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: McGRAW-EDISON

Report Number: P955829

Luminaire Tested: **GALN-SB8C-930-U-T2U**

Issue Date: 1/21/2025

Report Generated By 670246001

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

Test Information

Test Method:	LM-79-08
Report Number:	P955829
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB8C-930-U-T2U
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	-

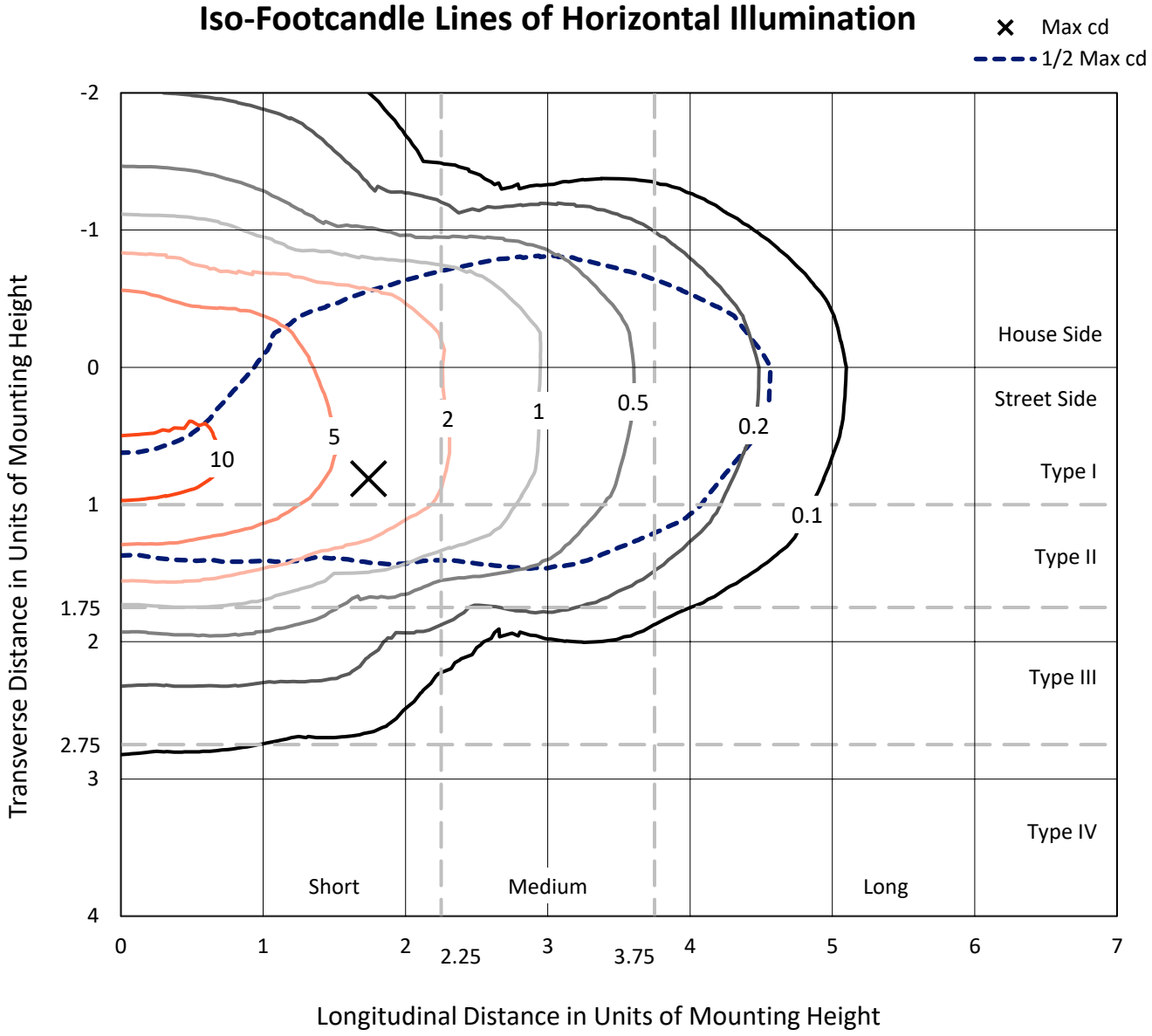
Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	42692 lumens
Efficiency:	N/A
Efficacy:	106.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4
Input Watts (W):	399.8
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

REPORT NUMBER: P955829
CATALOG NUMBER: GALN-SB8C-930-U-T2U

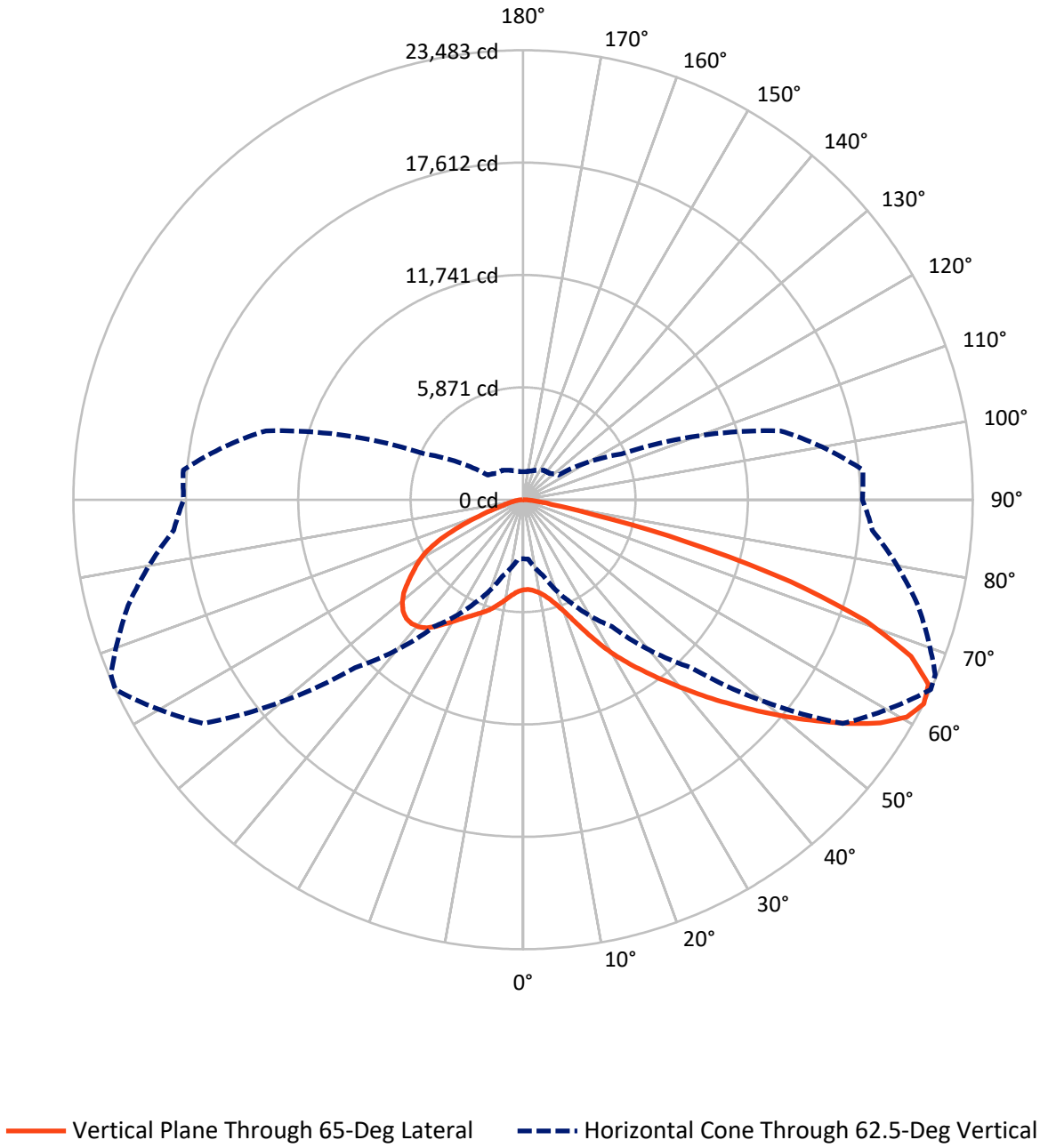
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type II - Short - N/A

REPORT NUMBER: P955829
CATALOG NUMBER: GALN-SB8C-930-U-T2U

Luminous Intensity Polar Plot



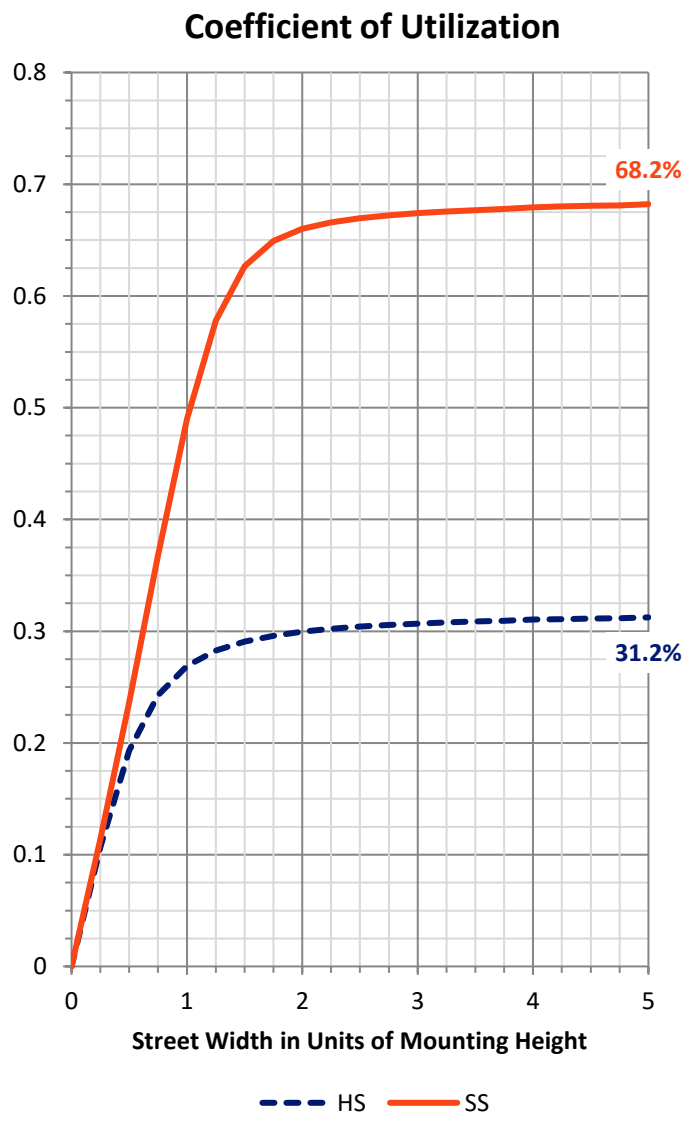
REPORT NUMBER: P955829
CATALOG NUMBER: GALN-SB8C-930-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13471.7	0.0	13471.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	29220.3	0.0	29220.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	42692.0	0.0	42692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.0	1.1
10°-20°	1590.5	3.7
20°-30°	3225.0	7.6
30°-40°	5580.7	13.1
40°-50°	8445.4	19.8
50°-60°	9901.7	23.2
60°-70°	8301.4	19.4
70°-80°	4583.0	10.7
80°-90°	595.3	1.4
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°	42692.0	100.0
0°-180°	42692.0	100.0

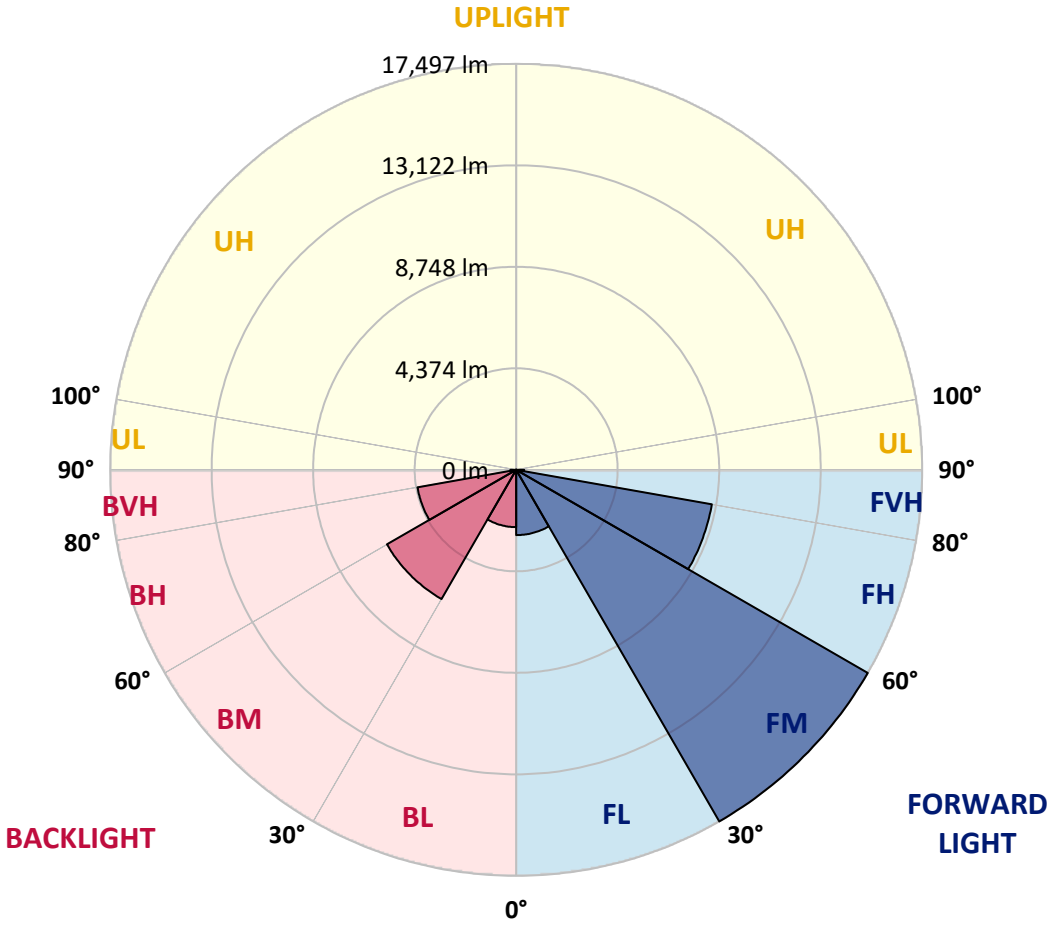


REPORT NUMBER: P955829
CATALOG NUMBER: GALN-SB8C-930-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2814.0	6.6			
FM	(30°-60°)	17496.6	41.0			
FH	(60°-80°)	8562.8	20.1			G4/12000
FVH	(80°-90°)	347.0	0.8			G3/500
BL	(0°-30°)	2470.6	5.8	B3/2500		
BM	(30°-60°)	6431.2	15.1	B4/8500		
BH	(60°-80°)	4321.6	10.1	B4/5000		G4/5000
BVH	(80°-90°)	248.3	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type II Short



REPORT NUMBER: P955829
CATALOG NUMBER: GALN-SB8C-930-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	4704.5	4704.5	4704.5	4704.5	4704.5	4704.5	4704.5	*4704.5*	4704.5	4704.5
2.5°	4673.5	4660.2	4671.2	4671.2	4675.7	4673.5	4689.0	*4693.4*	4700.0	4713.3
5°	4627.0	4624.7	4644.7	4662.4	4680.1	4695.6	4715.5	*4744.3*	4748.8	4764.3
7.5°	4611.4	4598.2	4629.2	4651.3	4693.4	4731.1	4784.2	*4832.9*	4852.9	4859.5
10°	4731.1	4708.9	4737.7	4751.0	4786.4	4824.1	4886.1	*4963.6*	4985.8	5012.3
12.5°	4934.8	4910.5	4952.5	4972.5	5005.7	5038.9	5081.0	*5156.3*	5167.4	5216.1
15°	5213.9	5185.1	5211.7	5236.1	5291.4	5322.4	5364.5	*5437.6*	5437.6	5475.3
17.5°	5592.7	5555.0	5574.9	5583.8	5619.2	5665.7	5736.6	*5800.9*	5834.1	5820.8
20°	6157.5	6110.9	6110.9	6066.6	6053.4	6091.0	6184.0	*6272.6*	6308.1	6239.4
22.5°	7005.8	6939.3	6901.7	6751.1	6691.2	6695.7	6788.7	*6897.2*	6926.0	6804.2
25°	8084.4	7980.3	7929.4	7707.9	7572.8	7455.4	7528.5	*7668.0*	7707.9	7557.3
27.5°	9163.1	9169.7	9121.0	8855.2	8631.5	8416.7	8379.0	*8525.2*	8567.3	8396.7
30°	10675.9	10518.6	10425.6	10106.6	9787.7	9486.5	9331.4	*9391.2*	9402.3	9198.5
32.5°	11980.5	11940.6	11741.2	11462.2	11052.4	10580.6	10321.5	*10226.2*	10208.5	9918.4
35°	13466.7	13444.5	13234.1	12901.9	12458.9	11803.3	11335.9	*11063.5*	11041.3	10633.8
37.5°	14977.2	14977.2	14771.2	14408.0	13949.5	13130.0	12419.0	*11987.1*	11916.2	11384.6
40°	16182.1	16109.1	16146.7	15993.9	15468.9	14598.5	13621.7	*12994.9*	12899.6	12261.8
42.5°	16866.6	16842.2	17068.1	17238.7	17023.8	16328.3	14946.2	*14086.8*	13953.9	13227.5
45°	17019.4	16992.8	17395.9	18020.5	18321.8	18036.0	16385.9	*15236.4*	15074.7	14237.5
47.5°	16667.2	16614.1	17205.4	18191.1	19156.8	19659.6	17945.2	*16483.4*	16248.6	15220.9
50°	15608.5	15557.5	16452.4	17761.4	19438.1	20762.6	19637.4	*17805.7*	17446.9	16275.2
52.5°	13307.2	13331.6	14733.6	16532.1	19068.2	21449.2	21094.8	*19198.9*	18767.0	17353.8
55°	10365.8	10418.9	12142.1	14122.3	17588.6	21345.1	22089.3	*20634.1*	20204.4	18368.3
57.5°	7422.2	7657.0	9271.6	11231.8	14746.9	19695.0	22306.4	*21998.5*	21582.1	19475.7
60°	4810.8	4852.9	6514.1	8489.8	11229.6	16762.5	21865.6	*23032.9*	22707.3	20605.3
62.5°	*3083.2*	*3112.0*	*4124.2*	*5938.2*	*8082.2*	*12401.3*	*20381.6*	*23482.5*	*23382.8*	*21351.8*
65°	2265.9	2243.7	2770.9	3924.8	5444.3	7648.1	17500.0	*23265.4*	23462.6	21819.1
67.5°	1891.5	1860.5	2119.7	2717.7	4011.2	4343.4	12948.4	*21854.5*	22576.6	21765.9
70°	1723.2	1696.6	1853.9	2017.8	3129.7	2908.2	6527.3	*18999.5*	20111.4	21161.3
72.5°	1459.6	1413.1	1628.0	1791.9	2434.2	2230.4	2697.8	*14594.1*	15949.6	19223.2
75°	1131.8	1100.8	1284.6	1577.0	1829.5	1740.9	1705.5	*8861.9*	10341.4	14866.5
77.5°	897.0	855.0	1023.3	1229.3	1645.7	1313.4	1242.6	*3816.3*	5282.6	9490.9
80°	675.5	637.9	777.4	972.3	1264.7	990.1	804.0	*1557.1*	1991.2	4808.6
82.5°	480.6	447.4	542.7	713.2	850.5	888.2	493.9	*872.7*	981.2	1853.9
85°	307.9	287.9	363.2	447.4	540.4	571.4	301.2	*456.3*	500.6	764.1
87.5°	168.3	137.3	194.9	208.2	250.3	228.1	144.0	*166.1*	179.4	276.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

REPORT NUMBER: P955829
CATALOG NUMBER: GALN-SB8C-930-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4704.5	0°	4704.5	4704.5	4704.5	4704.5	4704.5	4704.5	4704.5	4704.5	4704.5	4704.5
4713.3	2.5°	4722.2	4728.8	4751.0	4757.6	4773.1	4793.1	4806.4	4819.6	4819.6	4832.9
4784.2	5°	4786.4	4801.9	4848.4	4872.8	4912.7	4952.5	4976.9	5005.7	5023.4	5032.3
4897.2	7.5°	4910.5	4934.8	5001.3	5043.4	5112.0	5167.4	5205.0	5244.9	5253.8	5278.1
5054.4	10°	5078.8	5107.6	5182.9	5262.6	5344.6	5413.2	5448.7	5477.5	5488.6	5493.0
5256.0	12.5°	5271.5	5313.6	5411.0	5508.5	5594.9	5654.7	5663.5	5656.9	5625.9	5599.3
5504.1	15°	5508.5	5546.1	5654.7	5761.0	5845.2	5856.2	5800.9	5765.4	5727.8	5721.1
5780.9	17.5°	5792.0	5811.9	5911.6	6015.7	6022.3	5984.7	5902.7	5869.5	5834.1	5809.7
6142.0	20°	6122.0	6115.4	6186.2	6230.5	6184.0	6068.9	5944.8	5889.5	5854.0	5825.2
6584.9	22.5°	6516.3	6465.3	6456.5	6445.4	6321.4	6079.9	5911.6	5840.7	5785.4	5745.5
7202.9	25°	7089.9	6895.0	6759.9	6684.6	6405.5	6020.1	5805.3	5648.0	5543.9	5475.3
7958.2	27.5°	7807.6	7479.8	7138.7	6954.8	6405.5	5898.3	5548.4	5293.6	5123.1	5052.2
8689.1	30°	8492.0	8148.7	7645.9	7280.4	6390.0	5699.0	5134.2	4779.8	4580.4	4509.6
9313.7	32.5°	9076.7	8702.4	8184.1	7637.0	6352.4	5375.6	4620.3	4228.3	4035.6	3951.4
9931.7	35°	9619.4	9220.7	8724.5	8029.1	6252.7	4901.6	4055.5	3756.5	3541.6	3406.5
10560.7	37.5°	10175.3	9701.3	9236.2	8383.4	6073.3	4347.9	3621.4	3366.7	3114.2	2932.5
11229.6	40°	10780.0	10213.0	9783.3	8593.9	5778.7	3820.7	3284.7	3052.1	2784.1	2591.4
12000.4	42.5°	11486.5	10826.5	10392.4	8702.4	5375.6	3446.4	3065.4	2837.3	2584.8	2427.5
12826.6	45°	12224.1	11502.0	10948.3	8700.2	4926.0	3271.4	2994.6	2768.6	2489.6	2325.7
13674.9	47.5°	12997.1	12208.6	11428.9	8558.4	4536.1	3295.8	2954.7	2620.2	2312.4	2152.9
14532.0	50°	13772.3	12981.6	11894.1	8292.6	4370.0	3242.6	2806.3	2412.0	2048.8	1904.8
15336.1	52.5°	14540.9	13803.3	12295.0	7913.9	4201.7	3045.5	2615.8	2141.8	1940.3	1840.6
16166.6	55°	15313.9	14616.2	12731.3	7362.4	3780.9	2815.2	2296.9	2039.9	1853.9	1763.1
16979.5	57.5°	16089.1	15555.3	13145.5	6810.9	3251.5	2531.6	2121.9	1915.9	1767.5	1690.0
17659.5	60°	16895.3	16629.6	13573.0	6303.6	2728.8	2168.4	1993.4	1816.2	1665.6	1579.2
18312.9	62.5°	*17725.9*	*17812.3*	*13907.4*	*5650.2*	*2248.1*	*1946.9*	*1878.2*	*1696.6*	*1550.4*	*1468.5*
18853.3	65°	18563.2	18953.0	14126.7	4744.3	1822.9	1736.5	1754.2	1565.9	1417.5	1346.7
19249.8	67.5°	19194.4	19774.7	14064.7	3590.4	1495.1	1537.1	1599.2	1428.6	1289.1	1233.7
19185.6	70°	19265.3	19677.3	13453.4	2458.6	1251.4	1342.2	1426.4	1293.5	1149.5	1109.7
18281.9	72.5°	18321.8	18348.3	11750.1	1605.8	1058.7	1178.3	1244.8	1156.2	1016.6	976.8
15993.9	75°	15847.7	15174.4	8627.1	1058.7	886.0	1012.2	1074.2	1012.2	877.1	886.0
11967.2	77.5°	12007.0	10746.8	5238.3	753.1	739.8	850.5	934.7	890.4	775.2	870.5
6017.9	80°	6186.2	5814.1	2336.7	562.6	584.7	680.0	768.6	711.0	613.5	584.7
1344.5	82.5°	1417.5	1647.9	921.4	403.1	423.0	489.5	587.0	533.8	440.8	372.1
560.4	85°	496.1	542.7	407.5	252.5	248.1	305.7	398.7	356.6	299.0	239.2
237.0	87.5°	157.3	206.0	152.8	101.9	106.3	137.3	183.8	168.3	139.5	90.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

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

180°
4704.5
4832.9
5036.7
5269.3
5481.9
5599.3
5721.1
5811.9
5827.4
5758.8
5501.8
5087.7
4551.6
3993.5
3450.8
2981.3
2629.1
2458.6
2352.2
2175.0
1913.7
1840.6
1754.2
1676.7
1572.6
1466.3
1344.5
1235.9
1111.9
974.6
855.0
766.4
533.8
367.7
252.5
95.2
0.0

F REPORT)