

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-A2-730-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-A2-730-U-T4-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1000LM, 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: 1003 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

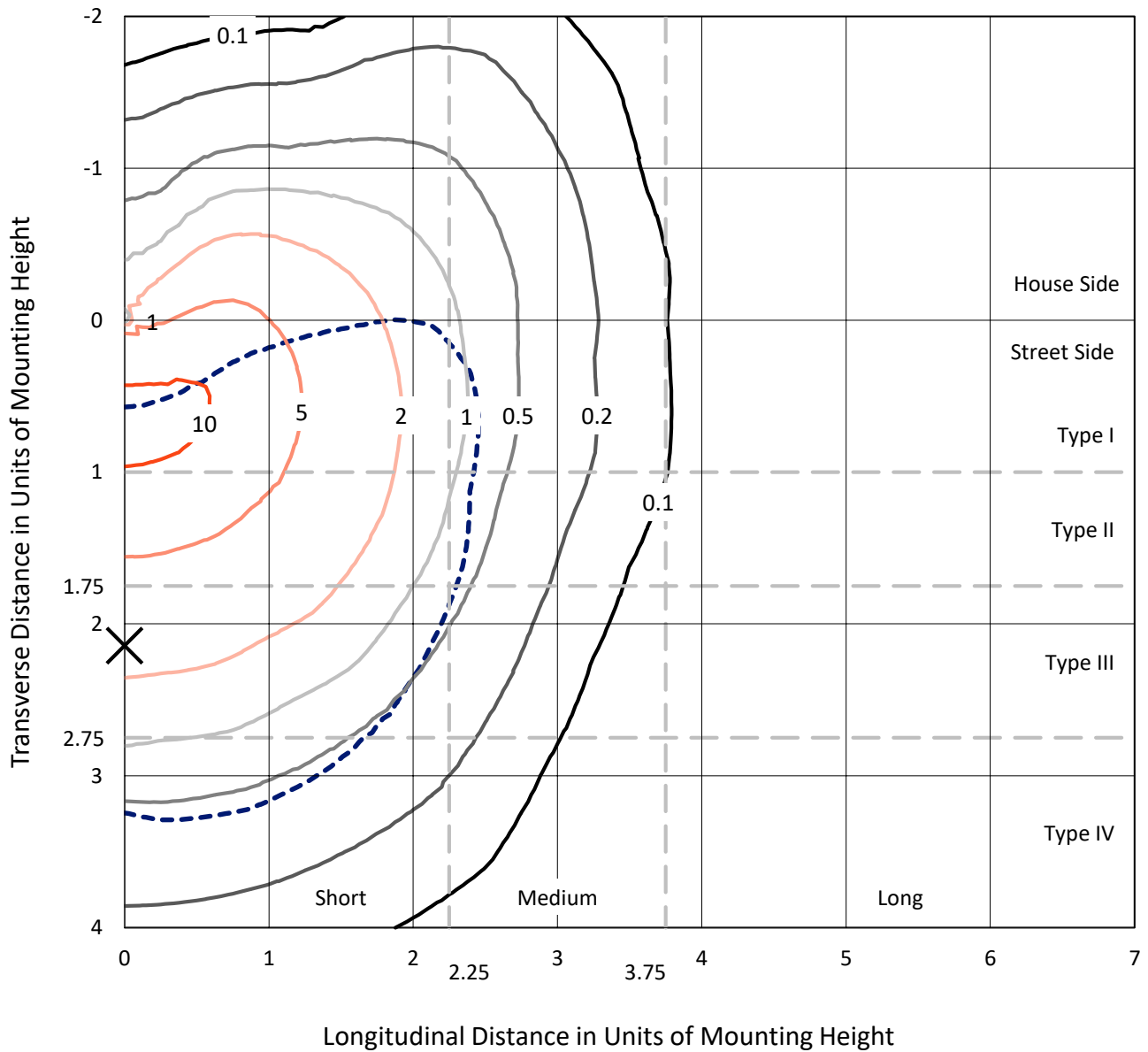
Input Watts (W): 9.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

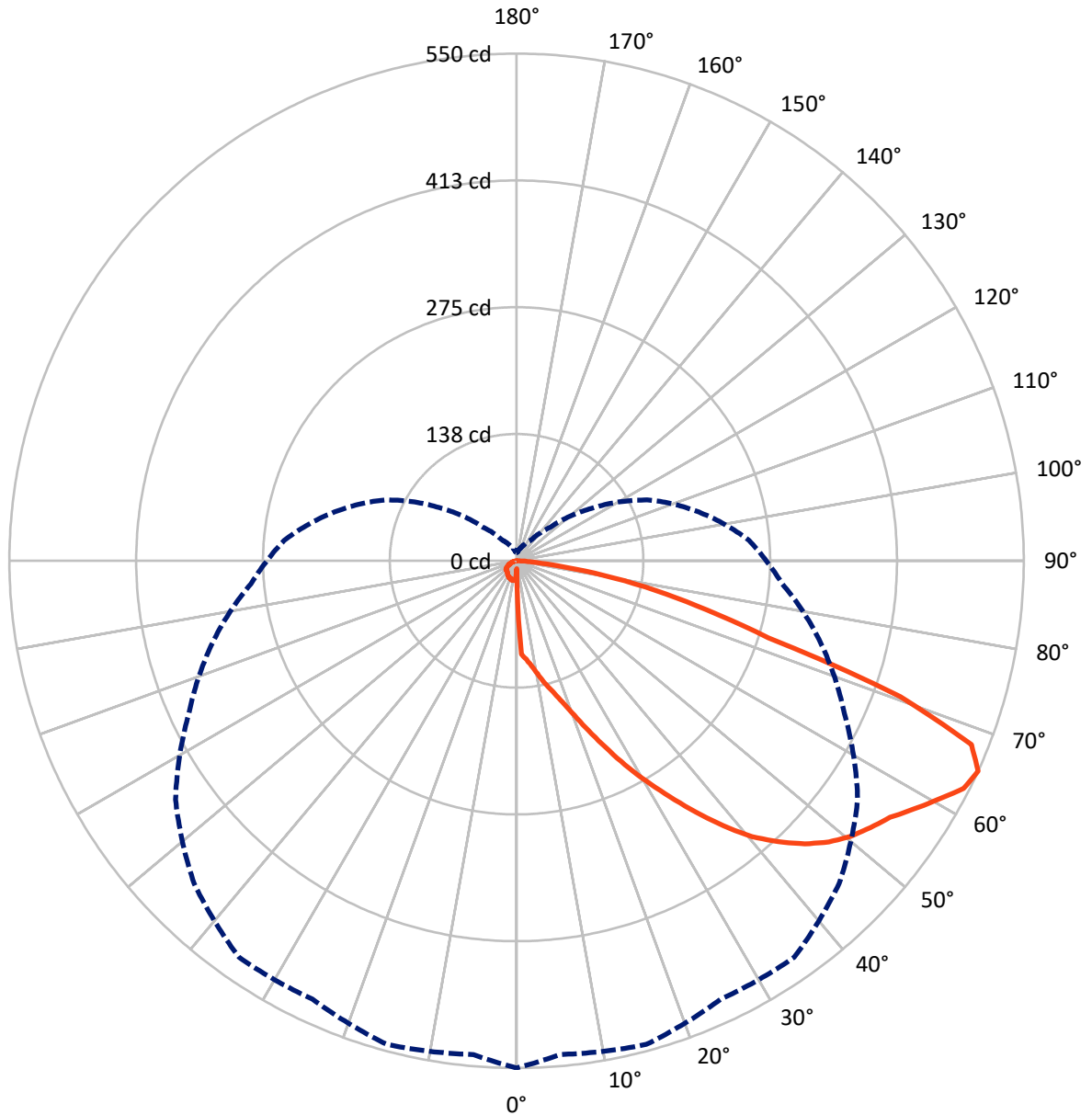
× Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 11.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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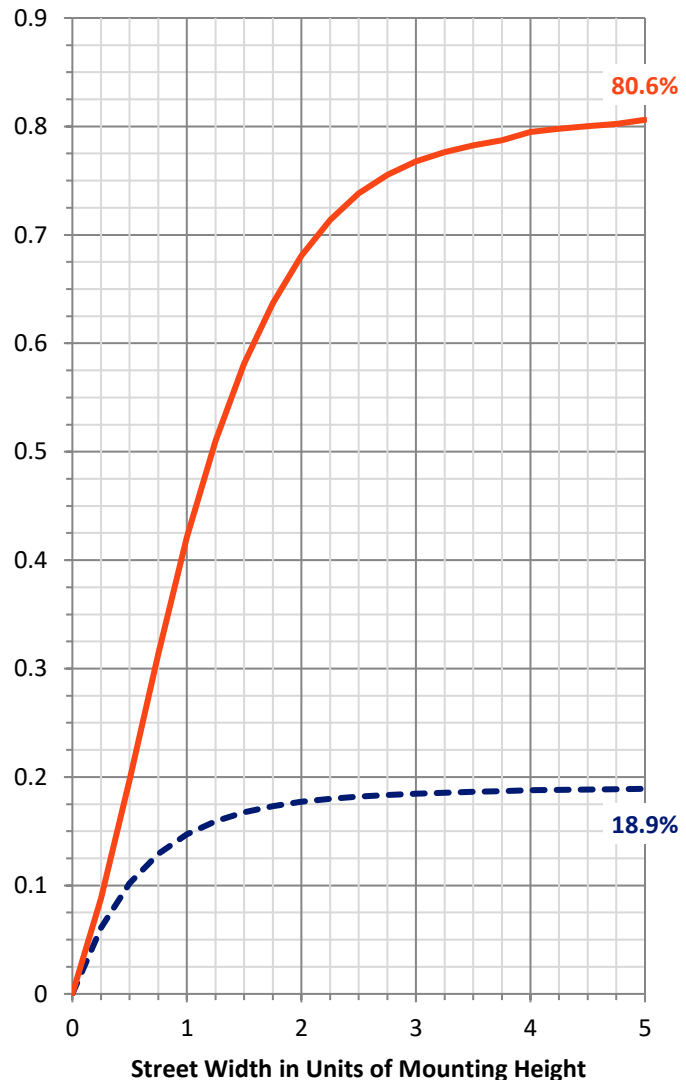
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	190.6	0.0	190.6
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	812.4	0.0	812.4
	% Fixture	81.0	0.0	81.0
Total	Lumens	1003.0	0.0	1003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.6
10°-20°	24.6	2.5
20°-30°	57.4	5.7
30°-40°	112.7	11.2
40°-50°	176.7	17.6
50°-60°	232.0	23.1
60°-70°	260.0	25.9
70°-80°	118.7	11.8
80°-90°	14.8	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°	1003.0	100.0
0°-180°	1003.0	100.0

Coefficient of Utilization



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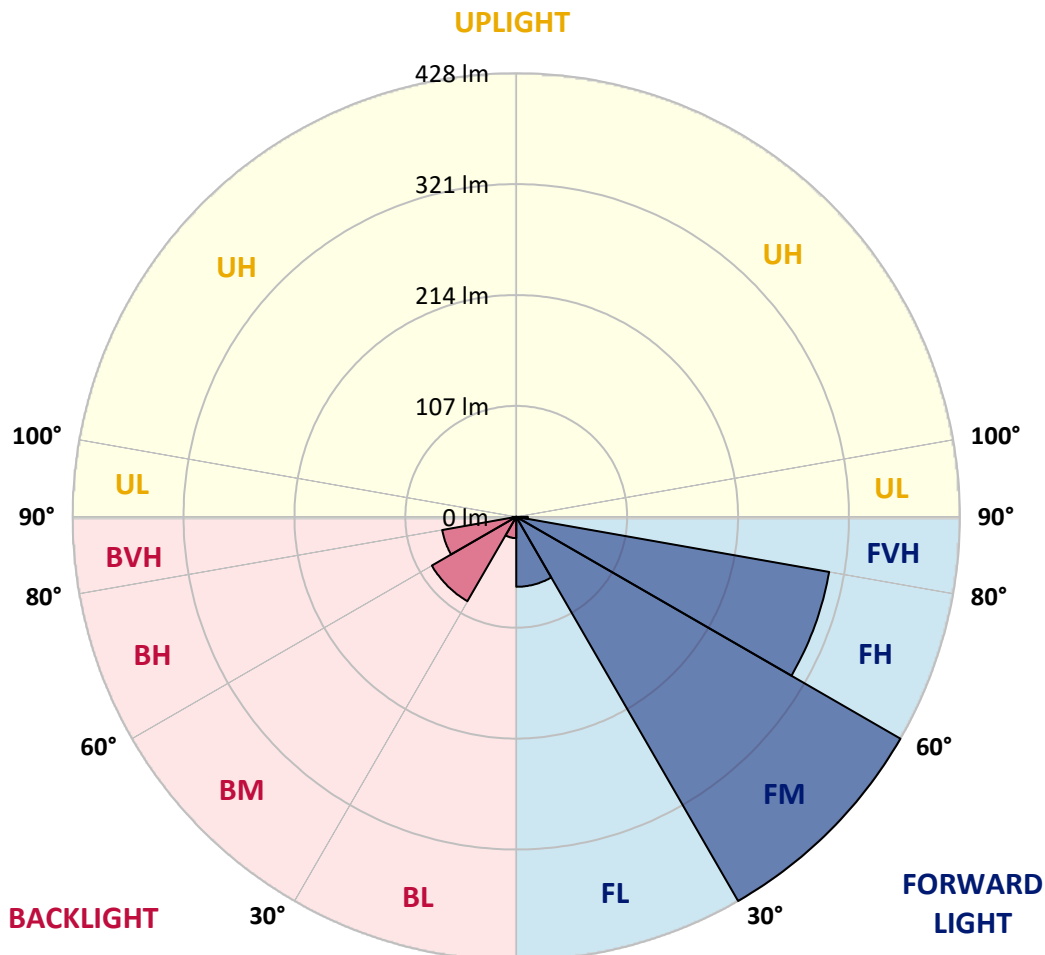
CATALOG NUMBER: BRT6-A2-730-U-T4-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.4	6.7			
FM	(30°-60°)	427.5	42.6			
FH	(60°-80°)	306.2	30.5			G0/660
FVH	(80°-90°)	11.2	1.1			G1/100
BL	(0°-30°)	20.6	2.1	B0/110		
BM	(30°-60°)	93.9	9.4	B0/220		
BH	(60°-80°)	72.5	7.2	B0/110		G0/110
BVH	(80°-90°)	3.6	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°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2.5°	101.5	99.5	92.9	86.9	80.9	72.8	68.3	62.3	56.3	50.7	50.2
5°	107.0	106.5	106.5	98.5	95.4	87.4	82.9	75.9	70.8	63.3	60.8
7.5°	114.5	114.5	114.5	111.5	104.5	98.5	92.9	83.4	78.4	68.8	67.3
10°	124.6	124.6	124.1	123.1	114.5	110.0	101.0	92.4	85.9	75.9	72.3
12.5°	136.1	135.6	134.6	133.1	124.1	120.6	110.5	102.5	93.4	81.9	77.9
15°	147.2	147.7	146.7	144.7	136.1	131.6	120.6	113.0	101.5	89.4	83.9
17.5°	160.8	161.3	159.2	157.7	149.7	144.2	132.6	124.1	111.0	98.5	91.9
20°	178.8	177.8	176.3	174.8	165.8	158.7	146.2	137.6	123.1	109.0	101.0
22.5°	199.9	198.9	197.9	194.9	183.9	177.8	162.8	152.7	135.6	120.6	111.5
25°	224.0	224.5	220.5	219.0	206.0	199.9	181.8	170.3	151.2	133.6	123.1
27.5°	250.7	251.2	247.2	245.1	232.6	224.5	206.0	190.9	167.8	147.7	136.6
30°	277.3	278.3	276.3	274.3	259.7	251.2	229.1	212.5	186.4	162.8	149.7
32.5°	304.9	306.9	303.4	303.9	289.9	279.8	255.7	236.1	208.0	179.8	164.8
35°	334.6	336.1	333.6	334.1	319.5	309.9	282.3	259.7	228.6	196.9	180.8
37.5°	364.7	364.7	362.7	363.2	347.1	335.6	305.4	283.8	247.7	213.0	195.9
40°	393.3	393.3	391.3	388.3	374.7	358.7	331.0	303.4	266.2	225.6	207.0
42.5°	416.4	415.9	412.4	410.9	396.9	380.3	353.1	321.0	281.3	238.1	217.5
45°	438.0	437.5	431.5	430.5	416.9	400.4	372.2	339.1	293.9	248.7	227.6
47.5°	455.6	455.6	449.6	449.1	434.5	419.0	388.3	354.2	305.9	260.2	235.1
50°	469.7	469.7	463.2	465.7	446.6	436.5	401.9	367.7	318.0	269.8	244.6
52.5°	480.7	482.8	476.7	480.2	459.6	452.6	415.4	378.8	328.5	278.3	253.2
55°	491.3	495.8	489.3	493.3	471.7	467.7	428.5	390.3	337.6	284.8	261.7
57.5°	507.9	509.9	503.9	504.4	484.8	478.7	441.1	399.4	345.6	290.4	267.2
60°	525.5	523.9	520.4	513.9	501.3	490.3	451.1	404.9	352.1	295.9	272.8
62.5°	544.0	533.5	535.0	522.9	516.4	497.3	457.1	405.9	352.6	297.9	275.8
65°	550.1	537.5	543.0	524.4	525.0	494.8	451.6	392.3	341.1	289.4	270.8
67.5°	532.0	520.4	531.5	501.3	514.4	464.2	418.5	348.6	308.9	262.7	250.7
70°	441.6	421.0	440.6	406.4	421.0	355.2	308.9	242.6	223.5	193.9	190.9
72.5°	285.3	297.4	303.9	293.9	272.8	231.6	185.4	155.7	157.7	133.6	139.1
75°	213.0	213.0	212.5	203.4	195.9	154.2	118.6	106.5	112.5	99.0	95.4
77.5°	154.2	150.7	142.7	142.7	137.6	97.5	81.9	76.4	77.4	72.3	67.3
80°	95.9	102.0	91.9	91.9	83.9	59.3	51.2	50.2	46.7	42.7	41.7
82.5°	44.7	48.7	44.2	45.7	37.7	29.1	25.6	24.1	20.6	18.6	19.1
85°	16.1	15.1	13.6	13.6	12.1	9.5	8.5	8.0	6.5	6.5	6.5
87.5°	7.0	6.5	6.0	6.0	5.5	5.0	5.0	4.0	3.0	2.5	2.0
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°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2.5°	47.7	41.2	37.2	31.1	28.1	21.6	19.6	13.1	15.6	16.1
5°	55.8	51.2	43.2	39.7	31.6	28.6	22.1	19.6	20.1	21.1
7.5°	63.8	54.8	49.2	42.2	34.7	30.1	24.6	21.6	22.6	21.6
10°	69.3	58.3	52.7	43.7	37.7	30.6	24.6	23.1	23.6	21.6
12.5°	74.3	62.8	55.3	45.2	38.7	31.1	25.6	23.6	23.6	21.6
15°	80.4	66.8	58.3	46.7	39.7	31.1	26.1	23.1	23.1	21.1
17.5°	86.9	72.3	62.3	48.7	40.2	31.1	25.6	22.6	23.1	20.6
20°	95.4	78.4	66.3	51.2	41.2	31.1	25.6	22.1	22.6	20.1
22.5°	103.5	84.9	70.3	53.8	42.2	31.1	25.1	21.1	22.1	20.1
25°	114.0	92.4	75.9	56.8	43.7	31.1	24.6	20.6	21.1	19.6
27.5°	125.6	101.0	82.4	60.3	45.7	31.1	24.1	19.6	20.1	19.1
30°	138.6	111.0	88.4	64.8	47.7	32.2	23.6	19.1	19.6	18.6
32.5°	151.7	120.6	94.9	68.8	50.7	33.2	23.6	18.6	18.6	18.1
35°	165.8	130.6	101.5	73.3	53.2	34.2	23.6	18.1	18.1	17.1
37.5°	177.8	140.7	108.5	77.9	56.3	35.7	24.1	18.1	17.1	16.6
40°	189.9	149.2	114.5	81.9	58.8	36.7	24.6	18.1	16.6	15.6
42.5°	198.9	156.2	119.6	84.9	60.8	38.2	25.1	18.1	16.6	15.6
45°	207.5	162.8	123.1	87.4	62.3	39.7	26.1	18.1	16.1	15.1
47.5°	214.5	168.3	126.1	88.9	62.8	40.7	27.1	18.6	16.1	15.1
50°	221.5	173.8	128.1	89.9	61.8	41.2	27.6	19.1	15.6	15.1
52.5°	228.6	178.3	130.1	90.9	59.8	40.2	27.1	19.1	15.1	14.6
55°	235.1	183.9	131.6	90.9	57.3	38.7	26.6	18.6	14.1	13.6
57.5°	241.6	188.9	134.1	90.9	54.8	36.2	25.1	17.6	13.6	12.6
60°	249.2	195.4	138.6	91.9	51.2	33.7	23.1	16.6	12.6	11.6
62.5°	254.2	201.9	146.7	93.9	49.2	30.6	21.1	15.1	11.1	10.0
65°	253.2	204.5	156.2	99.0	51.2	27.6	19.1	13.6	9.5	9.0
67.5°	237.1	196.4	162.3	101.0	58.3	24.6	16.6	12.1	8.5	7.5
70°	191.9	173.8	150.7	108.5	59.8	22.1	15.1	10.0	7.5	6.5
72.5°	133.1	132.1	116.5	104.5	58.3	21.6	13.6	8.5	6.5	5.5
75°	99.5	88.9	94.9	81.9	54.3	22.6	12.1	7.0	5.0	4.5
77.5°	69.8	63.3	64.8	60.3	44.2	20.6	10.0	5.5	4.0	3.5
80°	43.2	38.2	40.7	35.7	29.1	15.6	7.5	4.0	2.5	2.5
82.5°	20.1	16.1	17.1	15.1	13.6	8.0	4.0	2.5	1.5	1.5
85°	6.0	4.5	4.5	3.5	3.0	3.0	2.0	1.0	1.0	0.5
87.5°	2.0	1.5	1.5	1.0	0.5	0.5	0.5	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)