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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P653181

Luminaire Tested: **GLAN-SA1D-840-U-T3-GRSBK**

Issue Date: 5/27/2021

Report Generated By 670246001

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P653181
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA1D-840-U-T3-GRSBK
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
	WITH BLACK GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3930.9 lumens
Efficiency:	N/A
Efficacy:	60.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

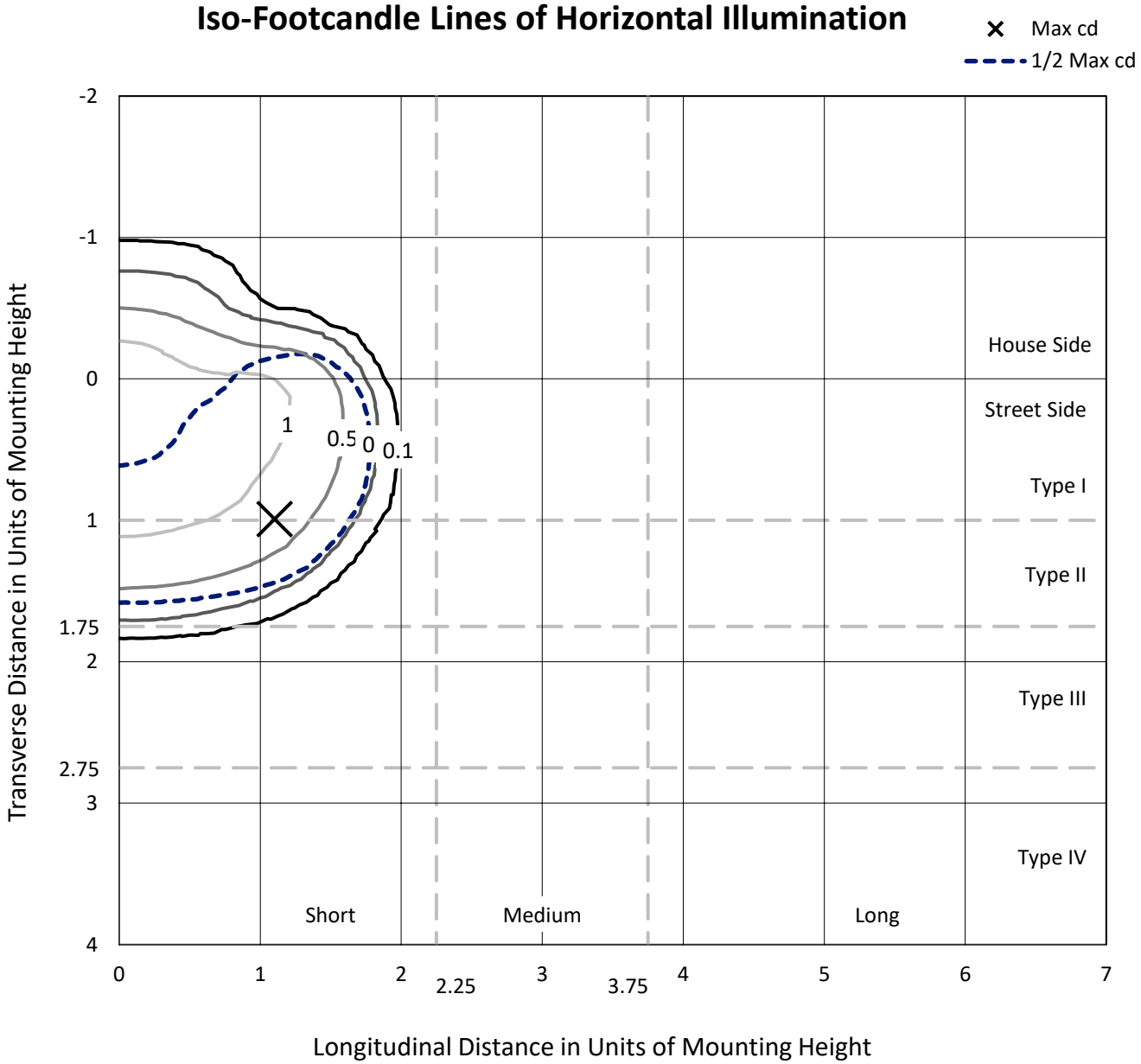
Input Watts (W):	65
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P653181
CATALOG NUMBER: GLAN-SA1D-840-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



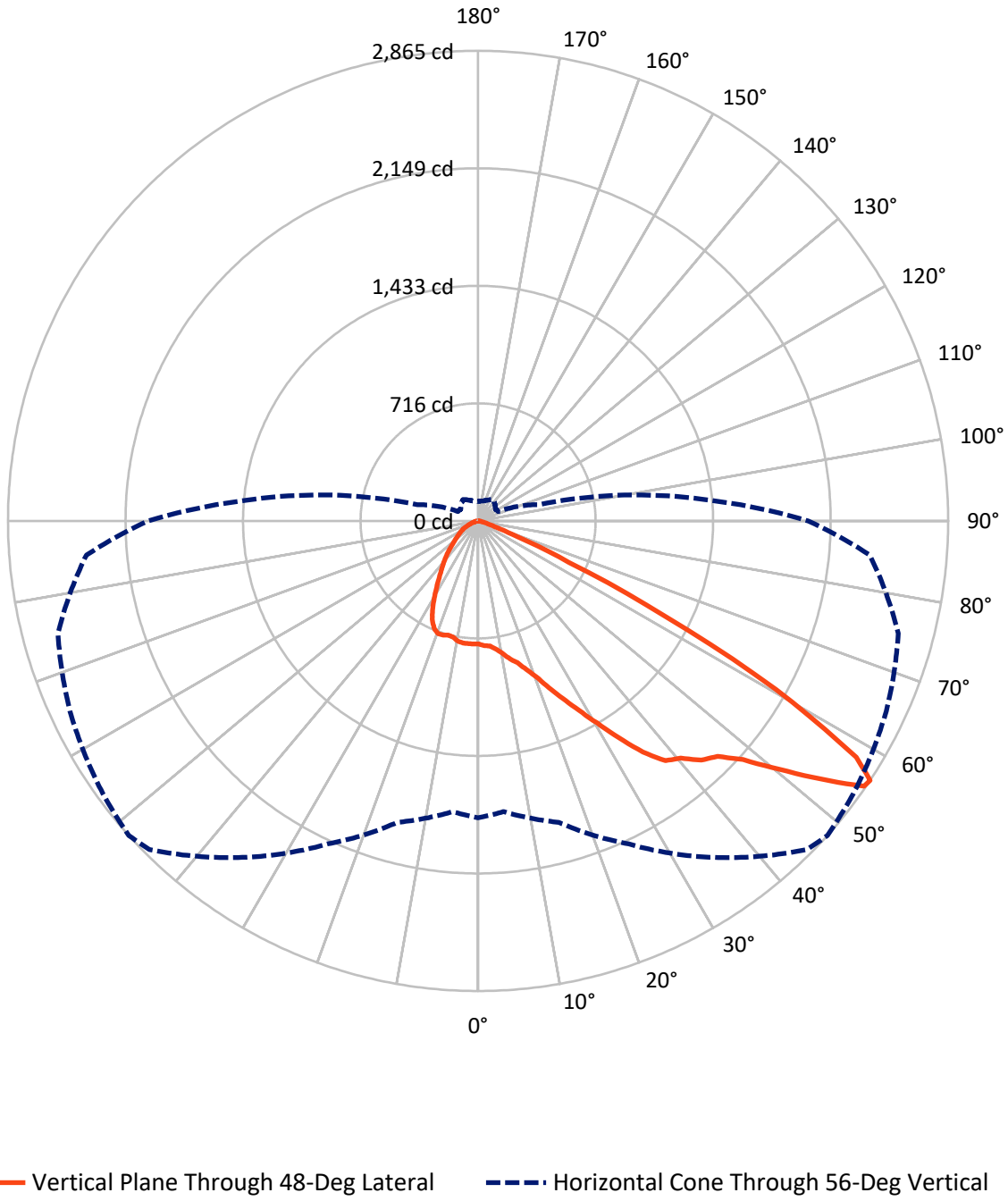
Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type II - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P653181
CATALOG NUMBER: GLAN-SA1D-840-U-T3-GRSBK

Luminous Intensity Polar Plot



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

Scaled Data Report

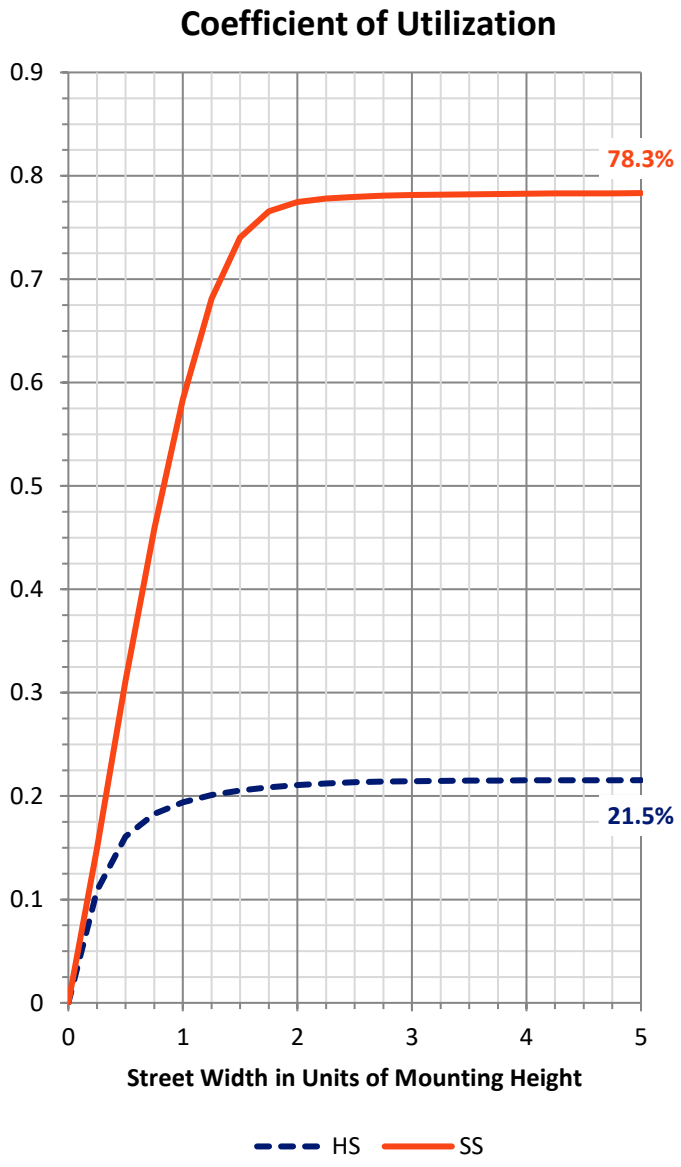
REPORT NUMBER: P653181
CATALOG NUMBER: GLAN-SA1D-840-U-T3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.9	0.0	854.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3076.0	0.0	3076.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	3930.9	0.0	3930.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	1.9
10°-20°	233.7	5.9
20°-30°	423.9	10.8
30°-40°	665.9	16.9
40°-50°	971.5	24.7
50°-60°	1170.4	29.8
60°-70°	342.7	8.7
70°-80°	43.5	1.1
80°-90°	6.1	0.2
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°	3930.9	100.0
0°-180°	3930.9	100.0



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

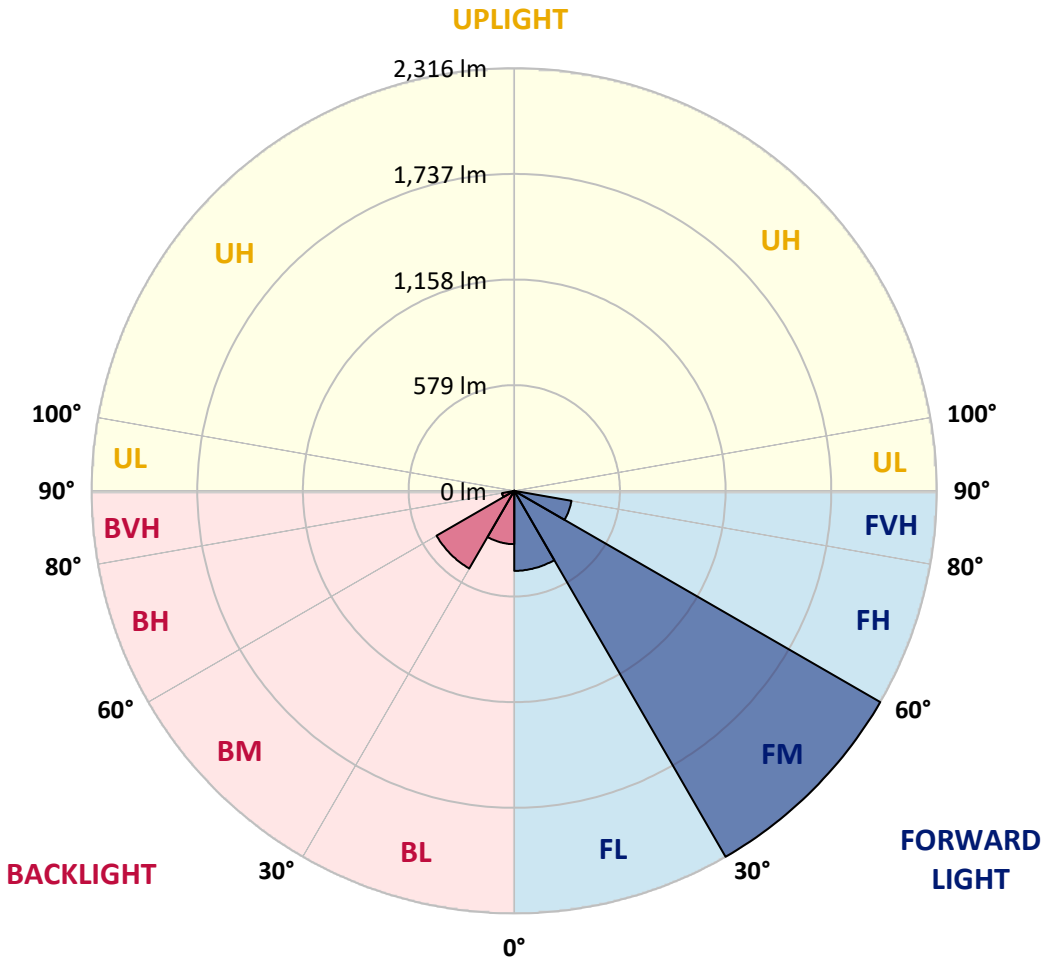
Scaled Data Report

REPORT NUMBER: P653181
CATALOG NUMBER: GLAN-SA1D-840-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	438.6	11.2			
FM	(30°-60°)	2316.1	58.9			
FH	(60°-80°)	318.2	8.1			G0/660
FVH	(80°-90°)	3.1	0.1			G0/10
BL	(0°-30°)	292.2	7.4	B1/500		
BM	(30°-60°)	491.7	12.5	B1/1000		
BH	(60°-80°)	67.9	1.7	B0/110		G0/110
BVH	(80°-90°)	3.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
Type II Short



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

Scaled Data Report

REPORT NUMBER: P653181
CATALOG NUMBER: GLAN-SA1D-840-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	750.8	750.8	750.8	750.8	750.8	750.8	*750.8*	750.8	750.8	750.8	750.8
2.5°	764.4	760.9	760.9	755.0	761.5	758.7	*760.9*	753.6	760.9	750.1	758.7
5°	768.0	768.7	765.8	769.4	769.4	773.7	*766.6*	773.0	776.6	768.7	765.1
7.5°	786.6	788.0	787.3	784.4	790.1	789.4	*788.7*	783.7	785.2	782.3	778.0
10°	823.1	822.3	825.9	818.8	814.5	819.5	*820.9*	813.1	807.4	805.2	791.5
12.5°	876.1	867.5	862.4	855.3	857.4	850.3	*863.1*	849.6	846.7	833.9	820.2
15°	919.0	917.5	918.3	906.9	893.9	896.8	*896.8*	889.6	885.3	869.6	850.3
17.5°	1007.0	977.0	983.4	969.1	958.3	957.6	*951.2*	952.6	941.2	908.3	878.9
20°	1075.7	1062.9	1052.8	1028.5	1012.1	1017.0	*1014.2*	1007.0	1003.5	960.5	919.0
22.5°	1137.3	1141.6	1125.1	1118.7	1095.7	1097.9	*1103.6*	1097.2	1070.0	1025.6	964.0
25°	1223.9	1218.9	1196.7	1188.8	1167.3	1175.2	*1197.4*	1192.4	1175.2	1095.1	999.1
27.5°	1326.3	1309.0	1313.3	1277.6	1256.8	1279.0	*1305.5*	1330.5	1281.9	1176.6	1040.7
30°	1398.5	1380.6	1379.2	1377.7	1372.8	1398.5	*1429.3*	1452.2	1412.8	1258.2	1109.4
32.5°	1434.3	1438.6	1450.7	1446.4	1490.2	1543.1	*1575.3*	1608.2	1558.9	1391.4	1200.3
35°	1529.5	1502.3	1529.5	1532.4	1577.5	1689.8	*1730.6*	1809.3	1797.1	1579.6	1311.2
37.5°	1585.3	1583.2	1586.7	1614.0	1657.6	1796.5	*1854.4*	1915.3	1892.3	1692.7	1449.3
40°	1677.6	1683.3	1682.7	1703.4	1751.4	1876.6	*1900.2*	1949.6	1951.8	1849.4	1652.6
42.5°	1825.8	1802.9	1787.9	1809.3	1876.6	1946.1	*1993.3*	1983.2	2054.1	2039.8	1913.9
45°	1958.9	1972.6	1950.4	1986.1	2010.5	2047.7	*2046.2*	2067.7	2157.9	2225.9	2110.7
47.5°	2083.5	2092.1	2102.8	2127.1	2180.1	2185.8	*2173.6*	2164.3	2288.9	2359.0	2263.1
50°	2157.9	2165.7	2215.9	2259.5	2358.3	2371.2	*2378.3*	2354.7	2439.2	2447.1	2406.9
52.5°	2137.8	2146.5	2216.6	2360.4	2517.9	2636.0	*2614.5*	2574.5	2569.4	2600.2	2540.1
55°	1960.4	1952.5	2049.1	2273.1	2568.0	2851.4	*2854.3*	2812.1	2731.2	2710.5	2520.1
56°	*1809.3*	*1778.5*	*1901.7*	*2172.2*	*2503.6*	*2832.8*	*2865.0*	*2820.0*	*2744.1*	*2651.0*	*2396.3*
57.5°	1482.3	1511.6	1634.0	1858.0	2281.0	2699.0	*2717.6*	2706.8	2649.6	2493.6	2108.5
60°	817.4	868.9	977.0	1251.1	1624.0	2071.3	*2086.4*	2173.6	2184.4	1909.6	1450.7
62.5°	347.2	341.4	453.8	655.6	924.7	1250.4	*1278.2*	1367.7	1384.2	1100.8	727.9
65°	141.0	148.9	205.4	329.9	488.9	569.7	*609.1*	638.4	692.8	454.5	268.4
67.5°	93.0	92.3	120.9	188.2	263.4	254.1	*254.1*	268.4	248.3	185.4	116.0
70°	66.5	68.7	86.6	130.3	163.9	121.7	*116.6*	111.7	126.7	122.4	93.8
72.5°	43.6	46.5	57.9	78.0	85.2	66.5	*66.5*	80.1	104.5	98.7	76.6
75°	28.6	29.4	35.8	45.1	42.2	34.3	*37.9*	53.7	75.9	73.0	54.4
77.5°	19.3	20.0	24.3	29.4	23.6	19.3	*20.8*	27.2	37.3	37.3	28.6
80°	7.1	7.9	10.0	9.3	10.8	13.6	*15.1*	18.6	22.2	22.2	19.3
82.5°	0.0	0.8	2.2	5.0	7.9	10.8	*12.2*	14.3	16.5	18.6	17.9
85°	0.0	0.8	2.2	3.6	5.7	6.5	*7.1*	5.0	4.3	4.3	3.6
87.5°	0.0	0.0	0.8	0.8	0.8	0.8	*0.8*	0.8	1.4	0.8	0.8
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: P653181
CATALOG NUMBER: GLAN-SA1D-840-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8
2.5°	750.8	750.1	750.1	747.9	752.2	750.1	751.5	750.8	741.5	748.7	743.6
5°	758.7	763.7	755.8	754.4	748.7	750.8	750.8	743.6	750.1	749.3	747.9
7.5°	778.7	770.1	761.5	752.9	751.5	749.3	741.5	738.7	743.6	737.9	746.5
10°	787.3	788.7	775.8	764.4	753.6	738.7	727.9	721.4	713.6	722.2	727.2
12.5°	826.6	812.3	790.1	772.3	735.8	720.7	710.0	707.1	720.7	723.6	718.6
15°	840.2	838.1	809.5	769.4	731.5	713.6	715.7	710.0	711.4	704.3	705.7
17.5°	868.2	843.9	810.2	760.1	730.7	726.5	713.6	690.6	677.8	672.0	677.1
20°	898.9	875.3	826.6	763.7	737.2	725.7	683.5	655.6	629.2	614.8	615.5
22.5°	926.1	896.8	819.5	765.1	742.9	695.7	644.9	589.8	556.8	534.6	535.4
25°	959.1	917.5	822.3	768.0	727.9	647.7	574.7	521.1	481.6	466.7	471.6
27.5°	977.7	930.4	838.1	774.4	688.5	579.7	501.0	450.9	428.0	420.8	420.2
30°	1033.5	959.1	857.4	761.5	622.7	506.7	433.7	402.9	380.8	374.3	375.8
32.5°	1116.5	1011.3	882.5	727.9	555.4	441.6	390.1	367.2	346.4	334.2	332.8
35°	1186.0	1100.8	909.0	675.7	477.4	391.5	359.3	330.7	299.1	285.6	282.0
37.5°	1318.4	1201.7	903.2	596.9	402.9	354.3	326.4	291.3	264.1	245.5	243.4
40°	1494.5	1319.8	875.3	501.0	347.8	321.3	291.3	257.7	224.0	208.3	206.8
42.5°	1708.4	1464.3	824.5	403.7	292.8	288.5	261.2	222.6	192.5	181.1	181.8
45°	1882.3	1588.1	773.0	324.2	252.0	256.3	232.6	196.1	175.3	166.0	166.0
47.5°	2036.9	1671.9	717.1	267.7	214.0	224.0	203.3	181.8	163.9	156.8	155.3
50°	2185.8	1757.1	661.4	216.9	182.5	192.5	190.4	173.2	158.9	150.3	151.0
52.5°	2278.9	1770.7	590.5	177.5	159.6	171.1	178.2	162.5	146.8	141.7	140.3
55°	2165.1	1595.4	458.1	146.0	135.2	150.3	163.9	146.0	133.8	125.2	124.6
56°	*2011.9*	*1426.4*	*382.9*	*134.6*	*128.1*	*144.6*	*158.9*	*139.6*	*126.0*	*120.9*	*117.4*
57.5°	1703.4	1167.3	282.7	119.5	118.8	134.6	151.0	133.1	117.4	113.1	113.1
60°	1062.1	657.1	171.1	100.2	103.0	119.5	136.0	118.8	104.5	104.5	106.6
62.5°	483.8	273.4	103.8	85.2	88.7	103.0	120.9	107.4	99.5	107.4	108.8
65°	164.6	118.1	75.2	68.0	70.1	85.2	103.8	108.8	108.1	113.1	116.0
67.5°	92.3	75.9	63.0	56.5	55.1	63.0	85.2	108.8	104.5	102.3	103.8
70°	78.0	64.4	55.8	50.1	47.9	50.8	65.9	82.3	73.8	71.6	70.1
72.5°	63.0	53.7	48.7	45.1	38.7	32.9	30.0	31.5	35.1	37.3	40.8
75°	44.4	40.8	40.8	36.5	27.9	20.8	16.5	13.6	9.3	6.5	7.1
77.5°	25.1	25.1	25.7	22.2	17.9	13.6	10.0	7.1	3.6	1.4	0.8
80°	17.2	18.6	20.0	17.9	15.1	12.2	8.6	5.0	2.2	0.0	0.0
82.5°	17.2	19.3	20.8	17.9	15.1	11.4	8.6	5.0	2.2	0.8	0.0
85°	3.6	4.3	5.0	5.7	8.6	8.6	6.5	4.3	2.2	0.8	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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

(END OF REPORT)