

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-A3-830-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-A3-830-U-T3-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1500LM, PATH ASYMMETRICAL, BLACK FINISH
Light Source: (8) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1293.2 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

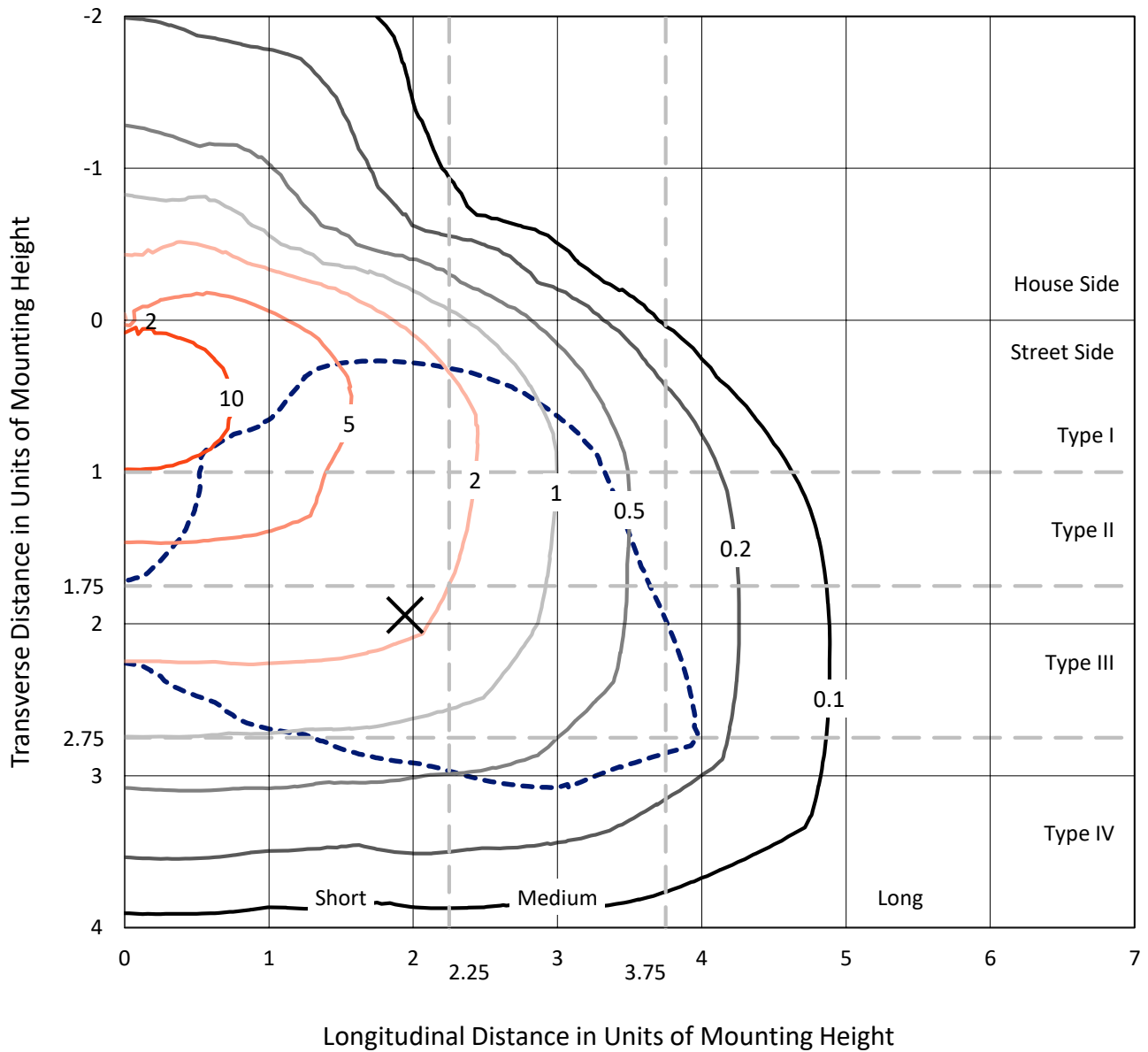
Input Watts (W): 17.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

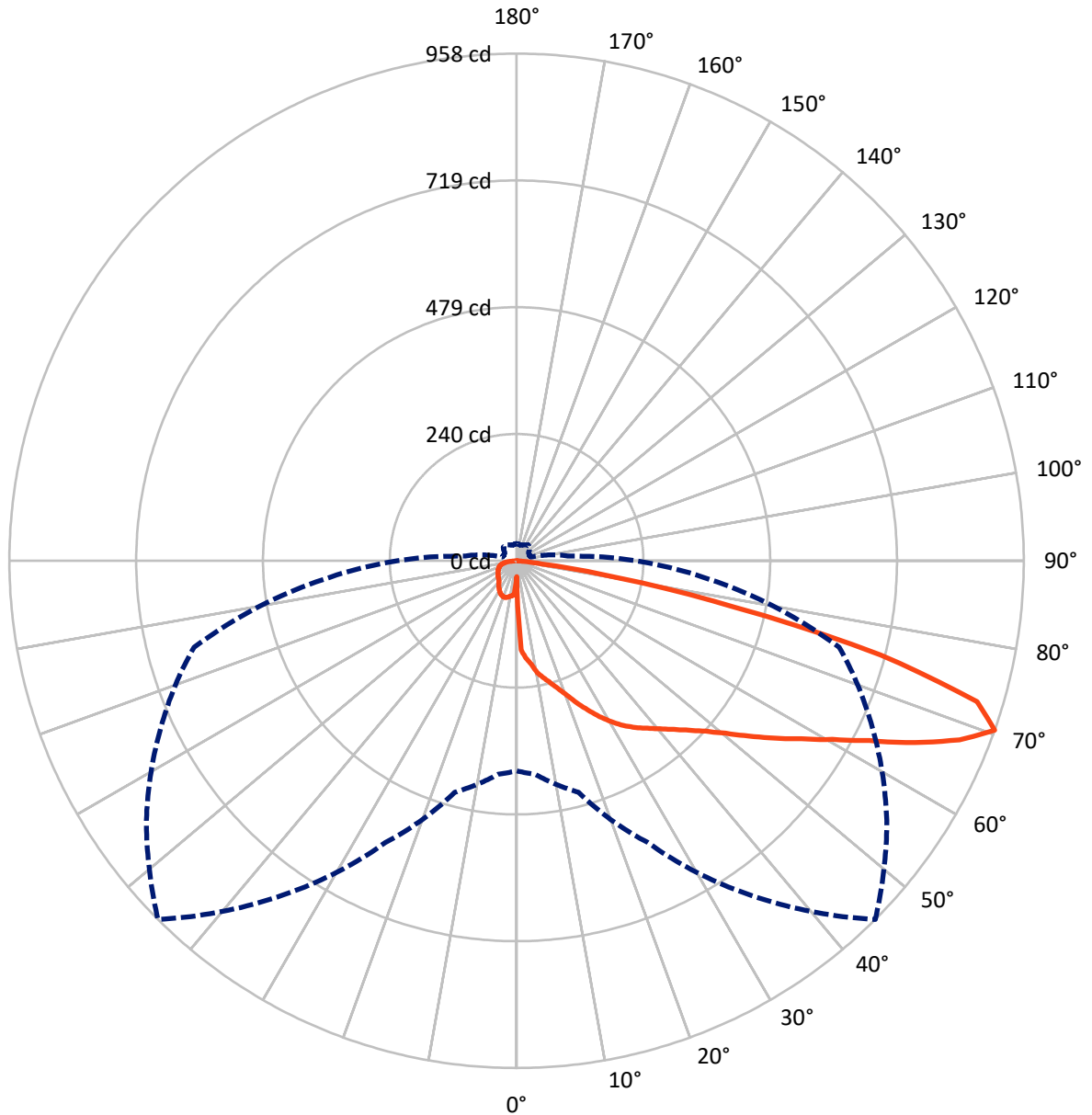
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 16.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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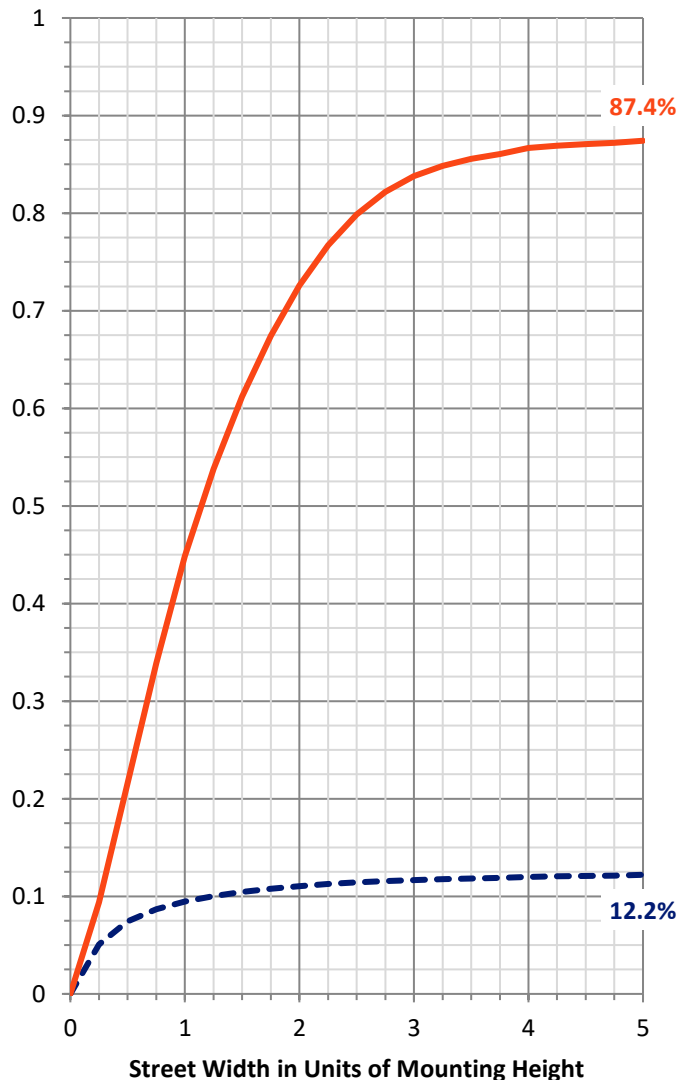
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	160.9	0.0	160.9
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	1132.3	0.0	1132.3
	% Fixture	87.6	0.0	87.6
Total	Lumens	1293.2	0.0	1293.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.9
10°-20°	43.2	3.3
20°-30°	85.6	6.6
30°-40°	136.7	10.6
40°-50°	190.3	14.7
50°-60°	255.5	19.8
60°-70°	333.2	25.8
70°-80°	215.5	16.7
80°-90°	21.4	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°	1293.2	100.0
0°-180°	1293.2	100.0

Coefficient of Utilization



REPORT NUMBER: P#

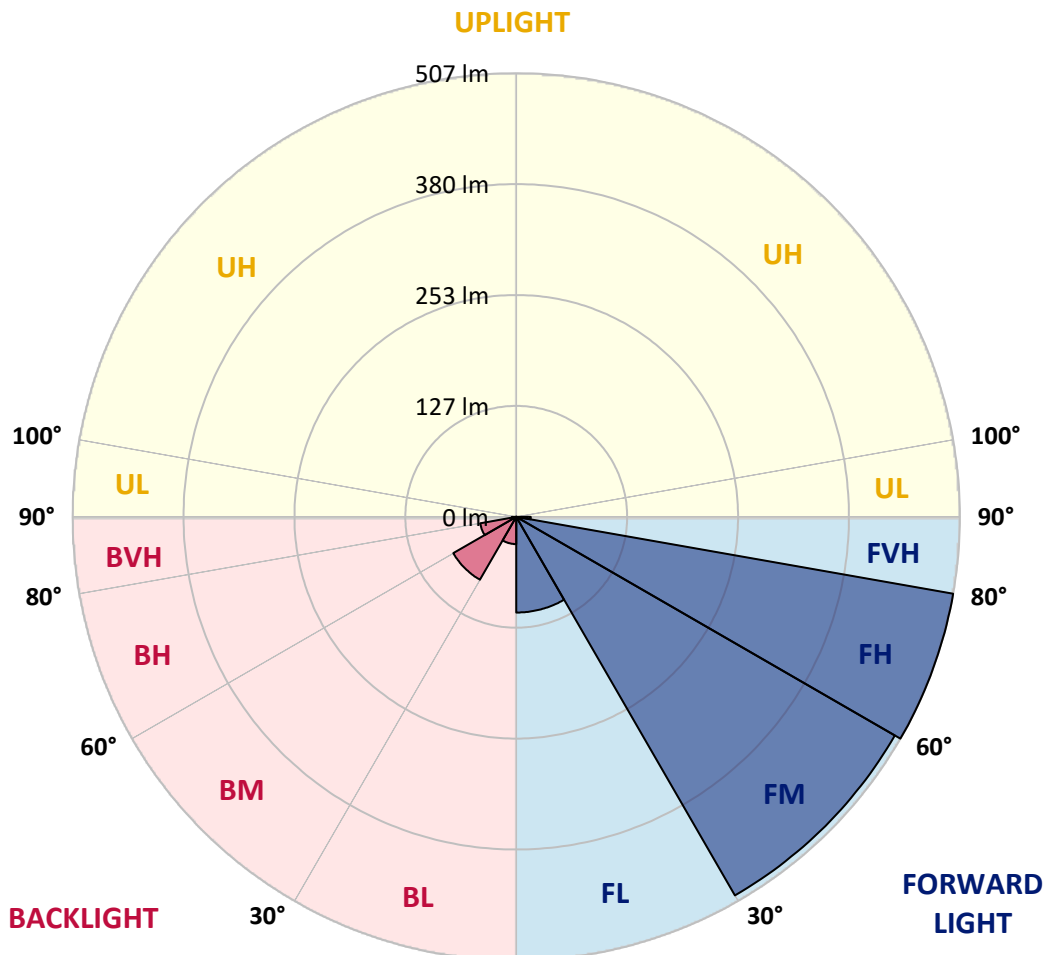
CATALOG NUMBER: BRT6-A3-830-U-T3-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.4	8.5			
FM	(30°-60°)	499.5	38.6			
FH	(60°-80°)	506.9	39.2			G0/660
FVH	(80°-90°)	16.5	1.3			G1/100
BL	(0°-30°)	31.1	2.4	B0/110		
BM	(30°-60°)	83.0	6.4	B0/220		
BH	(60°-80°)	41.8	3.2	B0/110		G0/110
BVH	(80°-90°)	4.9	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°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
2.5°	201.3	202.0	202.0	197.7	176.7	168.7	152.1	138.3	123.8	109.3	102.8
5°	216.5	216.5	216.5	214.3	208.6	184.7	174.5	154.2	141.2	123.8	120.2
7.5°	231.0	231.7	231.0	228.8	225.2	197.0	188.3	162.2	151.3	128.2	123.8
10°	244.0	244.8	244.8	242.6	239.7	215.1	199.9	170.2	159.3	131.8	126.7
12.5°	258.5	259.2	258.5	256.4	252.0	226.7	210.0	184.7	165.8	135.4	129.6
15°	275.9	276.6	277.4	272.3	267.2	239.0	221.6	193.3	172.3	140.5	132.5
17.5°	295.5	295.5	295.5	292.6	285.3	253.5	232.5	202.8	180.3	146.3	135.4
20°	316.5	317.2	316.5	314.3	304.9	270.8	245.5	212.9	188.3	152.8	139.0
22.5°	335.3	337.5	338.2	334.6	326.6	291.1	261.4	223.8	197.7	160.0	143.4
25°	357.0	357.7	357.0	354.8	346.1	312.1	276.6	236.1	207.8	168.0	149.2
27.5°	375.8	377.3	376.6	372.9	367.1	333.1	293.3	250.6	218.7	176.7	157.1
30°	396.8	396.1	393.9	392.5	387.4	352.7	311.4	265.8	231.0	187.6	168.7
32.5°	412.8	412.8	409.9	408.4	403.4	370.8	327.3	280.2	244.8	203.5	183.2
35°	427.3	428.0	425.1	422.2	417.8	386.7	341.8	294.7	260.7	222.3	199.9
37.5°	441.0	441.7	441.0	435.9	431.6	401.2	357.0	311.4	278.1	242.6	215.1
40°	450.4	451.9	454.8	447.5	443.9	417.1	374.4	333.8	302.0	264.3	229.6
42.5°	447.5	449.0	458.4	458.4	456.9	435.2	394.7	359.9	327.3	286.8	243.3
45°	438.8	441.7	457.7	465.6	470.7	456.2	417.8	391.0	357.0	309.9	257.1
47.5°	428.7	430.1	451.1	466.4	485.9	480.8	444.6	422.2	393.9	332.4	269.4
50°	422.2	425.1	446.8	469.3	501.8	512.0	474.3	458.4	430.9	353.4	279.5
52.5°	428.0	432.3	451.1	478.7	521.4	549.6	506.9	495.3	469.3	370.0	288.9
55°	440.3	441.7	464.9	497.5	549.6	591.6	541.7	538.8	507.6	384.5	295.5
57.5°	455.5	456.9	485.9	521.4	583.7	634.4	580.8	581.5	545.3	396.8	300.5
60°	476.5	480.1	510.5	555.4	624.2	685.1	624.9	627.8	580.8	404.8	302.7
62.5°	491.0	496.8	531.5	591.6	672.7	748.1	674.9	668.4	614.1	409.1	300.5
65°	485.2	487.4	535.2	618.4	723.4	827.7	736.5	705.3	640.2	406.3	291.1
67.5°	459.8	464.2	512.7	625.7	763.3	902.3	801.6	734.3	654.6	391.8	267.2
70°	396.8	404.8	452.6	587.3	771.2	958.1	853.8	740.8	630.7	353.4	225.2
72.5°	238.2	254.9	301.2	413.5	656.8	909.5	841.5	668.4	533.7	273.7	151.3
75°	120.9	124.6	139.8	206.4	405.5	709.7	719.8	522.8	390.3	159.3	85.5
77.5°	56.5	57.2	65.9	92.7	201.3	422.9	543.8	383.1	248.4	81.8	45.6
80°	31.1	33.3	35.5	45.6	62.3	194.1	342.5	232.5	141.2	36.2	20.3
82.5°	21.0	21.0	21.7	23.2	29.7	47.1	115.1	89.8	54.3	14.5	10.1
85°	8.0	8.7	9.4	10.1	11.6	12.3	13.0	12.3	8.7	5.1	3.6
87.5°	3.6	3.6	3.6	4.3	3.6	3.6	3.6	2.9	2.9	2.2	1.4
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°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
2.5°	97.0	89.1	71.7	63.7	47.1	43.4	31.9	23.2	12.3	9.4
5°	110.8	95.6	84.7	70.2	63.7	45.6	42.7	24.6	26.1	36.9
7.5°	115.1	97.0	89.8	71.7	66.6	46.3	43.4	26.1	31.9	37.7
10°	120.9	98.5	90.5	72.4	67.3	47.1	44.2	29.0	39.8	39.8
12.5°	123.1	99.9	92.0	73.1	69.5	48.5	45.6	35.5	41.3	42.0
15°	125.3	100.7	93.4	75.3	71.0	50.7	47.1	42.0	42.0	42.7
17.5°	127.5	102.1	96.3	76.8	72.4	52.9	47.1	42.7	42.0	42.7
20°	129.6	105.0	99.2	78.2	72.4	55.8	47.1	42.7	42.0	42.7
22.5°	134.0	109.3	102.8	78.9	71.7	56.5	45.6	42.0	41.3	42.0
25°	139.8	115.9	105.0	79.7	70.2	55.8	44.9	41.3	39.8	40.6
27.5°	148.5	123.8	106.5	80.4	68.1	55.0	43.4	39.8	38.4	39.1
30°	160.8	131.1	105.7	78.9	65.2	53.6	42.0	38.4	37.7	38.4
32.5°	175.2	136.1	103.6	76.0	62.3	52.1	40.6	36.9	36.2	36.9
35°	187.6	137.6	98.5	71.0	59.4	50.7	39.1	35.5	35.5	36.2
37.5°	197.7	136.1	91.2	66.6	55.8	48.5	37.7	34.8	34.8	34.8
40°	205.7	131.8	83.3	61.6	52.1	46.3	36.9	34.0	34.0	34.8
42.5°	211.5	125.3	76.0	57.9	50.0	45.6	36.2	33.3	33.3	34.0
45°	215.8	117.3	69.5	53.6	47.8	44.2	34.8	31.9	31.9	32.6
47.5°	220.1	109.3	63.0	50.7	47.1	43.4	33.3	31.9	31.9	32.6
50°	222.3	101.4	57.9	48.5	45.6	41.3	32.6	31.9	33.3	33.3
52.5°	223.8	94.1	52.9	45.6	44.9	40.6	33.3	33.3	34.0	34.8
55°	222.3	84.7	47.8	42.7	42.7	40.6	34.0	34.0	34.8	34.8
57.5°	215.8	73.9	42.7	40.6	41.3	41.3	34.8	34.0	34.8	35.5
60°	207.1	62.3	39.1	38.4	40.6	41.3	35.5	34.0	35.5	35.5
62.5°	191.2	50.0	34.8	35.5	39.8	41.3	35.5	33.3	35.5	35.5
65°	166.6	39.8	31.1	32.6	38.4	40.6	34.8	32.6	34.0	34.8
67.5°	136.1	33.3	28.2	29.7	36.9	39.8	34.0	31.9	32.6	34.0
70°	100.7	28.2	26.1	27.5	35.5	36.9	33.3	30.4	31.9	32.6
72.5°	65.9	23.9	23.2	25.3	34.0	34.0	31.9	29.0	30.4	31.9
75°	38.4	18.8	18.8	22.4	31.9	31.1	30.4	24.6	26.8	29.7
77.5°	23.9	14.5	15.9	18.8	29.7	29.0	28.2	21.0	23.2	27.5
80°	11.6	10.9	11.6	15.9	25.3	25.3	26.1	18.1	20.3	25.3
82.5°	6.5	6.5	8.0	10.9	22.4	21.7	22.4	15.2	17.4	22.4
85°	3.6	4.3	4.3	7.2	15.2	13.8	18.8	10.9	13.0	17.4
87.5°	1.4	1.4	0.7	0.7	2.2	0.7	2.2	1.4	4.3	5.8
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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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)