

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-A3-830-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-A3-830-U-T5S-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 3000LM, TYPE V SQUARE SYMMETRICAL, BLACK FINISH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2653 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

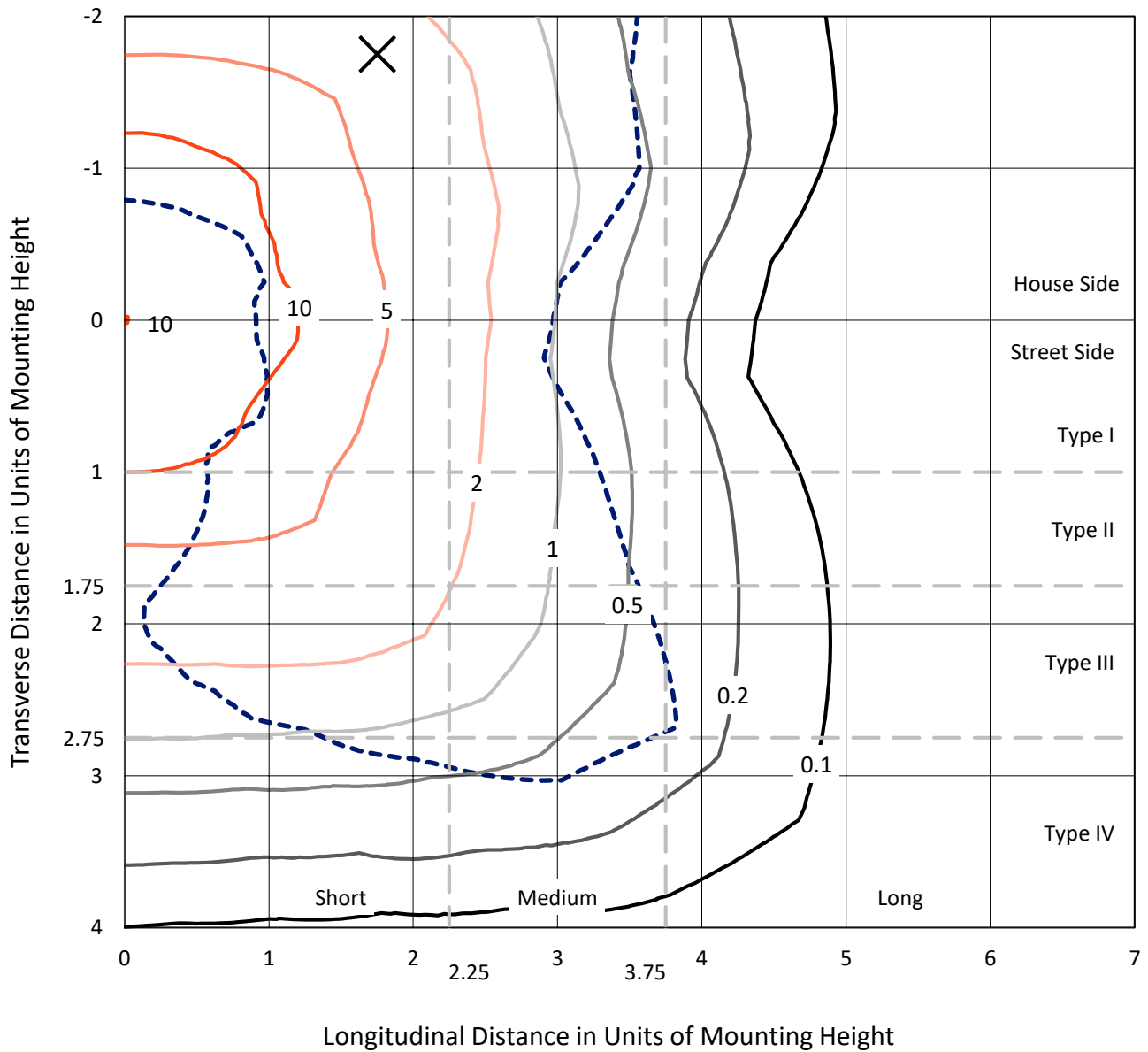
Input Watts (W): 34.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

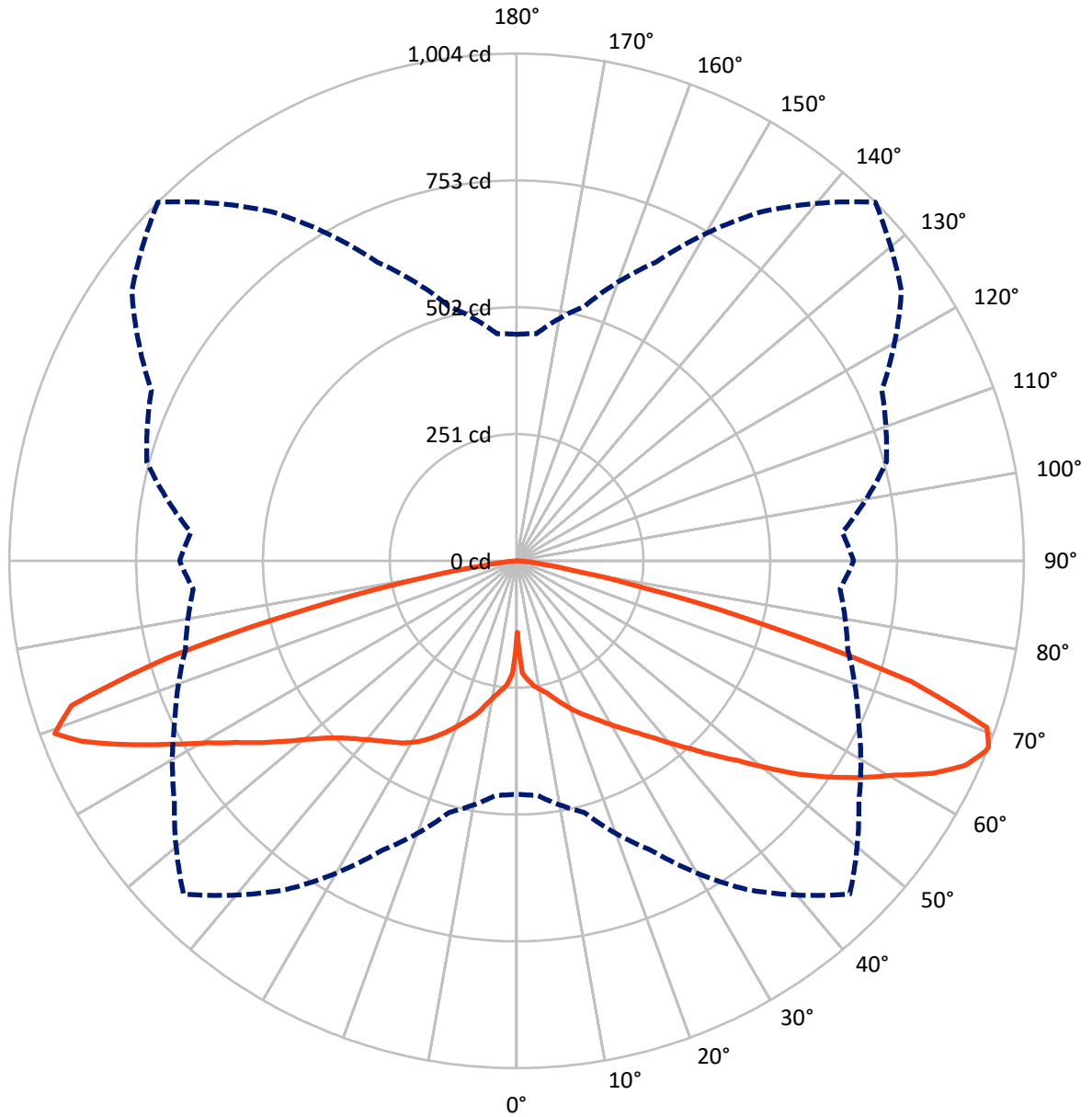
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 18.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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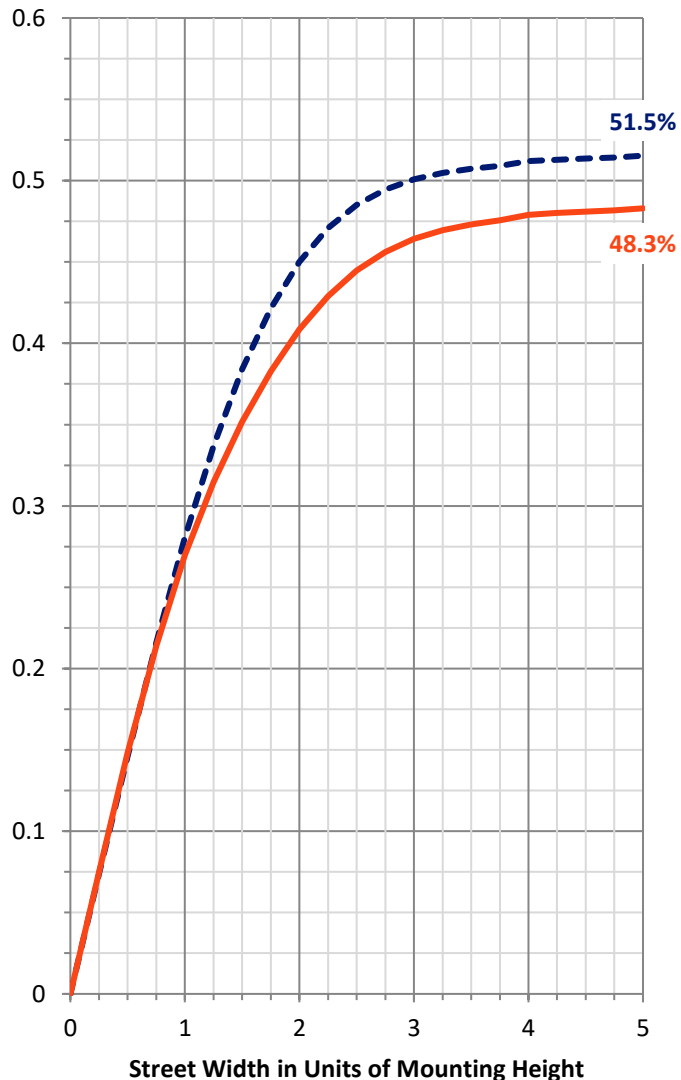
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1369.1	0.0	1369.1
	% Fixture	51.6	0.0	51.6
Street Side	Lumens	1283.9	0.0	1283.9
	% Fixture	48.4	0.0	48.4
Total	Lumens	2653.0	0.0	2653.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.9
10°-20°	82.0	3.1
20°-30°	163.7	6.2
30°-40°	270.4	10.2
40°-50°	401.4	15.1
50°-60°	563.2	21.2
60°-70°	702.8	26.5
70°-80°	410.1	15.5
80°-90°	36.3	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°	2653.0	100.0
0°-180°	2653.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

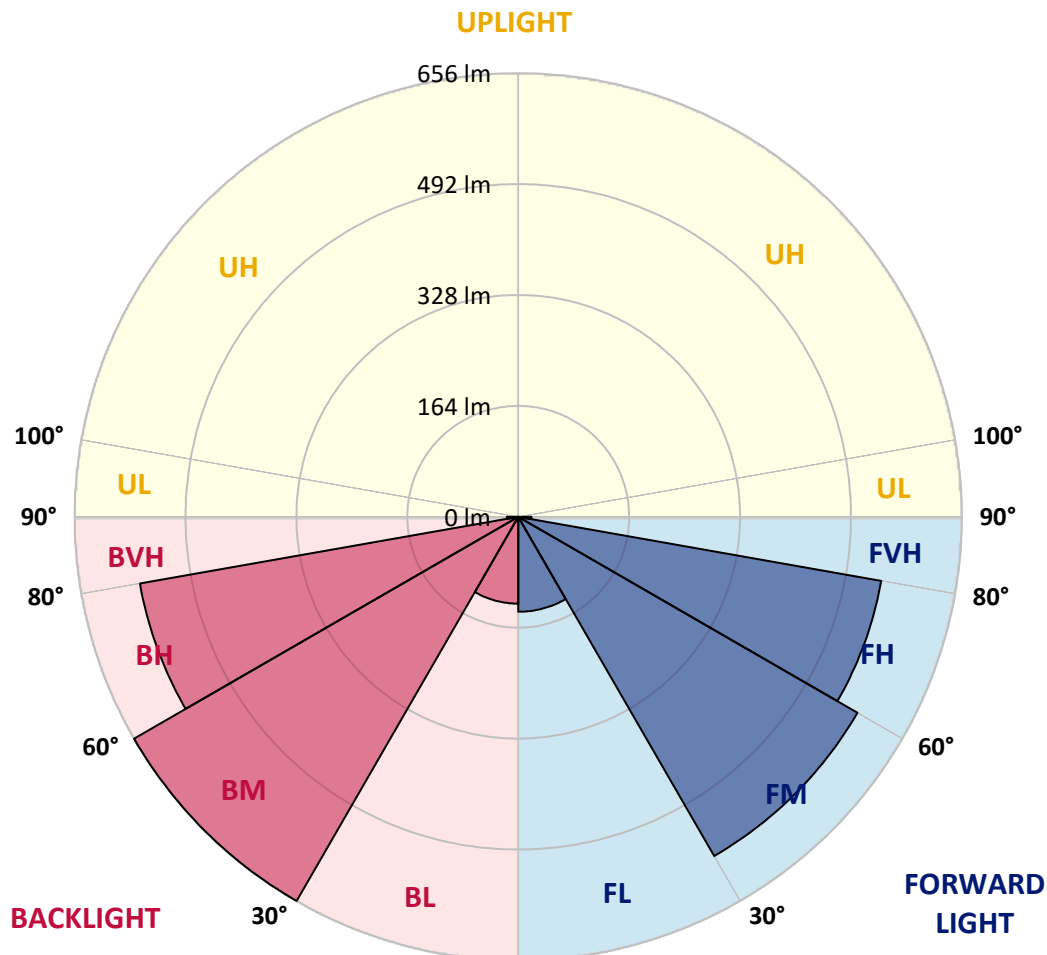
CATALOG NUMBER: BRT6-A3-830-U-T5S-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.4	5.3			
FM (30°-60°)	579.1	21.8			
FH (60°-80°)	544.9	20.5			G0/660
FVH (80°-90°)	19.5	0.7			G1/100
BL (0°-30°)	128.4	4.8	B1/500		
BM (30°-60°)	655.9	24.7	B1/1000		
BH (60°-80°)	568.0	21.4	B2/1000		G0/660
BVH (80°-90°)	16.8	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°	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4
2.5°	200.8	202.1	219.5	222.8	218.8	220.8	216.8	218.1	212.8	216.8	213.5
5°	250.8	236.1	236.8	254.8	248.8	246.1	237.5	242.8	229.5	236.8	234.8
7.5°	267.5	254.8	253.5	270.8	269.5	258.8	254.8	251.5	245.5	244.1	243.5
10°	283.5	283.5	274.2	286.2	285.5	272.8	268.2	261.5	256.1	250.1	248.8
12.5°	299.5	298.8	296.8	301.5	304.2	290.2	281.5	270.8	268.2	256.8	255.5
15°	318.2	316.9	315.5	317.5	323.5	312.2	294.8	282.8	278.2	264.2	261.5
17.5°	339.5	338.9	337.5	338.2	342.9	328.2	308.8	296.8	288.8	272.2	268.8
20°	358.2	356.9	357.5	358.9	364.2	345.5	322.2	312.8	300.8	283.5	277.5
22.5°	375.6	375.6	376.2	377.6	384.9	363.5	339.5	330.2	314.8	295.5	288.2
25°	392.2	392.2	394.9	396.2	403.6	380.9	356.2	347.5	330.9	309.5	300.8
27.5°	409.6	408.2	408.9	410.9	420.2	397.6	372.2	363.5	346.9	326.9	318.2
30°	424.2	422.9	423.6	425.6	436.3	412.2	387.6	377.6	363.5	350.9	342.9
32.5°	436.9	435.6	435.6	438.3	449.6	424.9	400.9	391.6	382.9	381.6	373.5
35°	448.3	446.3	448.3	449.6	460.3	434.9	410.2	404.2	401.6	411.6	404.9
37.5°	458.3	456.3	459.6	458.3	468.9	446.3	418.9	416.9	422.2	442.3	436.9
40°	465.6	464.9	471.6	468.3	478.3	458.9	430.9	432.3	444.9	474.3	470.3
42.5°	460.9	461.6	473.6	477.6	487.6	473.6	446.3	451.6	470.3	510.3	504.3
45°	452.9	455.6	469.6	482.9	499.0	491.0	466.9	472.9	499.0	546.3	541.0
47.5°	438.3	440.9	462.9	482.9	511.0	513.6	487.6	499.0	530.3	582.3	577.0
50°	432.3	434.9	458.3	484.3	525.0	543.0	515.0	529.6	559.7	615.0	611.7
52.5°	436.3	441.6	462.9	493.6	544.3	579.0	540.3	560.3	589.7	645.0	643.7
55°	448.9	451.6	476.9	512.3	573.0	619.0	572.3	592.3	619.0	672.4	673.1
57.5°	464.9	466.9	495.6	538.3	607.0	659.7	605.7	629.0	643.0	694.4	697.1
60°	486.3	488.3	521.0	571.7	647.0	709.1	646.4	669.1	661.0	711.1	715.7
62.5°	503.0	505.0	541.6	606.4	697.7	772.4	693.7	702.4	672.4	715.7	724.4
65°	495.6	497.6	543.6	631.7	749.1	844.5	753.8	726.4	680.4	699.1	715.1
67.5°	471.6	474.9	521.6	636.4	787.8	917.9	815.8	743.8	680.4	657.0	677.7
68°	461.6	465.6	515.0	632.4	793.8	932.5	827.1	746.4	678.4	642.4	667.1
70°	409.6	412.2	464.3	593.0	797.8	975.9	871.2	748.4	654.4	567.0	595.7
72.5°	260.2	264.8	302.2	429.6	668.4	926.5	863.2	679.1	557.7	414.2	427.6
75°	136.1	134.1	155.4	228.8	420.2	717.7	737.8	530.3	404.2	233.5	238.8
77.5°	71.4	69.4	76.7	108.1	205.5	427.6	538.3	381.6	250.1	118.1	127.4
80°	46.7	45.4	46.7	58.7	84.0	204.8	319.5	234.1	144.8	50.0	50.7
82.5°	34.0	30.7	32.7	36.7	44.7	62.0	112.7	96.1	62.7	20.7	22.7
85°	18.7	16.7	16.0	21.3	20.7	22.7	18.0	14.7	12.0	8.0	8.0
87.5°	10.7	6.7	5.3	6.7	5.3	5.3	4.7	4.0	4.7	3.3	3.3
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°	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4
2.5°	214.8	220.1	218.1	217.5	222.8	223.5	223.5	214.8	206.8	212.8
5°	230.1	234.1	234.1	237.5	236.8	239.5	236.8	222.1	226.8	221.5
7.5°	244.8	240.8	245.5	244.1	250.1	244.8	242.1	230.8	231.5	238.1
10°	251.5	246.8	252.1	250.1	258.8	254.8	249.5	238.8	238.1	245.5
12.5°	259.5	252.8	260.8	258.1	268.2	266.2	259.5	249.5	249.5	256.1
15°	267.5	260.2	270.8	268.8	282.8	280.8	274.2	263.5	266.8	270.8
17.5°	274.8	268.8	282.8	281.5	298.2	296.8	290.8	280.8	285.5	286.8
20°	284.2	278.8	296.2	296.8	313.5	314.2	306.8	300.2	303.5	305.5
22.5°	296.2	293.5	312.8	310.8	328.9	331.5	325.5	321.5	324.9	327.5
25°	312.2	311.5	328.9	325.5	342.9	350.9	344.9	344.9	349.5	352.2
27.5°	335.5	330.9	345.5	341.5	359.5	372.2	367.5	371.5	374.9	378.2
30°	362.2	352.2	362.2	358.2	378.2	394.2	392.9	398.2	403.6	406.9
32.5°	392.2	374.9	378.9	374.9	397.6	416.9	418.9	428.2	433.6	435.6
35°	424.9	398.2	397.6	393.6	419.6	443.6	448.9	460.9	464.3	466.9
37.5°	456.9	421.6	418.2	415.6	445.6	473.6	477.6	493.0	493.6	494.3
40°	487.6	447.6	444.3	442.9	476.3	502.3	510.3	523.0	523.0	521.0
42.5°	517.6	473.6	474.3	473.6	509.6	535.6	542.3	550.3	547.0	546.3
45°	551.7	498.3	508.3	509.6	549.0	570.3	571.0	577.0	575.7	574.3
47.5°	587.7	523.6	546.3	547.0	591.0	610.4	603.0	606.4	605.0	602.3
50°	625.0	551.7	583.7	587.7	643.7	649.7	635.0	635.7	633.7	629.7
52.5°	657.0	583.7	619.0	629.7	701.7	698.4	671.1	665.7	659.7	653.0
55°	687.1	617.7	654.4	675.7	755.1	743.8	707.1	692.4	676.4	672.4
57.5°	707.7	647.7	691.1	715.1	808.5	791.1	738.4	706.4	677.1	670.4
60°	717.1	679.1	733.8	759.8	860.5	831.8	759.1	702.4	662.4	653.7
62.5°	709.1	707.1	767.1	811.1	925.2	862.5	758.4	679.7	625.7	616.4
65°	689.1	733.1	790.5	867.8	975.9	869.2	730.4	625.7	557.0	546.3
67.5°	654.4	755.1	797.8	920.5	1002.6	851.8	671.1	538.3	471.6	462.9
68°	647.0	757.8	797.8	929.9	1003.9	843.2	652.4	522.3	451.6	448.3
70°	595.7	756.4	795.8	963.9	987.9	766.4	553.0	411.6	358.2	345.5
72.5°	462.9	670.4	721.1	899.9	816.5	535.0	335.5	230.1	203.5	192.1
75°	281.5	491.6	535.6	678.4	511.0	288.2	180.8	126.1	113.4	113.4
77.5°	154.1	306.8	358.2	455.6	262.2	153.4	100.7	74.7	70.7	75.4
80°	62.7	162.8	212.8	218.8	108.1	76.0	63.4	46.7	46.0	48.0
82.5°	24.0	64.0	70.7	56.0	46.7	44.7	40.0	31.4	30.0	35.4
85°	8.0	12.0	14.7	15.3	23.3	24.7	26.7	18.7	18.0	23.3
87.5°	4.0	4.7	4.0	4.7	5.3	5.3	5.3	5.3	6.0	11.3
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

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



--- HS — SS



0°

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

Scaled Data Report





(END OF REPORT)