

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-A2-740-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-A2-740-U-T3-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1000LM, PATH ASYMMETRICAL, BLACK FINISH
Light Source: (8) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1074.6 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

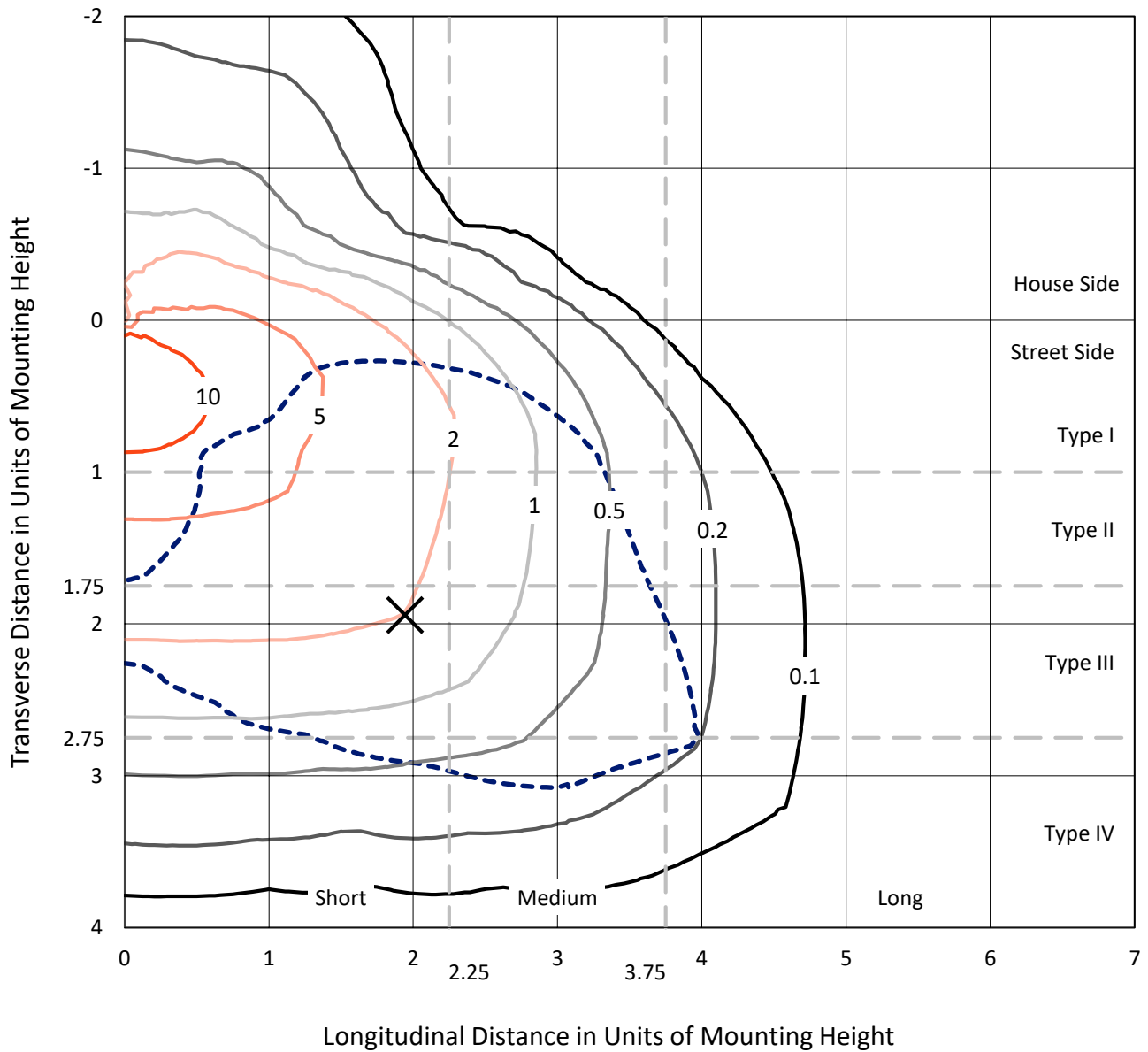
Input Watts (W): 10.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

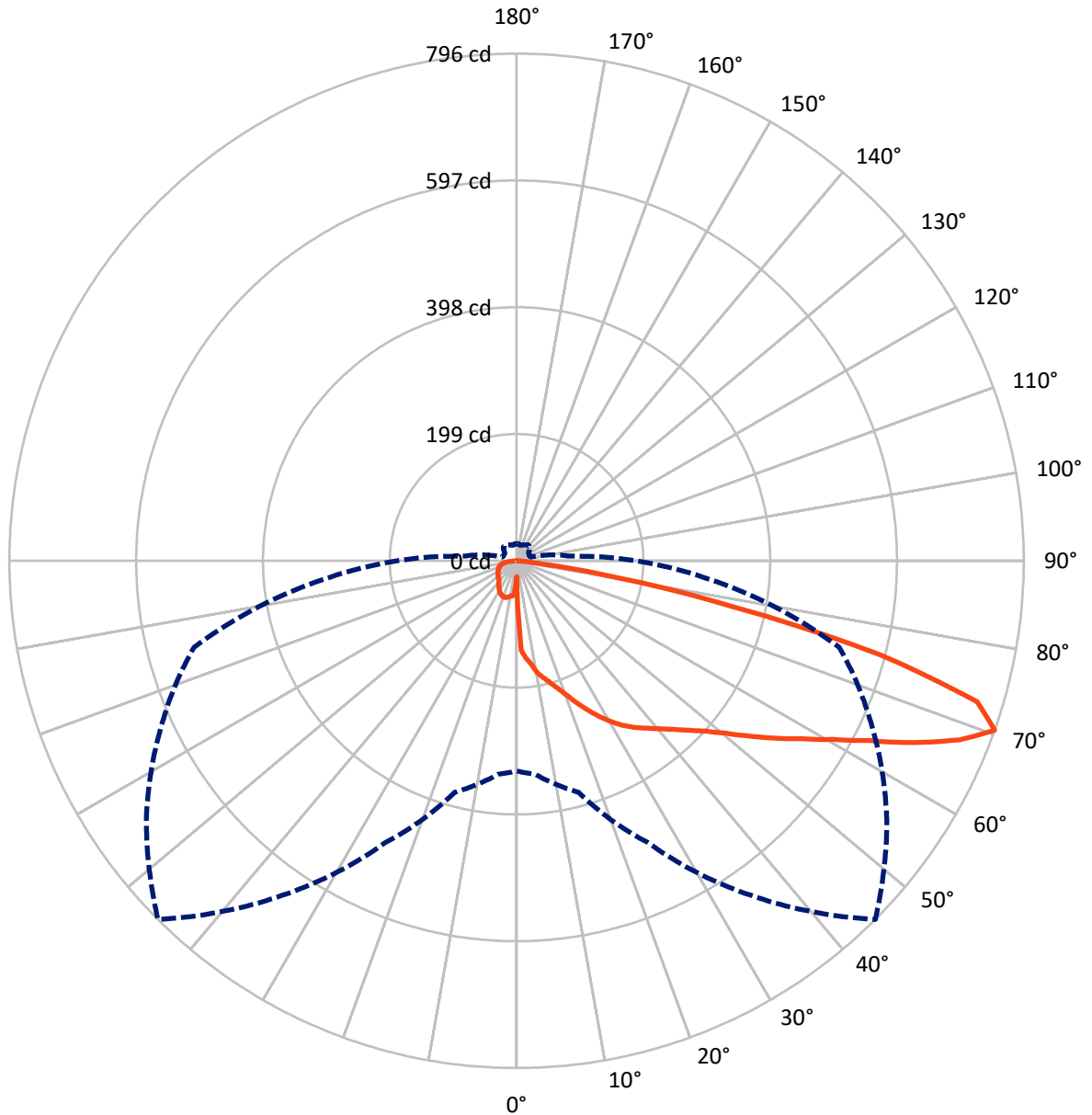
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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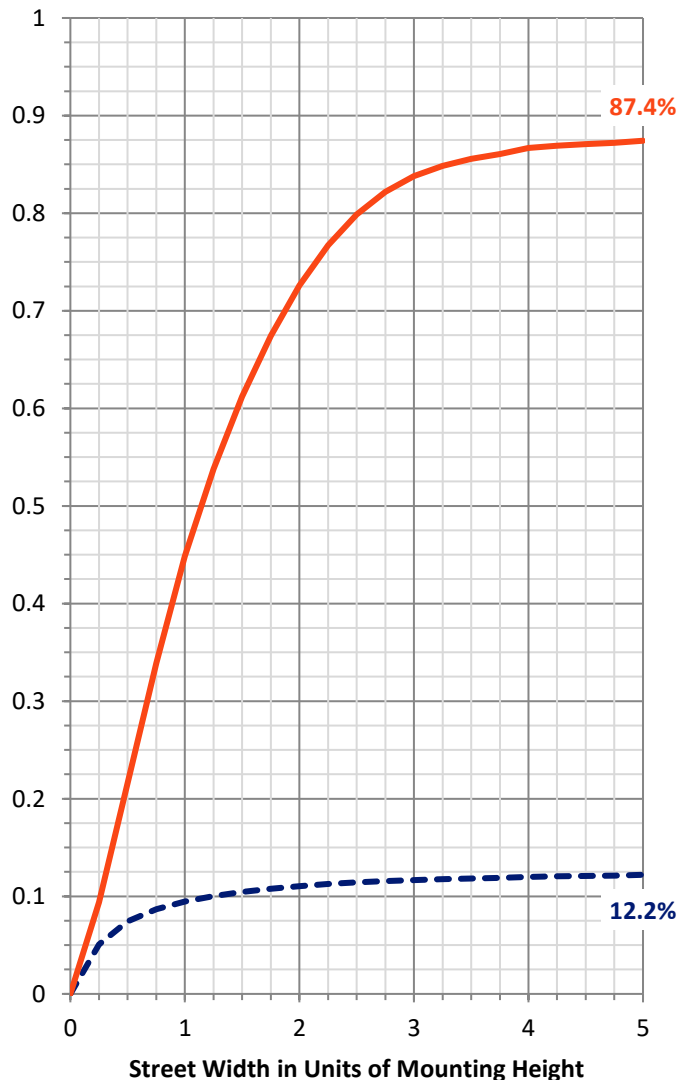
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	133.7	0.0	133.7
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	940.9	0.0	940.9
	% Fixture	87.6	0.0	87.6
Total	Lumens	1074.6	0.0	1074.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.9
10°-20°	35.9	3.3
20°-30°	71.1	6.6
30°-40°	113.6	10.6
40°-50°	158.1	14.7
50°-60°	212.3	19.8
60°-70°	276.9	25.8
70°-80°	179.1	16.7
80°-90°	17.8	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°	1074.6	100.0
0°-180°	1074.6	100.0

Coefficient of Utilization



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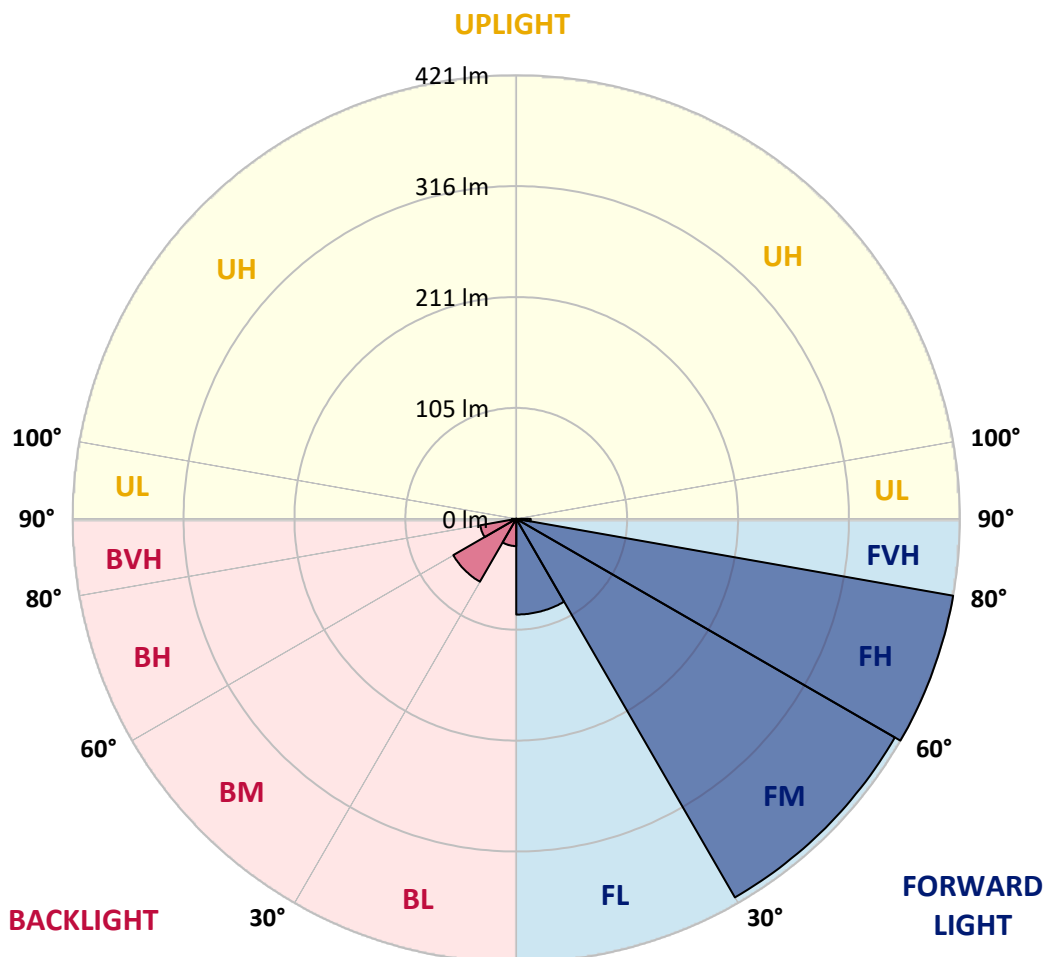
CATALOG NUMBER: BRT6-A2-740-U-T3-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.9	8.5			
FM (30°-60°)	415.1	38.6			
FH (60°-80°)	421.2	39.2			G0/660
FVH (80°-90°)	13.7	1.3			G1/100
BL (0°-30°)	25.9	2.4	B0/110		
BM (30°-60°)	69.0	6.4	B0/220		
BH (60°-80°)	34.8	3.2	B0/110		G0/110
BVH (80°-90°)	4.1	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°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
2.5°	167.3	167.9	167.9	164.3	146.8	140.2	126.4	114.9	102.9	90.9	85.5
5°	179.9	179.9	179.9	178.1	173.3	153.5	145.0	128.2	117.3	102.9	99.9
7.5°	192.0	192.6	192.0	190.2	187.2	163.7	156.5	134.8	125.8	106.5	102.9
10°	202.8	203.4	203.4	201.6	199.2	178.7	166.1	141.4	132.4	109.5	105.3
12.5°	214.8	215.4	214.8	213.0	209.4	188.4	174.5	153.5	137.8	112.5	107.7
15°	229.3	229.9	230.5	226.3	222.1	198.6	184.1	160.7	143.2	116.7	110.1
17.5°	245.5	245.5	245.5	243.1	237.1	210.6	193.2	168.5	149.8	121.6	112.5
20°	263.0	263.6	263.0	261.2	253.3	225.1	204.0	176.9	156.5	127.0	115.5
22.5°	278.6	280.4	281.0	278.0	271.4	241.9	217.2	185.9	164.3	133.0	119.2
25°	296.7	297.3	296.7	294.9	287.6	259.4	229.9	196.2	172.7	139.6	124.0
27.5°	312.3	313.5	312.9	309.9	305.1	276.8	243.7	208.2	181.7	146.8	130.6
30°	329.8	329.2	327.4	326.2	321.9	293.1	258.8	220.9	192.0	155.9	140.2
32.5°	343.0	343.0	340.6	339.4	335.2	308.1	272.0	232.9	203.4	169.1	152.2
35°	355.0	355.6	353.2	350.8	347.2	321.3	284.0	244.9	216.6	184.7	166.1
37.5°	366.5	367.1	366.5	362.3	358.7	333.4	296.7	258.8	231.1	201.6	178.7
40°	374.3	375.5	377.9	371.9	368.9	346.6	311.1	277.4	250.9	219.6	190.8
42.5°	371.9	373.1	380.9	380.9	379.7	361.7	328.0	299.1	272.0	238.3	202.2
45°	364.7	367.1	380.3	386.9	391.2	379.1	347.2	325.0	296.7	257.6	213.6
47.5°	356.2	357.5	374.9	387.5	403.8	399.6	369.5	350.8	327.4	276.2	223.9
50°	350.8	353.2	371.3	389.9	417.0	425.5	394.2	380.9	358.1	293.7	232.3
52.5°	355.6	359.3	374.9	397.8	433.3	456.7	421.2	411.6	389.9	307.5	240.1
55°	365.9	367.1	386.3	413.4	456.7	491.6	450.1	447.7	421.8	319.5	245.5
57.5°	378.5	379.7	403.8	433.3	485.0	527.2	482.6	483.2	453.1	329.8	249.7
60°	396.0	399.0	424.2	461.6	518.7	569.3	519.3	521.7	482.6	336.4	251.5
62.5°	408.0	412.8	441.7	491.6	559.0	621.6	560.9	555.4	510.3	340.0	249.7
65°	403.2	405.0	444.7	513.9	601.2	687.8	612.0	586.1	532.0	337.6	241.9
67.5°	382.1	385.7	426.1	519.9	634.3	749.8	666.2	610.2	544.0	325.6	222.1
70°	329.8	336.4	376.1	488.0	640.9	796.1	709.5	615.6	524.1	293.7	187.2
72.5°	198.0	211.8	250.3	343.6	545.8	755.8	699.3	555.4	443.5	227.5	125.8
75°	100.5	103.5	116.1	171.5	337.0	589.7	598.2	434.5	324.4	132.4	71.0
77.5°	46.9	47.5	54.8	77.0	167.3	351.4	451.9	318.3	206.4	68.0	37.9
80°	25.9	27.7	29.5	37.9	51.8	161.3	284.6	193.2	117.3	30.1	16.8
82.5°	17.5	17.5	18.1	19.3	24.7	39.1	95.7	74.6	45.1	12.0	8.4
85°	6.6	7.2	7.8	8.4	9.6	10.2	10.8	10.2	7.2	4.2	3.0
87.5°	3.0	3.0	3.0	3.6	3.0	3.0	3.0	2.4	2.4	1.8	1.2
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°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
2.5°	80.6	74.0	59.6	53.0	39.1	36.1	26.5	19.3	10.2	7.8
5°	92.1	79.4	70.4	58.4	53.0	37.9	35.5	20.5	21.7	30.7
7.5°	95.7	80.6	74.6	59.6	55.4	38.5	36.1	21.7	26.5	31.3
10°	100.5	81.8	75.2	60.2	56.0	39.1	36.7	24.1	33.1	33.1
12.5°	102.3	83.0	76.4	60.8	57.8	40.3	37.9	29.5	34.3	34.9
15°	104.1	83.6	77.6	62.6	59.0	42.1	39.1	34.9	34.9	35.5
17.5°	105.9	84.8	80.0	63.8	60.2	43.9	39.1	35.5	34.9	35.5
20°	107.7	87.3	82.4	65.0	60.2	46.3	39.1	35.5	34.9	35.5
22.5°	111.3	90.9	85.5	65.6	59.6	46.9	37.9	34.9	34.3	34.9
25°	116.1	96.3	87.3	66.2	58.4	46.3	37.3	34.3	33.1	33.7
27.5°	123.4	102.9	88.5	66.8	56.6	45.7	36.1	33.1	31.9	32.5
30°	133.6	108.9	87.9	65.6	54.2	44.5	34.9	31.9	31.3	31.9
32.5°	145.6	113.1	86.1	63.2	51.8	43.3	33.7	30.7	30.1	30.7
35°	155.9	114.3	81.8	59.0	49.3	42.1	32.5	29.5	29.5	30.1
37.5°	164.3	113.1	75.8	55.4	46.3	40.3	31.3	28.9	28.9	28.9
40°	170.9	109.5	69.2	51.2	43.3	38.5	30.7	28.3	28.3	28.9
42.5°	175.7	104.1	63.2	48.1	41.5	37.9	30.1	27.7	27.7	28.3
45°	179.3	97.5	57.8	44.5	39.7	36.7	28.9	26.5	26.5	27.1
47.5°	182.9	90.9	52.4	42.1	39.1	36.1	27.7	26.5	26.5	27.1
50°	184.7	84.2	48.1	40.3	37.9	34.3	27.1	26.5	27.7	27.7
52.5°	185.9	78.2	43.9	37.9	37.3	33.7	27.7	27.7	28.3	28.9
55°	184.7	70.4	39.7	35.5	35.5	33.7	28.3	28.3	28.9	28.9
57.5°	179.3	61.4	35.5	33.7	34.3	34.3	28.9	28.3	28.9	29.5
60°	172.1	51.8	32.5	31.9	33.7	34.3	29.5	28.3	29.5	29.5
62.5°	158.9	41.5	28.9	29.5	33.1	34.3	29.5	27.7	29.5	29.5
65°	138.4	33.1	25.9	27.1	31.9	33.7	28.9	27.1	28.3	28.9
67.5°	113.1	27.7	23.5	24.7	30.7	33.1	28.3	26.5	27.1	28.3
70°	83.6	23.5	21.7	22.9	29.5	30.7	27.7	25.3	26.5	27.1
72.5°	54.8	19.9	19.3	21.1	28.3	28.3	26.5	24.1	25.3	26.5
75°	31.9	15.6	15.6	18.7	26.5	25.9	25.3	20.5	22.3	24.7
77.5°	19.9	12.0	13.2	15.6	24.7	24.1	23.5	17.5	19.3	22.9
80°	9.6	9.0	9.6	13.2	21.1	21.1	21.7	15.0	16.8	21.1
82.5°	5.4	5.4	6.6	9.0	18.7	18.1	18.7	12.6	14.4	18.7
85°	3.0	3.6	3.6	6.0	12.6	11.4	15.6	9.0	10.8	14.4
87.5°	1.2	1.2	0.6	0.6	1.8	0.6	1.8	1.2	3.6	4.8
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

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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



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

Scaled Data Report





(END OF REPORT)