

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-A2-727-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-A2-727-U-T3-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1000LM, PATH ASYMMETRICAL, BLACK FINISH
Light Source: (8) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 898.6 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

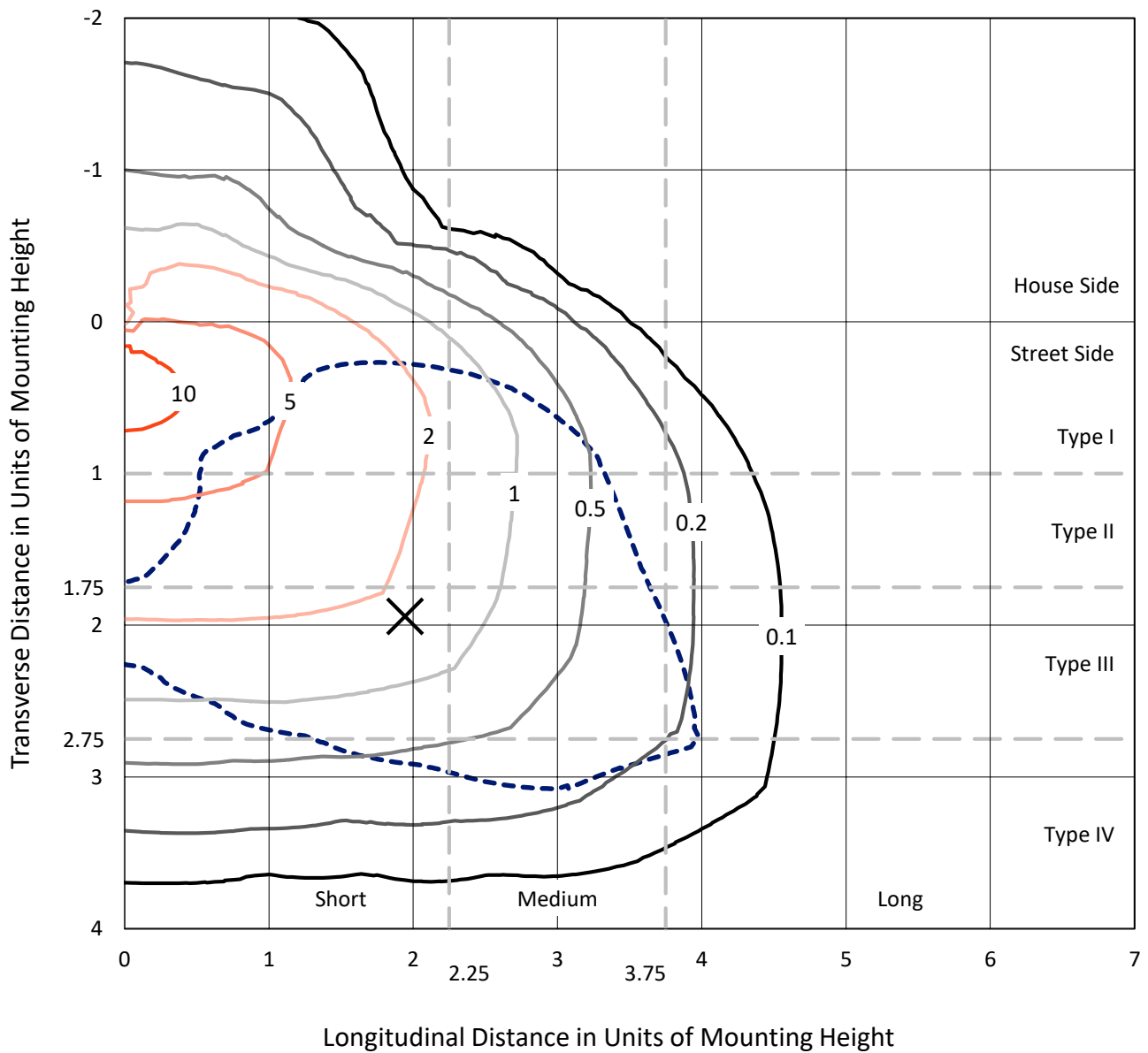
Input Watts (W): 10.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

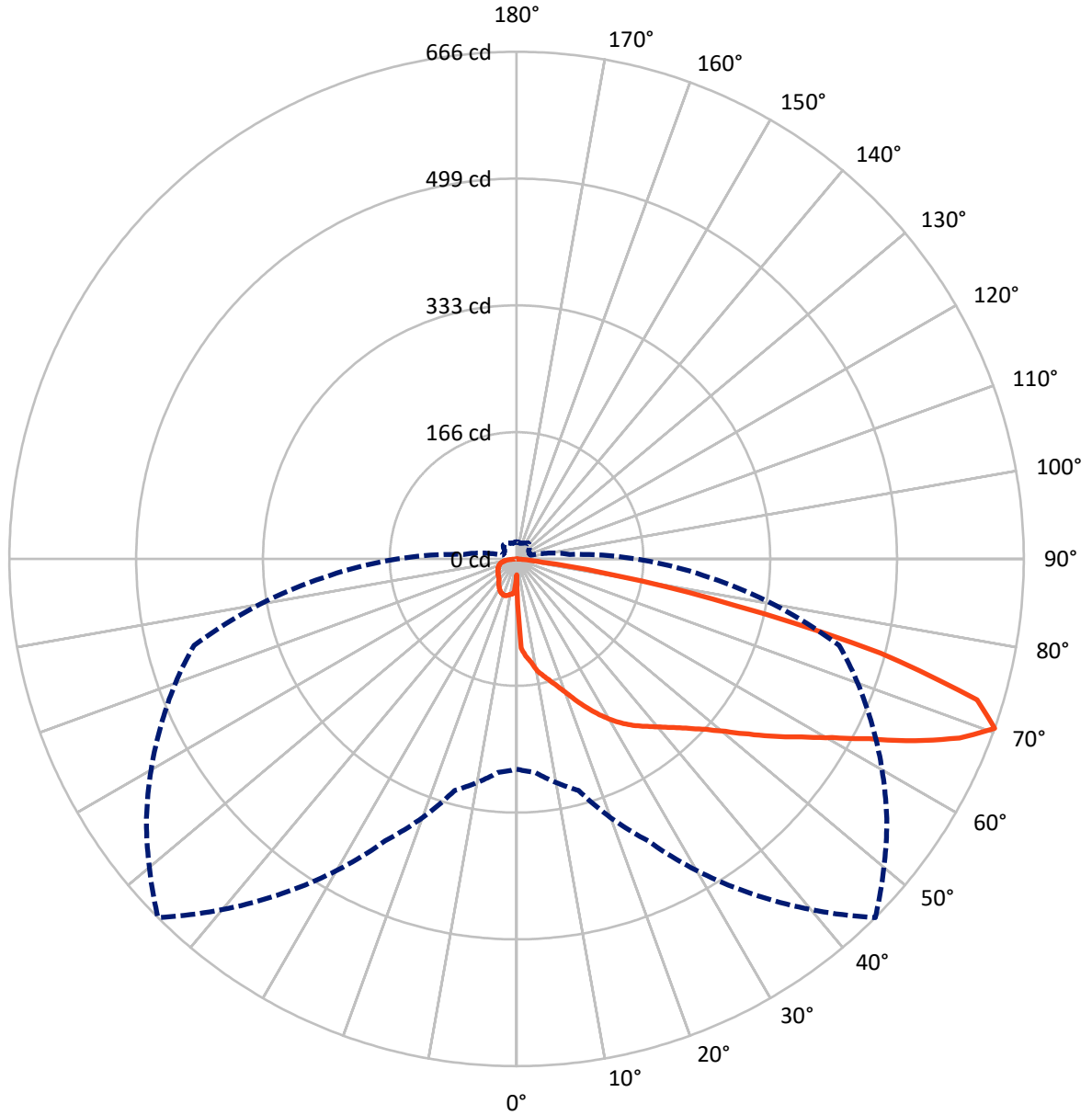
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 11.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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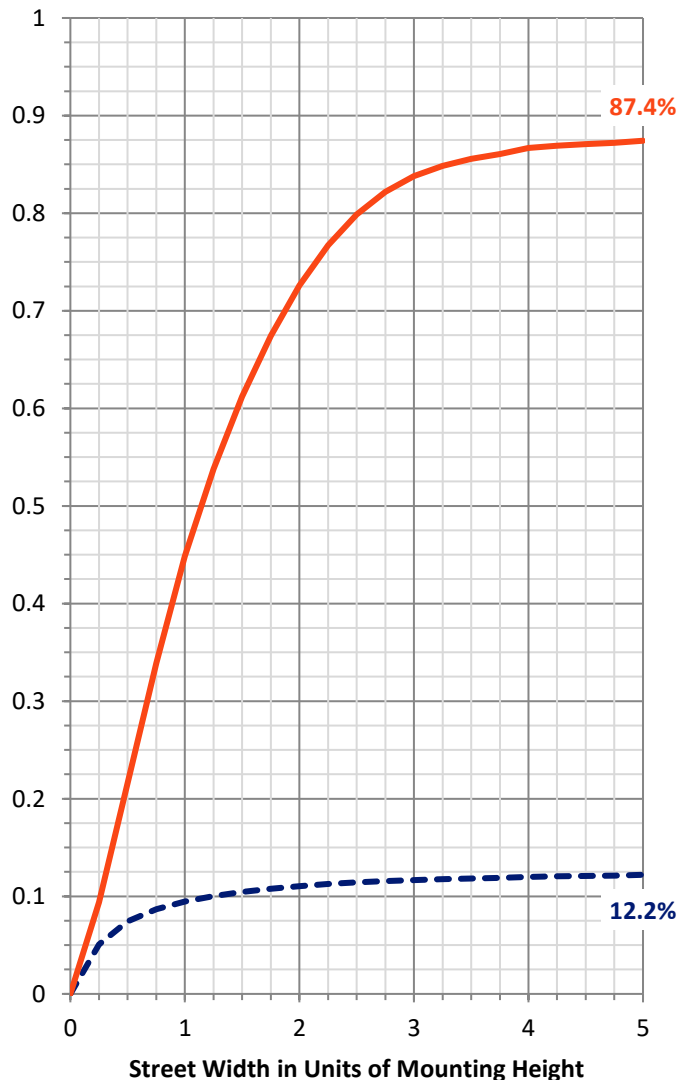
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	111.8	0.0	111.8
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	786.8	0.0	786.8
	% Fixture	87.6	0.0	87.6
Total	Lumens	898.6	0.0	898.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.9
10°-20°	30.0	3.3
20°-30°	59.5	6.6
30°-40°	95.0	10.6
40°-50°	132.2	14.7
50°-60°	177.5	19.8
60°-70°	231.5	25.8
70°-80°	149.8	16.7
80°-90°	14.9	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°	898.6	100.0
0°-180°	898.6	100.0

Coefficient of Utilization



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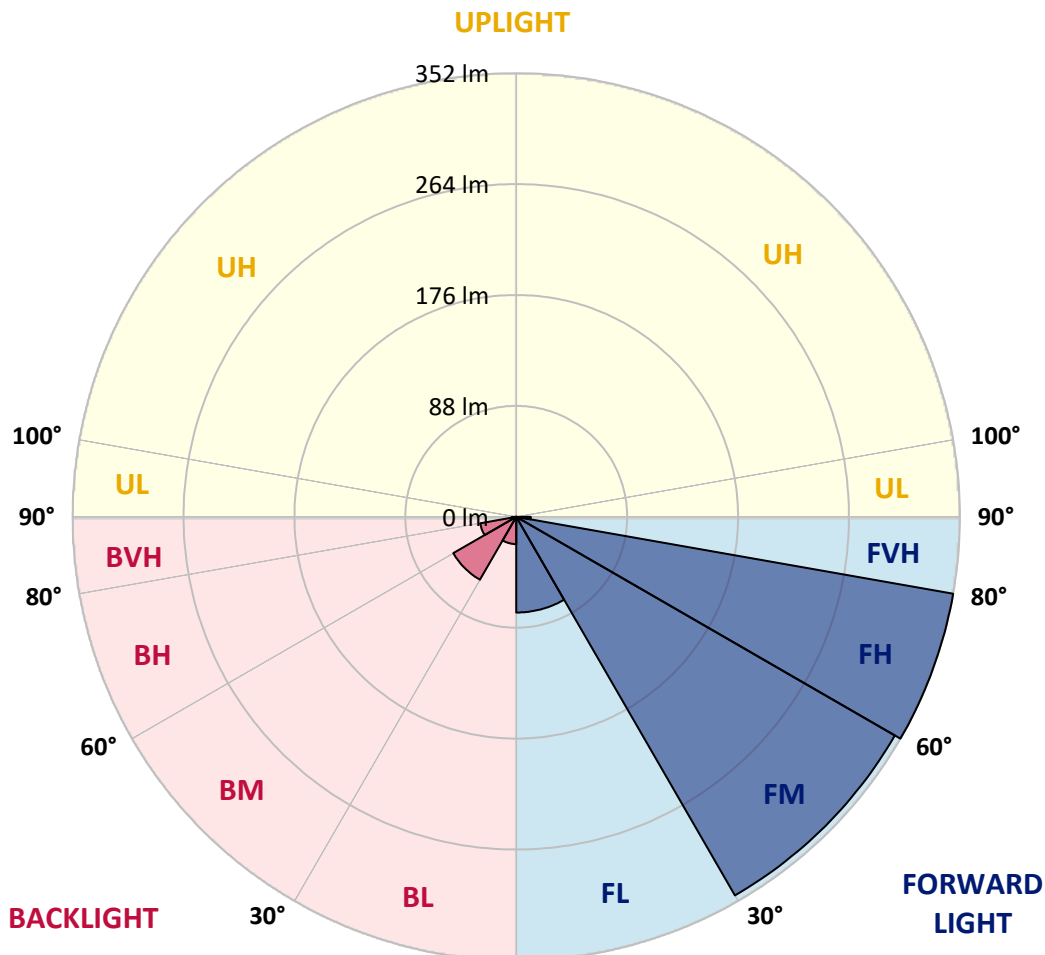
CATALOG NUMBER: BRT6-A2-727-U-T3-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.0	8.5			
FM (30°-60°)	347.1	38.6			
FH (60°-80°)	352.2	39.2			G0/660
FVH (80°-90°)	11.5	1.3			G1/100
BL (0°-30°)	21.6	2.4	B0/110		
BM (30°-60°)	57.7	6.4	B0/220		
BH (60°-80°)	29.1	3.2	B0/110		G0/110
BVH (80°-90°)	3.4	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°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	139.9	140.4	140.4	137.4	122.8	117.2	105.7	96.1	86.0	76.0	71.5
5°	150.5	150.5	150.5	149.0	144.9	128.3	121.3	107.2	98.1	86.0	83.5
7.5°	160.5	161.0	160.5	159.0	156.5	136.9	130.8	112.7	105.2	89.1	86.0
10°	169.6	170.1	170.1	168.6	166.6	149.5	138.9	118.3	110.7	91.6	88.1
12.5°	179.6	180.2	179.6	178.1	175.1	157.5	145.9	128.3	115.2	94.1	90.1
15°	191.7	192.2	192.7	189.2	185.7	166.1	154.0	134.4	119.8	97.6	92.1
17.5°	205.3	205.3	205.3	203.3	198.3	176.1	161.5	140.9	125.3	101.6	94.1
20°	219.9	220.4	219.9	218.4	211.9	188.2	170.6	147.9	130.8	106.2	96.6
22.5°	233.0	234.5	235.0	232.5	226.9	202.3	181.7	155.5	137.4	111.2	99.6
25°	248.1	248.6	248.1	246.6	240.5	216.9	192.2	164.0	144.4	116.7	103.7
27.5°	261.2	262.2	261.7	259.2	255.1	231.5	203.8	174.1	152.0	122.8	109.2
30°	275.8	275.3	273.7	272.7	269.2	245.1	216.4	184.7	160.5	130.3	117.2
32.5°	286.8	286.8	284.8	283.8	280.3	257.6	227.5	194.7	170.1	141.4	127.3
35°	296.9	297.4	295.4	293.4	290.4	268.7	237.5	204.8	181.2	154.5	138.9
37.5°	306.5	307.0	306.5	302.9	299.9	278.8	248.1	216.4	193.2	168.6	149.5
40°	313.0	314.0	316.0	311.0	308.5	289.9	260.2	232.0	209.8	183.7	159.5
42.5°	311.0	312.0	318.5	318.5	317.5	302.4	274.3	250.1	227.5	199.3	169.1
45°	304.9	307.0	318.0	323.6	327.1	317.0	290.4	271.7	248.1	215.4	178.6
47.5°	297.9	298.9	313.5	324.1	337.7	334.1	309.0	293.4	273.7	231.0	187.2
50°	293.4	295.4	310.5	326.1	348.7	355.8	329.6	318.5	299.4	245.6	194.2
52.5°	297.4	300.4	313.5	332.6	362.3	381.9	352.2	344.2	326.1	257.1	200.8
55°	306.0	307.0	323.1	345.7	381.9	411.1	376.4	374.4	352.8	267.2	205.3
57.5°	316.5	317.5	337.7	362.3	405.6	440.8	403.6	404.1	378.9	275.8	208.8
60°	331.1	333.6	354.8	386.0	433.8	476.0	434.3	436.3	403.6	281.3	210.3
62.5°	341.2	345.2	369.4	411.1	467.5	519.8	469.0	464.5	426.7	284.3	208.8
65°	337.2	338.7	371.9	429.7	502.7	575.2	511.8	490.1	444.8	282.3	202.3
67.5°	319.5	322.6	356.3	434.8	530.4	627.0	557.1	510.3	454.9	272.2	185.7
70°	275.8	281.3	314.5	408.1	535.9	665.8	593.3	514.8	438.3	245.6	156.5
72.5°	165.6	177.1	209.3	287.3	456.4	632.0	584.7	464.5	370.9	190.2	105.2
75°	84.0	86.6	97.1	143.4	281.8	493.1	500.2	363.3	271.2	110.7	59.4
77.5°	39.3	39.8	45.8	64.4	139.9	293.9	377.9	266.2	172.6	56.9	31.7
80°	21.6	23.1	24.7	31.7	43.3	134.9	238.0	161.5	98.1	25.2	14.1
82.5°	14.6	14.6	15.1	16.1	20.6	32.7	80.0	62.4	37.7	10.1	7.0
85°	5.5	6.0	6.5	7.0	8.1	8.6	9.1	8.6	6.0	3.5	2.5
87.5°	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.0	2.0	1.5	1.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	67.4	61.9	49.8	44.3	32.7	30.2	22.1	16.1	8.6	6.5
5°	77.0	66.4	58.9	48.8	44.3	31.7	29.7	17.1	18.1	25.7
7.5°	80.0	67.4	62.4	49.8	46.3	32.2	30.2	18.1	22.1	26.2
10°	84.0	68.4	62.9	50.3	46.8	32.7	30.7	20.1	27.7	27.7
12.5°	85.5	69.4	63.9	50.8	48.3	33.7	31.7	24.7	28.7	29.2
15°	87.1	69.9	64.9	52.3	49.3	35.2	32.7	29.2	29.2	29.7
17.5°	88.6	71.0	66.9	53.3	50.3	36.7	32.7	29.7	29.2	29.7
20°	90.1	73.0	68.9	54.3	50.3	38.7	32.7	29.7	29.2	29.7
22.5°	93.1	76.0	71.5	54.9	49.8	39.3	31.7	29.2	28.7	29.2
25°	97.1	80.5	73.0	55.4	48.8	38.7	31.2	28.7	27.7	28.2
27.5°	103.2	86.0	74.0	55.9	47.3	38.2	30.2	27.7	26.7	27.2
30°	111.7	91.1	73.5	54.9	45.3	37.2	29.2	26.7	26.2	26.7
32.5°	121.8	94.6	72.0	52.8	43.3	36.2	28.2	25.7	25.2	25.7
35°	130.3	95.6	68.4	49.3	41.3	35.2	27.2	24.7	24.7	25.2
37.5°	137.4	94.6	63.4	46.3	38.7	33.7	26.2	24.2	24.2	24.2
40°	142.9	91.6	57.9	42.8	36.2	32.2	25.7	23.7	23.7	24.2
42.5°	146.9	87.1	52.8	40.3	34.7	31.7	25.2	23.1	23.1	23.7
45°	150.0	81.5	48.3	37.2	33.2	30.7	24.2	22.1	22.1	22.6
47.5°	153.0	76.0	43.8	35.2	32.7	30.2	23.1	22.1	22.1	22.6
50°	154.5	70.4	40.3	33.7	31.7	28.7	22.6	22.1	23.1	23.1
52.5°	155.5	65.4	36.7	31.7	31.2	28.2	23.1	23.1	23.7	24.2
55°	154.5	58.9	33.2	29.7	29.7	28.2	23.7	23.7	24.2	24.2
57.5°	150.0	51.3	29.7	28.2	28.7	28.7	24.2	23.7	24.2	24.7
60°	143.9	43.3	27.2	26.7	28.2	28.7	24.7	23.7	24.7	24.7
62.5°	132.8	34.7	24.2	24.7	27.7	28.7	24.7	23.1	24.7	24.7
65°	115.7	27.7	21.6	22.6	26.7	28.2	24.2	22.6	23.7	24.2
67.5°	94.6	23.1	19.6	20.6	25.7	27.7	23.7	22.1	22.6	23.7
70°	69.9	19.6	18.1	19.1	24.7	25.7	23.1	21.1	22.1	22.6
72.5°	45.8	16.6	16.1	17.6	23.7	23.7	22.1	20.1	21.1	22.1
75°	26.7	13.1	13.1	15.6	22.1	21.6	21.1	17.1	18.6	20.6
77.5°	16.6	10.1	11.1	13.1	20.6	20.1	19.6	14.6	16.1	19.1
80°	8.1	7.5	8.1	11.1	17.6	17.6	18.1	12.6	14.1	17.6
82.5°	4.5	4.5	5.5	7.5	15.6	15.1	15.6	10.6	12.1	15.6
85°	2.5	3.0	3.0	5.0	10.6	9.6	13.1	7.5	9.1	12.1
87.5°	1.0	1.0	0.5	0.5	1.5	0.5	1.5	1.0	3.0	4.0
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

Scaled Data Report



Report Generated By E9970913

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
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Scaled Data Report





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



--- HS — SS



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

Scaled Data Report





(END OF REPORT)