

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-A2-750-U-T4-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 (G3-2004-745-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/14/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: BRT6-A2-750-U-T4-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1000LM, WIDE PATH ASYMMETRICAL, BLACK FINISH
Light Source: (10) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1101 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

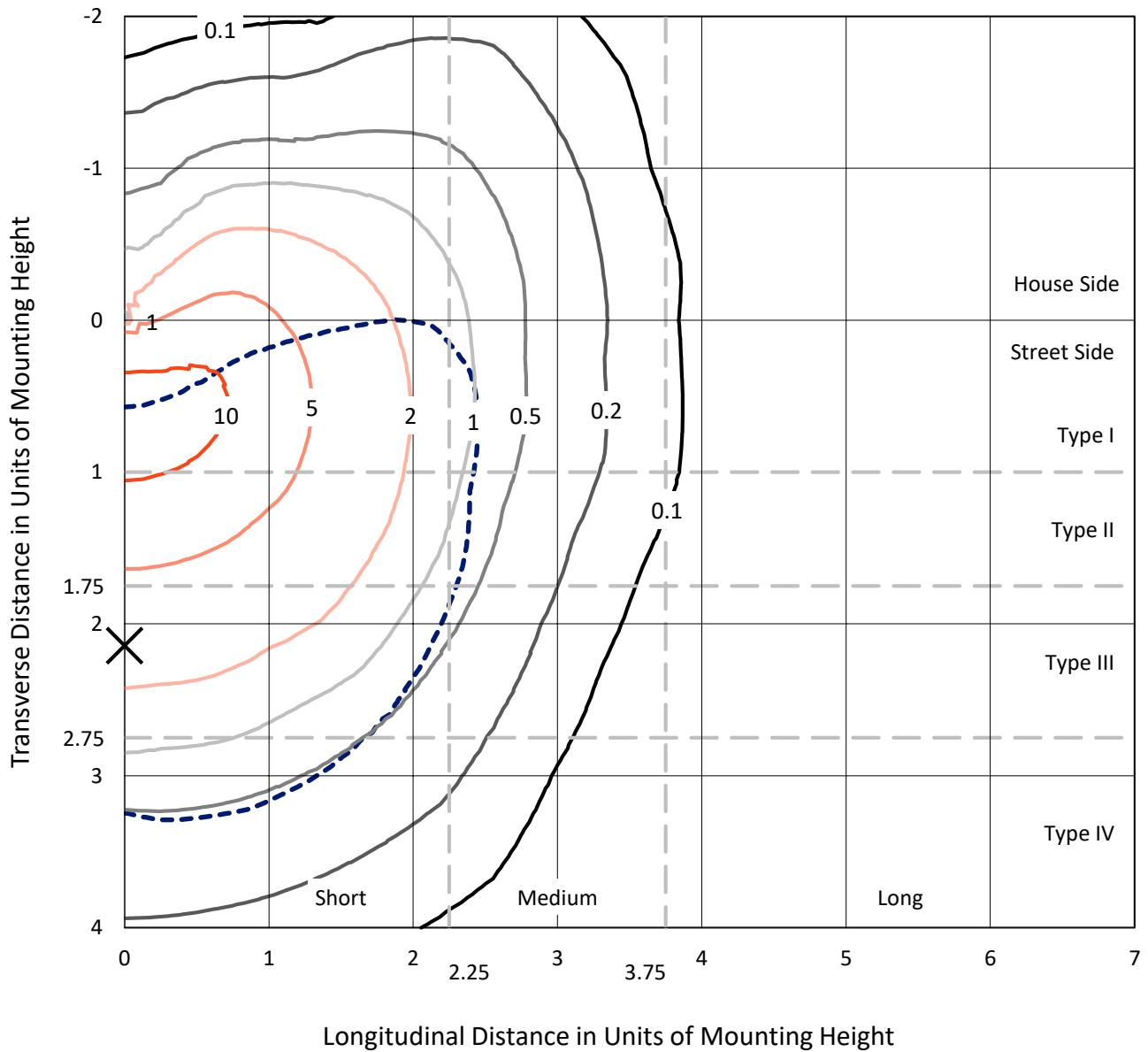
Input Watts (W): 9.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

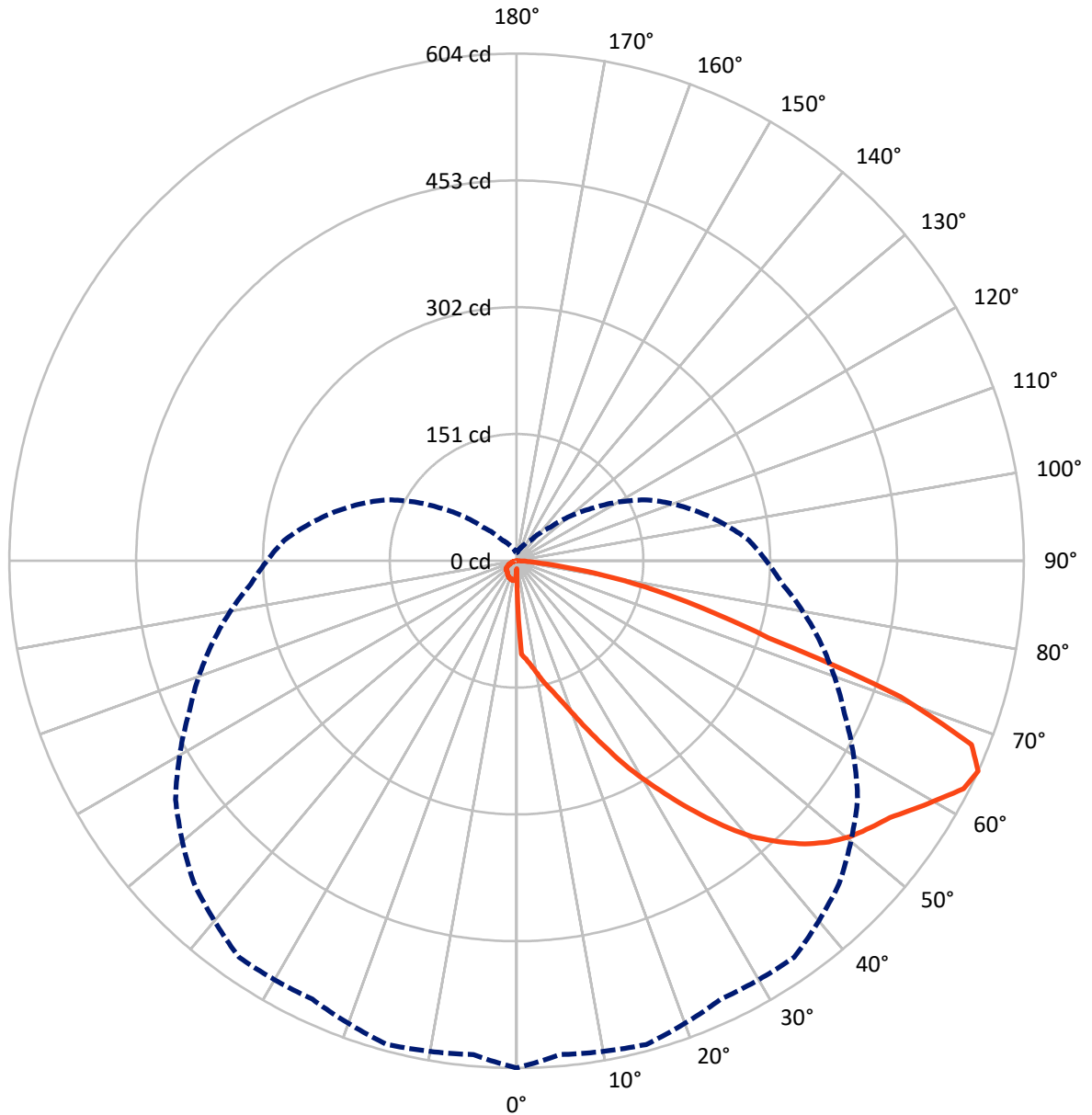
× Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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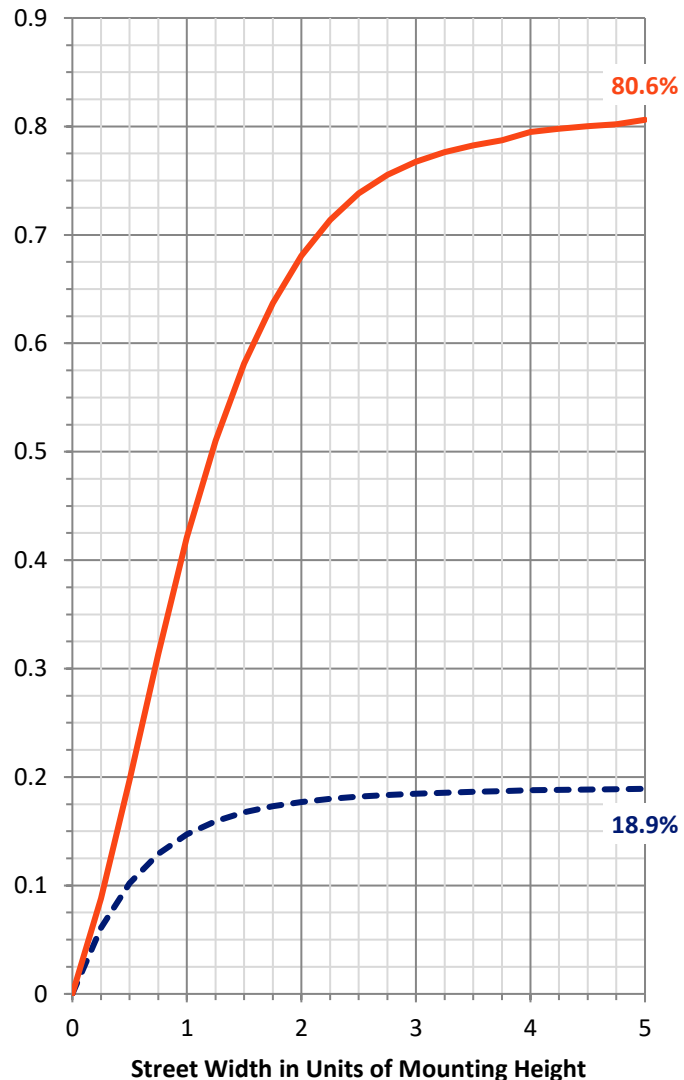
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	209.3	0.0	209.3
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	891.8	0.0	891.8
	% Fixture	81.0	0.0	81.0
Total	Lumens	1101.0	0.0	1101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.6
10°-20°	27.0	2.5
20°-30°	63.0	5.7
30°-40°	123.8	11.2
40°-50°	194.0	17.6
50°-60°	254.6	23.1
60°-70°	285.4	25.9
70°-80°	130.3	11.8
80°-90°	16.3	1.5
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°	1101.0	100.0
0°-180°	1101.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

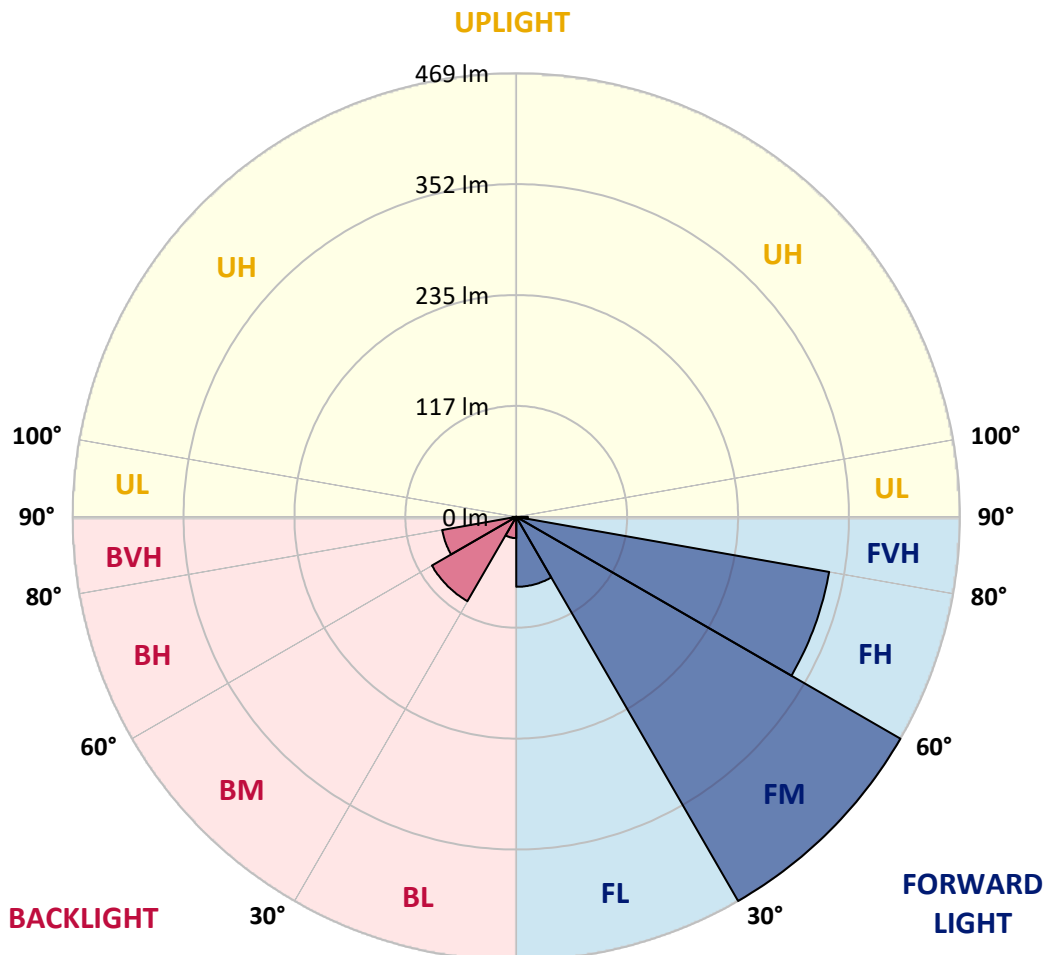
CATALOG NUMBER: BRT6-A2-750-U-T4-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.0	6.7			
FM (30°-60°)	469.3	42.6			
FH (60°-80°)	336.2	30.5			G0/660
FVH (80°-90°)	12.3	1.1			G1/100
BL (0°-30°)	22.6	2.1	B0/110		
BM (30°-60°)	103.1	9.4	B0/220		
BH (60°-80°)	79.6	7.2	B0/110		G0/110
BVH (80°-90°)	4.0	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°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	111.4	109.2	102.0	95.4	88.8	80.0	75.0	68.4	61.8	55.7	55.1
5°	117.5	116.9	116.9	108.1	104.8	95.9	91.0	83.3	77.8	69.5	66.7
7.5°	125.7	125.7	125.7	122.4	114.7	108.1	102.0	91.5	86.0	75.5	73.9
10°	136.8	136.8	136.2	135.1	125.7	120.8	110.8	101.5	94.3	83.3	79.4
12.5°	149.4	148.9	147.8	146.1	136.2	132.3	121.3	112.5	102.6	89.9	85.5
15°	161.6	162.1	161.0	158.8	149.4	144.5	132.3	124.1	111.4	98.2	92.1
17.5°	176.5	177.0	174.8	173.1	164.3	158.3	145.6	136.2	121.9	108.1	100.9
20°	196.3	195.2	193.6	191.9	182.0	174.3	160.5	151.1	135.1	119.7	110.8
22.5°	219.5	218.4	217.3	214.0	201.8	195.2	178.7	167.6	148.9	132.3	122.4
25°	245.9	246.5	242.1	240.4	226.1	219.5	199.6	186.9	166.0	146.7	135.1
27.5°	275.2	275.7	271.3	269.1	255.3	246.5	226.1	209.5	184.2	162.1	150.0
30°	304.4	305.5	303.3	301.1	285.1	275.7	251.5	233.3	204.6	178.7	164.3
32.5°	334.7	336.9	333.1	333.6	318.2	307.1	280.7	259.2	228.3	197.4	180.9
35°	367.3	368.9	366.1	366.7	350.7	340.2	309.9	285.1	250.9	216.2	198.5
37.5°	400.3	400.3	398.1	398.7	381.0	368.4	335.3	311.6	271.9	233.8	215.1
40°	431.8	431.8	429.6	426.3	411.4	393.7	363.4	333.1	292.3	247.6	227.2
42.5°	457.1	456.6	452.7	451.1	435.6	417.4	387.7	352.4	308.8	261.4	238.8
45°	480.8	480.3	473.7	472.6	457.7	439.5	408.6	372.2	322.6	273.0	249.8
47.5°	500.1	500.1	493.5	493.0	477.0	459.9	426.3	388.8	335.8	285.6	258.1
50°	515.6	515.6	508.4	511.2	490.2	479.2	441.1	403.6	349.1	296.1	268.5
52.5°	527.7	529.9	523.3	527.2	504.6	496.8	456.0	415.8	360.6	305.5	277.9
55°	539.3	544.3	537.1	541.5	517.8	513.4	470.4	428.5	370.6	312.7	287.3
57.5°	557.5	559.7	553.1	553.6	532.1	525.5	484.2	438.4	379.4	318.7	293.4
60°	576.8	575.1	571.3	564.1	550.3	538.2	495.2	444.5	386.6	324.8	299.4
62.5°	597.2	585.6	587.3	574.0	566.9	545.9	501.8	445.6	387.1	327.0	302.7
65°	603.8	590.0	596.1	575.7	576.2	543.2	495.7	430.7	374.4	317.6	297.2
67.5°	584.0	571.3	583.4	550.3	564.7	509.5	459.3	382.7	339.1	288.4	275.2
70°	484.7	462.1	483.6	446.1	462.1	389.9	339.1	266.3	245.4	212.9	209.5
72.5°	313.2	326.4	333.6	322.6	299.4	254.2	203.5	170.9	173.1	146.7	152.7
75°	233.8	233.8	233.3	223.3	215.1	169.3	130.1	116.9	123.5	108.6	104.8
77.5°	169.3	165.4	156.6	156.6	151.1	107.0	89.9	83.8	84.9	79.4	73.9
80°	105.3	111.9	100.9	100.9	92.1	65.1	56.2	55.1	51.3	46.9	45.8
82.5°	49.1	53.5	48.5	50.2	41.4	32.0	28.1	26.5	22.6	20.4	21.0
85°	17.6	16.5	14.9	14.9	13.2	10.5	9.4	8.8	7.2	7.2	7.2
87.5°	7.7	7.2	6.6	6.6	6.1	5.5	5.5	4.4	3.3	2.8	2.2
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°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	52.4	45.2	40.8	34.2	30.9	23.7	21.5	14.3	17.1	17.6
5°	61.2	56.2	47.4	43.6	34.7	31.4	24.3	21.5	22.1	23.2
7.5°	70.0	60.1	54.0	46.3	38.0	33.1	27.0	23.7	24.8	23.7
10°	76.1	64.0	57.9	48.0	41.4	33.6	27.0	25.4	25.9	23.7
12.5°	81.6	68.9	60.7	49.6	42.5	34.2	28.1	25.9	25.9	23.7
15°	88.2	73.3	64.0	51.3	43.6	34.2	28.7	25.4	25.4	23.2
17.5°	95.4	79.4	68.4	53.5	44.1	34.2	28.1	24.8	25.4	22.6
20°	104.8	86.0	72.8	56.2	45.2	34.2	28.1	24.3	24.8	22.1
22.5°	113.6	93.2	77.2	59.0	46.3	34.2	27.6	23.2	24.3	22.1
25°	125.2	101.5	83.3	62.3	48.0	34.2	27.0	22.6	23.2	21.5
27.5°	137.9	110.8	90.4	66.2	50.2	34.2	26.5	21.5	22.1	21.0
30°	152.2	121.9	97.1	71.1	52.4	35.3	25.9	21.0	21.5	20.4
32.5°	166.5	132.3	104.2	75.5	55.7	36.4	25.9	20.4	20.4	19.9
35°	182.0	143.4	111.4	80.5	58.5	37.5	25.9	19.9	19.9	18.7
37.5°	195.2	154.4	119.1	85.5	61.8	39.2	26.5	19.9	18.7	18.2
40°	208.4	163.8	125.7	89.9	64.5	40.3	27.0	19.9	18.2	17.1
42.5°	218.4	171.5	131.2	93.2	66.7	41.9	27.6	19.9	18.2	17.1
45°	227.7	178.7	135.1	95.9	68.4	43.6	28.7	19.9	17.6	16.5
47.5°	235.5	184.7	138.4	97.6	68.9	44.7	29.8	20.4	17.6	16.5
50°	243.2	190.8	140.6	98.7	67.8	45.2	30.3	21.0	17.1	16.5
52.5°	250.9	195.8	142.8	99.8	65.6	44.1	29.8	21.0	16.5	16.0
55°	258.1	201.8	144.5	99.8	62.9	42.5	29.2	20.4	15.4	14.9
57.5°	265.2	207.3	147.2	99.8	60.1	39.7	27.6	19.3	14.9	13.8
60°	273.5	214.5	152.2	100.9	56.2	36.9	25.4	18.2	13.8	12.7
62.5°	279.0	221.7	161.0	103.1	54.0	33.6	23.2	16.5	12.1	11.0
65°	277.9	224.4	171.5	108.6	56.2	30.3	21.0	14.9	10.5	9.9
67.5°	260.3	215.6	178.1	110.8	64.0	27.0	18.2	13.2	9.4	8.3
70°	210.6	190.8	165.4	119.1	65.6	24.3	16.5	11.0	8.3	7.2
72.5°	146.1	145.0	127.9	114.7	64.0	23.7	14.9	9.4	7.2	6.1
75°	109.2	97.6	104.2	89.9	59.6	24.8	13.2	7.7	5.5	5.0
77.5°	76.6	69.5	71.1	66.2	48.5	22.6	11.0	6.1	4.4	3.9
80°	47.4	41.9	44.7	39.2	32.0	17.1	8.3	4.4	2.8	2.8
82.5°	22.1	17.6	18.7	16.5	14.9	8.8	4.4	2.8	1.7	1.7
85°	6.6	5.0	5.0	3.9	3.3	3.3	2.2	1.1	1.1	0.6
87.5°	2.2	1.7	1.7	1.1	0.6	0.6	0.6	0.0	0.0	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

Scaled Data Report



Report Generated By E9970913

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Scaled Data Report



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Scaled Data Report





— Vertical Plane Through 0-Deg Lateral

- - - Horizontal Cone Through 65-Deg Vertical



--- HS — SS



0°

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

Scaled Data Report





(END OF REPORT)