

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: P#

Luminaire Tested: **BRT6-A3-727-U-T3-XX-BK**

Issue Date: 1/14/2021

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-849-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/14/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: BRT6-A3-727-U-T3-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1500LM, PATH ASYMMETRICAL, BLACK FINISH
Light Source: (8) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1360.8 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

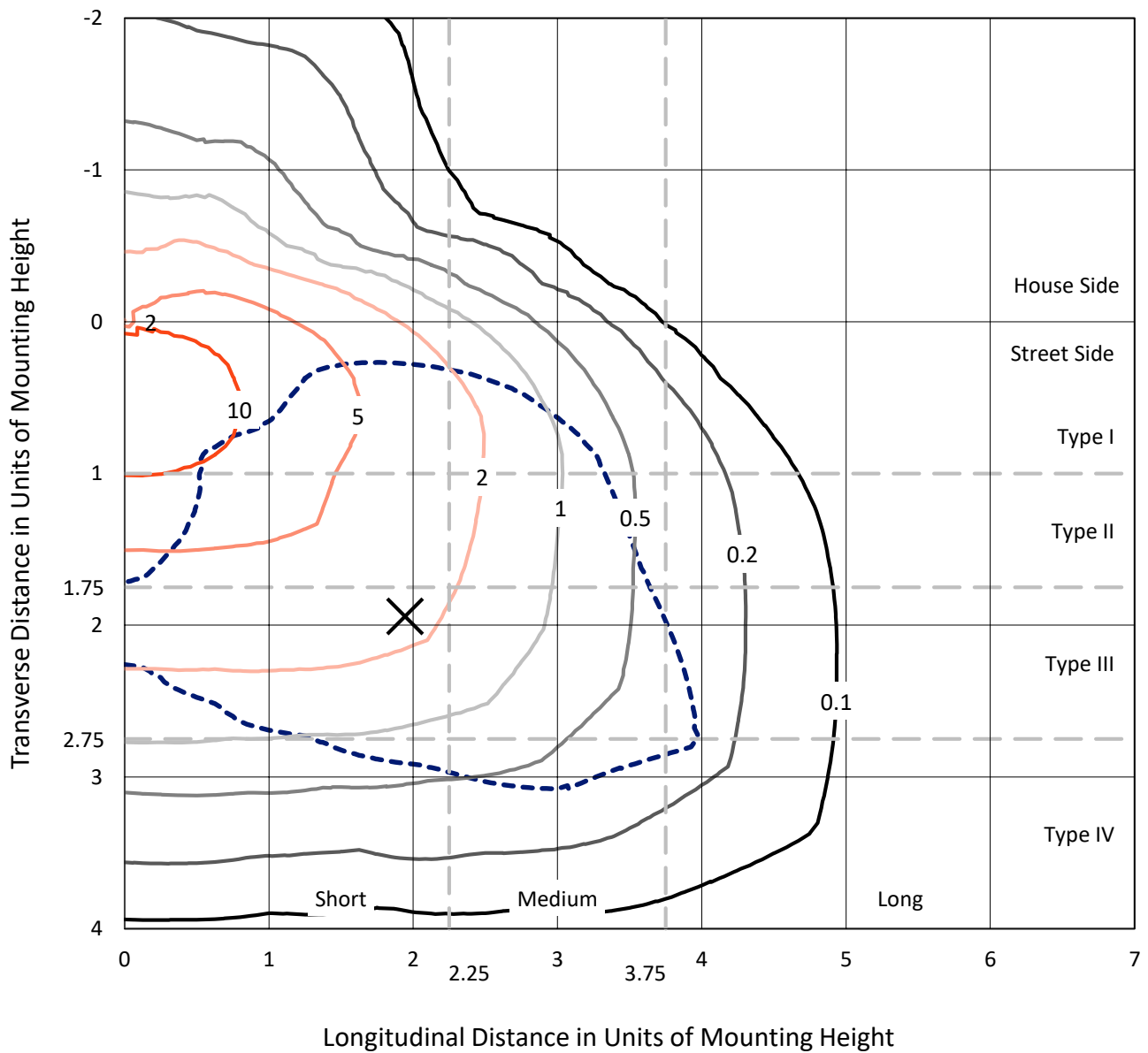
Input Watts (W): 17.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

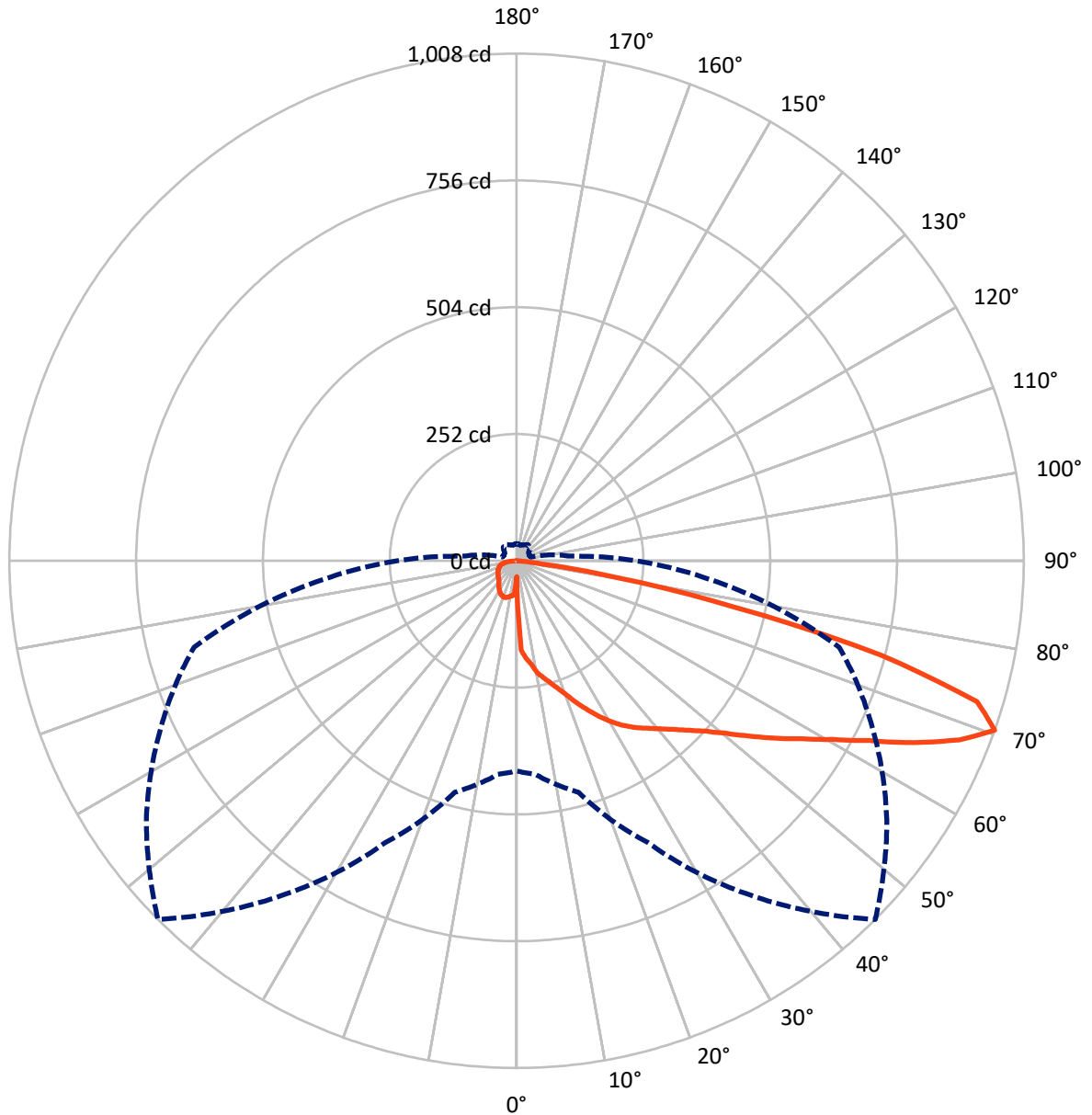
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 17.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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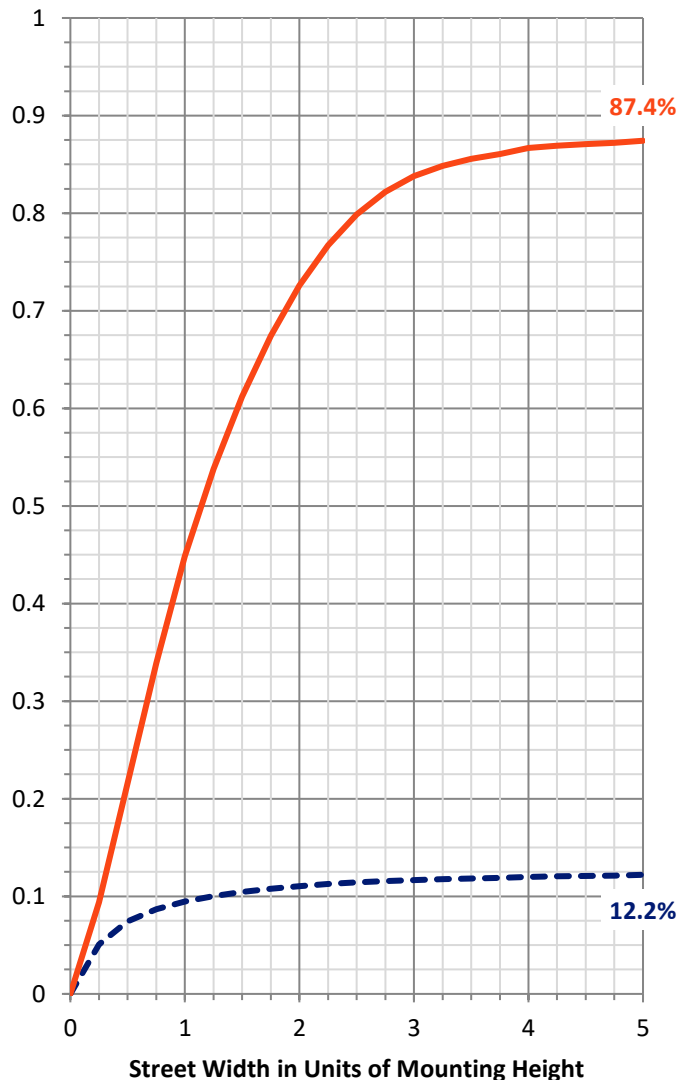
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	169.3	0.0	169.3
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	1191.5	0.0	1191.5
	% Fixture	87.6	0.0	87.6
Total	Lumens	1360.8	0.0	1360.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.9
10°-20°	45.4	3.3
20°-30°	90.0	6.6
30°-40°	143.9	10.6
40°-50°	200.3	14.7
50°-60°	268.8	19.8
60°-70°	350.6	25.8
70°-80°	226.8	16.7
80°-90°	22.6	1.7
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°	1360.8	100.0
0°-180°	1360.8	100.0

Coefficient of Utilization



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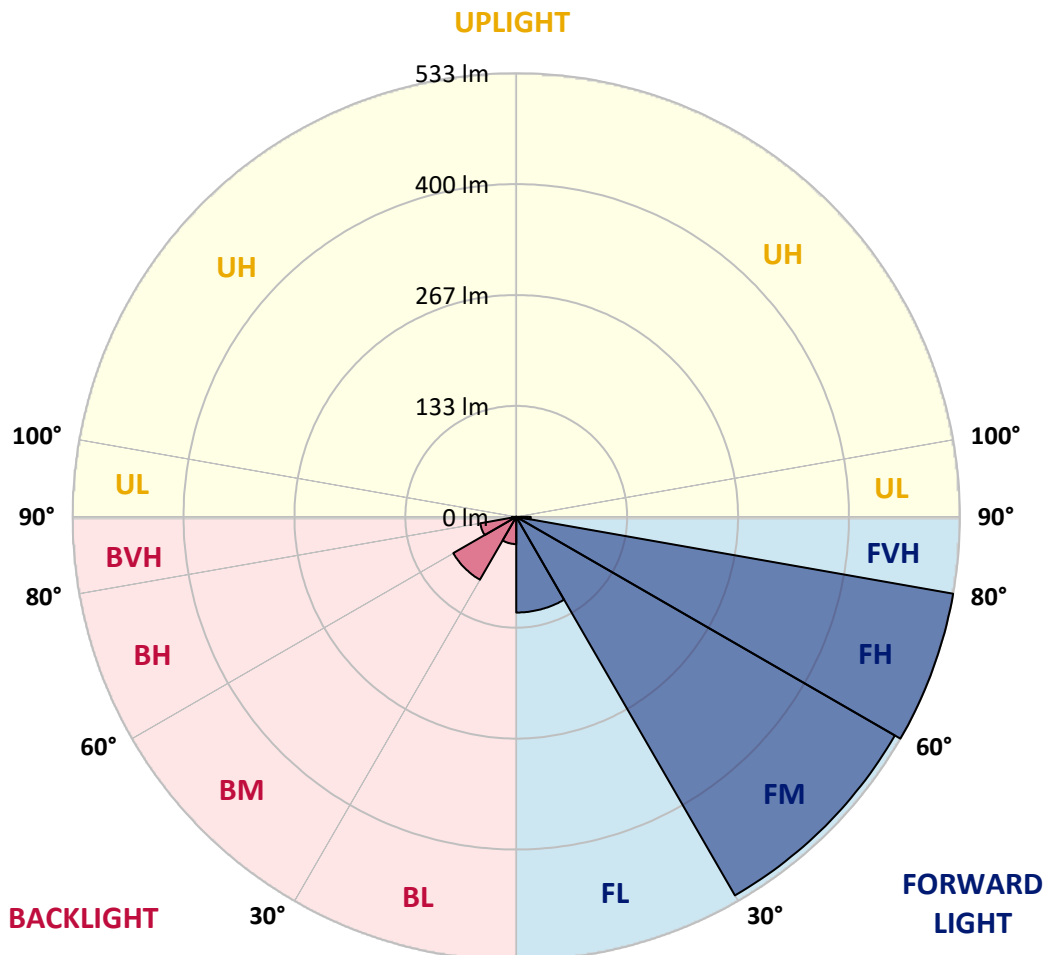
CATALOG NUMBER: BRT6-A3-727-U-T3-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.1	8.5			
FM	(30°-60°)	525.6	38.6			
FH	(60°-80°)	533.4	39.2			G0/660
FVH	(80°-90°)	17.4	1.3			G1/100
BL	(0°-30°)	32.8	2.4	B0/110		
BM	(30°-60°)	87.3	6.4	B0/220		
BH	(60°-80°)	44.0	3.2	B0/110		G0/110
BVH	(80°-90°)	5.2	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2.5°	211.8	212.6	212.6	208.0	185.9	177.5	160.0	145.5	130.3	115.1	108.2
5°	227.8	227.8	227.8	225.5	219.5	194.3	183.6	162.3	148.6	130.3	126.5
7.5°	243.1	243.8	243.1	240.8	237.0	207.3	198.1	170.7	159.3	134.9	130.3
10°	256.8	257.6	257.6	255.3	252.2	226.3	210.3	179.1	167.6	138.7	133.3
12.5°	272.0	272.8	272.0	269.7	265.2	238.5	221.0	194.3	174.5	142.5	136.4
15°	290.3	291.1	291.8	286.5	281.2	251.5	233.2	203.5	181.4	147.8	139.4
17.5°	310.9	310.9	310.9	307.8	300.2	266.7	244.6	213.4	189.7	153.9	142.5
20°	333.0	333.8	333.0	330.7	320.8	285.0	258.3	224.0	198.1	160.8	146.3
22.5°	352.8	355.1	355.9	352.0	343.7	306.3	275.1	235.5	208.0	168.4	150.9
25°	375.7	376.4	375.7	373.4	364.2	328.4	291.1	248.4	218.7	176.8	157.0
27.5°	395.5	397.0	396.2	392.4	386.3	350.5	308.6	263.6	230.1	185.9	165.4
30°	417.6	416.8	414.5	413.0	407.7	371.1	327.7	279.7	243.1	197.4	177.5
32.5°	434.3	434.3	431.3	429.8	424.4	390.1	344.4	294.9	257.6	214.1	192.8
35°	449.6	450.3	447.3	444.2	439.7	406.9	359.7	310.1	274.3	233.9	210.3
37.5°	464.1	464.8	464.1	458.7	454.1	422.1	375.7	327.7	292.6	255.3	226.3
40°	474.0	475.5	478.5	470.9	467.1	438.9	393.9	351.3	317.8	278.1	241.6
42.5°	470.9	472.4	482.3	482.3	480.8	458.0	415.3	378.7	344.4	301.7	256.0
45°	461.8	464.8	481.6	490.0	495.3	480.1	439.7	411.5	375.7	326.1	270.5
47.5°	451.1	452.6	474.7	490.7	511.3	506.0	467.9	444.2	414.5	349.8	283.5
50°	444.2	447.3	470.1	493.8	528.1	538.7	499.1	482.3	453.4	371.9	294.1
52.5°	450.3	454.9	474.7	503.7	548.6	578.4	533.4	521.2	493.8	389.4	304.0
55°	463.3	464.8	489.2	523.5	578.4	622.5	570.0	566.9	534.2	404.6	310.9
57.5°	479.3	480.8	511.3	548.6	614.2	667.5	611.1	611.9	573.8	417.6	316.2
60°	501.4	505.2	537.2	584.4	656.8	720.8	657.6	660.6	611.1	426.0	318.5
62.5°	516.6	522.7	559.3	622.5	707.9	787.1	710.2	703.3	646.2	430.5	316.2
65°	510.5	512.8	563.1	650.7	761.2	871.0	774.9	742.2	673.6	427.5	306.3
67.5°	483.9	488.4	539.5	658.4	803.1	949.4	843.5	772.7	688.8	412.2	281.2
70°	417.6	426.0	476.2	618.0	811.5	1008.1	898.4	779.5	663.7	371.9	237.0
72.5°	250.7	268.2	317.0	435.1	691.1	957.1	885.4	703.3	561.6	288.0	159.3
75°	127.3	131.1	147.1	217.2	426.7	746.8	757.4	550.2	410.7	167.6	89.9
77.5°	59.4	60.2	69.3	97.5	211.8	445.0	572.3	403.1	261.4	86.1	48.0
80°	32.8	35.1	37.3	48.0	65.5	204.2	360.4	244.6	148.6	38.1	21.3
82.5°	22.1	22.1	22.9	24.4	31.2	49.5	121.2	94.5	57.1	15.2	10.7
85°	8.4	9.1	9.9	10.7	12.2	13.0	13.7	13.0	9.1	5.3	3.8
87.5°	3.8	3.8	3.8	4.6	3.8	3.8	3.8	3.0	3.0	2.3	1.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2.5°	102.1	93.7	75.4	67.1	49.5	45.7	33.5	24.4	13.0	9.9
5°	116.6	100.6	89.2	73.9	67.1	48.0	45.0	25.9	27.4	38.9
7.5°	121.2	102.1	94.5	75.4	70.1	48.8	45.7	27.4	33.5	39.6
10°	127.3	103.6	95.2	76.2	70.9	49.5	46.5	30.5	41.9	41.9
12.5°	129.5	105.2	96.8	77.0	73.2	51.1	48.0	37.3	43.4	44.2
15°	131.8	105.9	98.3	79.2	74.7	53.3	49.5	44.2	44.2	45.0
17.5°	134.1	107.4	101.3	80.8	76.2	55.6	49.5	45.0	44.2	45.0
20°	136.4	110.5	104.4	82.3	76.2	58.7	49.5	45.0	44.2	45.0
22.5°	141.0	115.1	108.2	83.1	75.4	59.4	48.0	44.2	43.4	44.2
25°	147.1	121.9	110.5	83.8	73.9	58.7	47.2	43.4	41.9	42.7
27.5°	156.2	130.3	112.0	84.6	71.6	57.9	45.7	41.9	40.4	41.1
30°	169.2	137.9	111.3	83.1	68.6	56.4	44.2	40.4	39.6	40.4
32.5°	184.4	143.3	109.0	80.0	65.5	54.9	42.7	38.9	38.1	38.9
35°	197.4	144.8	103.6	74.7	62.5	53.3	41.1	37.3	37.3	38.1
37.5°	208.0	143.3	96.0	70.1	58.7	51.1	39.6	36.6	36.6	36.6
40°	216.4	138.7	87.6	64.8	54.9	48.8	38.9	35.8	35.8	36.6
42.5°	222.5	131.8	80.0	61.0	52.6	48.0	38.1	35.1	35.1	35.8
45°	227.1	123.4	73.2	56.4	50.3	46.5	36.6	33.5	33.5	34.3
47.5°	231.6	115.1	66.3	53.3	49.5	45.7	35.1	33.5	33.5	34.3
50°	233.9	106.7	61.0	51.1	48.0	43.4	34.3	33.5	35.1	35.1
52.5°	235.5	99.1	55.6	48.0	47.2	42.7	35.1	35.1	35.8	36.6
55°	233.9	89.2	50.3	45.0	45.0	42.7	35.8	35.8	36.6	36.6
57.5°	227.1	77.7	45.0	42.7	43.4	43.4	36.6	35.8	36.6	37.3
60°	217.9	65.5	41.1	40.4	42.7	43.4	37.3	35.8	37.3	37.3
62.5°	201.2	52.6	36.6	37.3	41.9	43.4	37.3	35.1	37.3	37.3
65°	175.3	41.9	32.8	34.3	40.4	42.7	36.6	34.3	35.8	36.6
67.5°	143.3	35.1	29.7	31.2	38.9	41.9	35.8	33.5	34.3	35.8
70°	105.9	29.7	27.4	29.0	37.3	38.9	35.1	32.0	33.5	34.3
72.5°	69.3	25.1	24.4	26.7	35.8	35.8	33.5	30.5	32.0	33.5
75°	40.4	19.8	19.8	23.6	33.5	32.8	32.0	25.9	28.2	31.2
77.5°	25.1	15.2	16.8	19.8	31.2	30.5	29.7	22.1	24.4	29.0
80°	12.2	11.4	12.2	16.8	26.7	26.7	27.4	19.0	21.3	26.7
82.5°	6.9	6.9	8.4	11.4	23.6	22.9	23.6	16.0	18.3	23.6
85°	3.8	4.6	4.6	7.6	16.0	14.5	19.8	11.4	13.7	18.3
87.5°	1.5	1.5	0.8	0.8	2.3	0.8	2.3	1.5	4.6	6.1
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

Scaled Data Report



Report Generated By E9970913

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



--- HS — SS



0°

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

Scaled Data Report





(END OF REPORT)