

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-A2-750-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-A2-750-U-T5S-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 2000LM, 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: 2230 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

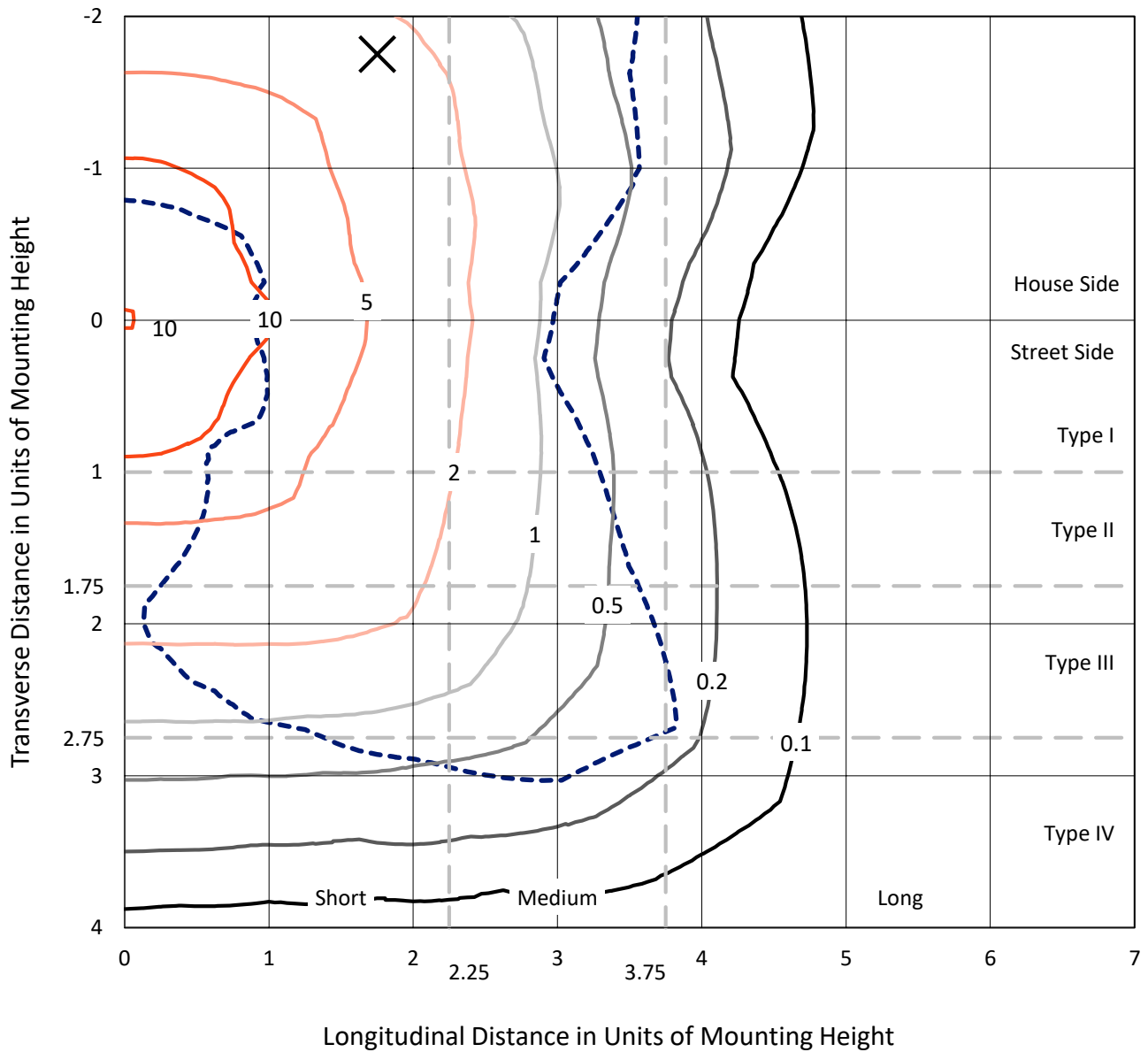
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

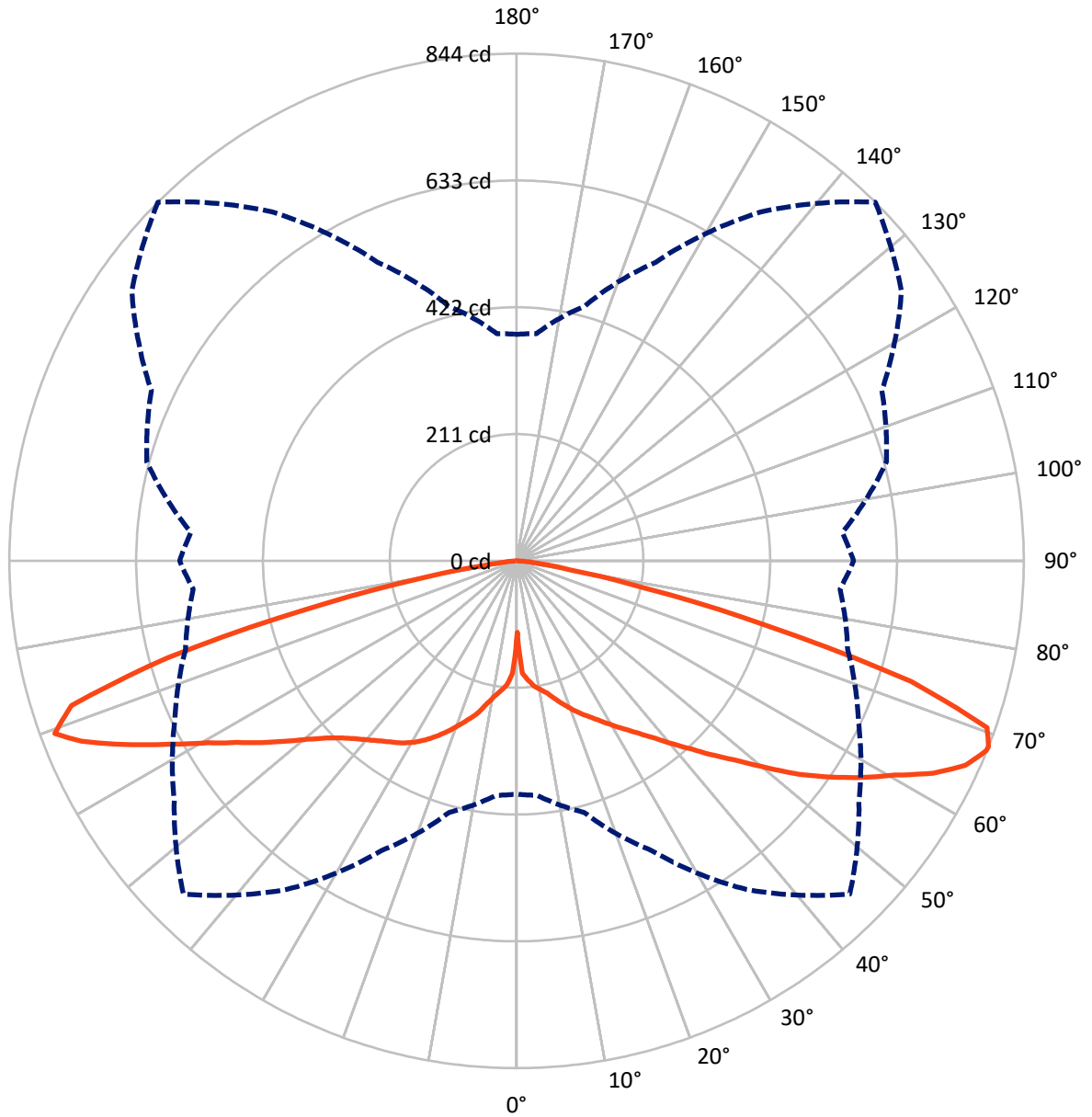
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 15.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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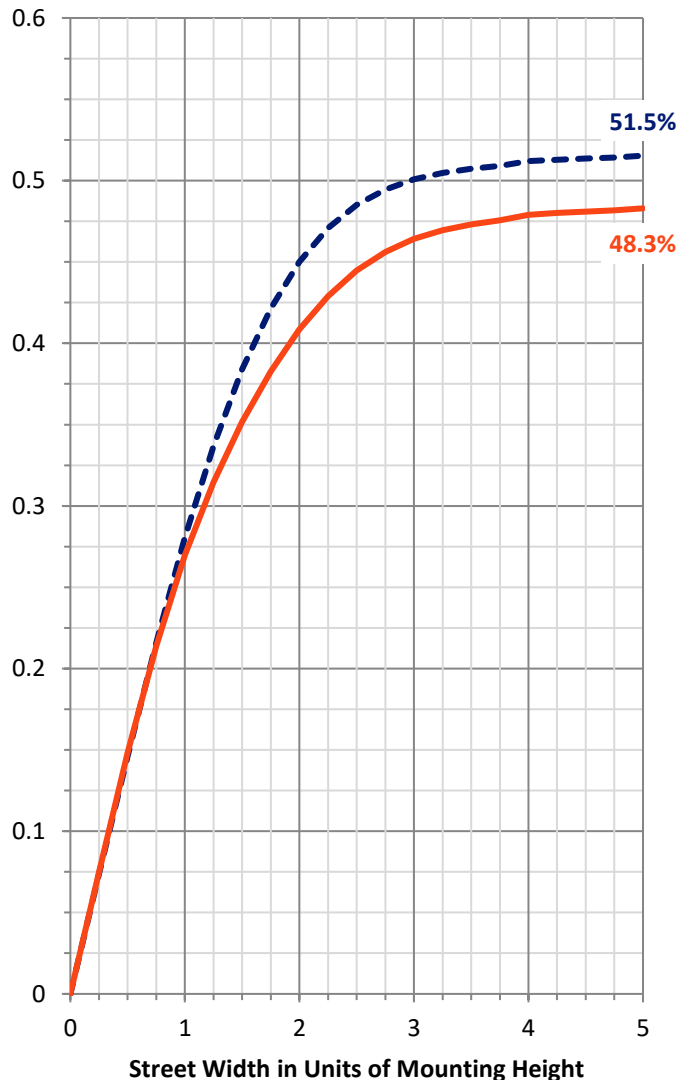
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1150.8	0.0	1150.8
	% Fixture	51.6	0.0	51.6
Street Side	Lumens	1079.2	0.0	1079.2
	% Fixture	48.4	0.0	48.4
Total	Lumens	2230.0	0.0	2230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.9
10°-20°	69.0	3.1
20°-30°	137.6	6.2
30°-40°	227.3	10.2
40°-50°	337.4	15.1
50°-60°	473.4	21.2
60°-70°	590.7	26.5
70°-80°	344.7	15.5
80°-90°	30.5	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°	2230.0	100.0
0°-180°	2230.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

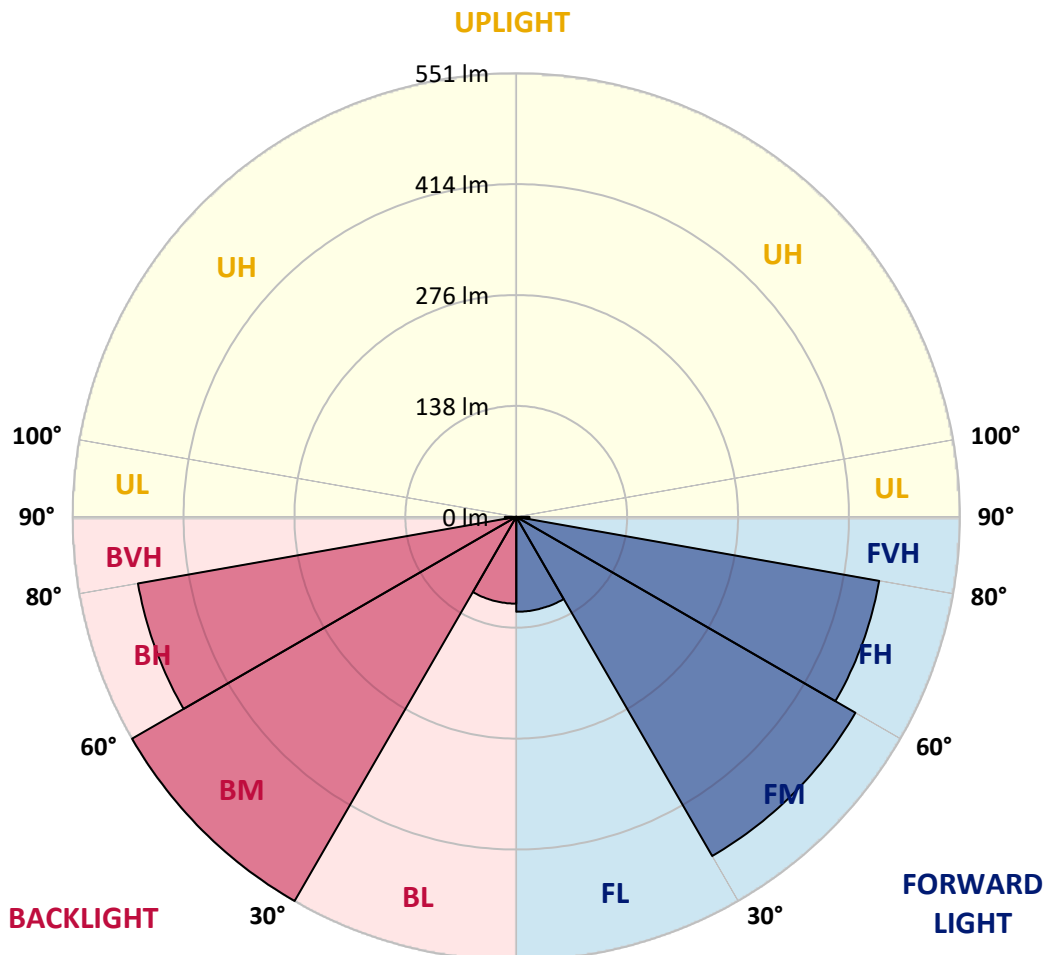
CATALOG NUMBER: BRT6-A2-750-U-T5S-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.0	5.3			
FM	(30°-60°)	486.8	21.8			
FH	(60°-80°)	458.0	20.5			G0/660
FVH	(80°-90°)	16.4	0.7			G1/100
BL	(0°-30°)	107.9	4.8	B0/110		
BM	(30°-60°)	551.3	24.7	B1/1000		
BH	(60°-80°)	477.4	21.4	B1/500		G0/660
BVH	(80°-90°)	14.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9
2.5°	168.8	169.9	184.5	187.3	183.9	185.6	182.2	183.3	178.9	182.2	179.4
5°	210.8	198.5	199.0	214.2	209.1	206.9	199.6	204.1	192.9	199.0	197.4
7.5°	224.8	214.2	213.1	227.6	226.5	217.6	214.2	211.4	206.3	205.2	204.7
10°	238.3	238.3	230.4	240.5	240.0	229.3	225.4	219.8	215.3	210.3	209.1
12.5°	251.8	251.2	249.5	253.4	255.7	243.9	236.6	227.6	225.4	215.9	214.7
15°	267.5	266.3	265.2	266.9	271.9	262.4	247.8	237.7	233.8	222.0	219.8
17.5°	285.4	284.8	283.7	284.3	288.2	275.9	259.6	249.5	242.8	228.8	226.0
20°	301.1	300.0	300.5	301.7	306.1	290.4	270.8	263.0	252.9	238.3	233.2
22.5°	315.7	315.7	316.2	317.4	323.5	305.6	285.4	277.5	264.6	248.4	242.2
25°	329.7	329.7	331.9	333.1	339.2	320.2	299.4	292.1	278.1	260.2	252.9
27.5°	344.3	343.1	343.7	345.4	353.2	334.2	312.9	305.6	291.6	274.7	267.5
30°	356.6	355.5	356.0	357.7	366.7	346.5	325.8	317.4	305.6	294.9	288.2
32.5°	367.3	366.1	366.1	368.4	377.9	357.2	337.0	329.1	321.8	320.7	314.0
35°	376.8	375.1	376.8	377.9	386.9	365.6	344.8	339.8	337.5	345.9	340.3
37.5°	385.2	383.5	386.3	385.2	394.2	375.1	352.1	350.4	354.9	371.7	367.3
40°	391.4	390.8	396.4	393.6	402.0	385.8	362.2	363.3	374.0	398.7	395.3
42.5°	387.4	388.0	398.1	401.5	409.9	398.1	375.1	379.6	395.3	428.9	423.9
45°	380.7	383.0	394.7	405.9	419.4	412.7	392.5	397.5	419.4	459.2	454.7
47.5°	368.4	370.6	389.1	405.9	429.5	431.7	409.9	419.4	445.8	489.5	485.0
50°	363.3	365.6	385.2	407.1	441.3	456.4	432.9	445.2	470.4	517.0	514.2
52.5°	366.7	371.2	389.1	414.9	457.5	486.7	454.2	471.0	495.7	542.2	541.1
55°	377.3	379.6	400.9	430.6	481.6	520.3	481.1	497.9	520.3	565.2	565.7
57.5°	390.8	392.5	416.6	452.5	510.2	554.5	509.1	528.7	540.5	583.7	585.9
60°	408.7	410.4	437.9	480.5	543.9	596.0	543.3	562.4	555.7	597.7	601.6
62.5°	422.8	424.4	455.3	509.7	586.5	649.3	583.1	590.4	565.2	601.6	608.9
65°	416.6	418.3	457.0	531.0	629.7	709.8	633.6	610.6	571.9	587.6	601.1
67.5°	396.4	399.2	438.5	534.9	662.2	771.5	685.7	625.2	571.9	552.3	569.7
68°	388.0	391.4	432.9	531.5	667.2	783.9	695.3	627.4	570.2	540.0	560.7
70°	344.3	346.5	390.2	498.5	670.6	820.3	732.3	629.1	550.0	476.6	500.7
72.5°	218.7	222.6	254.0	361.1	561.8	778.8	725.5	570.8	468.7	348.2	359.4
75°	114.4	112.7	130.6	192.3	353.2	603.3	620.1	445.8	339.8	196.2	200.7
77.5°	60.0	58.3	64.5	90.8	172.7	359.4	452.5	320.7	210.3	99.2	107.1
80°	39.2	38.1	39.2	49.3	70.6	172.1	268.6	196.8	121.7	42.1	42.6
82.5°	28.6	25.8	27.5	30.8	37.6	52.1	94.8	80.7	52.7	17.4	19.1
85°	15.7	14.0	13.5	17.9	17.4	19.1	15.1	12.3	10.1	6.7	6.7
87.5°	9.0	5.6	4.5	5.6	4.5	4.5	3.9	3.4	3.9	2.8	2.8
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°	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9
2.5°	180.5	185.0	183.3	182.8	187.3	187.8	187.8	180.5	173.8	178.9
5°	193.4	196.8	196.8	199.6	199.0	201.3	199.0	186.7	190.6	186.2
7.5°	205.8	202.4	206.3	205.2	210.3	205.8	203.5	194.0	194.6	200.2
10°	211.4	207.5	211.9	210.3	217.6	214.2	209.7	200.7	200.2	206.3
12.5°	218.1	212.5	219.2	217.0	225.4	223.7	218.1	209.7	209.7	215.3
15°	224.8	218.7	227.6	226.0	237.7	236.1	230.4	221.5	224.3	227.6
17.5°	231.0	226.0	237.7	236.6	250.6	249.5	244.5	236.1	240.0	241.1
20°	238.9	234.4	248.9	249.5	263.5	264.1	257.9	252.3	255.1	256.8
22.5°	248.9	246.7	263.0	261.3	276.4	278.7	273.6	270.3	273.1	275.3
25°	262.4	261.8	276.4	273.6	288.2	294.9	289.9	289.9	293.8	296.0
27.5°	282.0	278.1	290.4	287.1	302.2	312.9	308.9	312.3	315.1	317.9
30°	304.5	296.0	304.5	301.1	317.9	331.4	330.3	334.7	339.2	342.0
32.5°	329.7	315.1	318.5	315.1	334.2	350.4	352.1	360.0	364.5	366.1
35°	357.2	334.7	334.2	330.8	352.7	372.9	377.3	387.4	390.2	392.5
37.5°	384.1	354.4	351.6	349.3	374.5	398.1	401.5	414.4	414.9	415.5
40°	409.9	376.2	373.4	372.3	400.3	422.2	428.9	439.6	439.6	437.9
42.5°	435.1	398.1	398.7	398.1	428.4	450.2	455.8	462.6	459.8	459.2
45°	463.7	418.8	427.3	428.4	461.5	479.4	480.0	485.0	483.9	482.8
47.5°	494.0	440.1	459.2	459.8	496.8	513.0	506.9	509.7	508.6	506.3
50°	525.4	463.7	490.6	494.0	541.1	546.1	533.8	534.3	532.7	529.3
52.5°	552.3	490.6	520.3	529.3	589.9	587.0	564.1	559.6	554.5	548.9
55°	577.5	519.2	550.0	568.0	634.7	625.2	594.3	582.0	568.5	565.2
57.5°	594.9	544.4	580.9	601.1	679.6	665.0	620.7	593.8	569.1	563.5
60°	602.7	570.8	616.8	638.6	723.3	699.2	638.1	590.4	556.8	549.5
62.5°	596.0	594.3	644.8	681.8	777.7	725.0	637.5	571.3	525.9	518.1
65°	579.2	616.2	664.4	729.5	820.3	730.6	614.0	525.9	468.2	459.2
67.5°	550.0	634.7	670.6	773.8	842.7	716.0	564.1	452.5	396.4	389.1
68°	543.9	637.0	670.6	781.6	843.8	708.7	548.4	439.0	379.6	376.8
70°	500.7	635.8	668.9	810.2	830.4	644.2	464.8	345.9	301.1	290.4
72.5°	389.1	563.5	606.1	756.4	686.3	449.7	282.0	193.4	171.0	161.5
75°	236.6	413.2	450.2	570.2	429.5	242.2	151.9	106.0	95.3	95.3
77.5°	129.5	257.9	301.1	383.0	220.4	129.0	84.7	62.8	59.4	63.4
80°	52.7	136.8	178.9	183.9	90.8	63.9	53.3	39.2	38.7	40.4
82.5°	20.2	53.8	59.4	47.1	39.2	37.6	33.6	26.4	25.2	29.7
85°	6.7	10.1	12.3	12.9	19.6	20.7	22.4	15.7	15.1	19.6
87.5°	3.4	3.9	3.4	3.9	4.5	4.5	4.5	4.5	5.0	9.5
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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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)