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: P953618

Luminaire Tested: **GALN-SB7A-840-U-SLL**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P953618
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB7A-840-U-SLL
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30405 lumens
Efficiency:	N/A
Efficacy:	152.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	199.1
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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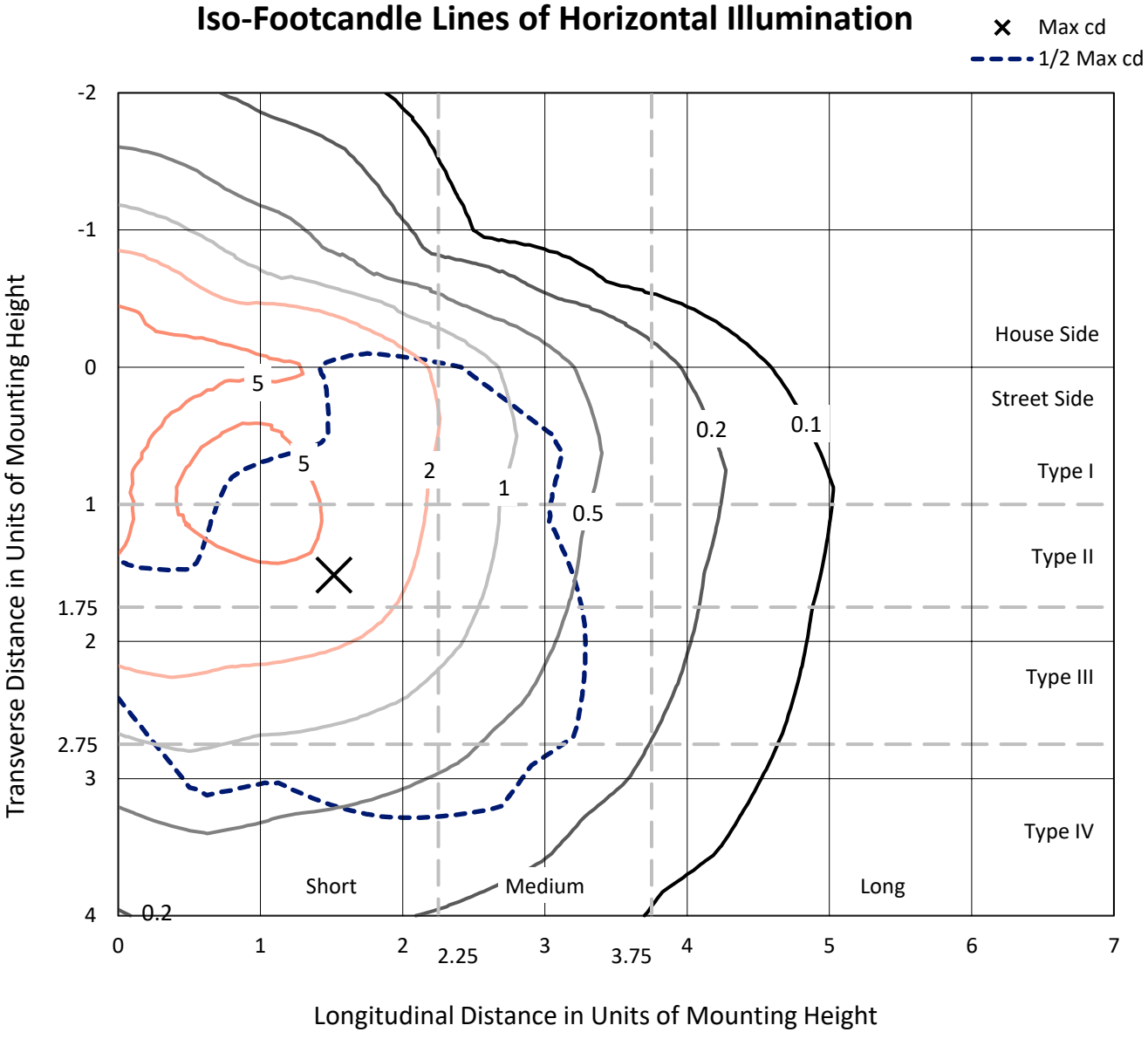
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type IV - Short - N/A

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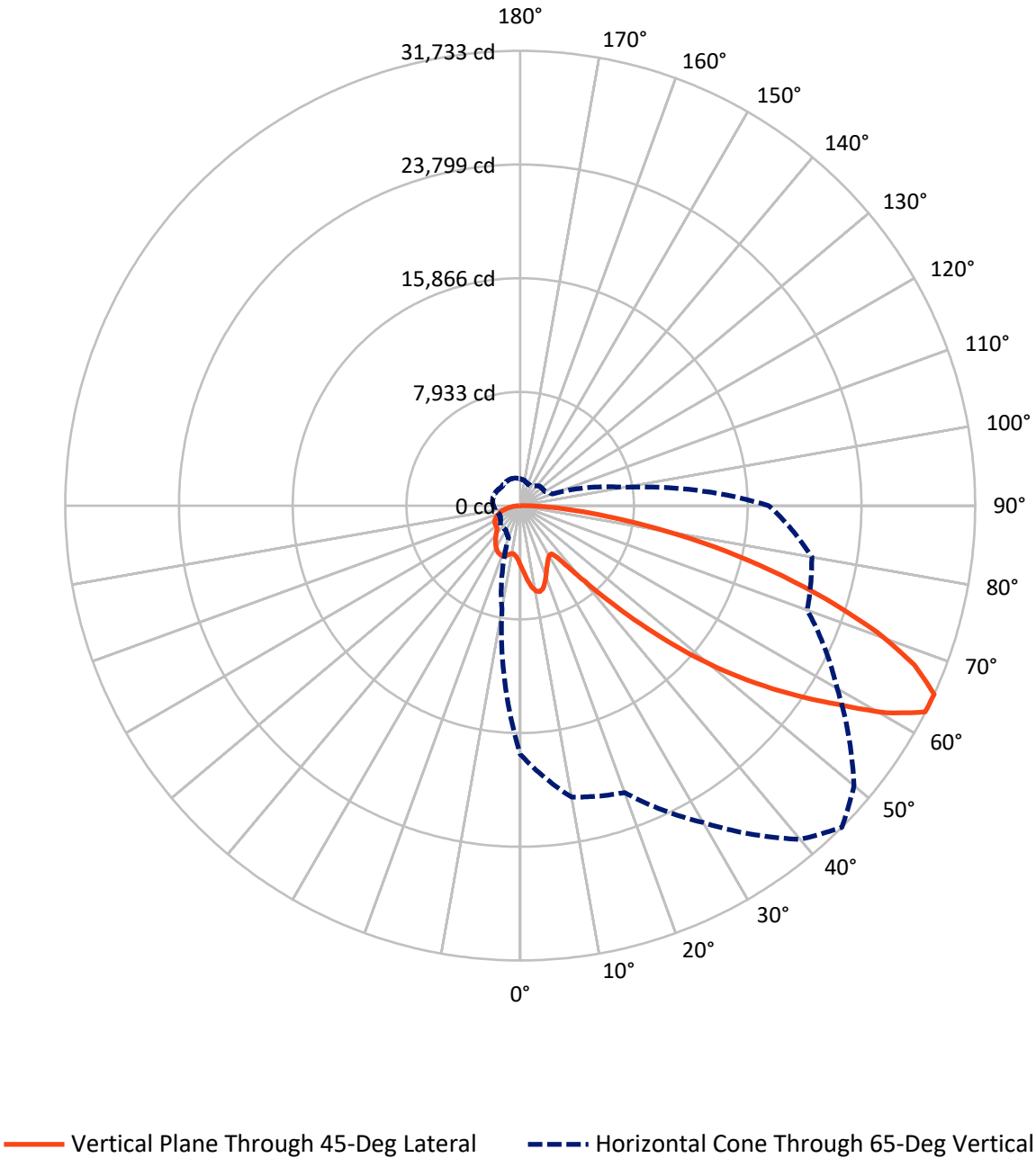
Luminous Intensity Polar Plot



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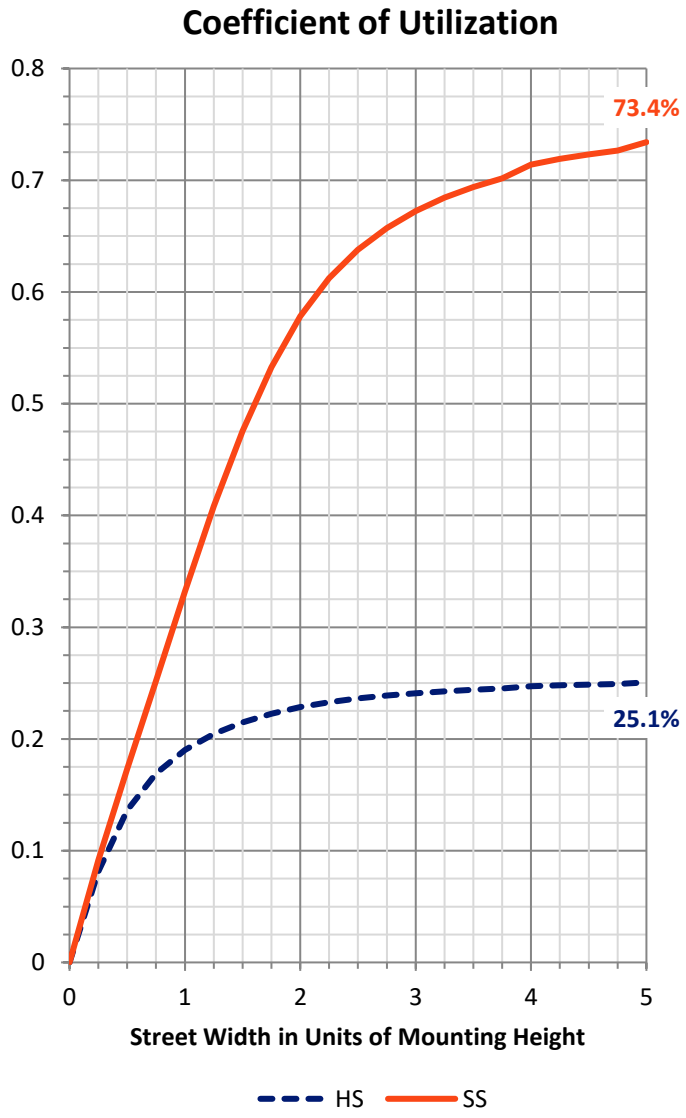
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7727.4	0.0	7727.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	22677.6	0.0	22677.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	30405.0	0.0	30405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.7	1.4
10°-20°	1302.0	4.3
20°-30°	2011.1	6.6
30°-40°	2548.6	8.4
40°-50°	3843.9	12.6
50°-60°	6210.4	20.4
60°-70°	7742.2	25.5
70°-80°	5077.0	16.7
80°-90°	1255.2	4.1
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°	30405.0	100.0
0°-180°	30405.0	100.0



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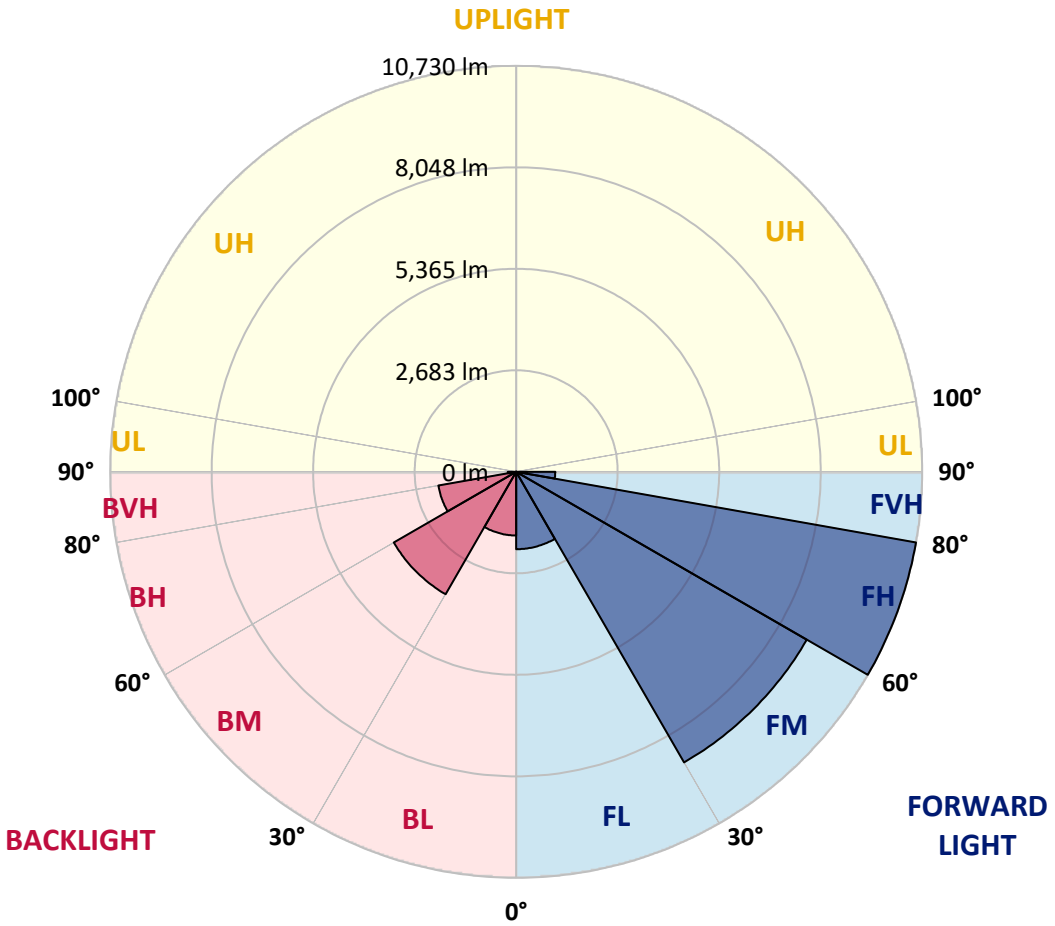
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2045.1	6.7			
FM	(30°-60°)	8868.5	29.2			
FH	(60°-80°)	10730.0	35.3			G4/12000
FVH	(80°-90°)	1034.0	3.4			G5
BL	(0°-30°)	1682.7	5.5	B3/2500		
BM	(30°-60°)	3734.4	12.3	B3/5000		
BH	(60°-80°)	2089.1	6.9	B3/2500		G3/2500
BVH	(80°-90°)	221.2	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	*4180.9*
2.5°	4496.2	4513.2	4530.4	4554.6	4578.8	4593.3	4607.7	4614.9	4622.1	*4618.9*
5°	4834.7	4894.2	4953.9	5013.0	5072.2	5104.3	5136.3	5155.8	5175.3	*5190.1*
7.5°	5174.8	5271.8	5368.5	5455.6	5542.7	5595.2	5647.7	5676.0	5704.3	*5717.9*
10°	5435.6	5550.1	5664.7	5766.9	5869.1	5931.0	5992.6	6020.2	6047.6	*6058.0*
12.5°	5595.2	5719.4	5843.4	5935.8	6027.9	6072.8	6117.7	6132.8	6147.9	*6149.5*
15°	5692.3	5799.4	5906.4	5964.4	6022.4	6024.0	6025.6	6009.6	5993.5	*5974.6*
17.5°	5746.8	5819.2	5891.5	5892.6	5893.6	5828.6	5763.6	5704.1	5644.4	*5602.4*
20°	5807.0	5832.2	5857.5	5781.3	5705.1	5561.7	5418.2	5313.8	5209.3	*5145.2*
22.5°	5876.8	5843.7	5810.7	5652.8	5494.9	5283.9	5073.0	4942.4	4811.8	*4740.9*
25°	5966.6	5862.3	5758.0	5518.3	5278.6	5022.4	4766.2	4628.9	4491.9	*4424.8*
27.5°	6088.5	5902.1	5715.5	5398.0	5080.7	4796.7	4512.7	4377.6	4242.7	*4179.3*
30°	6253.0	5974.9	5697.1	5306.2	4915.4	4619.6	4323.7	4198.4	4073.1	*4014.1*
32.5°	6447.1	6066.4	5685.8	5243.7	4801.5	4523.5	4245.4	4147.1	4048.6	*4006.1*
35°	6682.9	6217.0	5751.3	5290.5	4829.9	4636.7	4443.7	4420.8	4397.9	*4394.3*
37.5°	7080.0	6532.0	5983.9	5565.2	5146.5	5133.9	5121.4	5226.3	5331.3	*5385.8*
40°	7680.0	7084.0	6488.0	6176.6	5865.2	6085.0	6304.8	6559.9	6815.0	*6942.0*
42.5°	8475.8	7884.4	7293.1	7113.7	6934.3	7413.7	7893.1	8357.1	8821.1	*9093.5*
45°	9458.5	8927.3	8395.9	8316.8	8237.6	9005.6	9773.7	10536.1	11298.7	*11761.5*
47.5°	10687.4	10170.6	9653.7	9637.7	9621.6	10729.6	11837.3	12953.4	14069.4	*14724.8*
50°	12298.2	11659.8	11021.6	11024.3	11027.1	12454.9	13882.8	15356.1	16829.4	*17720.1*
52.5°	14147.2	13374.2	12601.4	12523.3	12445.0	14150.6	15856.2	17679.0	19501.7	*20569.4*
55°	16115.7	15352.1	14588.4	14283.7	13979.1	15877.3	17775.5	19948.6	22121.7	*23391.5*
57.5°	17906.2	17490.4	17074.3	16463.3	15852.3	17769.0	19685.8	22147.2	24608.4	*26183.1*
60°	18988.3	19634.3	20280.3	19521.5	18762.6	20576.5	22390.4	25025.7	27661.0	*29362.9*
62.5°	18438.9	20203.8	21968.8	21883.2	21797.6	23459.2	25121.0	27628.3	30135.4	*31708.5*
65°	*17339.1*	*18995.6*	*20652.1*	*20979.8*	*21307.4*	*23419.1*	*25530.9*	*27962.1*	*30393.2*	*31732.5*
67.5°	15865.5	17440.9	19016.4	19170.1	19323.7	21523.9	23723.9	26165.6	28607.3	*29656.5*
70°	14095.1	15808.7	17522.4	17591.1	17659.9	19627.5	21594.9	23696.2	25797.2	*26380.4*
72.5°	11985.3	13951.8	15918.4	15967.8	16017.1	17556.5	19095.8	20669.5	22243.1	*22302.1*
75°	9316.5	11351.8	13387.1	13569.8	13752.5	14950.2	16147.8	17255.6	18363.4	*18066.6*
77.5°	6656.5	8556.3	10456.4	10717.9	10979.4	11889.9	12800.3	13586.0	14371.8	*13861.6*
80°	4356.6	5955.0	7553.3	7878.3	8203.4	8891.0	9578.3	9991.0	10403.4	*9582.8*
82.5°	2532.5	3625.2	4718.1	5081.2	5444.4	5917.7	6390.9	6563.1	6735.1	*6090.1*
85°	1114.2	1694.2	2274.2	2583.0	2891.9	3280.7	3669.5	3767.2	3864.9	*3348.3*
87.5°	344.9	539.9	734.8	907.1	1079.4	1273.9	1468.3	1476.6	1484.8	*1246.6*
90°	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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
4180.9	0°	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9
4622.1	2.5°	4614.9	4607.7	4593.3	4578.8	4554.6	4530.4	4513.2	4496.2	4461.7	4427.2
5175.3	5°	5155.8	5136.3	5104.3	5072.2	5013.0	4953.9	4894.2	4834.7	4758.5	4682.3
5704.3	7.5°	5676.0	5647.7	5595.2	5542.7	5455.6	5368.5	5271.8	5174.8	5049.1	4923.4
6047.6	10°	6020.2	5992.6	5931.0	5869.1	5766.9	5664.7	5550.1	5435.6	5276.6	5117.6
6147.9	12.5°	6132.8	6117.7	6072.8	6027.9	5935.8	5843.4	5719.4	5595.2	5420.5	5245.9
5993.5	15°	6009.6	6025.6	6024.0	6022.4	5964.4	5906.4	5799.4	5692.3	5510.2	5328.1
5644.4	17.5°	5704.1	5763.6	5828.6	5893.6	5892.6	5891.5	5819.2	5746.8	5562.1	5377.5
5209.3	20°	5313.8	5418.2	5561.7	5705.1	5781.3	5857.5	5832.2	5807.0	5615.1	5423.0
4811.8	22.5°	4942.4	5073.0	5283.9	5494.9	5652.8	5810.7	5843.7	5876.8	5680.7	5484.5
4491.9	25°	4628.9	4766.2	5022.4	5278.6	5518.3	5758.0	5862.3	5966.6	5774.4	5582.4
4242.7	27.5°	4377.6	4512.7	4796.7	5080.7	5398.0	5715.5	5902.1	6088.5	5905.3	5721.9
4073.1	30°	4198.4	4323.7	4619.6	4915.4	5306.2	5697.1	5974.9	6253.0	6075.9	5898.9
4048.6	32.5°	4147.1	4245.4	4523.5	4801.5	5243.7	5685.8	6066.4	6447.1	6271.7	6096.5
4397.9	35°	4420.8	4443.7	4636.7	4829.9	5290.5	5751.3	6217.0	6682.9	6515.1	6347.1
5331.3	37.5°	5226.3	5121.4	5133.9	5146.5	5565.2	5983.9	6532.0	7080.0	6866.0	6652.0
6815.0	40°	6559.9	6304.8	6085.0	5865.2	6176.6	6488.0	7084.0	7680.0	7368.2	7056.3
8821.1	42.5°	8357.1	7893.1	7413.7	6934.3	7113.7	7293.1	7884.4	8475.8	8025.6	7575.4
11298.7	45°	10536.1	9773.7	9005.6	8237.6	8316.8	8395.9	8927.3	9458.5	8851.2	8244.0
14069.4	47.5°	12953.4	11837.3	10729.6	9621.6	9637.7	9653.7	10170.6	10687.4	9832.8	8978.0
16829.4	50°	15356.1	13882.8	12454.9	11027.1	11024.3	11021.6	11659.8	12298.2	11009.7	9721.1
19501.7	52.5°	17679.0	15856.2	14150.6	12445.0	12523.3	12601.4	13374.2	14147.2	12246.0	10344.9
22121.7	55°	19948.6	17775.5	15877.3	13979.1	14283.7	14588.4	15352.1	16115.7	13342.1	10568.7
24608.4	57.5°	22147.2	19685.8	17769.0	15852.3	16463.3	17074.3	17490.4	17906.2	14119.0	10331.7
27661.0	60°	25025.7	22390.4	20576.5	18762.6	19521.5	20280.3	19634.3	18988.3	14313.1	9637.7
30135.4	62.5°	27628.3	25121.0	23459.2	21797.6	21883.2	21968.8	20203.8	18438.9	13495.7	8552.5
30393.2	65°	*27962.1*	*25530.9*	*23419.1*	*21307.4*	*20979.8*	*20652.1*	*18995.6*	*17339.1*	*12339.1*	*7339.1*
28607.3	67.5°	26165.6	23723.9	21523.9	19323.7	19170.1	19016.4	17440.9	15865.5	10962.7	6060.0
25797.2	70°	23696.2	21594.9	19627.5	17659.9	17591.1	17522.4	15808.7	14095.1	9460.9	4826.7
22243.1	72.5°	20669.5	19095.8	17556.5	16017.1	15967.8	15918.4	13951.8	11985.3	7832.8	3680.4
18363.4	75°	17255.6	16147.8	14950.2	13752.5	13569.8	13387.1	11351.8	9316.5	5966.4	2616.4
14371.8	77.5°	13586.0	12800.3	11889.9	10979.4	10717.9	10456.4	8556.3	6656.5	4176.0	1695.5
10403.4	80°	9991.0	9578.3	8891.0	8203.4	7878.3	7553.3	5955.0	4356.6	2690.5	1024.4
6735.1	82.5°	6563.1	6390.9	5917.7	5444.4	5081.2	4718.1	3625.2	2532.5	1557.2	582.1
3864.9	85°	3767.2	3669.5	3280.7	2891.9	2583.0	2274.2	1694.2	1114.2	700.5	286.9
1484.8	87.5°	1476.6	1468.3	1273.9	1079.4	907.1	734.8	539.9	344.9	229.4	113.9
0.0	90°	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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4180.9	0°	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9
4390.5	2.5°	4353.9	4317.0	4280.1	4244.8	4209.5	4175.3	4137.3	4106.5	4075.9	4048.1
4606.3	5°	4530.4	4453.9	4377.5	4306.1	4234.7	4167.3	4100.7	4042.7	3984.4	3935.6
4807.3	7.5°	4691.1	4578.0	4464.9	4365.3	4265.7	4173.7	4087.6	4010.2	3933.1	3868.9
4964.0	10°	4810.7	4673.3	4535.8	4418.1	4300.0	4186.6	4094.0	4012.5	3931.0	3866.8
5072.0	12.5°	4898.1	4736.1	4574.0	4440.7	4307.4	4188.2	4102.0	4035.3	3968.9	3926.2
5139.4	15°	4950.7	4764.1	4577.5	4423.2	4268.9	4136.8	4067.8	4035.9	4004.1	4009.9
5171.6	17.5°	4965.8	4749.2	4532.6	4347.0	4161.4	4006.1	3963.6	3975.3	3986.8	4056.8
5196.8	20°	4970.6	4708.1	4445.7	4215.6	3985.5	3804.7	3793.5	3848.0	3902.6	4024.0
5230.8	22.5°	4977.0	4657.8	4338.5	4061.4	3784.4	3578.5	3600.5	3681.2	3761.9	3900.5
5292.4	25°	5002.4	4608.0	4213.8	3889.3	3564.9	3353.9	3413.3	3506.3	3599.4	3724.0
5388.7	27.5°	5055.3	4574.8	4094.3	3731.9	3369.5	3177.4	3249.6	3339.5	3429.3	3531.8
5513.4	30°	5127.8	4559.3	3990.4	3600.3	3210.3	3049.1	3105.7	3176.9	3248.5	3333.5
5643.5	32.5°	5190.4	4540.0	3889.3	3486.9	3084.4	2954.4	2979.6	3021.8	3064.0	3131.9
5791.7	35°	5236.3	4503.7	3771.5	3375.4	2979.3	2871.0	2860.6	2872.1	2883.8	2935.6
5957.8	37.5°	5263.6	4441.7	3619.7	3244.2	2868.6	2773.9	2735.7	2722.9	2710.1	2747.3
6168.6	40°	5280.7	4356.1	3431.7	3087.6	2743.4	2657.6	2599.1	2570.0	2541.0	2567.8
6444.4	42.5°	5313.3	4267.9	3222.8	2914.8	2606.8	2527.7	2453.9	2415.4	2376.9	2398.7
6807.3	45°	5370.6	4185.9	3001.4	2731.3	2461.1	2380.9	2309.5	2271.9	2234.5	2252.8
7193.9	47.5°	5409.9	4118.2	2826.6	2586.1	2345.6	2242.1	2180.6	2149.2	2117.7	2135.1
7552.7	50°	5384.2	4044.4	2704.6	2489.6	2274.7	2138.6	2067.2	2039.3	2011.5	2038.5
7785.6	52.5°	5226.2	3919.8	2613.5	2426.1	2238.9	2082.5	1982.7	1955.1	1927.6	1968.2
7734.3	55°	4899.7	3713.1	2526.5	2380.1	2233.6	2088.1	1937.7	1894.1	1850.6	1908.2
7373.0	57.5°	4414.4	3421.8	2429.0	2325.5	2222.0	2093.7	1910.8	1847.3	1783.7	1845.7
6700.6	60°	3763.5	3043.5	2323.4	2242.1	2160.7	2076.0	1885.4	1803.1	1720.7	1775.1
5791.4	62.5°	3030.3	2590.7	2151.1	2097.1	2043.1	2032.7	1855.9	1752.9	1650.1	1684.6
4863.8	65°	*2388.6*	*2183.4*	*1978.2*	*1952.7*	*1927.2*	*1928.4*	*1793.7*	*1684.3*	*1574.7*	*1588.0*
3955.1	67.5°	1850.1	1791.9	1733.5	1747.8	1761.9	1758.4	1682.6	1591.5	1500.4	1496.2
3114.1	70°	1401.4	1418.1	1434.6	1500.7	1566.7	1566.7	1541.8	1477.0	1412.2	1397.7
2380.7	72.5°	1081.0	1131.2	1181.6	1275.3	1368.8	1384.6	1384.9	1340.4	1296.0	1274.8
1727.9	75°	839.4	885.0	930.5	1035.5	1140.4	1212.9	1206.8	1172.6	1138.3	1118.1
1170.9	77.5°	646.2	677.2	708.3	810.2	912.1	1031.6	1028.4	1001.0	973.5	953.0
754.4	80°	484.5	497.4	510.2	596.5	682.7	825.4	825.0	802.0	778.9	761.7
464.0	82.5°	346.2	348.5	351.0	414.6	478.1	600.0	606.8	595.5	584.3	572.1
248.0	85°	209.4	208.2	207.0	253.5	300.0	390.7	399.5	387.5	375.4	361.8
102.8	87.5°	91.8	90.6	89.5	108.5	127.5	165.2	176.5	171.7	166.9	164.3
0.0	90°	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

REPORT NUMBER: P953618
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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4180.9	0°	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9
4020.5	2.5°	3996.3	3972.1	3947.7	3923.5	3904.7	3885.7	3870.5	3855.3	3843.4	3831.5
3887.0	5°	3844.0	3801.0	3762.1	3722.9	3692.9	3662.7	3641.7	3620.7	3605.8	3590.9
3804.7	7.5°	3750.7	3696.4	3648.6	3601.0	3565.2	3529.6	3504.6	3479.5	3462.4	3445.4
3802.6	10°	3744.4	3686.0	3632.3	3578.5	3535.8	3493.0	3465.1	3436.8	3420.6	3404.4
3883.8	12.5°	3837.9	3792.4	3736.7	3681.2	3626.6	3572.1	3536.0	3499.9	3481.8	3463.8
4015.7	15°	4003.8	3992.0	3943.7	3895.4	3817.7	3740.1	3685.2	3630.3	3605.1	3580.1
4126.7	17.5°	4163.9	4201.0	4162.0	4123.2	4020.4	3917.5	3836.7	3755.8	3718.6	3681.2
4145.7	20°	4223.5	4301.3	4283.3	4265.2	4147.6	4030.1	3931.0	3832.0	3784.4	3736.5
4039.4	22.5°	4140.7	4241.9	4252.8	4263.6	4151.3	4039.0	3936.9	3834.7	3784.5	3734.1
3848.8	25°	3948.5	4048.1	4085.3	4122.4	4030.3	3938.4	3847.6	3757.1	3713.4	3670.0
3634.2	27.5°	3714.1	3794.0	3835.4	3876.9	3811.3	3745.8	3675.4	3605.0	3575.8	3546.4
3418.6	30°	3484.8	3551.2	3584.9	3618.6	3568.7	3518.7	3468.3	3417.6	3402.7	3387.6
3199.9	32.5°	3263.4	3327.1	3364.5	3402.0	3356.2	3310.1	3269.8	3229.6	3219.8	3210.0
2987.3	35°	3050.2	3113.3	3158.2	3203.1	3170.4	3137.8	3100.6	3063.5	3048.6	3033.8
2784.4	37.5°	2847.1	2910.0	2965.5	3021.0	3005.9	2990.8	2956.7	2922.3	2895.2	2868.3
2594.6	40°	2655.2	2715.9	2779.7	2843.7	2847.4	2850.9	2821.9	2792.9	2753.4	2714.2
2420.7	42.5°	2478.1	2535.7	2604.7	2673.7	2692.1	2710.6	2686.0	2661.6	2612.7	2563.8
2271.4	45°	2326.0	2380.5	2452.1	2523.7	2550.1	2576.6	2554.5	2532.5	2476.5	2420.7
2152.2	47.5°	2205.7	2258.9	2329.5	2400.1	2430.6	2461.1	2445.7	2430.3	2380.5	2330.8
2065.6	50°	2116.0	2166.2	2229.4	2292.6	2331.8	2370.9	2370.0	2369.3	2329.5	2289.7
2008.7	52.5°	2054.9	2100.9	2159.8	2218.8	2265.2	2311.6	2319.9	2328.2	2295.8	2263.4
1965.7	55°	2015.4	2065.1	2116.8	2168.3	2217.4	2266.6	2278.2	2289.7	2261.5	2233.3
1907.6	57.5°	1966.0	2024.4	2075.4	2126.6	2176.1	2225.6	2237.3	2249.0	2220.4	2191.9
1829.3	60°	1896.3	1963.4	2015.2	2067.2	2116.9	2166.7	2179.5	2192.4	2164.4	2136.7
1719.1	62.5°	1797.2	1875.5	1930.8	1986.2	2031.8	2077.3	2089.7	2102.0	2076.8	2051.6
1601.1	65°	*1684.9*	*1768.8*	*1821.7*	*1874.7*	*1914.8*	*1954.9*	*1967.6*	*1980.1*	*1955.9*	*1931.6*
1492.1	67.5°	1569.4	1646.9	1697.1	1747.1	1781.8	1816.5	1828.8	1841.0	1818.7	1796.6
1383.3	70°	1451.3	1519.3	1562.6	1606.0	1637.2	1668.5	1680.4	1692.3	1674.1	1656.0
1253.8	72.5°	1307.4	1360.8	1400.0	1439.1	1469.7	1500.4	1514.5	1528.6	1513.5	1498.5
1097.7	75°	1137.5	1177.3	1212.7	1248.2	1276.1	1304.0	1318.8	1333.5	1326.2	1318.8
932.5	77.5°	964.9	997.1	1027.6	1058.1	1087.4	1116.6	1130.4	1144.2	1134.0	1123.4
744.4	80°	771.4	798.2	823.8	849.5	871.8	893.9	912.2	930.5	926.0	921.7
559.9	82.5°	557.7	555.4	546.4	537.5	584.9	632.4	663.6	694.7	692.8	690.7
348.1	85°	336.6	324.9	300.0	275.1	319.6	364.2	402.7	441.2	438.0	434.8
161.7	87.5°	161.2	160.8	141.8	122.7	141.3	160.1	175.7	191.2	187.4	183.2
0.0	90°	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
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Peachtree City, GA 30269

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4180.9	0°	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9
3820.6	2.5°	3809.5	3795.9	3809.5	3820.6	3831.5	3843.4	3855.3	3870.5	3885.7	3904.7
3579.5	5°	3568.1	3556.9	3568.1	3579.5	3590.9	3605.8	3620.7	3641.7	3662.7	3692.9
3435.1	7.5°	3425.0	3417.3	3425.0	3435.1	3445.4	3462.4	3479.5	3504.6	3529.6	3565.2
3395.8	10°	3387.1	3383.6	3387.1	3395.8	3404.4	3420.6	3436.8	3465.1	3493.0	3535.8
3456.4	12.5°	3449.0	3447.8	3449.0	3456.4	3463.8	3481.8	3499.9	3536.0	3572.1	3626.6
3570.5	15°	3560.9	3560.1	3560.9	3570.5	3580.1	3605.1	3630.3	3685.2	3740.1	3817.7
3669.0	17.5°	3656.6	3654.7	3656.6	3669.0	3681.2	3718.6	3755.8	3836.7	3917.5	4020.4
3721.3	20°	3706.1	3701.2	3706.1	3721.3	3736.5	3784.4	3832.0	3931.0	4030.1	4147.6
3717.3	22.5°	3700.4	3693.2	3700.4	3717.3	3734.1	3784.5	3834.7	3936.9	4039.0	4151.3
3654.1	25°	3638.4	3629.1	3638.4	3654.1	3670.0	3713.4	3757.1	3847.6	3938.4	4030.3
3539.2	27.5°	3532.0	3529.6	3532.0	3539.2	3546.4	3575.8	3605.0	3675.4	3745.8	3811.3
3387.6	30°	3387.6	3390.0	3387.6	3387.6	3387.6	3402.7	3417.6	3468.3	3518.7	3568.7
3211.3	32.5°	3212.7	3215.1	3212.7	3211.3	3210.0	3219.8	3229.6	3269.8	3310.1	3356.2
3030.6	35°	3027.4	3025.8	3027.4	3030.6	3033.8	3048.6	3063.5	3100.6	3137.8	3170.4
2854.0	37.5°	2839.7	2831.7	2839.7	2854.0	2868.3	2895.2	2922.3	2956.7	2990.8	3005.9
2687.6	40°	2661.3	2645.6	2661.3	2687.6	2714.2	2753.4	2792.9	2821.9	2850.9	2847.4
2525.1	42.5°	2486.4	2461.1	2486.4	2525.1	2563.8	2612.7	2661.6	2686.0	2710.6	2692.1
2375.2	45°	2329.8	2300.6	2329.8	2375.2	2420.7	2476.5	2532.5	2554.5	2576.6	2550.1
2288.8	47.5°	2246.9	2218.8	2246.9	2288.8	2330.8	2380.5	2430.3	2445.7	2461.1	2430.6
2250.9	50°	2212.1	2185.1	2212.1	2250.9	2289.7	2329.5	2369.3	2370.0	2370.9	2331.8
2228.6	52.5°	2194.0	2169.1	2194.0	2228.6	2263.4	2295.8	2328.2	2319.9	2311.6	2265.2
2202.8	55°	2172.3	2149.8	2172.3	2202.8	2233.3	2261.5	2289.7	2278.2	2266.6	2217.4
2161.7	57.5°	2131.4	2108.1	2131.4	2161.7	2191.9	2220.4	2249.0	2237.3	2225.6	2176.1
2105.6	60°	2074.4	2050.4	2074.4	2105.6	2136.7	2164.4	2192.4	2179.5	2166.7	2116.9
2018.9	62.5°	1986.2	1957.3	1986.2	2018.9	2051.6	2076.8	2102.0	2089.7	2077.3	2031.8
1899.9	65°	*1868.3*	*1843.4*	*1868.3*	*1899.9*	*1931.6*	*1955.9*	*1980.1*	*1967.6*	*1954.9*	*1914.8*
1767.0	67.5°	1737.5	1715.1	1737.5	1767.0	1796.6	1818.7	1841.0	1828.8	1816.5	1781.8
1627.8	70°	1599.5	1573.9	1599.5	1627.8	1656.0	1674.1	1692.3	1680.4	1668.5	1637.2
1471.5	72.5°	1444.7	1419.9	1444.7	1471.5	1498.5	1513.5	1528.6	1514.5	1500.4	1469.7
1296.2	75°	1273.5	1249.8	1273.5	1296.2	1318.8	1326.2	1333.5	1318.8	1304.0	1276.1
1100.6	77.5°	1077.8	1058.9	1077.8	1100.6	1123.4	1134.0	1144.2	1130.4	1116.6	1087.4
891.1	80°	860.3	824.6	860.3	891.1	921.7	926.0	930.5	912.2	893.9	871.8
664.8	82.5°	638.9	616.1	638.9	664.8	690.7	692.8	694.7	663.6	632.4	584.9
414.6	85°	394.4	373.8	394.4	414.6	434.8	438.0	441.2	402.7	364.2	319.6
172.9	87.5°	162.4	152.4	162.4	172.9	183.2	187.4	191.2	175.7	160.1	141.3
0.0	90°	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
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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4180.9	0°	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9
3923.5	2.5°	3947.7	3972.1	3996.3	4020.5	4048.1	4075.9	4106.5	4137.3	4175.3	4209.5
3722.9	5°	3762.1	3801.0	3844.0	3887.0	3935.6	3984.4	4042.7	4100.7	4167.3	4234.7
3601.0	7.5°	3648.6	3696.4	3750.7	3804.7	3868.9	3933.1	4010.2	4087.6	4173.7	4265.7
3578.5	10°	3632.3	3686.0	3744.4	3802.6	3866.8	3931.0	4012.5	4094.0	4186.6	4300.0
3681.2	12.5°	3736.7	3792.4	3837.9	3883.8	3926.2	3968.9	4035.3	4102.0	4188.2	4307.4
3895.4	15°	3943.7	3992.0	4003.8	4015.7	4009.9	4004.1	4035.9	4067.8	4136.8	4268.9
4123.2	17.5°	4162.0	4201.0	4163.9	4126.7	4056.8	3986.8	3975.3	3963.6	4006.1	4161.4
4265.2	20°	4283.3	4301.3	4223.5	4145.7	4024.0	3902.6	3848.0	3793.5	3804.7	3985.5
4263.6	22.5°	4252.8	4241.9	4140.7	4039.4	3900.5	3761.9	3681.2	3600.5	3578.5	3784.4
4122.4	25°	4085.3	4048.1	3948.5	3848.8	3724.0	3599.4	3506.3	3413.3	3353.9	3564.9
3876.9	27.5°	3835.4	3794.0	3714.1	3634.2	3531.8	3429.3	3339.5	3249.6	3177.4	3369.5
3618.6	30°	3584.9	3551.2	3484.8	3418.6	3333.5	3248.5	3176.9	3105.7	3049.1	3210.3
3402.0	32.5°	3364.5	3327.1	3263.4	3199.9	3131.9	3064.0	3021.8	2979.6	2954.4	3084.4
3203.1	35°	3158.2	3113.3	3050.2	2987.3	2935.6	2883.8	2872.1	2860.6	2871.0	2979.3
3021.0	37.5°	2965.5	2910.0	2847.1	2784.4	2747.3	2710.1	2722.9	2735.7	2773.9	2868.6
2843.7	40°	2779.7	2715.9	2655.2	2594.6	2567.8	2541.0	2570.0	2599.1	2657.6	2743.4
2673.7	42.5°	2604.7	2535.7	2478.1	2420.7	2398.7	2376.9	2415.4	2453.9	2527.7	2606.8
2523.7	45°	2452.1	2380.5	2326.0	2271.4	2252.8	2234.5	2271.9	2309.5	2380.9	2461.1
2400.1	47.5°	2329.5	2258.9	2205.7	2152.2	2135.1	2117.7	2149.2	2180.6	2242.1	2345.6
2292.6	50°	2229.4	2166.2	2116.0	2065.6	2038.5	2011.5	2039.3	2067.2	2138.6	2274.7
2218.8	52.5°	2159.8	2100.9	2054.9	2008.7	1968.2	1927.6	1955.1	1982.7	2082.5	2238.9
2168.3	55°	2116.8	2065.1	2015.4	1965.7	1908.2	1850.6	1894.1	1937.7	2088.1	2233.6
2126.6	57.5°	2075.4	2024.4	1966.0	1907.6	1845.7	1783.7	1847.3	1910.8	2093.7	2222.0
2067.2	60°	2015.2	1963.4	1896.3	1829.3	1775.1	1720.7	1803.1	1885.4	2076.0	2160.7
1986.2	62.5°	1930.8	1875.5	1797.2	1719.1	1684.6	1650.1	1752.9	1855.9	2032.7	2043.1
1874.7	65°	*1821.7*	*1768.8*	*1684.9*	*1601.1*	*1588.0*	*1574.7*	*1684.3*	*1793.7*	*1928.4*	*1927.2*
1747.1	67.5°	1697.1	1646.9	1569.4	1492.1	1496.2	1500.4	1591.5	1682.6	1758.4	1761.9
1606.0	70°	1562.6	1519.3	1451.3	1383.3	1397.7	1412.2	1477.0	1541.8	1566.7	1566.7
1439.1	72.5°	1400.0	1360.8	1307.4	1253.8	1274.8	1296.0	1340.4	1384.9	1384.6	1368.8
1248.2	75°	1212.7	1177.3	1137.5	1097.7	1118.1	1138.3	1172.6	1206.8	1212.9	1140.4
1058.1	77.5°	1027.6	997.1	964.9	932.5	953.0	973.5	1001.0	1028.4	1031.6	912.1
849.5	80°	823.8	798.2	771.4	744.4	761.7	778.9	802.0	825.0	825.4	682.7
537.5	82.5°	546.4	555.4	557.7	559.9	572.1	584.3	595.5	606.8	600.0	478.1
275.1	85°	300.0	324.9	336.6	348.1	361.8	375.4	387.5	399.5	390.7	300.0
122.7	87.5°	141.8	160.8	161.2	161.7	164.3	166.9	171.7	176.5	165.2	127.5
0.0	90°	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
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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
4180.9	0°	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9	4180.9
4244.8	2.5°	4280.1	4317.0	4353.9	4390.5	4427.2	4461.7	4496.2
4306.1	5°	4377.5	4453.9	4530.4	4606.3	4682.3	4758.5	4834.7
4365.3	7.5°	4464.9	4578.0	4691.1	4807.3	4923.4	5049.1	5174.8
4418.1	10°	4535.8	4673.3	4810.7	4964.0	5117.6	5276.6	5435.6
4440.7	12.5°	4574.0	4736.1	4898.1	5072.0	5245.9	5420.5	5595.2
4423.2	15°	4577.5	4764.1	4950.7	5139.4	5328.1	5510.2	5692.3
4347.0	17.5°	4532.6	4749.2	4965.8	5171.6	5377.5	5562.1	5746.8
4215.6	20°	4445.7	4708.1	4970.6	5196.8	5423.0	5615.1	5807.0
4061.4	22.5°	4338.5	4657.8	4977.0	5230.8	5484.5	5680.7	5876.8
3889.3	25°	4213.8	4608.0	5002.4	5292.4	5582.4	5774.4	5966.6
3731.9	27.5°	4094.3	4574.8	5055.3	5388.7	5721.9	5905.3	6088.5
3600.3	30°	3990.4	4559.3	5127.8	5513.4	5898.9	6075.9	6253.0
3486.9	32.5°	3889.3	4540.0	5190.4	5643.5	6096.5	6271.7	6447.1
3375.4	35°	3771.5	4503.7	5236.3	5791.7	6347.1	6515.1	6682.9
3244.2	37.5°	3619.7	4441.7	5263.6	5957.8	6652.0	6866.0	7080.0
3087.6	40°	3431.7	4356.1	5280.7	6168.6	7056.3	7368.2	7680.0
2914.8	42.5°	3222.8	4267.9	5313.3	6444.4	7575.4	8025.6	8475.8
2731.3	45°	3001.4	4185.9	5370.6	6807.3	8244.0	8851.2	9458.5
2586.1	47.5°	2826.6	4118.2	5409.9	7193.9	8978.0	9832.8	10687.4
2489.6	50°	2704.6	4044.4	5384.2	7552.7	9721.1	11009.7	12298.2
2426.1	52.5°	2613.5	3919.8	5226.2	7785.6	10344.9	12246.0	14147.2
2380.1	55°	2526.5	3713.1	4899.7	7734.3	10568.7	13342.1	16115.7
2325.5	57.5°	2429.0	3421.8	4414.4	7373.0	10331.7	14119.0	17906.2
2242.1	60°	2323.4	3043.5	3763.5	6700.6	9637.7	14313.1	18988.3
2097.1	62.5°	2151.1	2590.7	3030.3	5791.4	8552.5	13495.7	18438.9
1952.7	65°	*1978.2*	*2183.4*	*2388.6*	*4863.8*	*7339.1*	*12339.1*	*17339.1*
1747.8	67.5°	1733.5	1791.9	1850.1	3955.1	6060.0	10962.7	15865.5
1500.7	70°	1434.6	1418.1	1401.4	3114.1	4826.7	9460.9	14095.1
1275.3	72.5°	1181.6	1131.2	1081.0	2380.7	3680.4	7832.8	11985.3
1035.5	75°	930.5	885.0	839.4	1727.9	2616.4	5966.4	9316.5
810.2	77.5°	708.3	677.2	646.2	1170.9	1695.5	4176.0	6656.5
596.5	80°	510.2	497.4	484.5	754.4	1024.4	2690.5	4356.6
414.6	82.5°	351.0	348.5	346.2	464.0	582.1	1557.2	2532.5
253.5	85°	207.0	208.2	209.4	248.0	286.9	700.5	1114.2
108.5	87.5°	89.5	90.6	91.8	102.8	113.9	229.4	344.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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