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: P528781

Luminaire Tested: **GLAN-SA3D-827-U-SLL-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:	P528781
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA3D-827-U-SLL-GRSBK
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9385 lumens
Efficiency:	N/A
Efficacy:	51.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G1

Input Watts (W):	184
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

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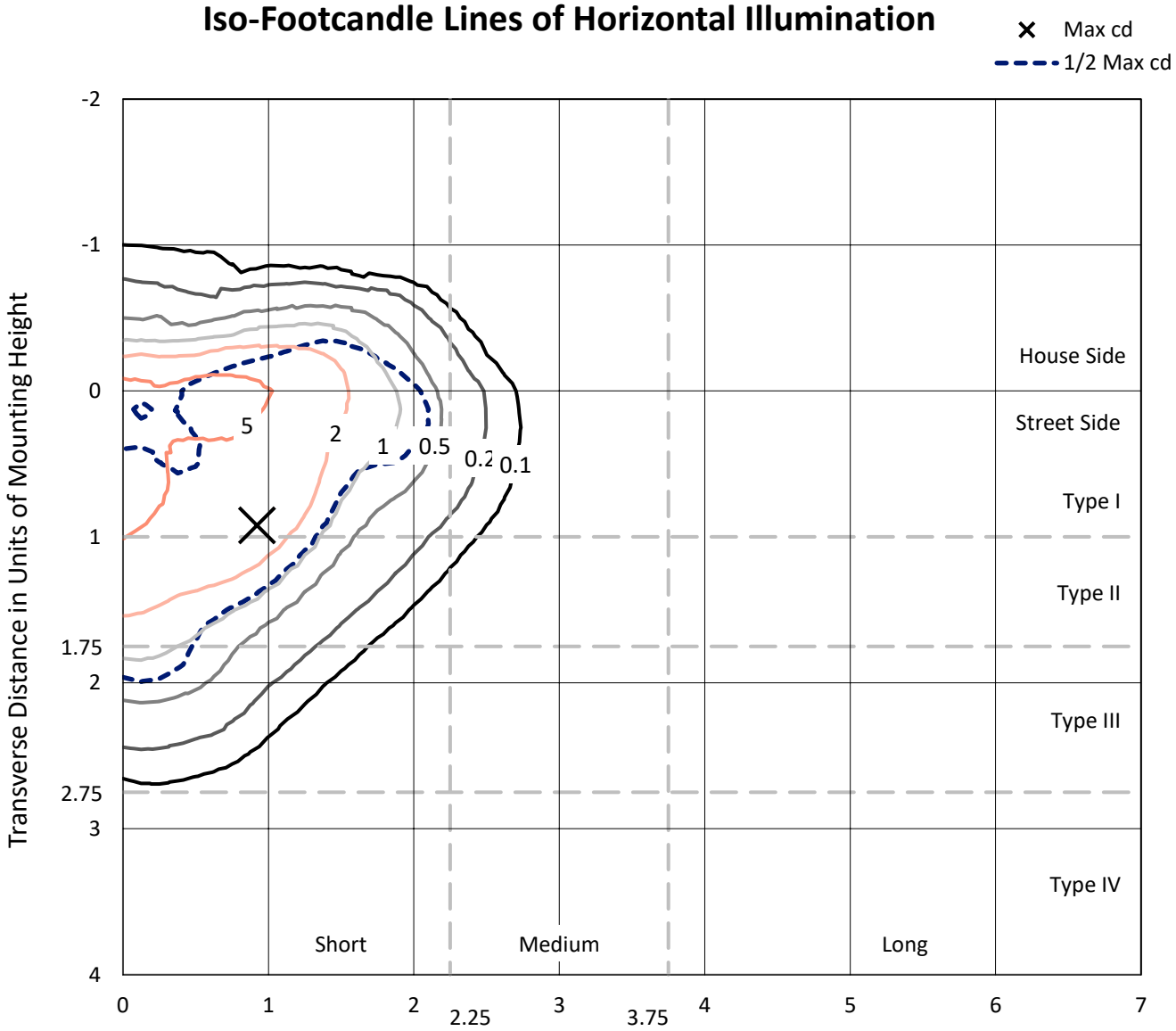
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type III - Short - N/A

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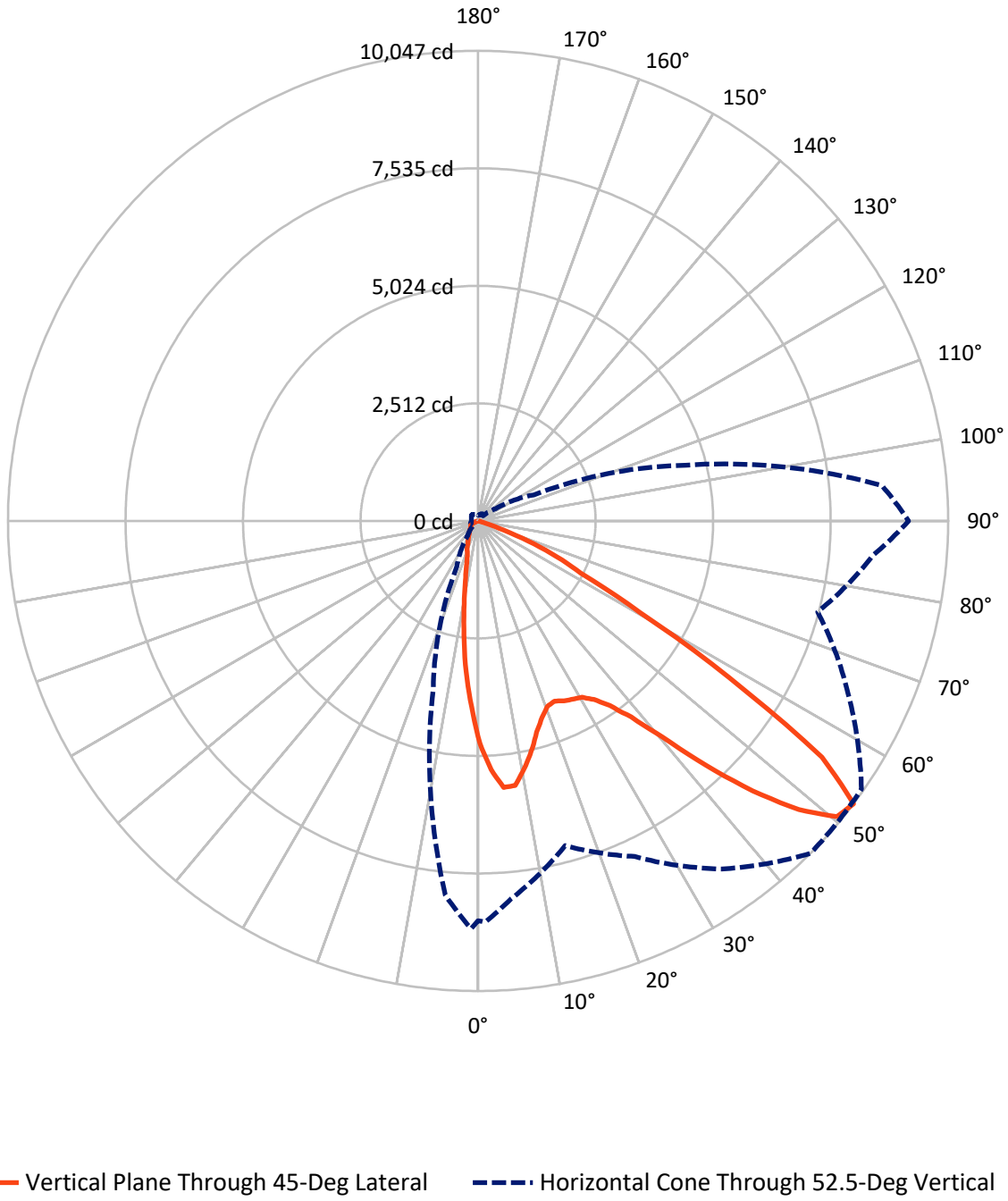
Luminous Intensity Polar Plot



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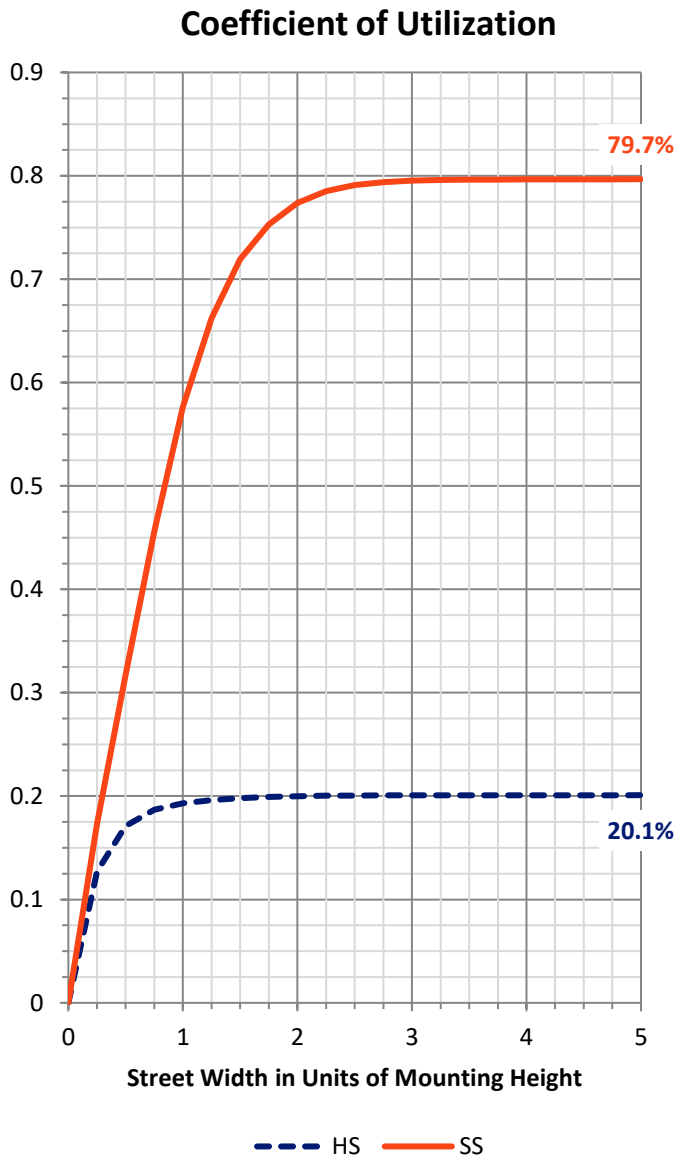
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1904.7	0.0	1904.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	7480.3	0.0	7480.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	9385.0	0.0	9385.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.0	3.7
10°-20°	684.7	7.3
20°-30°	1042.0	11.1
30°-40°	1557.4	16.6
40°-50°	2217.9	23.6
50°-60°	2384.1	25.4
60°-70°	1056.5	11.3
70°-80°	85.5	0.9
80°-90°	10.0	0.1
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°	9385.0	100.0
0°-180°	9385.0	100.0



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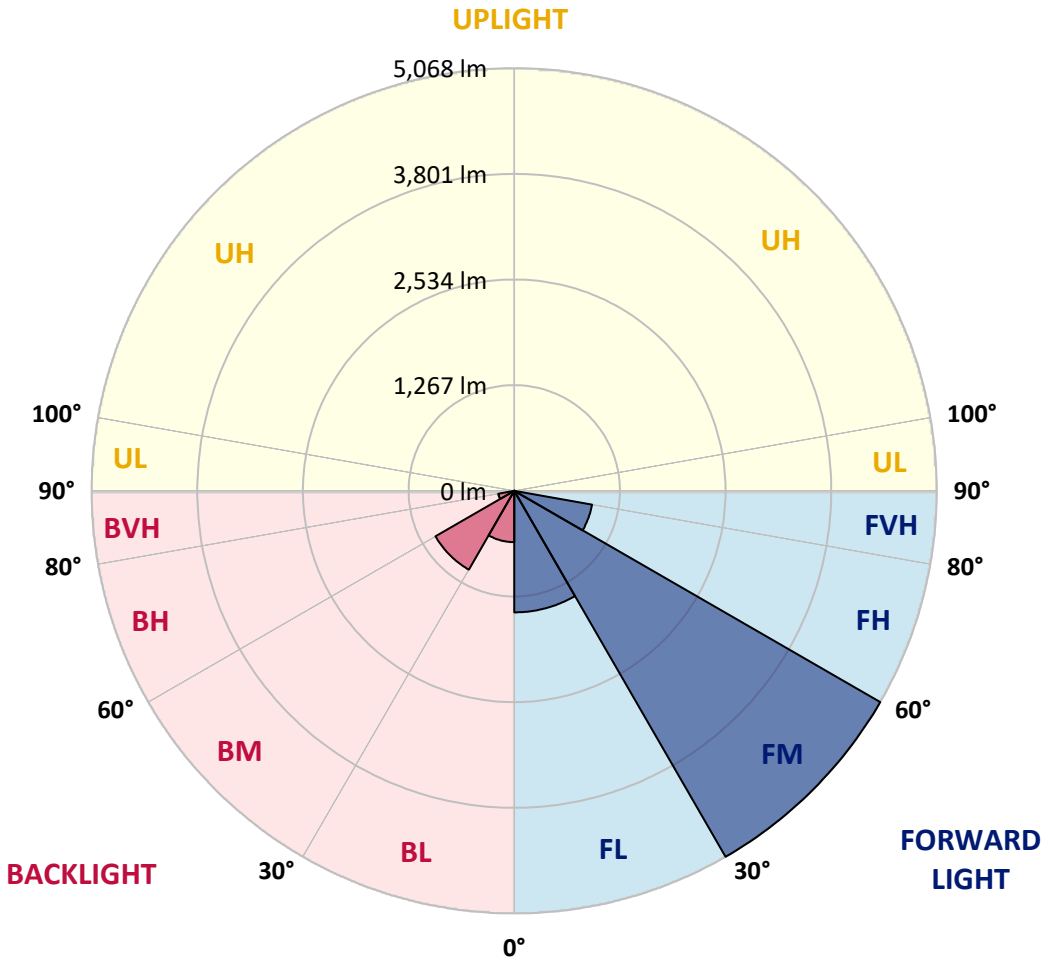
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1457.7	15.5			
FM	(30°-60°)	5068.2	54.0			
FH	(60°-80°)	947.1	10.1			G1/1800
FVH	(80°-90°)	7.4	0.1			G0/10
BL	(0°-30°)	616.1	6.6	B2/1000		
BM	(30°-60°)	1091.2	11.6	B2/2500		
BH	(60°-80°)	194.9	2.1	B1/500		G1/500
BVH	(80°-90°)	2.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6
2.5°	5035.5	5050.3	5131.5	5233.0	5286.5	5408.4	5323.5	5345.6	5299.5	5137.0	5009.7
5°	4882.3	4880.5	4983.8	5234.9	5473.0	5714.8	5722.2	5593.0	5365.9	5116.7	4760.5
7.5°	4420.8	4492.8	4599.9	5000.4	5441.6	5622.5	5709.2	5557.9	5209.0	4852.8	4467.0
10°	4072.0	4108.9	4289.8	4773.4	5096.4	5338.2	5391.8	5305.0	5037.4	4592.5	4160.6
12.5°	3870.8	3889.2	4101.5	4507.6	4849.1	5028.1	5054.0	5094.6	4902.6	4485.4	3966.8
15°	3872.6	3887.4	4173.5	4513.1	4647.9	4599.9	4684.8	4683.0	4766.0	4465.1	4129.2
17.5°	4151.3	4168.0	4426.4	4594.3	4535.3	4422.7	4417.1	4502.1	4677.4	4718.0	4374.7
20°	4631.3	4670.0	4860.2	4850.9	4518.7	4291.6	4228.9	4293.5	4701.4	4932.1	4869.4
22.5°	5277.3	5330.8	5463.8	5209.0	4594.3	4203.0	4182.7	4308.2	4860.2	5410.2	5430.5
25°	6026.7	6117.2	6181.8	5855.1	4863.8	4356.2	4260.2	4476.2	5074.3	5928.9	6144.9
27.5°	6523.3	6617.4	6602.6	6135.6	5044.7	4396.8	4315.6	4516.8	5260.7	6052.6	6517.7
30°	6910.9	6968.1	7071.5	6287.0	5225.6	4511.3	4372.8	4688.5	5321.6	6266.7	6968.1
32.5°	7363.1	7401.9	7409.3	6554.7	5504.4	4655.3	4550.0	4902.6	5591.1	6471.6	7366.8
35°	7819.1	7876.3	7756.3	6885.1	5676.0	4922.9	4845.4	5273.6	5807.1	6683.9	7806.1
37.5°	8313.8	8343.3	8066.4	7021.7	5921.5	5358.5	5316.1	5674.2	6181.8	7067.8	8293.5
40°	8729.1	8756.8	8396.8	7189.6	6179.9	5967.7	6076.6	6438.4	6691.2	7317.0	8537.1
42.5°	8959.8	9024.4	8507.6	7097.3	6698.6	6658.0	7141.6	7269.0	7281.9	7387.1	8754.9
45°	9022.6	8993.0	8324.8	7173.0	7152.7	7793.2	8232.5	8400.5	7868.9	7516.3	8810.3
47.5°	8732.8	8771.5	8055.3	7106.6	7748.9	8653.4	9221.9	9533.9	8306.4	7403.8	8673.7
50°	8498.3	8448.5	7968.6	7058.6	7909.5	9059.5	9936.3	10006.4	8708.8	7542.2	8524.2
52.5°	8544.5	8575.9	8107.0	7185.9	7913.2	9083.5	10047.0	9999.0	8721.7	7510.8	8470.7
55°	8642.3	8503.9	8048.0	6905.4	7383.4	8413.4	8917.4	8843.5	8049.8	7176.7	8339.6
57.5°	7457.3	7671.4	7400.1	6165.2	6060.0	6338.7	6329.5	6556.5	6004.6	6176.3	7592.0
60°	6052.6	6089.5	6191.0	5273.6	4193.8	4097.8	3964.9	3820.9	4040.6	5281.0	6905.4
62.5°	5323.5	5279.2	5641.0	4797.4	2960.8	2479.0	2456.8	2545.4	3117.7	5037.4	6477.1
65°	3868.9	3924.3	4186.4	3723.1	2222.4	1892.0	1858.8	2120.9	2523.3	4036.9	4943.2
67.5°	2362.7	2469.8	2493.8	2296.3	1508.1	1198.0	1150.0	1388.1	1821.9	2611.9	2898.0
70°	1090.9	1220.1	1341.9	1253.3	873.1	492.8	465.2	583.3	919.2	1502.5	1537.6
72.5°	330.4	332.3	465.2	485.5	282.4	110.8	97.8	129.2	312.0	496.5	522.4
75°	24.0	25.8	62.8	72.0	53.5	27.7	29.5	35.1	66.5	110.8	83.1
77.5°	1.8	1.8	1.8	9.2	16.6	18.5	24.0	27.7	35.1	40.6	36.9
80°	1.8	0.0	1.8	7.4	12.9	18.5	22.2	25.8	27.7	31.4	27.7
82.5°	0.0	0.0	0.0	5.5	12.9	18.5	20.3	27.7	31.4	36.9	31.4
85°	0.0	0.0	0.0	5.5	12.9	20.3	18.5	9.2	0.0	0.0	0.0
87.5°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6
2.5°	5031.8	4959.8	4795.5	4712.5	4516.8	4489.1	4297.2	4265.8	4201.2	4166.1	4081.2
5°	4603.6	4516.8	4249.2	4024.0	3761.9	3579.1	3438.8	3311.5	3237.6	3169.3	3200.7
7.5°	4254.7	4001.8	3704.6	3328.1	3025.4	2829.7	2615.6	2440.2	2336.9	2266.7	2283.3
10°	3889.2	3724.9	3311.5	2888.8	2523.3	2384.9	2216.9	2082.1	1936.3	1810.8	1751.7
12.5°	3774.8	3531.1	3012.4	2582.4	2305.5	2170.7	1978.8	1823.7	1637.3	1484.1	1430.5
15°	3795.1	3560.7	2931.2	2471.6	2144.9	1912.3	1683.4	1491.5	1286.6	1179.5	1124.1
17.5°	4125.5	3719.4	2984.8	2355.3	1921.5	1598.5	1316.1	1072.4	919.2	808.5	784.5
20°	4531.6	4062.7	3099.2	2270.4	1738.8	1271.8	961.7	751.3	623.9	605.4	599.9
22.5°	5126.0	4623.9	3344.7	2213.2	1515.5	991.2	659.0	546.4	511.3	507.6	509.5
25°	5956.6	5327.2	3612.4	2165.2	1347.5	764.2	539.0	463.3	452.2	446.7	455.9
27.5°	6316.5	5751.7	3754.5	2061.8	1194.3	688.5	531.6	459.6	428.2	419.0	424.5
30°	6761.4	6034.1	3977.8	1884.6	969.1	566.7	496.5	500.2	485.5	439.3	424.5
32.5°	7352.1	6386.7	4090.4	1759.1	865.7	468.8	363.6	334.1	372.9	380.2	393.2
35°	7730.5	6744.8	4147.7	1685.3	812.2	400.6	308.3	280.6	271.3	273.2	280.6
37.5°	8433.7	7228.4	4219.6	1607.7	771.6	348.9	278.7	252.9	240.0	240.0	247.3
40°	8854.6	7612.3	4317.5	1565.3	731.0	317.5	252.9	230.7	219.7	219.7	223.3
42.5°	8959.8	7802.5	4284.2	1550.5	684.8	310.1	230.7	214.1	201.2	199.4	197.5
45°	9148.1	8092.3	4289.8	1533.9	636.8	282.4	217.8	199.4	180.9	179.0	177.2
47.5°	9354.8	8300.8	4300.9	1469.3	590.7	236.3	227.0	184.6	162.4	158.7	158.7
50°	9177.6	8467.0	4396.8	1404.7	531.6	192.0	223.3	173.5	144.0	138.4	140.3
52.5°	*9199.8*	*8662.6*	*4599.9*	*1314.3*	*457.8*	*153.2*	*180.9*	*164.3*	*131.1*	*121.8*	*123.7*
55°	8845.4	8455.9	4627.6	1218.3	358.1	118.1	138.4	144.0	110.8	107.1	107.1
57.5°	7614.2	7160.1	4083.0	987.5	236.3	97.8	99.7	125.5	96.0	92.3	94.1
60°	6515.9	5748.0	3285.6	651.6	147.7	77.5	72.0	127.4	84.9	83.1	88.6
62.5°	5940.0	4723.6	2491.9	404.2	101.5	59.1	49.8	103.4	73.8	73.8	81.2
65°	4291.6	3173.0	1449.0	212.3	72.0	46.1	36.9	59.1	60.9	62.8	66.5
67.5°	2658.0	1602.2	611.0	103.4	48.0	31.4	24.0	36.9	40.6	40.6	44.3
70°	1312.4	638.7	203.0	59.1	36.9	25.8	16.6	20.3	20.3	18.5	20.3
72.5°	406.1	192.0	51.7	36.9	25.8	16.6	9.2	7.4	3.7	0.0	1.8
75°	46.1	36.9	33.2	25.8	16.6	7.4	1.8	0.0	0.0	0.0	0.0
77.5°	27.7	31.4	31.4	25.8	16.6	5.5	0.0	0.0	0.0	0.0	0.0
80°	22.2	24.0	25.8	24.0	14.8	7.4	0.0	0.0	0.0	0.0	0.0
82.5°	27.7	31.4	35.1	31.4	20.3	9.2	3.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	5.5	1.8	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6
2.5°	4046.1	4005.5	4062.7	3977.8	3976.0	3977.8	3953.8	3931.7	3966.8	4060.9	4070.1
5°	3088.1	3174.9	3202.6	3293.0	3243.2	3169.3	3184.1	3134.3	3256.1	3309.6	3267.2
7.5°	2248.3	2242.7	2429.2	2440.2	2464.2	2466.1	2462.4	2364.5	2264.9	2287.0	2353.5
10°	1744.3	1650.2	1740.6	1731.4	1790.5	1773.9	1797.9	1692.7	1727.7	1727.7	1770.2
12.5°	1421.3	1321.6	1305.0	1281.0	1305.0	1314.3	1323.5	1303.2	1362.2	1389.9	1419.5
15°	1085.4	1030.0	1015.2	969.1	976.5	1002.3	1024.5	1033.7	1015.2	1057.7	1061.4
17.5°	788.2	786.3	795.6	793.7	786.3	780.8	779.0	755.0	747.6	751.3	766.0
20°	598.1	612.8	644.2	675.6	692.2	671.9	644.2	603.6	587.0	590.7	592.5
22.5°	511.3	533.5	575.9	611.0	627.6	590.7	540.8	505.8	498.4	496.5	494.7
25°	463.3	489.2	520.5	531.6	529.8	507.6	470.7	455.9	452.2	448.5	431.9
27.5°	437.5	446.7	452.2	465.2	470.7	455.9	446.7	424.5	420.9	420.9	409.8
30°	422.7	417.2	424.5	415.3	422.7	411.6	413.5	413.5	404.2	407.9	407.9
32.5°	393.2	395.0	395.0	376.6	382.1	369.2	382.1	393.2	395.0	396.9	411.6
35°	288.0	321.2	337.8	337.8	343.3	334.1	332.3	319.3	302.7	286.1	278.7
37.5°	252.9	265.8	288.0	300.9	310.1	302.7	286.1	265.8	256.6	249.2	241.8
40°	225.2	236.3	251.0	265.8	284.3	275.0	249.2	240.0	228.9	228.9	221.5
42.5°	203.0	208.6	217.8	240.0	260.3	241.8	223.3	216.0	210.4	208.6	206.7
45°	182.7	184.6	193.8	212.3	236.3	217.8	199.4	190.1	192.0	193.8	192.0
47.5°	164.3	168.0	173.5	195.7	210.4	201.2	180.9	175.4	175.4	175.4	177.2
50°	142.1	151.4	162.4	180.9	192.0	186.4	169.8	162.4	158.7	158.7	160.6
52.5°	*127.4*	*134.7*	*149.5*	*171.7*	*186.4*	*177.2*	*160.6*	*149.5*	*142.1*	*140.3*	*144.0*
55°	110.8	123.7	147.7	164.3	184.6	175.4	156.9	144.0	131.1	129.2	129.2
57.5°	99.7	120.0	142.1	162.4	179.0	171.7	156.9	140.3	123.7	121.8	121.8
60°	94.1	116.3	138.4	156.9	179.0	168.0	155.1	136.6	118.1	118.1	116.3
62.5°	88.6	108.9	131.1	149.5	171.7	162.4	149.5	131.1	112.6	112.6	108.9
65°	73.8	94.1	108.9	125.5	149.5	140.3	127.4	114.4	99.7	96.0	97.8
67.5°	51.7	64.6	79.4	96.0	110.8	107.1	101.5	92.3	79.4	77.5	75.7
70°	25.8	35.1	48.0	64.6	77.5	73.8	70.1	62.8	55.4	53.5	53.5
72.5°	3.7	11.1	20.3	29.5	40.6	42.5	40.6	38.8	36.9	35.1	36.9
75°	0.0	0.0	0.0	7.4	16.6	20.3	24.0	27.7	27.7	24.0	29.5
77.5°	0.0	0.0	0.0	0.0	1.8	9.2	18.5	24.0	29.5	25.8	35.1
80°	0.0	0.0	0.0	0.0	1.8	11.1	18.5	25.8	29.5	25.8	36.9
82.5°	0.0	0.0	0.0	0.0	1.8	12.9	18.5	24.0	27.7	25.8	33.2
85°	0.0	0.0	0.0	0.0	5.5	11.1	7.4	3.7	1.8	1.8	5.5
87.5°	0.0	0.0	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

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

Scaled Data Report

REPORT NUMBER: P528781
CATALOG NUMBER: GLAN-SA3D-827-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6	4758.6
2.5°	4121.8	4252.9	4393.2	4446.7	4612.8	4738.3	4823.2	5006.0	5033.7	5035.5
5°	3311.5	3377.9	3617.9	3730.5	3977.8	4169.8	4374.7	4670.0	4867.5	4882.3
7.5°	2353.5	2538.1	2639.6	2933.1	3237.6	3538.5	3843.1	4186.4	4415.3	4420.8
10°	1893.9	2013.8	2194.7	2414.4	2671.0	2977.4	3383.5	3782.2	4014.7	4072.0
12.5°	1524.7	1735.1	1941.8	2168.9	2364.5	2595.3	3032.8	3564.4	3756.3	3870.8
15°	1174.0	1365.9	1609.6	1875.4	2096.9	2405.2	2903.5	3510.8	3833.9	3872.6
17.5°	865.7	1037.4	1262.6	1513.6	1845.9	2283.3	2925.7	3782.2	4086.7	4151.3
20°	622.1	721.7	898.9	1190.6	1613.3	2141.2	2947.8	4057.2	4520.5	4631.3
22.5°	492.8	533.5	649.7	908.2	1353.0	1991.7	3104.7	4583.3	5116.7	5277.3
25°	428.2	450.4	505.8	716.2	1188.7	1976.9	3355.8	5214.6	5910.4	6026.7
27.5°	413.5	417.2	465.2	657.1	1100.1	1879.1	3451.8	5663.1	6405.1	6523.3
30°	435.6	494.7	498.4	555.6	935.9	1685.3	3501.6	6096.9	6824.2	6910.9
32.5°	376.6	358.1	371.0	430.1	823.3	1572.7	3595.7	6475.3	7302.2	7363.1
35°	262.1	275.0	304.6	372.9	719.9	1454.5	3619.7	6892.4	7756.3	7819.1
37.5°	241.8	249.2	273.2	317.5	633.1	1388.1	3586.5	7197.0	8227.0	8313.8
40°	225.2	234.4	247.3	288.0	568.5	1314.3	3540.4	7472.0	8515.0	8729.1
42.5°	212.3	219.7	230.7	275.0	513.1	1240.4	3475.8	7859.7	8773.4	8959.8
45°	197.5	208.6	221.5	267.6	481.8	1190.6	3427.8	7835.7	8922.9	9022.6
47.5°	182.7	201.2	216.0	249.2	472.5	1166.6	3448.1	7745.2	8801.1	8732.8
50°	168.0	192.0	217.8	206.7	450.4	1118.6	3472.1	7868.9	8511.3	8498.3
52.5°	*155.1*	*182.7*	*203.0*	*169.8*	*400.6*	*1072.4*	*3704.6*	*8031.3*	*8716.2*	*8544.5*
55°	136.6	164.3	162.4	136.6	324.9	1037.4	3887.4	8035.0	8577.7	8642.3
57.5°	123.7	145.8	127.4	114.4	240.0	867.6	3590.2	6737.4	7342.8	7457.3
60°	114.4	142.1	96.0	90.4	156.9	625.7	3134.3	5218.3	5836.6	6052.6
62.5°	105.2	134.7	75.7	73.8	108.9	444.9	2576.8	4367.3	5030.0	5323.5
65°	92.3	96.0	60.9	57.2	77.5	240.0	1569.0	3006.9	3760.0	3868.9
67.5°	75.7	73.8	49.8	46.1	51.7	116.3	692.2	1506.2	2180.0	2362.7
70°	60.9	60.9	42.5	36.9	36.9	53.5	180.9	599.9	985.7	1090.9
72.5°	44.3	46.1	33.2	29.5	27.7	25.8	29.5	120.0	258.4	330.4
75°	38.8	40.6	33.2	25.8	20.3	16.6	12.9	11.1	14.8	24.0
77.5°	42.5	42.5	35.1	24.0	18.5	12.9	7.4	3.7	3.7	1.8
80°	53.5	55.4	46.1	31.4	22.2	14.8	9.2	3.7	1.8	1.8
82.5°	57.2	62.8	51.7	38.8	27.7	16.6	9.2	1.8	0.0	0.0
85°	14.8	24.0	40.6	35.1	27.7	16.6	9.2	1.8	0.0	0.0
87.5°	0.0	1.8	5.5	5.5	7.4	7.4	5.5	1.8	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

(END OF REPORT)