

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-A2-830-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-A2-830-U-T3-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1000LM, PATH ASYMMETRICAL, BLACK FINISH
Light Source: (8) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 854 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

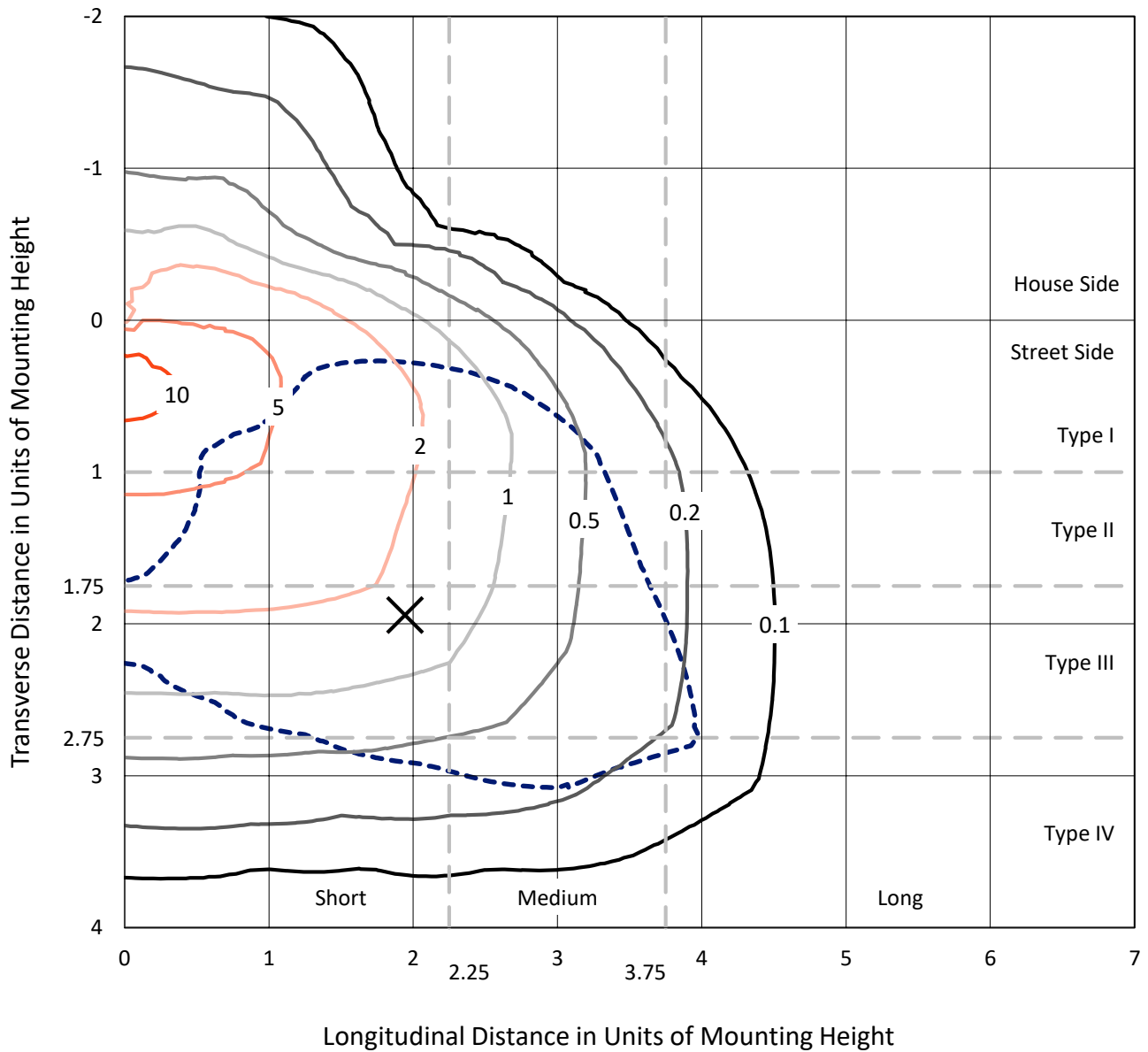
Input Watts (W): 10.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

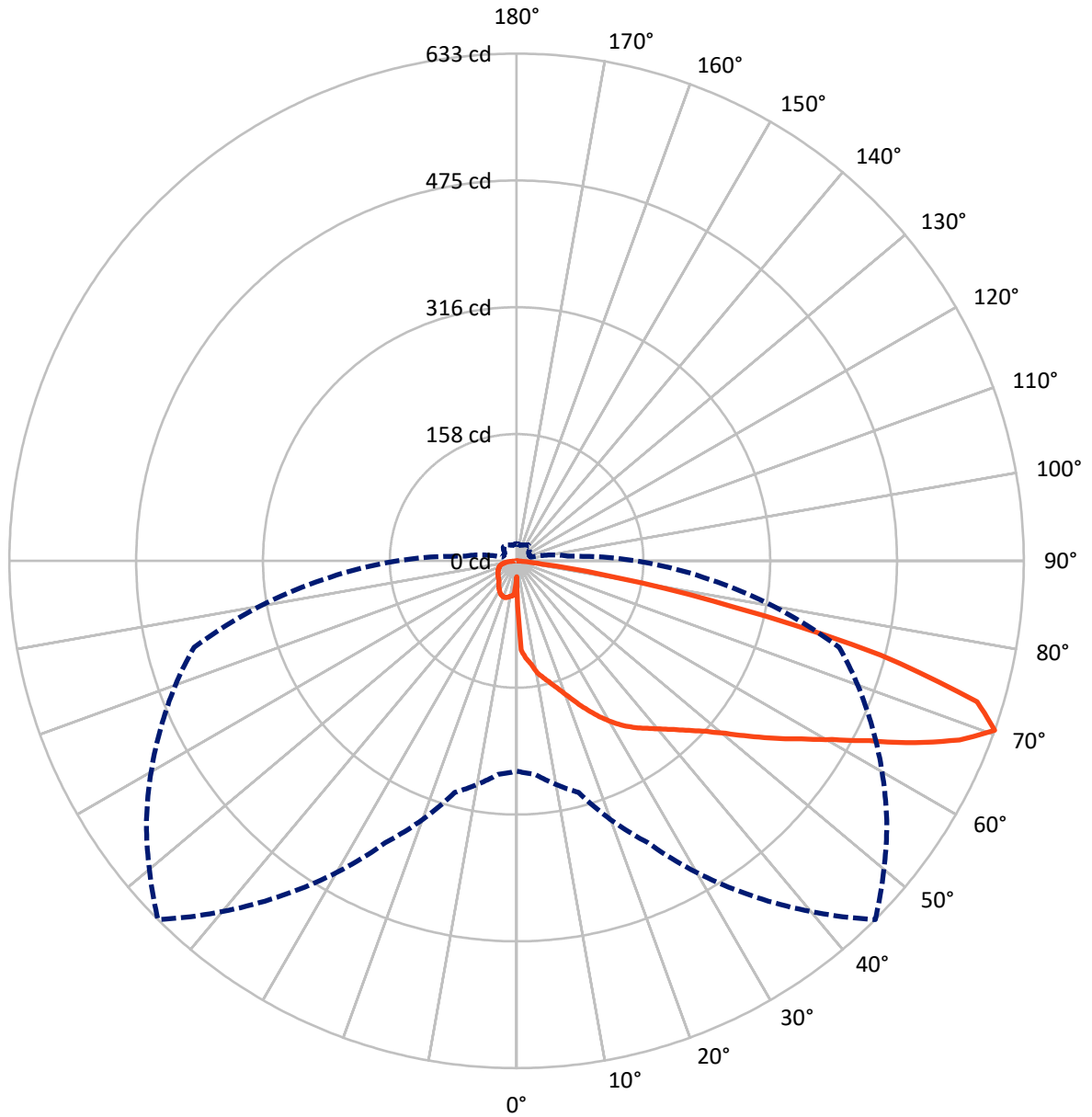
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 10.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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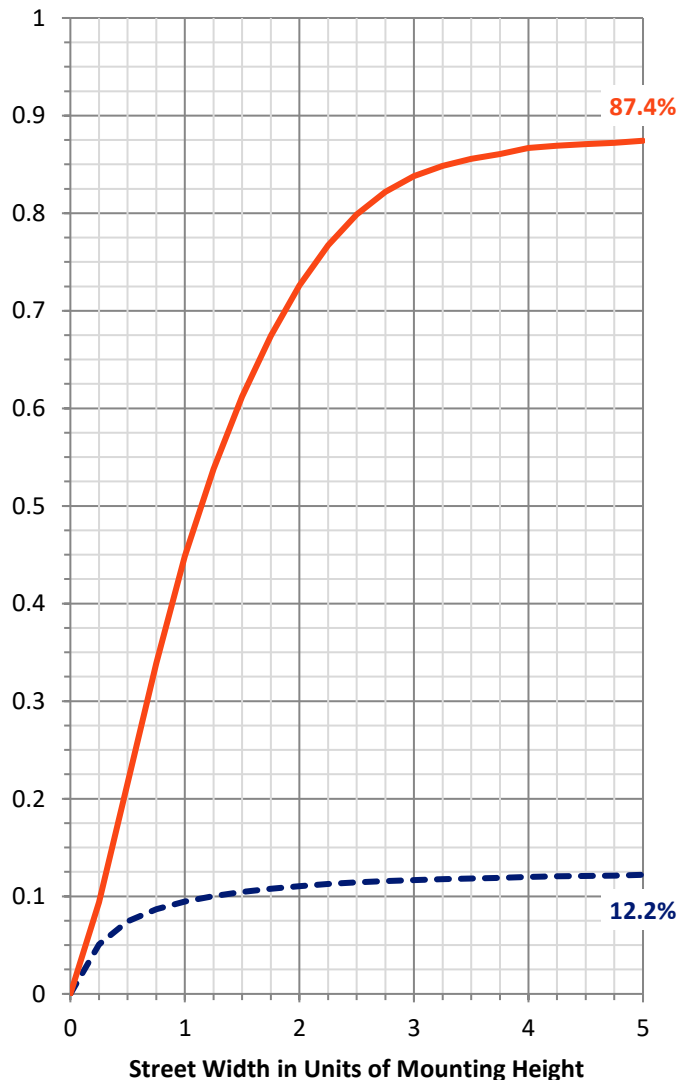
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	106.2	0.0	106.2
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	747.8	0.0	747.8
	% Fixture	87.6	0.0	87.6
Total	Lumens	854.0	0.0	854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.9
10°-20°	28.5	3.3
20°-30°	56.5	6.6
30°-40°	90.3	10.6
40°-50°	125.7	14.7
50°-60°	168.7	19.8
60°-70°	220.0	25.8
70°-80°	142.3	16.7
80°-90°	14.2	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°	854.0	100.0
0°-180°	854.0	100.0

Coefficient of Utilization



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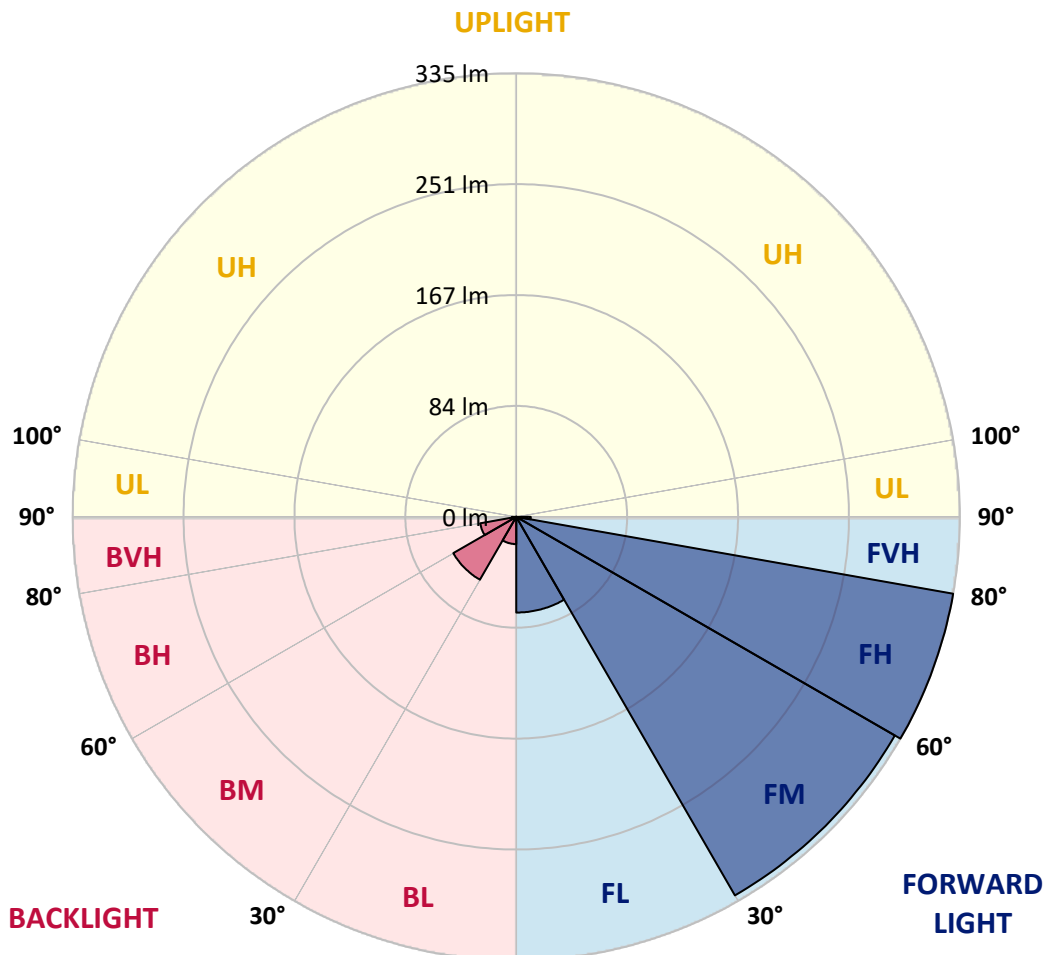
CATALOG NUMBER: BRT6-A2-830-U-T3-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.2	8.5			
FM	(30°-60°)	329.9	38.6			
FH	(60°-80°)	334.7	39.2			G0/660
FVH	(80°-90°)	10.9	1.3			G1/100
BL	(0°-30°)	20.6	2.4	B0/110		
BM	(30°-60°)	54.8	6.4	B0/220		
BH	(60°-80°)	27.6	3.2	B0/110		G0/110
BVH	(80°-90°)	3.2	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°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
2.5°	132.9	133.4	133.4	130.6	116.7	111.4	100.4	91.3	81.8	72.2	67.9
5°	143.0	143.0	143.0	141.6	137.7	121.9	115.3	101.9	93.3	81.8	79.4
7.5°	152.6	153.0	152.6	151.1	148.7	130.1	124.3	107.1	99.9	84.6	81.8
10°	161.2	161.6	161.6	160.2	158.3	142.0	132.0	112.4	105.2	87.0	83.7
12.5°	170.7	171.2	170.7	169.3	166.4	149.7	138.7	121.9	109.5	89.4	85.6
15°	182.2	182.7	183.2	179.8	176.5	157.8	146.3	127.7	113.8	92.8	87.5
17.5°	195.1	195.1	195.1	193.2	188.4	167.4	153.5	133.9	119.1	96.6	89.4
20°	209.0	209.5	209.0	207.5	201.3	178.9	162.1	140.6	124.3	100.9	91.8
22.5°	221.4	222.9	223.3	220.9	215.7	192.2	172.6	147.8	130.6	105.7	94.7
25°	235.8	236.2	235.8	234.3	228.6	206.1	182.7	155.9	137.3	110.9	98.5
27.5°	248.2	249.2	248.7	246.3	242.5	220.0	193.7	165.5	144.4	116.7	103.8
30°	262.1	261.6	260.2	259.2	255.9	232.9	205.6	175.5	152.6	123.9	111.4
32.5°	272.6	272.6	270.7	269.7	266.4	244.9	216.2	185.1	161.6	134.4	121.0
35°	282.2	282.6	280.7	278.8	275.9	255.4	225.7	194.6	172.2	146.8	132.0
37.5°	291.2	291.7	291.2	287.9	285.0	264.9	235.8	205.6	183.6	160.2	142.0
40°	297.5	298.4	300.3	295.5	293.2	275.5	247.2	220.5	199.4	174.6	151.6
42.5°	295.5	296.5	302.7	302.7	301.8	287.4	260.6	237.7	216.2	189.4	160.7
45°	289.8	291.7	302.2	307.5	310.8	301.3	275.9	258.2	235.8	204.7	169.8
47.5°	283.1	284.1	297.9	308.0	320.9	317.5	293.6	278.8	260.2	219.5	177.9
50°	278.8	280.7	295.1	309.9	331.4	338.1	313.2	302.7	284.5	233.4	184.6
52.5°	282.6	285.5	297.9	316.1	344.3	363.0	334.8	327.1	309.9	244.4	190.8
55°	290.8	291.7	307.0	328.5	363.0	390.7	357.7	355.8	335.2	253.9	195.1
57.5°	300.8	301.8	320.9	344.3	385.4	418.9	383.5	384.0	360.1	262.1	198.5
60°	314.7	317.1	337.1	366.8	412.2	452.4	412.7	414.6	383.5	267.3	199.9
62.5°	324.2	328.1	351.0	390.7	444.3	494.0	445.7	441.4	405.5	270.2	198.5
65°	320.4	321.8	353.4	408.4	477.7	546.6	486.4	465.8	422.8	268.3	192.2
67.5°	303.7	306.5	338.6	413.2	504.0	595.9	529.4	484.9	432.3	258.7	176.5
70°	262.1	267.3	298.9	387.8	509.3	632.7	563.8	489.2	416.5	233.4	148.7
72.5°	157.3	168.3	198.9	273.1	433.8	600.7	555.7	441.4	352.5	180.8	99.9
75°	79.9	82.3	92.3	136.3	267.8	468.7	475.4	345.3	257.8	105.2	56.4
77.5°	37.3	37.8	43.5	61.2	132.9	279.3	359.1	253.0	164.0	54.0	30.1
80°	20.6	22.0	23.4	30.1	41.1	128.2	226.2	153.5	93.3	23.9	13.4
82.5°	13.9	13.9	14.3	15.3	19.6	31.1	76.0	59.3	35.9	9.6	6.7
85°	5.3	5.7	6.2	6.7	7.7	8.1	8.6	8.1	5.7	3.3	2.4
87.5°	2.4	2.4	2.4	2.9	2.4	2.4	2.4	1.9	1.9	1.4	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°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
2.5°	64.1	58.8	47.3	42.1	31.1	28.7	21.0	15.3	8.1	6.2
5°	73.2	63.1	56.0	46.4	42.1	30.1	28.2	16.3	17.2	24.4
7.5°	76.0	64.1	59.3	47.3	44.0	30.6	28.7	17.2	21.0	24.9
10°	79.9	65.0	59.8	47.8	44.5	31.1	29.2	19.1	26.3	26.3
12.5°	81.3	66.0	60.7	48.3	45.9	32.0	30.1	23.4	27.3	27.7
15°	82.7	66.5	61.7	49.7	46.9	33.5	31.1	27.7	27.7	28.2
17.5°	84.2	67.4	63.6	50.7	47.8	34.9	31.1	28.2	27.7	28.2
20°	85.6	69.3	65.5	51.6	47.8	36.8	31.1	28.2	27.7	28.2
22.5°	88.5	72.2	67.9	52.1	47.3	37.3	30.1	27.7	27.3	27.7
25°	92.3	76.5	69.3	52.6	46.4	36.8	29.6	27.3	26.3	26.8
27.5°	98.0	81.8	70.3	53.1	45.0	36.3	28.7	26.3	25.3	25.8
30°	106.2	86.6	69.8	52.1	43.0	35.4	27.7	25.3	24.9	25.3
32.5°	115.7	89.9	68.4	50.2	41.1	34.4	26.8	24.4	23.9	24.4
35°	123.9	90.9	65.0	46.9	39.2	33.5	25.8	23.4	23.4	23.9
37.5°	130.6	89.9	60.3	44.0	36.8	32.0	24.9	23.0	23.0	23.0
40°	135.8	87.0	55.0	40.6	34.4	30.6	24.4	22.5	22.5	23.0
42.5°	139.6	82.7	50.2	38.3	33.0	30.1	23.9	22.0	22.0	22.5
45°	142.5	77.5	45.9	35.4	31.6	29.2	23.0	21.0	21.0	21.5
47.5°	145.4	72.2	41.6	33.5	31.1	28.7	22.0	21.0	21.0	21.5
50°	146.8	67.0	38.3	32.0	30.1	27.3	21.5	21.0	22.0	22.0
52.5°	147.8	62.2	34.9	30.1	29.6	26.8	22.0	22.0	22.5	23.0
55°	146.8	56.0	31.6	28.2	28.2	26.8	22.5	22.5	23.0	23.0
57.5°	142.5	48.8	28.2	26.8	27.3	27.3	23.0	22.5	23.0	23.4
60°	136.8	41.1	25.8	25.3	26.8	27.3	23.4	22.5	23.4	23.4
62.5°	126.3	33.0	23.0	23.4	26.3	27.3	23.4	22.0	23.4	23.4
65°	110.0	26.3	20.6	21.5	25.3	26.8	23.0	21.5	22.5	23.0
67.5°	89.9	22.0	18.7	19.6	24.4	26.3	22.5	21.0	21.5	22.5
70°	66.5	18.7	17.2	18.2	23.4	24.4	22.0	20.1	21.0	21.5
72.5°	43.5	15.8	15.3	16.7	22.5	22.5	21.0	19.1	20.1	21.0
75°	25.3	12.4	12.4	14.8	21.0	20.6	20.1	16.3	17.7	19.6
77.5°	15.8	9.6	10.5	12.4	19.6	19.1	18.7	13.9	15.3	18.2
80°	7.7	7.2	7.7	10.5	16.7	16.7	17.2	12.0	13.4	16.7
82.5°	4.3	4.3	5.3	7.2	14.8	14.3	14.8	10.0	11.5	14.8
85°	2.4	2.9	2.9	4.8	10.0	9.1	12.4	7.2	8.6	11.5
87.5°	1.0	1.0	0.5	0.5	1.4	0.5	1.4	1.0	2.9	3.8
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)