

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-A3-730-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-A3-730-U-T4-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1500LM, WIDE PATH ASYMMETRICAL, BLACK FINISH
Light Source: (10) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1472 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

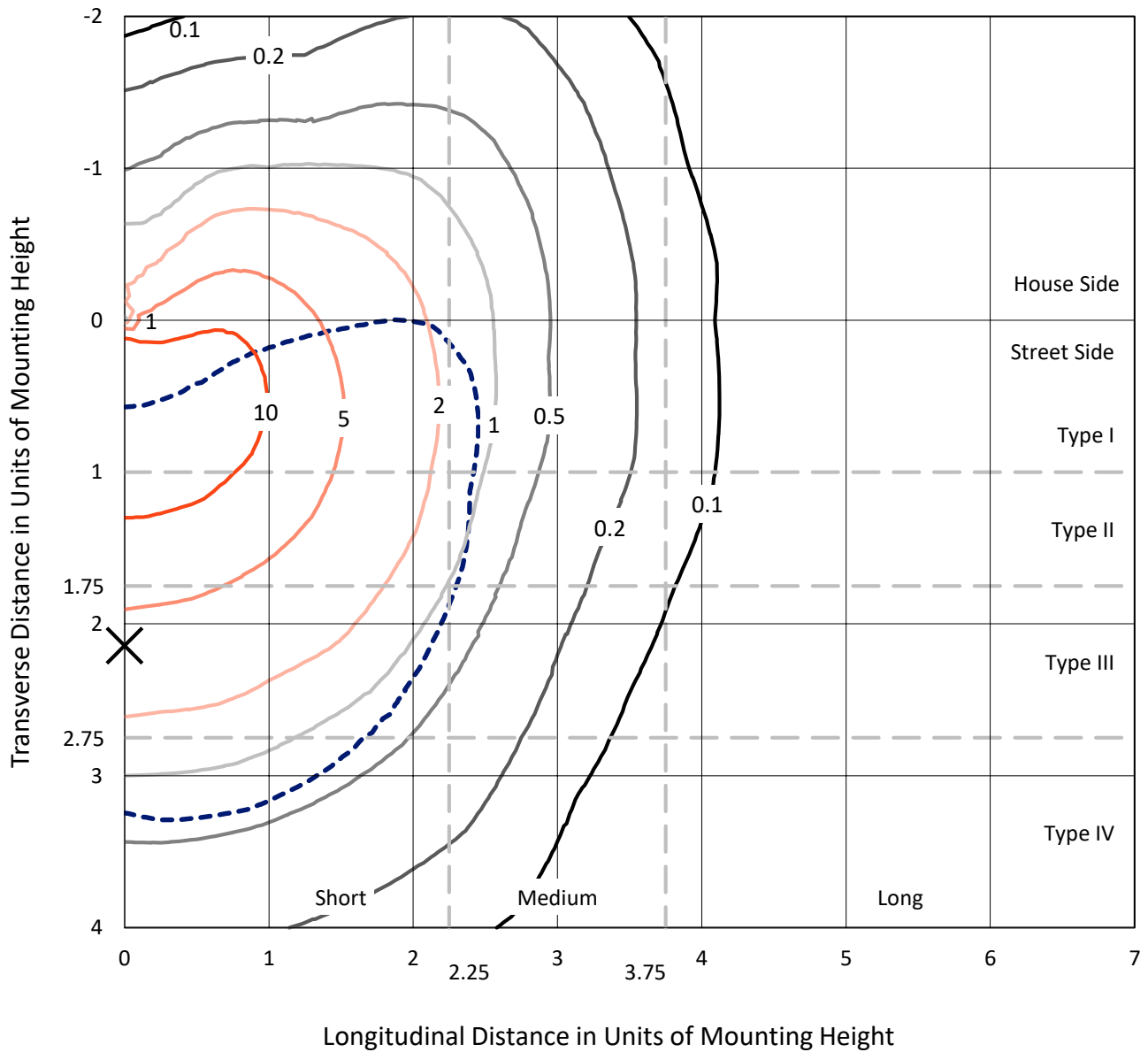
Input Watts (W): 14.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

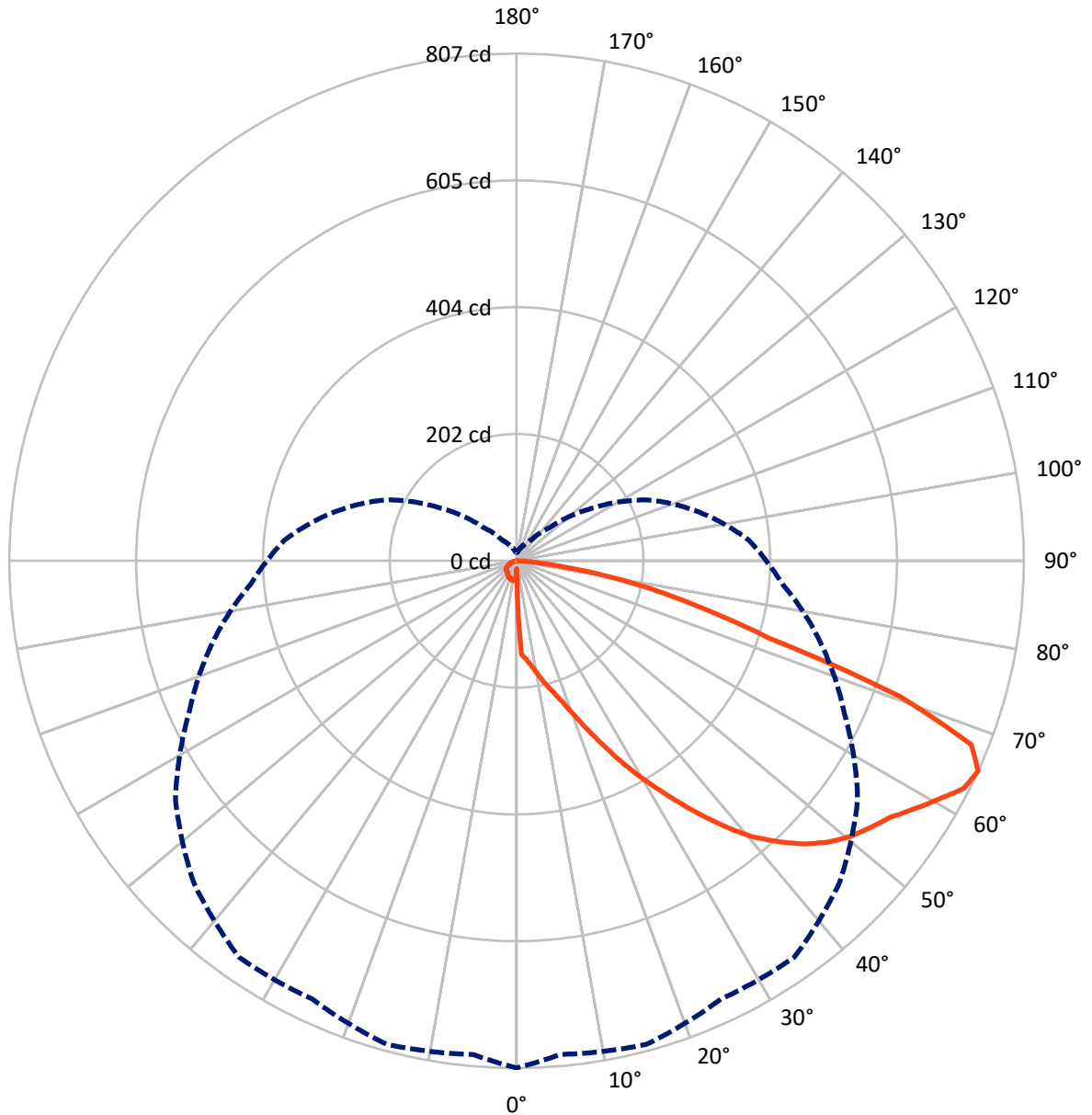
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 16.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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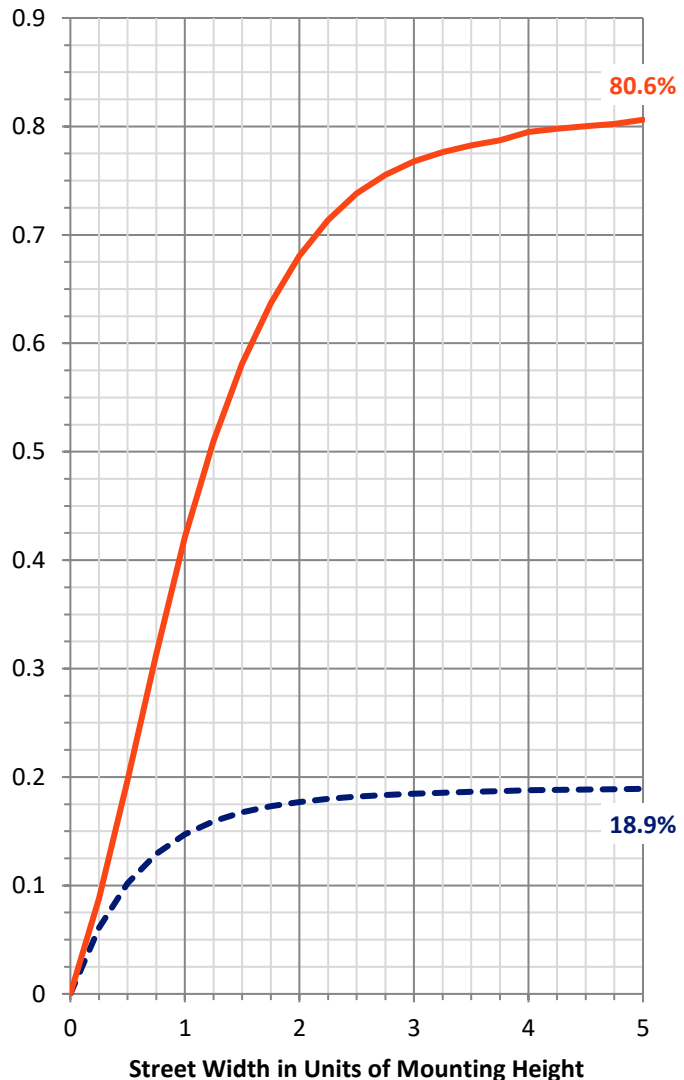
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	279.8	0.0	279.8
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	1192.2	0.0	1192.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	1472.0	0.0	1472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.6
10°-20°	36.1	2.5
20°-30°	84.2	5.7
30°-40°	165.5	11.2
40°-50°	259.3	17.6
50°-60°	340.4	23.1
60°-70°	381.6	25.9
70°-80°	174.2	11.8
80°-90°	21.7	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°	1472.0	100.0
0°-180°	1472.0	100.0

Coefficient of Utilization



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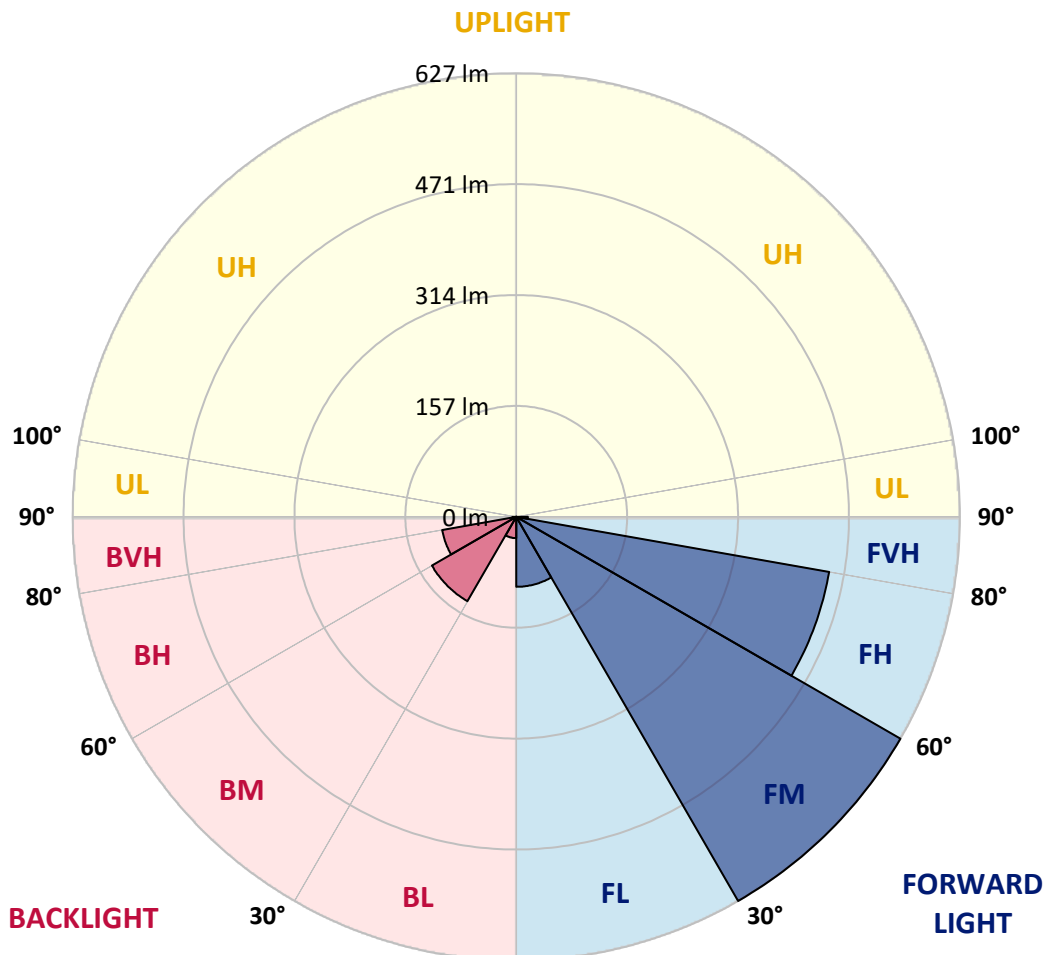
CATALOG NUMBER: BRT6-A3-730-U-T4-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.0	6.7			
FM (30°-60°)	627.4	42.6			
FH (60°-80°)	449.4	30.5			G0/660
FVH (80°-90°)	16.4	1.1			G1/100
BL (0°-30°)	30.2	2.1	B0/110		
BM (30°-60°)	137.8	9.4	B0/220		
BH (60°-80°)	106.4	7.2	B0/110		G0/110
BVH (80°-90°)	5.4	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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	148.9	146.0	136.4	127.5	118.7	106.9	100.3	91.4	82.6	74.5	73.7
5°	157.0	156.3	156.3	144.5	140.1	128.3	121.6	111.3	104.0	92.9	89.2
7.5°	168.1	168.1	168.1	163.7	153.3	144.5	136.4	122.4	115.0	101.0	98.8
10°	182.8	182.8	182.1	180.6	168.1	161.5	148.2	135.7	126.1	111.3	106.2
12.5°	199.8	199.1	197.6	195.4	182.1	176.9	162.2	150.4	137.1	120.2	114.3
15°	216.0	216.7	215.3	212.3	199.8	193.2	176.9	165.9	148.9	131.2	123.1
17.5°	235.9	236.7	233.7	231.5	219.7	211.6	194.6	182.1	162.9	144.5	134.9
20°	262.5	261.0	258.8	256.6	243.3	233.0	214.5	202.0	180.6	160.0	148.2
22.5°	293.4	291.9	290.5	286.0	269.8	261.0	238.9	224.1	199.1	176.9	163.7
25°	328.8	329.5	323.6	321.4	302.3	293.4	266.9	249.9	221.9	196.1	180.6
27.5°	367.9	368.6	362.7	359.8	341.3	329.5	302.3	280.2	246.2	216.7	200.5
30°	407.0	408.4	405.5	402.5	381.2	368.6	336.2	311.9	273.5	238.9	219.7
32.5°	447.5	450.5	445.3	446.0	425.4	410.6	375.3	346.5	305.2	263.9	241.8
35°	491.0	493.2	489.5	490.3	468.9	454.9	414.3	381.2	335.4	289.0	265.4
37.5°	535.2	535.2	532.3	533.0	509.4	492.5	448.2	416.5	363.5	312.6	287.5
40°	577.3	577.3	574.3	569.9	550.0	526.4	485.8	445.3	390.7	331.0	303.7
42.5°	611.2	610.4	605.3	603.1	582.4	558.1	518.3	471.1	412.9	349.5	319.2
45°	642.9	642.1	633.3	631.8	611.9	587.6	546.3	497.6	431.3	364.9	334.0
47.5°	668.7	668.7	659.8	659.1	637.7	614.9	569.9	519.8	449.0	381.9	345.0
50°	689.3	689.3	679.7	683.4	655.4	640.7	589.8	539.7	466.7	395.9	359.0
52.5°	705.5	708.5	699.6	704.8	674.6	664.3	609.7	555.9	482.2	408.4	371.6
55°	721.0	727.7	718.1	724.0	692.3	686.4	628.9	572.8	495.4	418.0	384.1
57.5°	745.3	748.3	739.5	740.2	711.4	702.6	647.3	586.1	507.2	426.1	392.2
60°	771.2	768.9	763.8	754.2	735.8	719.5	662.0	594.2	516.8	434.2	400.3
62.5°	798.4	782.9	785.2	767.5	757.9	729.9	670.9	595.7	517.5	437.2	404.7
65°	807.3	788.8	797.0	769.7	770.4	726.2	662.8	575.8	500.6	424.7	397.4
67.5°	780.7	763.8	780.0	735.8	754.9	681.2	614.1	511.6	453.4	385.6	367.9
70°	648.0	617.8	646.6	596.4	617.8	521.2	453.4	356.1	328.1	284.6	280.2
72.5°	418.8	436.4	446.0	431.3	400.3	339.9	272.0	228.5	231.5	196.1	204.2
75°	312.6	312.6	311.9	298.6	287.5	226.3	174.0	156.3	165.1	145.2	140.1
77.5°	226.3	221.2	209.4	209.4	202.0	143.0	120.2	112.1	113.5	106.2	98.8
80°	140.8	149.7	134.9	134.9	123.1	87.0	75.2	73.7	68.6	62.7	61.2
82.5°	65.6	71.5	64.9	67.1	55.3	42.8	37.6	35.4	30.2	27.3	28.0
85°	23.6	22.1	19.9	19.9	17.7	14.0	12.5	11.8	9.6	9.6	9.6
87.5°	10.3	9.6	8.8	8.8	8.1	7.4	7.4	5.9	4.4	3.7	2.9
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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	70.0	60.5	54.6	45.7	41.3	31.7	28.8	19.2	22.9	23.6
5°	81.8	75.2	63.4	58.2	46.4	42.0	32.4	28.8	29.5	31.0
7.5°	93.6	80.4	72.2	61.9	50.9	44.2	36.1	31.7	33.2	31.7
10°	101.7	85.5	77.4	64.1	55.3	45.0	36.1	33.9	34.7	31.7
12.5°	109.1	92.2	81.1	66.4	56.8	45.7	37.6	34.7	34.7	31.7
15°	118.0	98.1	85.5	68.6	58.2	45.7	38.3	33.9	33.9	31.0
17.5°	127.5	106.2	91.4	71.5	59.0	45.7	37.6	33.2	33.9	30.2
20°	140.1	115.0	97.3	75.2	60.5	45.7	37.6	32.4	33.2	29.5
22.5°	151.9	124.6	103.2	78.9	61.9	45.7	36.9	31.0	32.4	29.5
25°	167.4	135.7	111.3	83.3	64.1	45.7	36.1	30.2	31.0	28.8
27.5°	184.3	148.2	120.9	88.5	67.1	45.7	35.4	28.8	29.5	28.0
30°	203.5	162.9	129.8	95.1	70.0	47.2	34.7	28.0	28.8	27.3
32.5°	222.6	176.9	139.3	101.0	74.5	48.7	34.7	27.3	27.3	26.5
35°	243.3	191.7	148.9	107.6	78.1	50.1	34.7	26.5	26.5	25.1
37.5°	261.0	206.4	159.2	114.3	82.6	52.3	35.4	26.5	25.1	24.3
40°	278.7	219.0	168.1	120.2	86.3	53.8	36.1	26.5	24.3	22.9
42.5°	291.9	229.3	175.5	124.6	89.2	56.0	36.9	26.5	24.3	22.9
45°	304.5	238.9	180.6	128.3	91.4	58.2	38.3	26.5	23.6	22.1
47.5°	314.8	247.0	185.0	130.5	92.2	59.7	39.8	27.3	23.6	22.1
50°	325.1	255.1	188.0	132.0	90.7	60.5	40.5	28.0	22.9	22.1
52.5°	335.4	261.7	190.9	133.4	87.7	59.0	39.8	28.0	22.1	21.4
55°	345.0	269.8	193.2	133.4	84.0	56.8	39.1	27.3	20.6	19.9
57.5°	354.6	277.2	196.8	133.4	80.4	53.1	36.9	25.8	19.9	18.4
60°	365.7	286.8	203.5	134.9	75.2	49.4	33.9	24.3	18.4	17.0
62.5°	373.0	296.4	215.3	137.9	72.2	45.0	31.0	22.1	16.2	14.7
65°	371.6	300.1	229.3	145.2	75.2	40.5	28.0	19.9	14.0	13.3
67.5°	348.0	288.3	238.1	148.2	85.5	36.1	24.3	17.7	12.5	11.1
70°	281.6	255.1	221.2	159.2	87.7	32.4	22.1	14.7	11.1	9.6
72.5°	195.4	193.9	171.0	153.3	85.5	31.7	19.9	12.5	9.6	8.1
75°	146.0	130.5	139.3	120.2	79.6	33.2	17.7	10.3	7.4	6.6
77.5°	102.5	92.9	95.1	88.5	64.9	30.2	14.7	8.1	5.9	5.2
80°	63.4	56.0	59.7	52.3	42.8	22.9	11.1	5.9	3.7	3.7
82.5°	29.5	23.6	25.1	22.1	19.9	11.8	5.9	3.7	2.2	2.2
85°	8.8	6.6	6.6	5.2	4.4	4.4	2.9	1.5	1.5	0.7
87.5°	2.9	2.2	2.2	1.5	0.7	0.7	0.7	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

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 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)