

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-A3-750-U-T5S-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 (G3-2006-849-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/14/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: BRT6-A3-750-U-T5S-XX-BK  
Description: BOLLARD 6INCH ROUND BASE, 3000LM, TYPE V SQUARE SYMMETRICAL, BLACK FINISH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3338 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G1

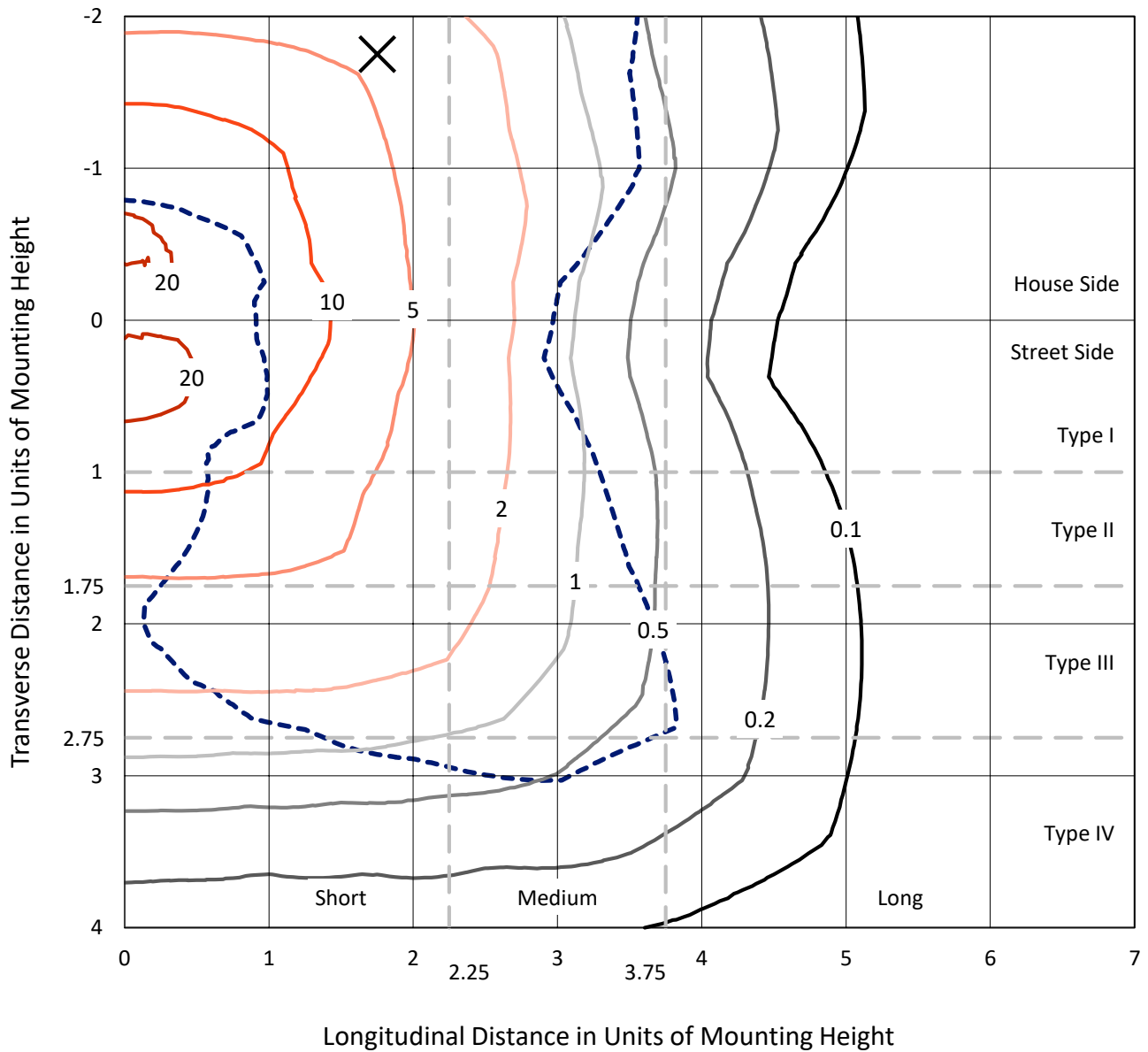
Input Watts (W): 34.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

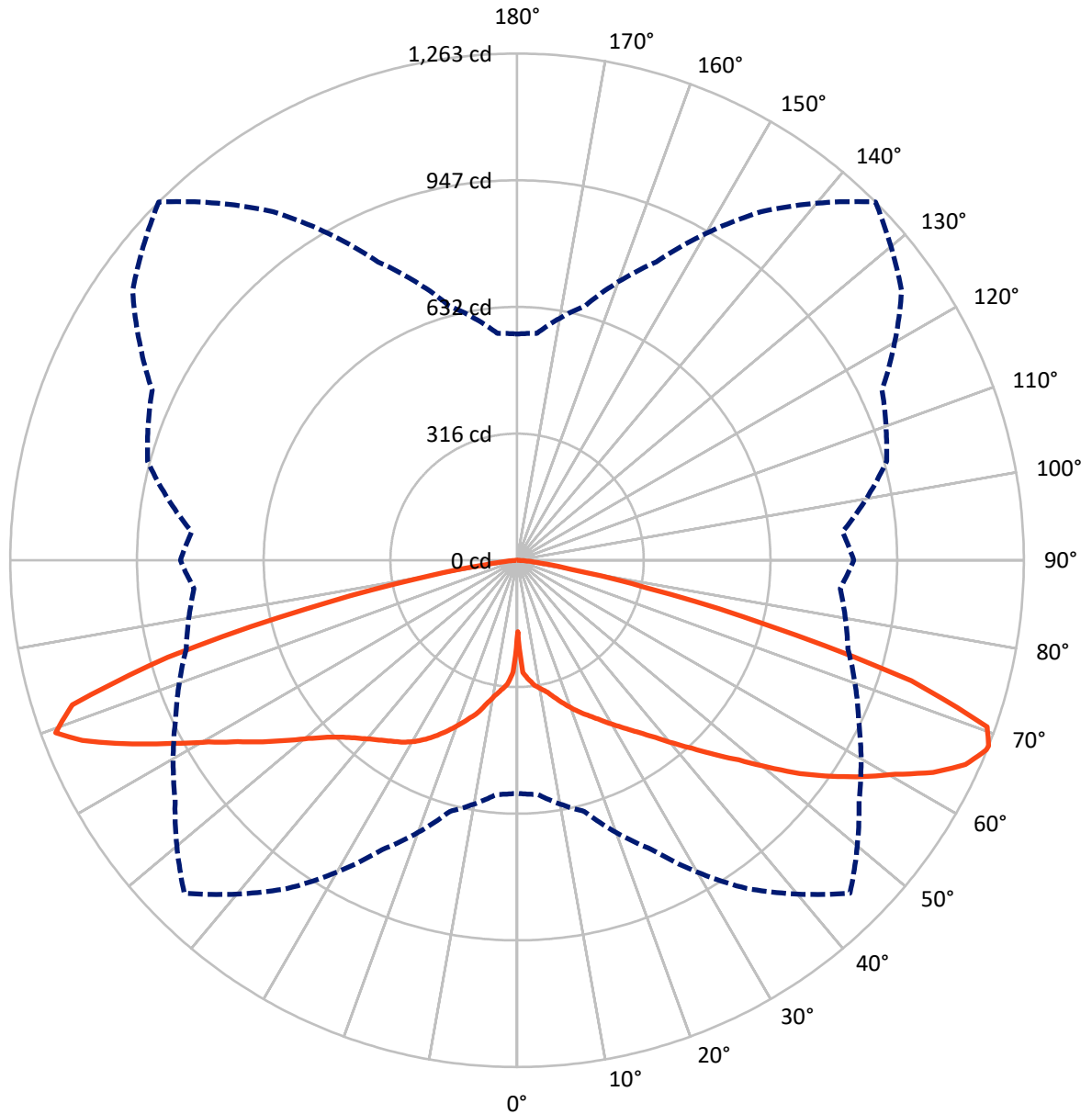
✕ Max cd  
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 23.7 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



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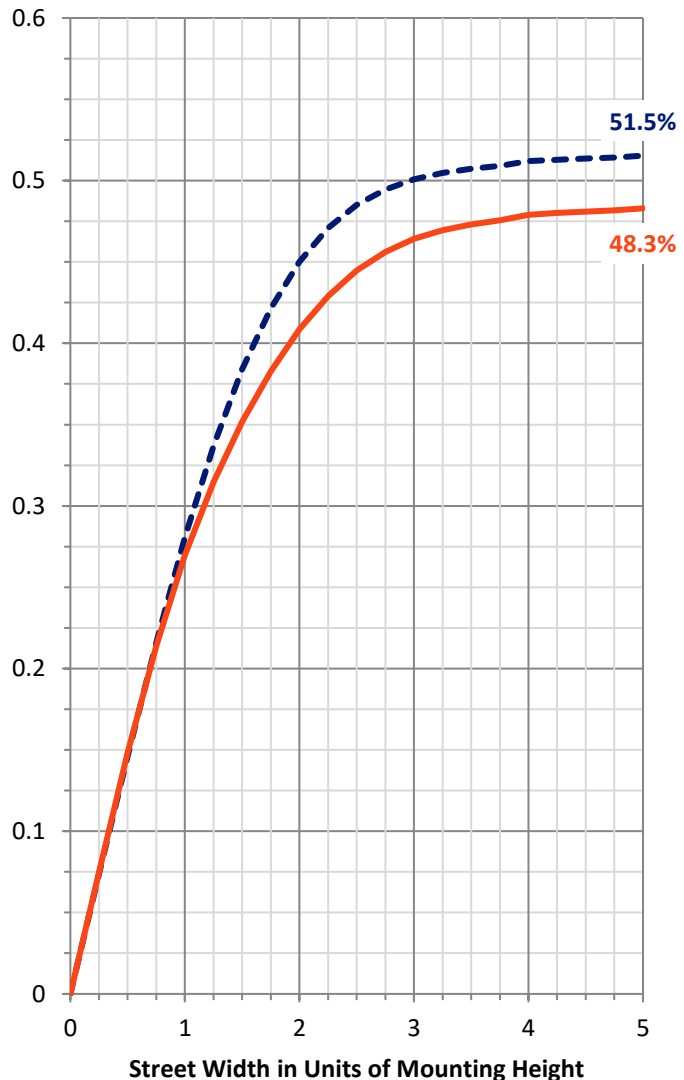
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1722.6	0.0	1722.6
	% Fixture	51.6	0.0	51.6
<b>Street Side</b>	Lumens	1615.4	0.0	1615.4
	% Fixture	48.4	0.0	48.4
<b>Total</b>	Lumens	3338.0	0.0	3338.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.0	0.9
10°-20°	103.2	3.1
20°-30°	206.0	6.2
30°-40°	340.3	10.2
40°-50°	505.1	15.1
50°-60°	708.6	21.2
60°-70°	884.2	26.5
70°-80°	516.0	15.5
80°-90°	45.7	1.4
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°	3338.0	100.0
0°-180°	3338.0	100.0

**Coefficient of Utilization**



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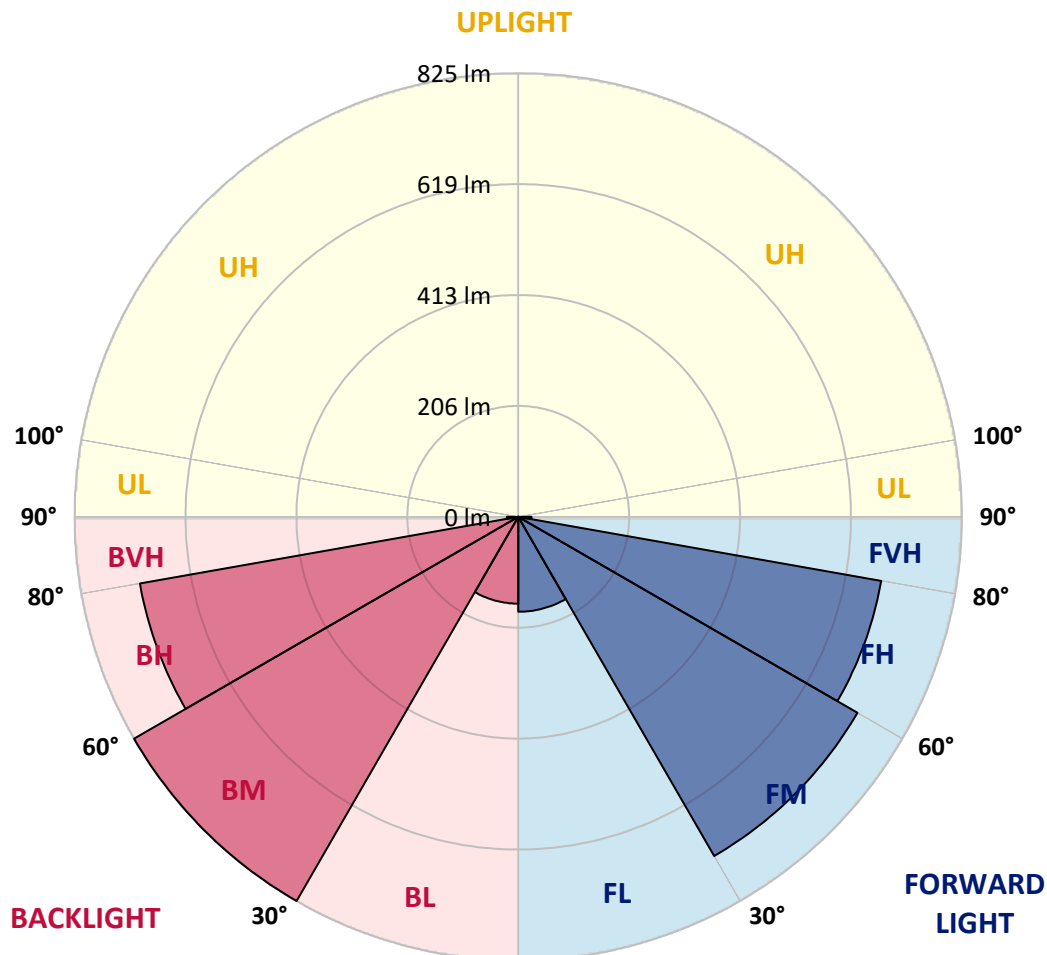
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.6	5.3			
FM (30°-60°)	728.6	21.8			
FH (60°-80°)	685.6	20.5			G1/1800
FVH (80°-90°)	24.5	0.7			G1/100
BL (0°-30°)	161.5	4.8	B1/500		
BM (30°-60°)	825.3	24.7	B1/1000		
BH (60°-80°)	714.6	21.4	B2/1000		G1/1800
BVH (80°-90°)	21.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9
2.5°	252.6	254.3	276.1	280.3	275.3	277.8	272.8	274.4	267.7	272.8	268.6
5°	315.6	297.1	297.9	320.6	313.1	309.7	298.8	305.5	288.7	297.9	295.4
7.5°	336.6	320.6	318.9	340.7	339.1	325.6	320.6	316.4	308.9	307.2	306.3
10°	356.7	356.7	344.9	360.1	359.2	343.3	337.4	329.0	322.3	314.7	313.1
12.5°	376.8	376.0	373.5	379.4	382.7	365.1	354.2	340.7	337.4	323.1	321.4
15°	400.3	398.7	397.0	399.5	407.1	392.8	371.0	355.9	350.0	332.4	329.0
17.5°	427.2	426.4	424.7	425.5	431.4	412.9	388.6	373.5	363.4	342.4	338.2
20°	450.7	449.0	449.9	451.5	458.2	434.7	405.4	393.6	378.5	356.7	349.1
22.5°	472.5	472.5	473.4	475.0	484.3	457.4	427.2	415.4	396.1	371.8	362.6
25°	493.5	493.5	496.9	498.5	507.8	479.2	448.2	437.3	416.3	389.4	378.5
27.5°	515.3	513.6	514.5	517.0	528.7	500.2	468.3	457.4	436.4	411.2	400.3
30°	533.8	532.1	532.9	535.5	548.9	518.7	487.6	475.0	457.4	441.5	431.4
32.5°	549.7	548.1	548.1	551.4	565.7	534.6	504.4	492.7	481.7	480.1	470.0
35°	564.0	561.5	564.0	565.7	579.1	547.2	516.2	508.6	505.2	517.8	509.4
37.5°	576.6	574.1	578.3	576.6	590.0	561.5	527.1	524.6	531.3	556.4	549.7
40°	585.8	585.0	593.4	589.2	601.8	577.4	542.2	543.9	559.8	596.7	591.7
42.5°	579.9	580.8	595.9	600.9	613.5	595.9	561.5	568.2	591.7	642.1	634.5
45°	569.9	573.2	590.9	607.6	627.8	617.7	587.5	595.1	627.8	687.4	680.7
47.5°	551.4	554.8	582.5	607.6	642.9	646.2	613.5	627.8	667.2	732.7	726.0
50°	543.9	547.2	576.6	609.3	660.5	683.2	647.9	666.4	704.2	773.8	769.6
52.5°	548.9	555.6	582.5	621.1	684.9	728.5	679.8	705.0	741.9	811.6	809.9
55°	564.8	568.2	600.1	644.6	720.9	778.9	720.1	745.3	778.9	846.0	846.8
57.5°	585.0	587.5	623.6	677.3	763.7	830.1	762.1	791.4	809.1	873.7	877.1
60°	611.8	614.4	655.5	719.3	814.1	892.2	813.3	841.8	831.7	894.7	900.6
62.5°	632.8	635.3	681.5	762.9	877.9	971.9	872.9	883.8	846.0	900.6	911.5
65°	623.6	626.1	684.0	794.8	942.5	1062.5	948.4	914.0	856.1	879.6	899.7
67.5°	593.4	597.6	656.3	800.7	991.2	1154.9	1026.4	935.8	856.1	826.7	852.7
68°	580.8	585.8	647.9	795.6	998.7	1173.3	1040.7	939.2	853.6	808.2	839.3
70°	515.3	518.7	584.1	746.1	1003.8	1227.9	1096.1	941.7	823.3	713.4	749.5
72.5°	327.3	333.2	380.2	540.5	841.0	1165.8	1086.0	854.4	701.6	521.2	538.0
75°	171.2	168.7	195.6	287.9	528.7	903.1	928.2	667.2	508.6	293.7	300.5
77.5°	89.8	87.3	96.5	136.0	258.5	538.0	677.3	480.1	314.7	148.6	160.3
80°	58.7	57.1	58.7	73.9	105.7	257.7	402.0	294.6	182.1	62.9	63.8
82.5°	42.8	38.6	41.1	46.2	56.2	78.1	141.8	120.9	78.9	26.0	28.5
85°	23.5	21.0	20.1	26.9	26.0	28.5	22.7	18.5	15.1	10.1	10.1
87.5°	13.4	8.4	6.7	8.4	6.7	6.7	5.9	5.0	5.9	4.2	4.2
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°	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9
2.5°	270.2	277.0	274.4	273.6	280.3	281.2	281.2	270.2	260.2	267.7
5°	289.6	294.6	294.6	298.8	297.9	301.3	297.9	279.5	285.4	278.6
7.5°	308.0	303.0	308.9	307.2	314.7	308.0	304.7	290.4	291.2	299.6
10°	316.4	310.5	317.2	314.7	325.6	320.6	313.9	300.5	299.6	308.9
12.5°	326.5	318.1	328.2	324.8	337.4	334.9	326.5	313.9	313.9	322.3
15°	336.6	327.3	340.7	338.2	355.9	353.3	344.9	331.5	335.7	340.7
17.5°	345.8	338.2	355.9	354.2	375.2	373.5	365.9	353.3	359.2	360.9
20°	357.5	350.8	372.6	373.5	394.5	395.3	386.1	377.7	381.9	384.4
22.5°	372.6	369.3	393.6	391.1	413.8	417.1	409.6	404.5	408.7	412.1
25°	392.8	391.9	413.8	409.6	431.4	441.5	433.9	433.9	439.8	443.1
27.5°	422.2	416.3	434.7	429.7	452.4	468.3	462.4	467.5	471.7	475.9
30°	455.7	443.1	455.7	450.7	475.9	496.0	494.3	501.1	507.8	512.0
32.5°	493.5	471.7	476.7	471.7	500.2	524.6	527.1	538.8	545.5	548.1
35°	534.6	501.1	500.2	495.2	527.9	558.1	564.8	579.9	584.1	587.5
37.5°	574.9	530.4	526.2	522.9	560.6	595.9	600.9	620.2	621.1	621.9
40°	613.5	563.2	559.0	557.3	599.2	632.0	642.1	658.0	658.0	655.5
42.5°	651.3	595.9	596.7	595.9	641.2	673.9	682.3	692.4	688.2	687.4
45°	694.1	626.9	639.5	641.2	690.7	717.6	718.4	726.0	724.3	722.6
47.5°	739.4	658.8	687.4	688.2	743.6	767.9	758.7	762.9	761.2	757.9
50°	786.4	694.1	734.4	739.4	809.9	817.5	799.0	799.8	797.3	792.3
52.5°	826.7	734.4	778.9	792.3	882.9	878.7	844.3	837.6	830.1	821.7
55°	864.5	777.2	823.3	850.2	950.1	935.8	889.6	871.2	851.0	846.0
57.5°	890.5	814.9	869.5	899.7	1017.2	995.4	929.1	888.8	851.9	843.5
60°	902.2	854.4	923.2	955.9	1082.7	1046.6	955.1	883.8	833.4	822.5
62.5°	892.2	889.6	965.2	1020.6	1164.1	1085.2	954.3	855.2	787.2	775.5
65°	867.0	922.4	994.6	1091.9	1227.9	1093.6	919.0	787.2	700.8	687.4
67.5°	823.3	950.1	1003.8	1158.2	1261.4	1071.8	844.3	677.3	593.4	582.5
68°	814.1	953.4	1003.8	1170.0	1263.1	1060.9	820.8	657.2	568.2	564.0
70°	749.5	951.7	1001.3	1212.8	1243.0	964.3	695.8	517.8	450.7	434.7
72.5°	582.5	843.5	907.3	1132.2	1027.3	673.1	422.2	289.6	256.0	241.7
75°	354.2	618.6	673.9	853.6	642.9	362.6	227.4	158.6	142.7	142.7
77.5°	193.9	386.1	450.7	573.2	329.8	193.0	126.7	94.0	89.0	94.8
80°	78.9	204.8	267.7	275.3	136.0	95.7	79.7	58.7	57.9	60.4
82.5°	30.2	80.6	89.0	70.5	58.7	56.2	50.4	39.4	37.8	44.5
85°	10.1	15.1	18.5	19.3	29.4	31.1	33.6	23.5	22.7	29.4
87.5°	5.0	5.9	5.0	5.9	6.7	6.7	6.7	6.7	7.6	14.3
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  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





— Vertical Plane Through 135-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical



--- HS — SS



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0°

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

Scaled Data Report





(END OF REPORT)