6*	12.4
87.5°	0.0	7.7	17.5	0.0	1.5	1.0	2.1	2.6	2.6	*2.1*	4.1
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: P1199847
CATALOG NUMBER: GPC-SB2B-827-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3
2.5°	1276.9	1277.9	1281.0	1281.5	1274.3	1265.1	1261.5	1259.9	1253.8	1253.2	1254.3
5°	1292.4	1297.0	1292.4	1279.0	1247.1	1202.3	1168.3	1140.5	1115.3	1107.6	1103.0
7.5°	1323.2	1327.9	1314.0	1261.5	1181.2	1092.1	1011.9	955.2	904.3	885.2	877.5
10°	1367.5	1373.7	1329.9	1223.9	1081.9	938.8	802.9	707.2	632.5	602.2	589.3
12.5°	1423.1	1425.7	1338.7	1166.8	952.7	748.3	555.9	453.4	387.0	362.3	354.6
15°	1484.3	1480.7	1339.7	1089.1	776.6	529.1	362.8	298.0	271.2	263.0	263.0
17.5°	1548.7	1533.7	1319.1	976.9	583.6	361.8	269.2	253.7	249.1	247.0	246.5
20°	1612.0	1578.5	1281.5	830.2	418.9	270.2	244.5	239.8	237.3	236.2	235.2
22.5°	1669.6	1612.5	1217.2	659.8	304.2	238.8	231.1	227.0	222.3	220.3	219.8
25°	1725.7	1632.0	1126.6	500.8	243.4	223.4	217.2	209.5	203.3	200.7	199.7
27.5°	1780.3	1644.4	1013.4	370.6	217.2	209.0	197.6	186.8	182.2	181.2	180.1
30°	1838.4	1648.5	884.7	276.4	201.2	190.9	174.5	162.1	159.5	160.1	160.1
32.5°	1909.5	1654.7	755.0	226.5	187.9	169.3	149.8	136.9	134.8	136.9	136.4
35°	1994.4	1667.0	630.0	208.4	176.0	147.2	126.1	115.3	113.2	114.8	114.3
37.5°	2109.7	1687.1	513.1	204.8	166.2	128.7	106.0	97.3	97.3	97.8	97.3
40°	2263.0	1740.6	408.7	202.3	161.1	114.8	89.6	86.0	87.5	88.5	88.5
42.5°	2449.9	1854.4	338.1	199.2	155.4	108.6	81.3	79.8	82.3	83.4	83.4
45°	2659.3	1998.5	313.4	194.0	150.3	112.7	77.7	75.7	78.7	79.3	79.8
47.5°	2876.0	2139.5	310.4	188.4	145.1	118.9	76.7	72.1	75.7	76.2	76.7
50°	3095.3	2231.6	313.4	179.6	136.9	118.9	77.2	68.5	71.5	73.1	73.6
52.5°	3316.1	2273.8	311.4	160.6	122.5	111.7	77.2	65.4	68.5	69.5	69.5
55°	3530.2	2265.6	280.0	132.3	104.0	98.8	75.1	62.8	64.8	65.4	65.4
57.5°	3699.5	2150.8	221.8	102.9	84.4	82.3	68.5	59.7	61.2	60.7	60.7
60°	3788.0	1898.6	158.5	79.3	66.4	64.8	60.2	55.6	56.6	54.0	53.5
62.5°	3789.1	1565.1	106.0	62.8	53.0	51.5	51.5	49.9	48.9	43.7	42.2
65°	3708.2	1195.1	70.5	49.9	42.7	40.1	43.2	42.7	39.1	31.9	30.9
67.5°	3525.0	783.3	53.5	39.1	32.9	31.4	34.5	36.0	33.5	26.8	26.2
70°	*3148.3*	*456.0*	*44.3*	*30.4*	*24.7*	*23.2*	*27.8*	*30.9*	*27.8*	*21.6*	*20.6*
72.5°	2615.1	246.0	36.0	22.6	17.0	15.4	22.1	25.2	22.1	16.0	15.4
75°	1696.9	131.8	27.8	14.9	8.7	9.8	16.5	18.5	15.4	10.3	9.3
77.5°	569.7	58.2	17.5	7.2	4.1	4.1	9.8	11.3	7.2	3.6	3.1
80°	127.1	24.2	7.2	3.1	1.5	1.5	2.1	2.1	1.0	0.0	0.0
82.5°	41.7	9.8	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.0	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	0.5	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)