

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-A4-730-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-A4-730-U-T3-XX-BK  
Description: BOLLARD 6INCH ROUND BASE, 2000LM, PATH ASYMMETRICAL, BLACK FINISH  
Light Source: (8) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1786 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

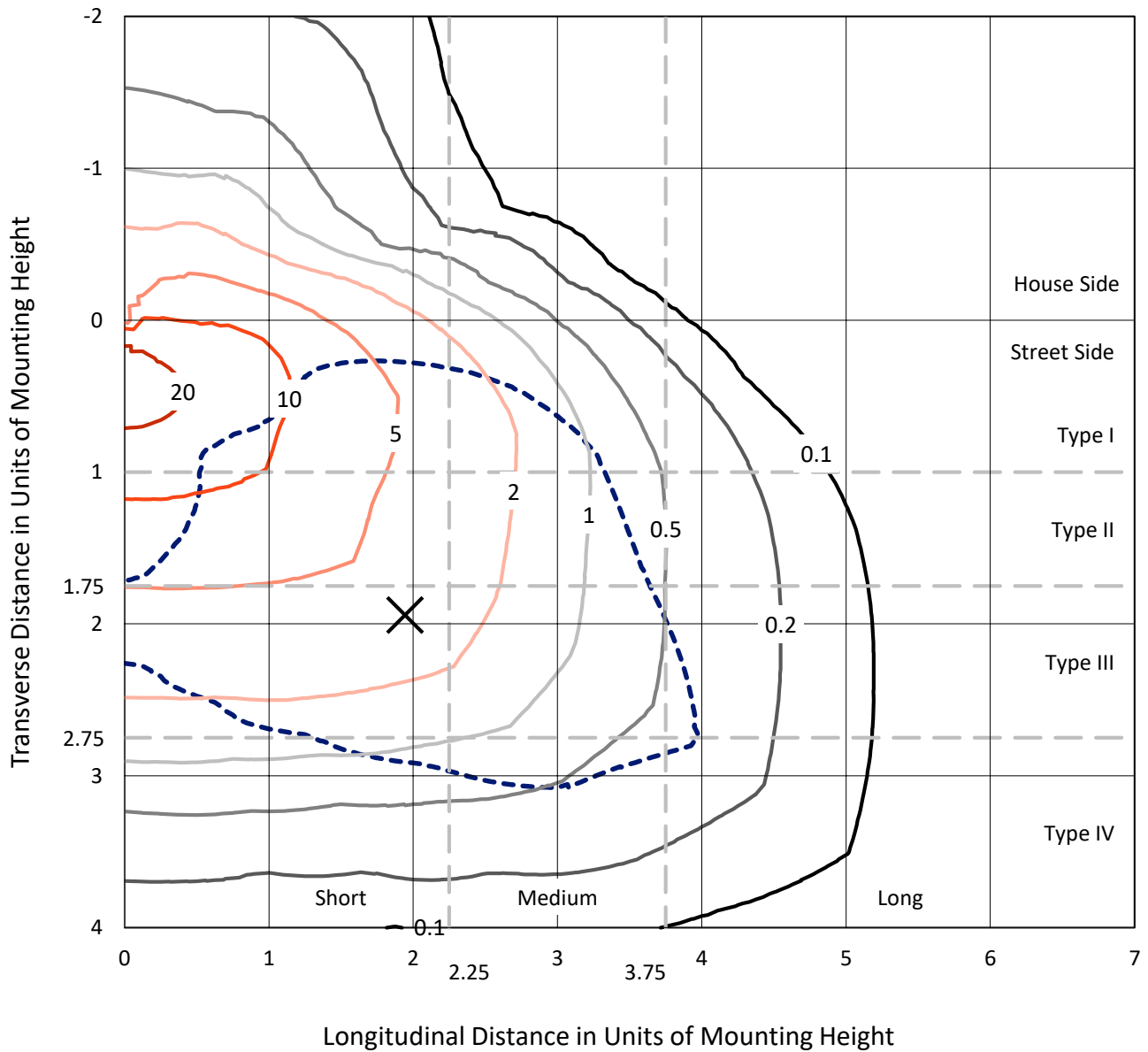
Input Watts (W): 21.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

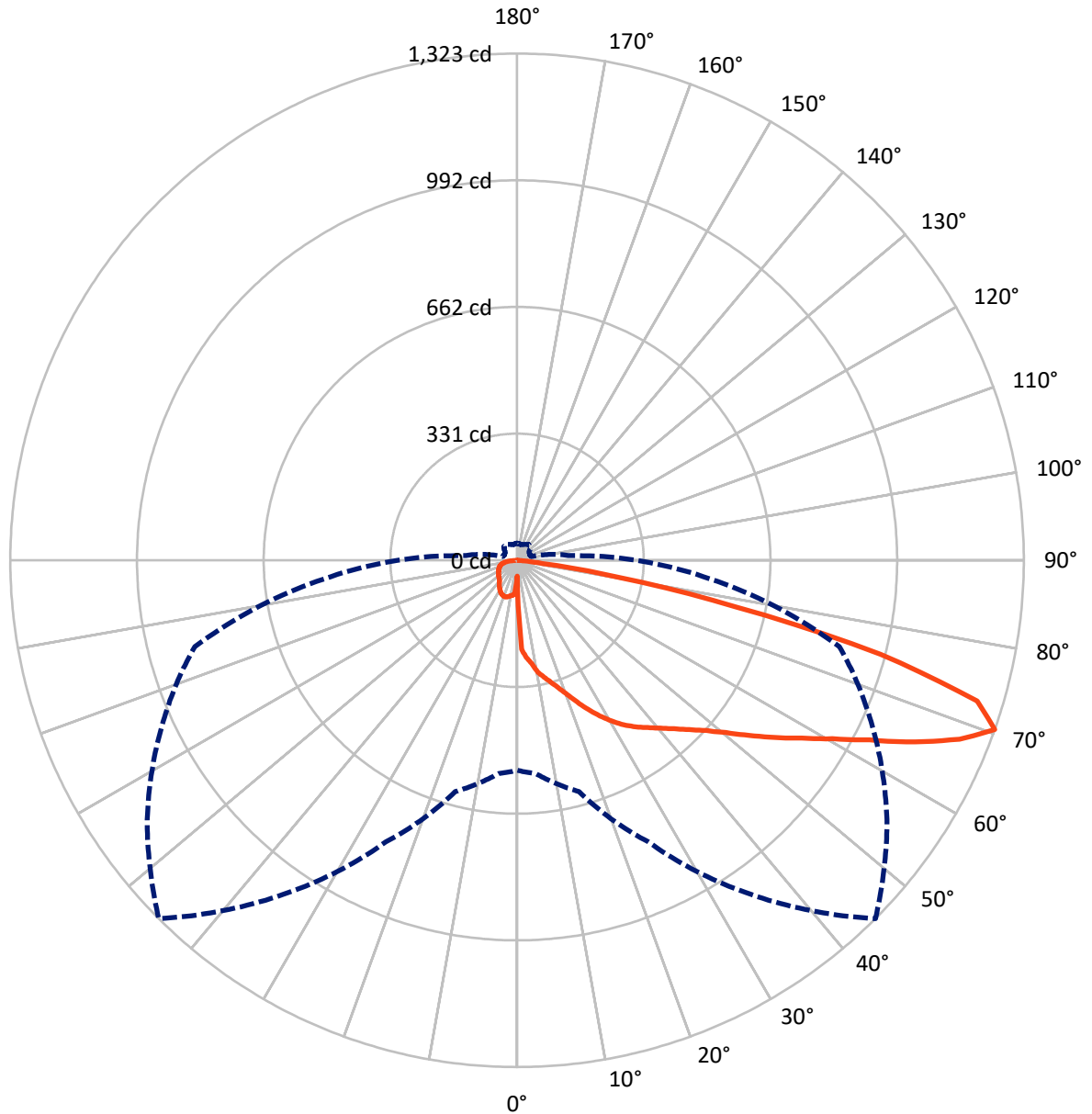
✕ Max cd  
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 22.8 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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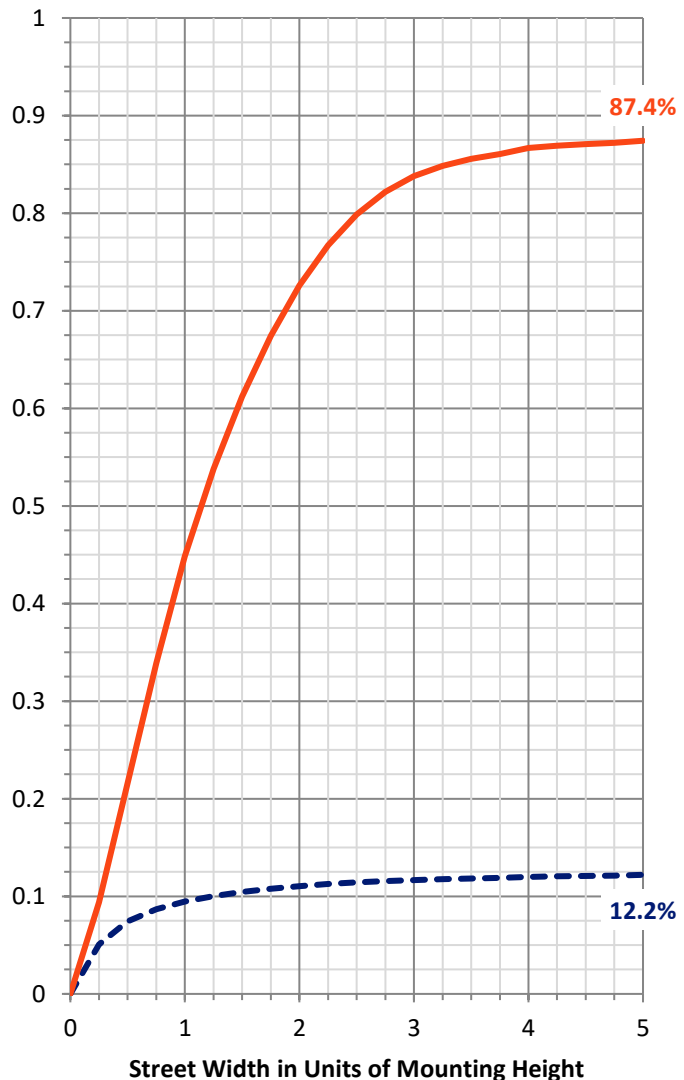
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	222.2	0.0	222.2
	% Fixture	12.4	0.0	12.4
<b>Street Side</b>	Lumens	1563.8	0.0	1563.8
	% Fixture	87.6	0.0	87.6
<b>Total</b>	Lumens	1786.0	0.0	1786.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.3	0.9
10°-20°	59.6	3.3
20°-30°	118.2	6.6
30°-40°	188.9	10.6
40°-50°	262.8	14.7
50°-60°	352.8	19.8
60°-70°	460.1	25.8
70°-80°	297.7	16.7
80°-90°	29.6	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°	1786.0	100.0
0°-180°	1786.0	100.0

**Coefficient of Utilization**



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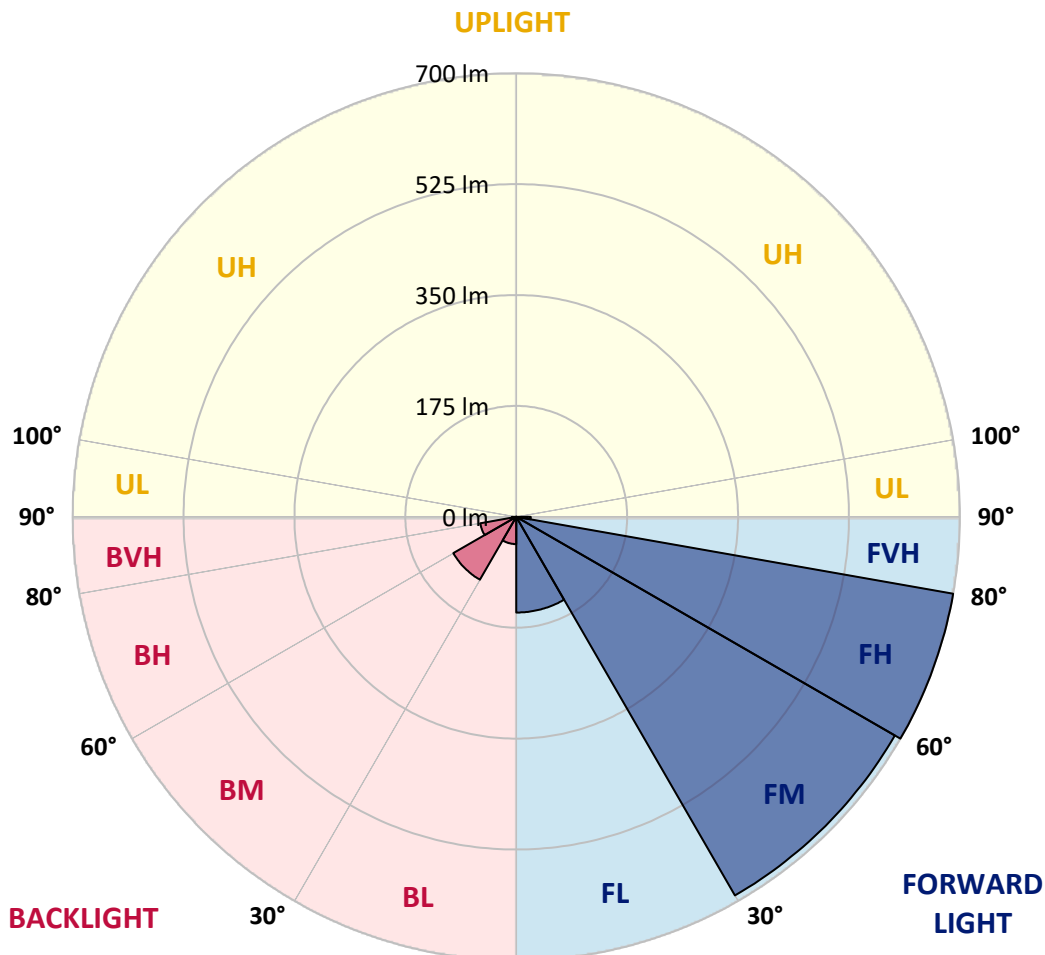
CATALOG NUMBER: BRT6-A4-730-U-T3-XX-BK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.1	8.5			
FM	(30°-60°)	689.9	38.6			
FH	(60°-80°)	700.0	39.2			G1/1800
FVH	(80°-90°)	22.8	1.3			G1/100
BL	(0°-30°)	43.0	2.4	B0/110		
BM	(30°-60°)	114.6	6.4	B0/220		
BH	(60°-80°)	57.8	3.2	B0/110		G0/110
BVH	(80°-90°)	6.8	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°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	278.0	279.0	279.0	273.0	244.0	233.0	210.0	191.0	171.0	151.0	142.0
5°	299.0	299.0	299.0	296.0	288.0	255.0	241.0	213.0	195.0	171.0	166.0
7.5°	319.0	320.0	319.0	316.0	311.0	272.0	260.0	224.0	209.0	177.0	171.0
10°	337.0	338.0	338.0	335.0	331.0	297.0	276.0	235.0	220.0	182.0	175.0
12.5°	357.0	358.0	357.0	354.0	348.0	313.0	290.0	255.0	229.0	187.0	179.0
15°	381.0	382.0	383.0	376.0	369.0	330.0	306.0	267.0	238.0	194.0	183.0
17.5°	408.0	408.0	408.0	404.0	394.0	350.0	321.0	280.0	249.0	202.0	187.0
20°	437.1	438.1	437.1	434.1	421.1	374.0	339.0	294.0	260.0	211.0	192.0
22.5°	463.1	466.1	467.1	462.1	451.1	402.0	361.0	309.0	273.0	221.0	198.0
25°	493.1	494.1	493.1	490.1	478.1	431.1	382.0	326.0	287.0	232.0	206.0
27.5°	519.1	521.1	520.1	515.1	507.1	460.1	405.0	346.0	302.0	244.0	217.0
30°	548.1	547.1	544.1	542.1	535.1	487.1	430.1	367.0	319.0	259.0	233.0
32.5°	570.1	570.1	566.1	564.1	557.1	512.1	452.1	387.0	338.0	281.0	253.0
35°	590.1	591.1	587.1	583.1	577.1	534.1	472.1	407.0	360.0	307.0	276.0
37.5°	609.1	610.1	609.1	602.1	596.1	554.1	493.1	430.1	384.0	335.0	297.0
40°	622.1	624.1	628.1	618.1	613.1	576.1	517.1	461.1	417.1	365.0	317.0
42.5°	618.1	620.1	633.1	633.1	631.1	601.1	545.1	497.1	452.1	396.0	336.0
45°	606.1	610.1	632.1	643.1	650.1	630.1	577.1	540.1	493.1	428.1	355.0
47.5°	592.1	594.1	623.1	644.1	671.1	664.1	614.1	583.1	544.1	459.1	372.0
50°	583.1	587.1	617.1	648.1	693.1	707.1	655.1	633.1	595.1	488.1	386.0
52.5°	591.1	597.1	623.1	661.1	720.1	759.1	700.1	684.1	648.1	511.1	399.0
55°	608.1	610.1	642.1	687.1	759.1	817.1	748.1	744.1	701.1	531.1	408.0
57.5°	629.1	631.1	671.1	720.1	806.1	876.1	802.1	803.1	753.1	548.1	415.1
60°	658.1	663.1	705.1	767.1	862.1	946.1	863.1	867.1	802.1	559.1	418.1
62.5°	678.1	686.1	734.1	817.1	929.1	1033.1	932.1	923.1	848.1	565.1	415.1
65°	670.1	673.1	739.1	854.1	999.1	1143.1	1017.1	974.1	884.1	561.1	402.0
67.5°	635.1	641.1	708.1	864.1	1054.1	1246.2	1107.1	1014.1	904.1	541.1	369.0
70°	548.1	559.1	625.1	811.1	1065.1	1323.2	1179.1	1023.1	871.1	488.1	311.0
72.5°	329.0	352.0	416.1	571.1	907.1	1256.2	1162.1	923.1	737.1	378.0	209.0
75°	167.0	172.0	193.0	285.0	560.1	980.1	994.1	722.1	539.1	220.0	118.0
77.5°	78.0	79.0	91.0	128.0	278.0	584.1	751.1	529.1	343.0	113.0	63.0
80°	43.0	46.0	49.0	63.0	86.0	268.0	473.1	321.0	195.0	50.0	28.0
82.5°	29.0	29.0	30.0	32.0	41.0	65.0	159.0	124.0	75.0	20.0	14.0
85°	11.0	12.0	13.0	14.0	16.0	17.0	18.0	17.0	12.0	7.0	5.0
87.5°	5.0	5.0	5.0	6.0	5.0	5.0	5.0	4.0	4.0	3.0	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°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	134.0	123.0	99.0	88.0	65.0	60.0	44.0	32.0	17.0	13.0
5°	153.0	132.0	117.0	97.0	88.0	63.0	59.0	34.0	36.0	51.0
7.5°	159.0	134.0	124.0	99.0	92.0	64.0	60.0	36.0	44.0	52.0
10°	167.0	136.0	125.0	100.0	93.0	65.0	61.0	40.0	55.0	55.0
12.5°	170.0	138.0	127.0	101.0	96.0	67.0	63.0	49.0	57.0	58.0
15°	173.0	139.0	129.0	104.0	98.0	70.0	65.0	58.0	58.0	59.0
17.5°	176.0	141.0	133.0	106.0	100.0	73.0	65.0	59.0	58.0	59.0
20°	179.0	145.0	137.0	108.0	100.0	77.0	65.0	59.0	58.0	59.0
22.5°	185.0	151.0	142.0	109.0	99.0	78.0	63.0	58.0	57.0	58.0
25°	193.0	160.0	145.0	110.0	97.0	77.0	62.0	57.0	55.0	56.0
27.5°	205.0	171.0	147.0	111.0	94.0	76.0	60.0	55.0	53.0	54.0
30°	222.0	181.0	146.0	109.0	90.0	74.0	58.0	53.0	52.0	53.0
32.5°	242.0	188.0	143.0	105.0	86.0	72.0	56.0	51.0	50.0	51.0
35°	259.0	190.0	136.0	98.0	82.0	70.0	54.0	49.0	49.0	50.0
37.5°	273.0	188.0	126.0	92.0	77.0	67.0	52.0	48.0	48.0	48.0
40°	284.0	182.0	115.0	85.0	72.0	64.0	51.0	47.0	47.0	48.0
42.5°	292.0	173.0	105.0	80.0	69.0	63.0	50.0	46.0	46.0	47.0
45°	298.0	162.0	96.0	74.0	66.0	61.0	48.0	44.0	44.0	45.0
47.5°	304.0	151.0	87.0	70.0	65.0	60.0	46.0	44.0	44.0	45.0
50°	307.0	140.0	80.0	67.0	63.0	57.0	45.0	44.0	46.0	46.0
52.5°	309.0	130.0	73.0	63.0	62.0	56.0	46.0	46.0	47.0	48.0
55°	307.0	117.0	66.0	59.0	59.0	56.0	47.0	47.0	48.0	48.0
57.5°	298.0	102.0	59.0	56.0	57.0	57.0	48.0	47.0	48.0	49.0
60°	286.0	86.0	54.0	53.0	56.0	57.0	49.0	47.0	49.0	49.0
62.5°	264.0	69.0	48.0	49.0	55.0	57.0	49.0	46.0	49.0	49.0
65°	230.0	55.0	43.0	45.0	53.0	56.0	48.0	45.0	47.0	48.0
67.5°	188.0	46.0	39.0	41.0	51.0	55.0	47.0	44.0	45.0	47.0
70°	139.0	39.0	36.0	38.0	49.0	51.0	46.0	42.0	44.0	45.0
72.5°	91.0	33.0	32.0	35.0	47.0	47.0	44.0	40.0	42.0	44.0
75°	53.0	26.0	26.0	31.0	44.0	43.0	42.0	34.0	37.0	41.0
77.5°	33.0	20.0	22.0	26.0	41.0	40.0	39.0	29.0	32.0	38.0
80°	16.0	15.0	16.0	22.0	35.0	35.0	36.0	25.0	28.0	35.0
82.5°	9.0	9.0	11.0	15.0	31.0	30.0	31.0	21.0	24.0	31.0
85°	5.0	6.0	6.0	10.0	21.0	19.0	26.0	15.0	18.0	24.0
87.5°	2.0	2.0	1.0	1.0	3.0	1.0	3.0	2.0	6.0	8.0
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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Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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)