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: P1199372

Luminaire Tested: GPC-SB2A-827-U-T3R

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:	P1199372
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2A-827-U-T3R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTI(
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8006 lumens
Efficiency:	N/A
Efficacy:	139.7 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):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

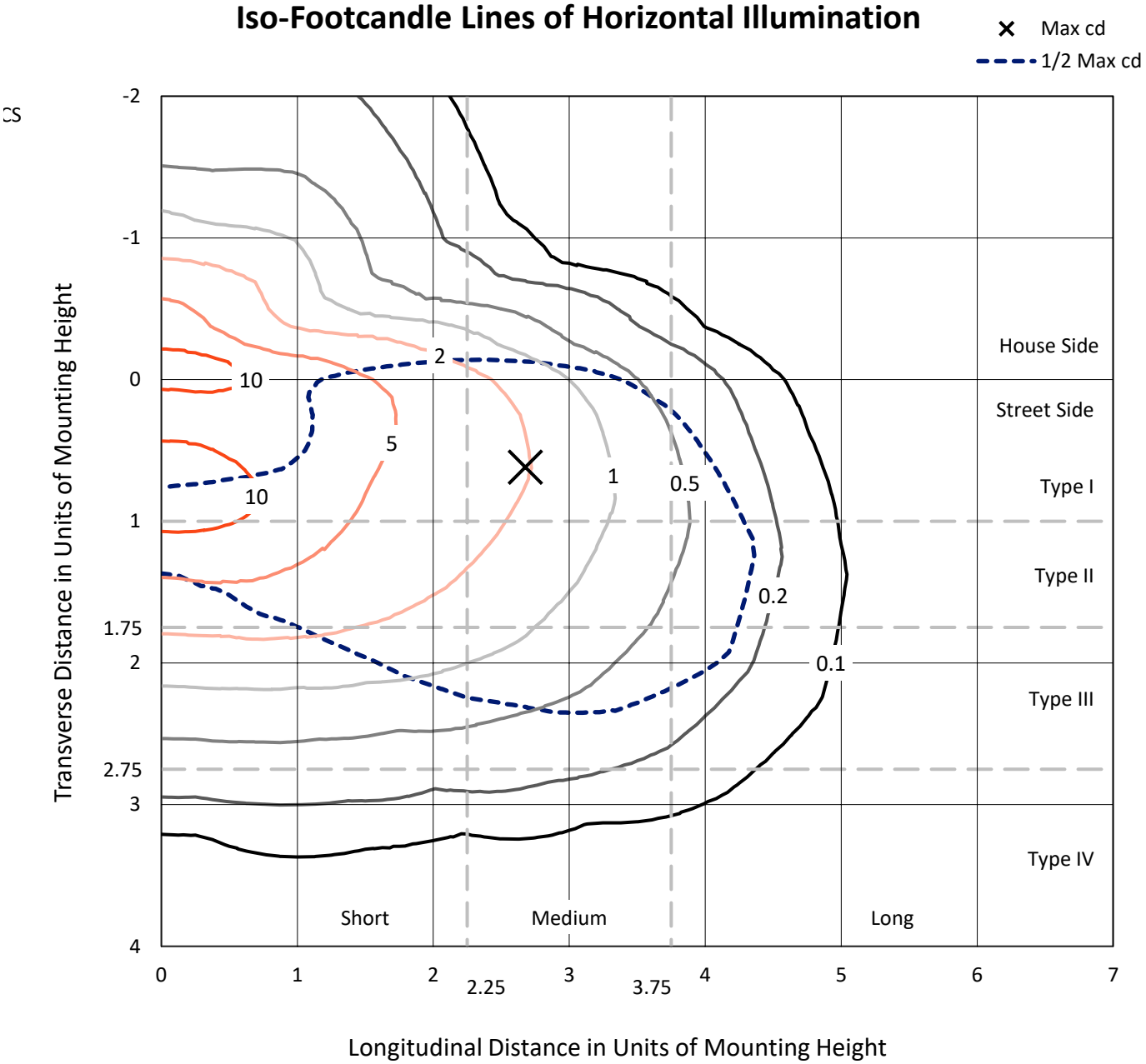


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1199372
CATALOG NUMBER: GPC-SB2A-827-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



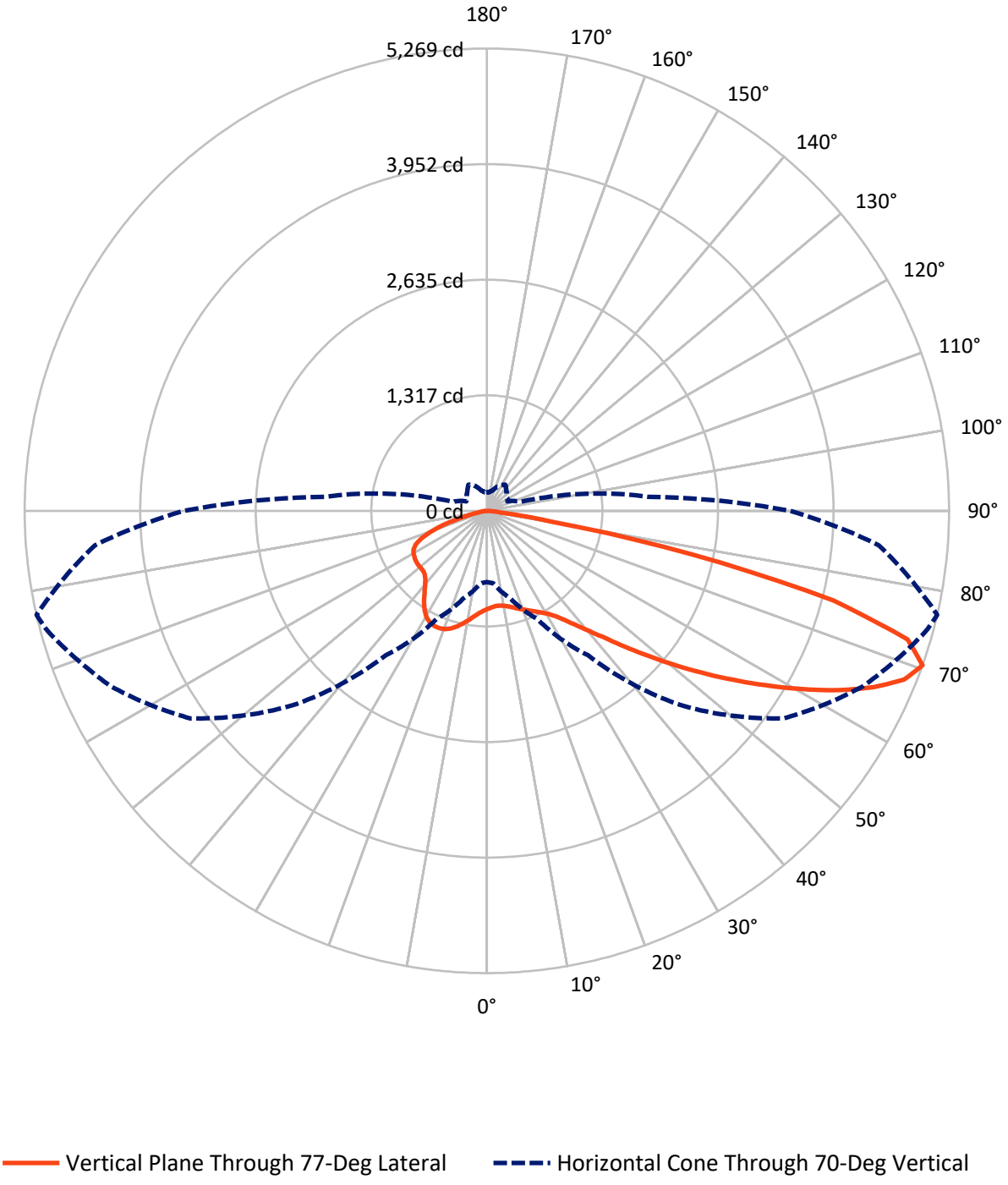
Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1199372
CATALOG NUMBER: GPC-SB2A-827-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

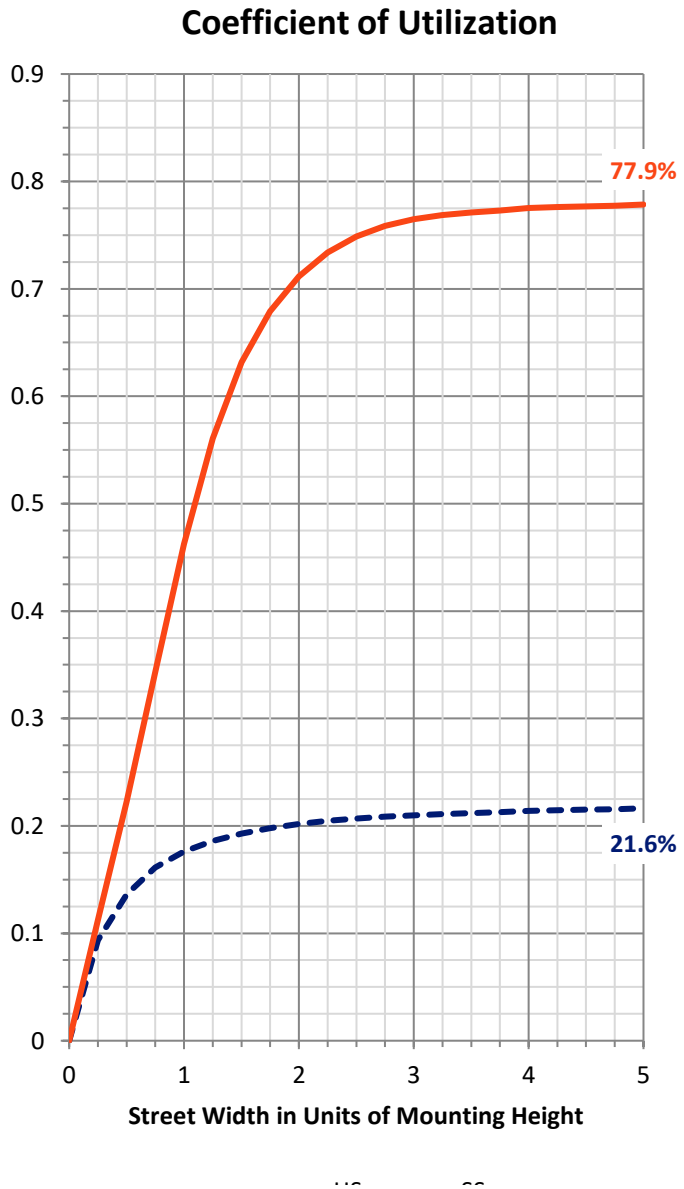
REPORT NUMBER: P1199372
CATALOG NUMBER: GPC-SB2A-827-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1753.2	0.0	1753.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	6252.8	0.0	6252.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	8006.0	0.0	8006.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	1.3
10°-20°	307.4	3.8
20°-30°	525.8	6.6
30°-40°	845.5	10.6
40°-50°	1320.0	16.5
50°-60°	1763.2	22.0
60°-70°	1879.3	23.5
70°-80°	1156.9	14.5
80°-90°	101.4	1.3
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°	8006.0	100.0
0°-180°	8006.0	100.0



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

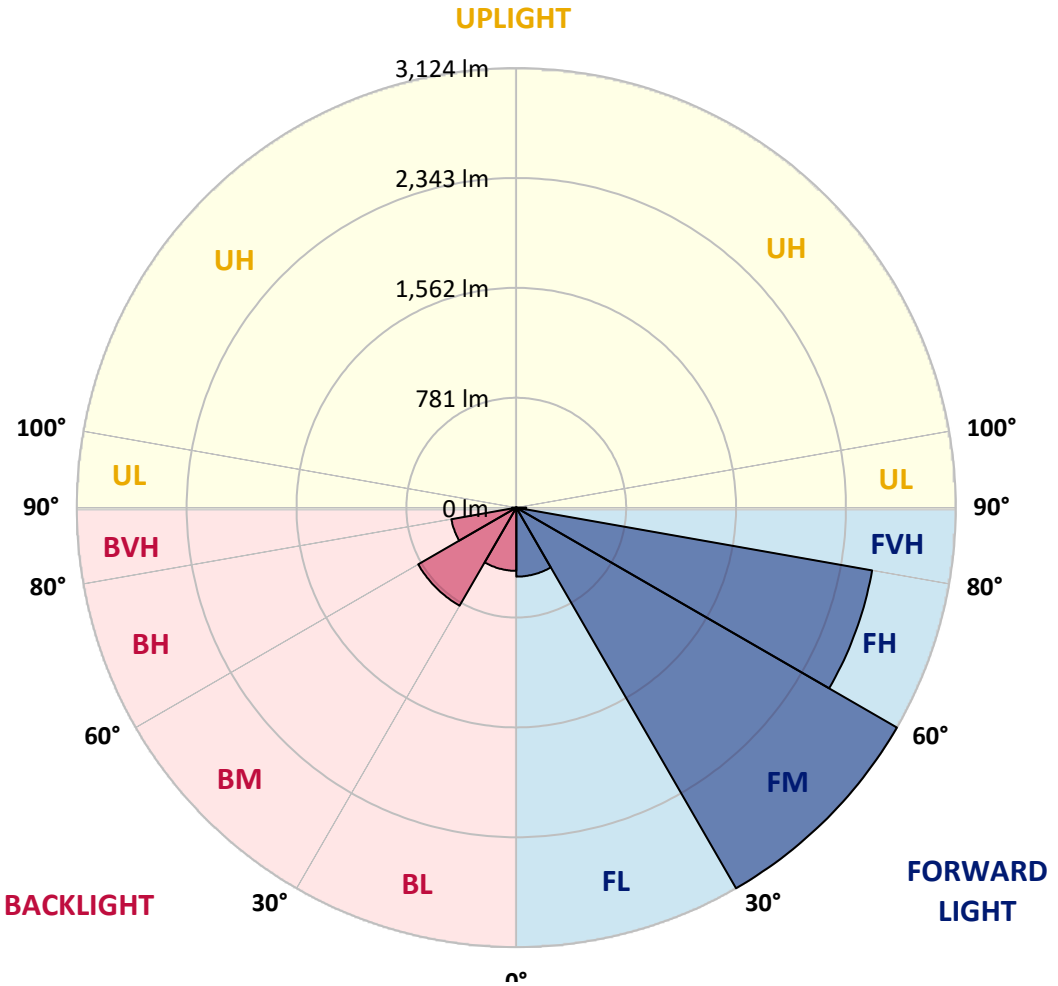
Scaled Data Report

REPORT NUMBER: P1199372
CATALOG NUMBER: GPC-SB2A-827-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	490.5	6.1			
FM	(30°-60°)	3123.8	39.0			
FH	(60°-80°)	2567.7	32.1			G2/5000
FVH	(80°-90°)	70.9	0.9			G1/100
BL	(0°-30°)	449.2	5.6	B1/500		
BM	(30°-60°)	804.9	10.1	B1/1000		
BH	(60°-80°)	468.6	5.9	B1/500		G1/500
BVH	(80°-90°)	30.5	0.4			G1/100
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: P1199372
CATALOG NUMBER: GPC-SB2A-827-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	*1116.9*	1116.9
2.5°	1029.6	1029.2	1034.5	1036.1	1046.0	1052.9	1066.1	1080.0	1098.0	*1100.1*	1111.2
5°	970.1	970.1	976.3	982.8	995.5	1009.5	1029.6	1053.8	1084.9	*1089.8*	1117.3
7.5°	919.7	923.0	928.3	941.0	955.8	975.9	1006.6	1041.1	1082.1	*1089.8*	1134.1
10°	879.1	882.8	889.3	899.6	921.7	949.6	989.8	1034.1	1089.0	*1101.3*	1158.7
12.5°	866.4	870.1	873.8	881.6	902.1	934.9	982.8	1037.4	1105.8	*1118.1*	1192.4
15°	895.9	900.4	897.5	895.5	906.2	936.1	986.1	1049.3	1126.8	*1144.4*	1233.8
17.5°	964.0	965.6	959.1	939.8	938.1	954.1	1001.7	1065.7	1153.0	*1172.3*	1275.6
20°	1073.9	1071.0	1057.5	1019.3	997.6	994.3	1028.3	1090.3	1180.1	*1200.6*	1320.7
22.5°	1223.1	1219.8	1192.8	1132.5	1084.1	1052.1	1066.9	1122.2	1210.4	*1233.4*	1364.6
25°	1409.3	1404.7	1365.0	1283.0	1207.9	1128.8	1119.4	1164.5	1247.7	*1269.0*	1410.5
27.5°	1626.6	1622.9	1579.8	1471.6	1363.3	1233.8	1184.6	1214.1	1286.7	*1310.9*	1462.2
30°	1860.3	1870.9	1794.7	1678.2	1541.3	1370.7	1272.3	1275.2	1337.1	*1358.8*	1524.9
32.5°	2135.0	2153.5	2061.6	1914.0	1727.0	1519.6	1383.0	1360.5	1410.5	*1428.5*	1604.0
35°	2407.3	2428.2	2351.9	2188.7	1973.5	1695.0	1498.6	1458.5	1508.1	*1527.8*	1709.0
37.5°	2642.6	2670.5	2631.1	2489.3	2237.1	1906.6	1649.5	1573.7	1628.2	*1652.8*	1850.0
40°	2828.4	2871.0	2868.1	2779.6	2547.9	2163.3	1841.0	1716.0	1777.5	*1804.1*	2021.0
42.5°	2979.2	3016.1	3048.1	3043.6	2872.2	2454.8	2066.1	1900.9	1947.6	*1978.4*	2213.3
45°	3083.4	3122.8	3191.6	3265.9	3184.3	2766.9	2324.0	2120.2	2162.9	*2209.2*	2442.5
47.5°	3176.5	3221.2	3310.5	3428.2	3449.1	3080.1	2606.5	2375.7	2414.6	*2462.6*	2672.5
50°	3184.7	3223.2	3361.8	3528.7	3637.3	3381.1	2910.0	2662.3	2698.8	*2750.0*	2919.0
52.5°	2986.6	3047.3	3289.2	3525.8	3723.9	3632.8	3211.3	2960.4	3001.4	*3062.9*	3174.0
55°	2318.3	2407.3	3076.4	3415.9	3693.1	3795.6	3497.9	3277.3	3329.8	*3394.2*	3430.7
57.5°	1996.8	2035.8	2442.1	3215.8	3552.9	3837.8	3739.8	3597.6	3682.0	*3752.6*	3702.1
60°	1794.7	1827.1	2067.3	2904.6	3368.4	3771.0	3926.8	3896.1	4042.0	*4126.1*	3979.7
62.5°	1578.2	1608.9	1827.5	2425.3	3132.2	3659.9	4044.9	4171.6	4411.1	*4502.9*	4241.3
65°	1363.3	1389.6	1599.1	2037.8	2832.0	3548.8	4106.0	4409.8	4752.6	*4847.7*	4458.6
67.5°	1123.9	1145.6	1343.7	1719.2	2467.1	3396.7	4136.3	4597.2	5049.9	*5131.5*	4566.0
70°	*811.0*	*827.8*	*1032.4*	*1359.6*	*2009.1*	*3135.1*	*4124.0*	*4730.1*	*5204.0*	*5269.2*	*4484.9*
72.5°	383.4	398.5	638.8	882.8	1419.1	2625.8	3875.2	4624.7	5047.4	*5015.0*	3987.9
75°	204.6	217.7	367.0	484.2	749.5	1800.0	3171.1	3983.8	4238.4	*4081.0*	2947.3
77.5°	138.6	148.8	227.2	290.7	342.4	854.5	2038.2	2758.2	2653.7	*2393.7*	1476.1
80°	109.9	120.5	186.2	196.8	165.7	308.7	842.2	1276.8	917.2	*733.5*	419.9
82.5°	84.5	96.4	156.6	142.7	90.2	126.7	245.2	403.9	234.9	*178.8*	101.7
85°	51.7	64.4	123.0	91.0	50.8	57.8	83.2	112.3	71.8	*59.9*	36.5
87.5°	26.2	36.9	62.3	33.2	23.0	13.5	22.1	22.1	18.9	*16.4*	9.4
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: P1199372
CATALOG NUMBER: GPC-SB2A-827-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9	1116.9
2.5°	1121.0	1129.2	1143.2	1156.3	1166.5	1176.4	1186.2	1191.5	1193.2	1199.7	1203.4
5°	1134.1	1149.3	1176.4	1201.8	1217.8	1227.6	1234.6	1238.7	1239.5	1241.6	1244.8
7.5°	1158.3	1182.5	1220.2	1245.7	1257.5	1256.7	1253.9	1243.6	1239.5	1235.8	1236.6
10°	1192.4	1224.3	1270.7	1288.3	1280.9	1261.2	1235.8	1205.9	1191.9	1178.4	1174.3
12.5°	1234.6	1275.2	1320.7	1319.9	1283.4	1232.9	1173.9	1128.0	1098.9	1078.0	1073.0
15°	1285.8	1332.6	1367.4	1339.6	1259.6	1169.0	1082.5	1022.6	996.4	973.4	970.9
17.5°	1338.7	1388.8	1404.7	1333.4	1199.7	1074.3	976.3	929.1	903.3	891.0	894.7
20°	1390.4	1440.0	1426.9	1298.1	1108.7	966.8	879.5	853.7	848.3	851.2	850.0
22.5°	1444.9	1489.2	1431.4	1230.1	992.7	857.0	809.0	809.8	821.7	830.3	832.4
25°	1500.7	1530.6	1419.5	1131.7	868.0	776.2	764.3	777.4	800.8	817.6	822.1
27.5°	1554.4	1567.5	1393.7	1009.9	761.0	718.4	720.4	747.5	782.7	806.1	811.9
30°	1615.1	1600.3	1344.1	872.9	686.8	668.8	686.0	717.5	752.8	773.7	778.6
32.5°	1683.6	1628.6	1265.3	746.2	634.3	629.0	657.3	677.8	693.4	699.5	702.8
35°	1768.9	1668.4	1164.5	657.3	587.2	599.9	626.9	616.7	610.5	607.2	610.5
37.5°	1879.6	1722.1	1046.4	599.5	549.0	579.0	590.0	558.0	533.9	522.0	524.8
40°	2012.8	1800.8	932.8	554.8	524.8	560.9	541.6	503.1	472.3	455.5	456.8
42.5°	2160.8	1883.2	837.3	521.1	511.3	546.2	506.0	460.0	410.4	405.1	410.4
45°	2316.2	1968.1	772.1	495.3	504.7	533.4	485.5	411.3	376.0	397.7	409.2
47.5°	2471.6	2046.0	732.7	476.0	501.5	519.1	467.4	384.2	359.2	390.8	405.5
50°	2644.7	2115.7	715.1	462.1	497.8	513.4	440.4	377.2	341.6	362.5	378.0
52.5°	2816.5	2169.9	702.0	448.2	492.4	508.8	427.2	369.0	320.2	321.5	330.1
55°	2987.9	2205.1	687.6	429.7	480.6	499.0	426.0	360.0	304.2	298.5	302.6
57.5°	3170.7	2225.2	670.0	409.2	460.0	474.0	424.8	353.0	299.3	289.9	291.1
60°	3356.9	2254.7	647.0	384.2	432.6	444.1	421.9	350.6	296.4	280.5	281.7
62.5°	3523.8	2265.0	619.5	360.4	397.3	414.5	415.8	348.5	288.7	261.2	261.2
65°	3633.2	2220.7	571.6	333.4	359.2	384.2	403.9	341.6	274.7	247.2	247.2
67.5°	3628.7	2094.4	496.5	298.5	322.3	350.6	386.7	329.7	257.9	230.0	231.3
70°	*3459.8*	*1845.1*	*401.4*	*257.9*	*281.7*	*314.5*	*364.5*	*312.0*	*237.8*	*211.2*	*213.6*
72.5°	2967.4	1444.1	291.5	210.3	234.5	277.2	335.8	290.7	217.3	194.4	193.1
75°	2119.8	913.9	197.6	161.6	182.5	234.9	300.1	265.7	198.5	195.2	184.1
77.5°	1082.9	436.7	130.8	118.1	127.1	185.3	252.2	237.4	201.3	161.1	143.5
80°	352.2	161.1	82.4	80.4	84.5	123.4	195.2	194.8	152.5	109.5	96.8
82.5°	112.3	69.3	53.7	51.7	49.6	77.5	136.1	154.2	102.9	69.3	68.9
85°	44.7	41.4	31.6	29.1	20.9	36.5	71.3	102.5	76.7	50.0	51.3
87.5°	16.4	16.4	8.6	6.2	4.5	12.3	19.3	30.8	43.9	25.8	25.4
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)