

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-A1-740-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-A1-740-U-T5S-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1000LM, TYPE V SQUARE SYMMETRICAL, BLACK FINISH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1125 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G0

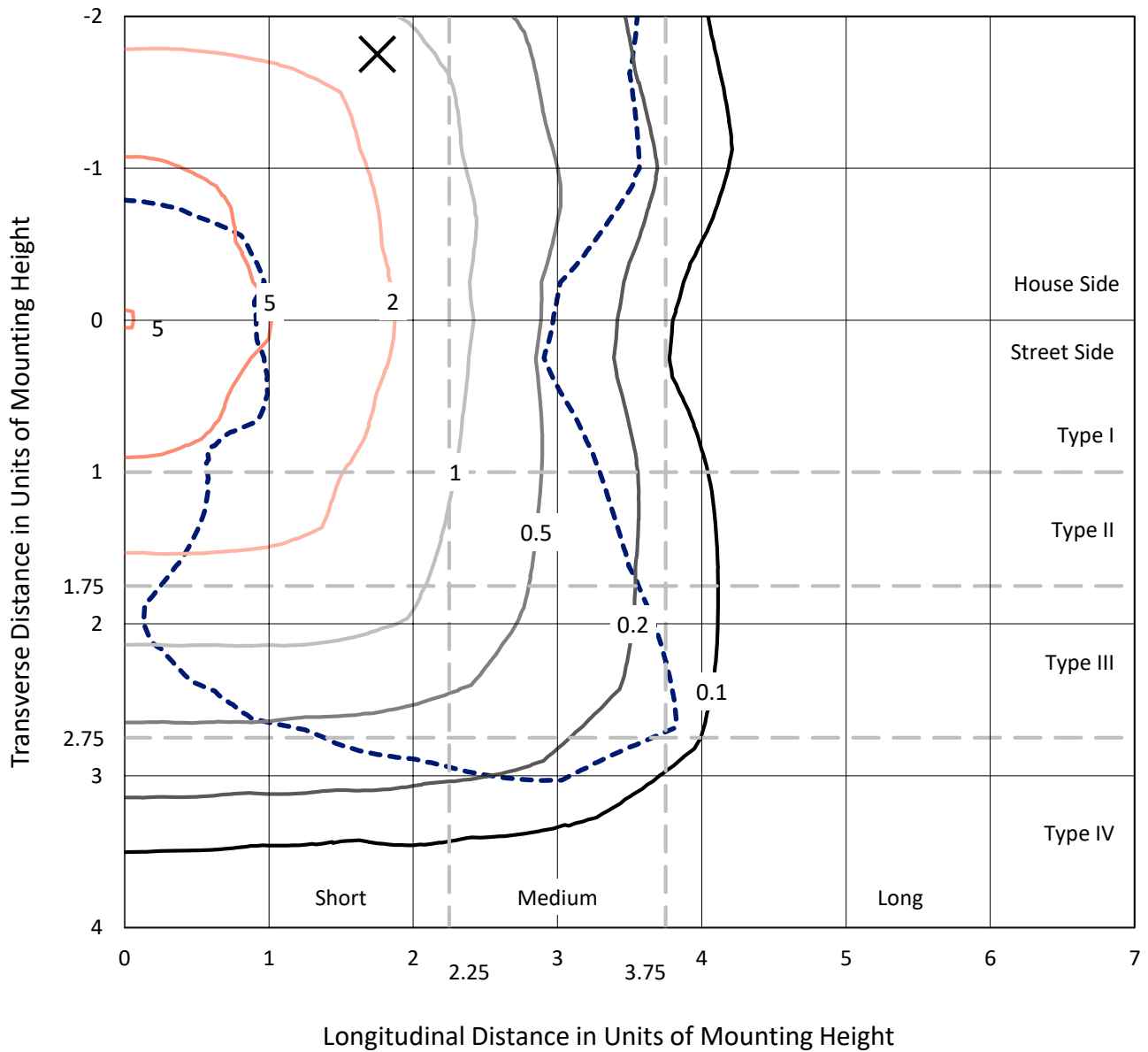
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

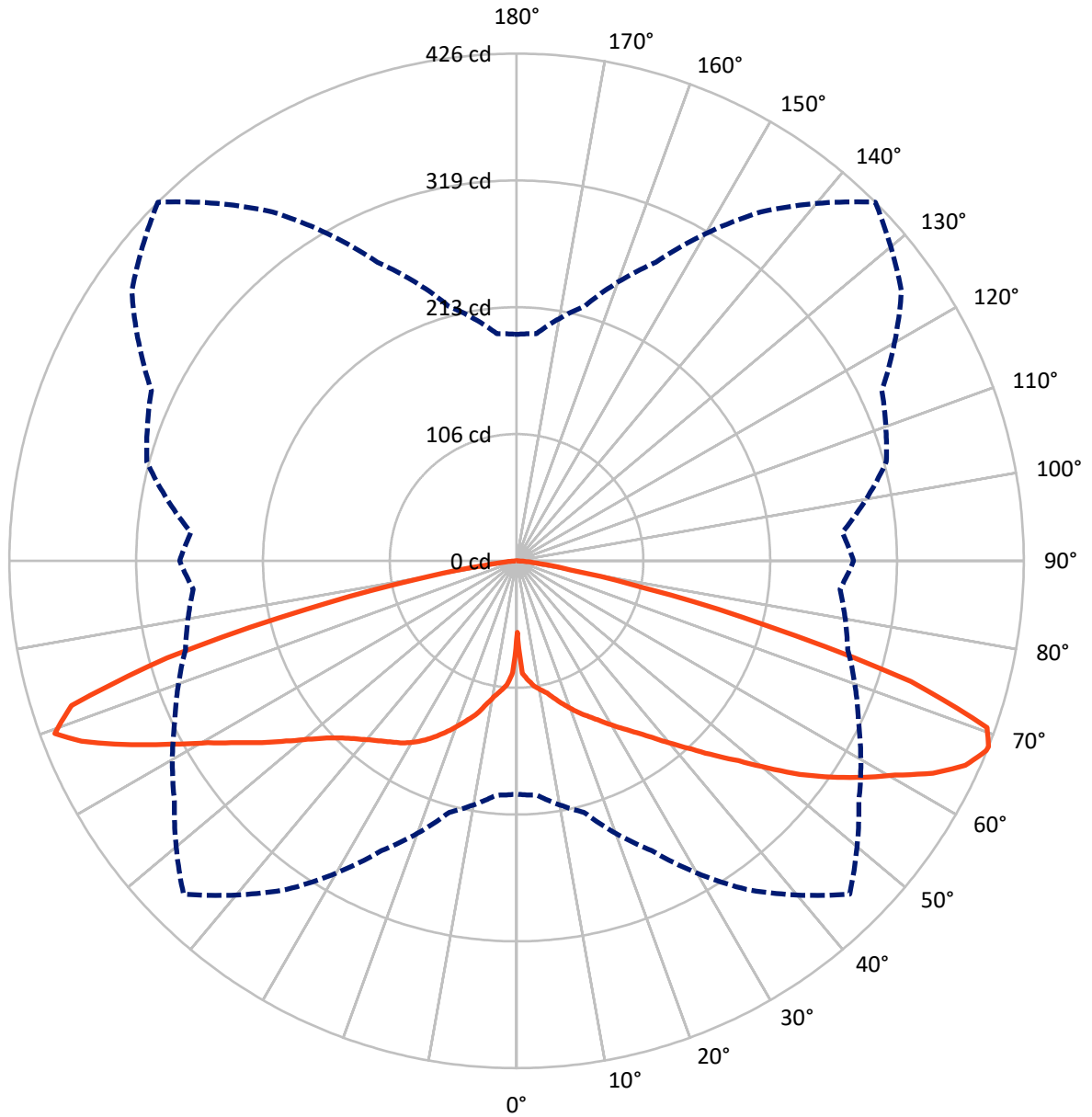
× Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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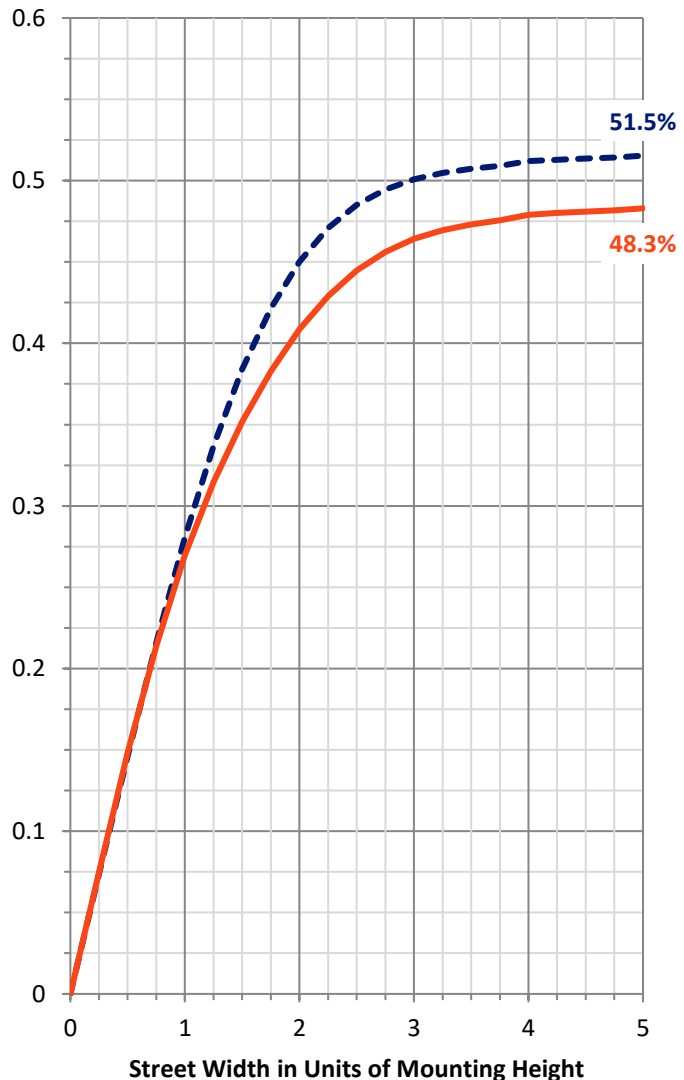
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	580.6	0.0	580.6
	% Fixture	51.6	0.0	51.6
Street Side	Lumens	544.4	0.0	544.4
	% Fixture	48.4	0.0	48.4
Total	Lumens	1125.0	0.0	1125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.9
10°-20°	34.8	3.1
20°-30°	69.4	6.2
30°-40°	114.7	10.2
40°-50°	170.2	15.1
50°-60°	238.8	21.2
60°-70°	298.0	26.5
70°-80°	173.9	15.5
80°-90°	15.4	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°	1125.0	100.0
0°-180°	1125.0	100.0

Coefficient of Utilization



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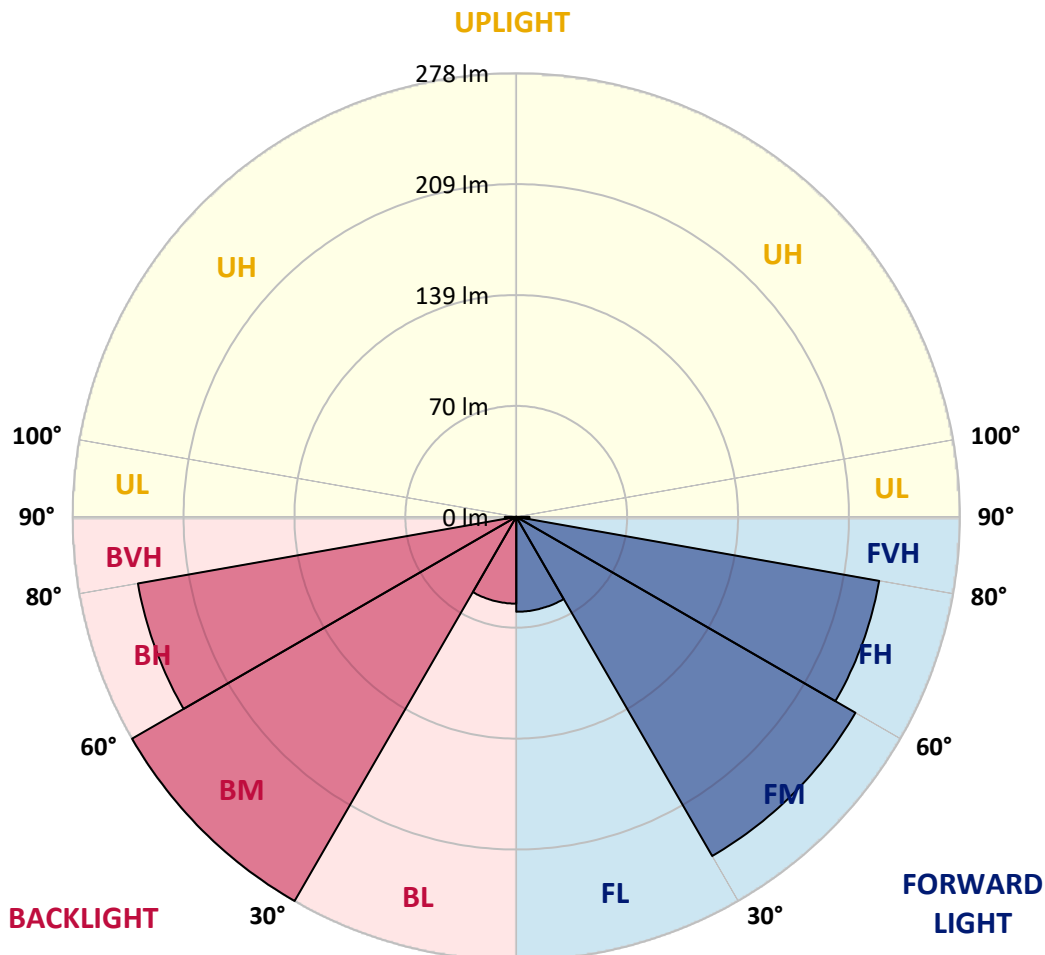
CATALOG NUMBER: BRT6-A1-740-U-T5S-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.5	5.3			
FM (30°-60°)	245.6	21.8			
FH (60°-80°)	231.1	20.5			G0/660
FVH (80°-90°)	8.3	0.7			G0/10
BL (0°-30°)	54.4	4.8	B0/110		
BM (30°-60°)	278.1	24.7	B1/1000		
BH (60°-80°)	240.9	21.4	B1/500		G0/660
BVH (80°-90°)	7.1	0.6			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	85.1	85.7	93.1	94.5	92.8	93.6	91.9	92.5	90.2	91.9	90.5
5°	106.4	100.1	100.4	108.1	105.5	104.4	100.7	103.0	97.3	100.4	99.6
7.5°	113.4	108.1	107.5	114.8	114.3	109.8	108.1	106.6	104.1	103.5	103.2
10°	120.2	120.2	116.3	121.3	121.1	115.7	113.7	110.9	108.6	106.1	105.5
12.5°	127.0	126.7	125.9	127.9	129.0	123.0	119.4	114.8	113.7	108.9	108.3
15°	134.9	134.4	133.8	134.6	137.2	132.4	125.0	119.9	118.0	112.0	110.9
17.5°	144.0	143.7	143.1	143.4	145.4	139.2	131.0	125.9	122.5	115.4	114.0
20°	151.9	151.3	151.6	152.2	154.4	146.5	136.6	132.7	127.6	120.2	117.7
22.5°	159.3	159.3	159.5	160.1	163.2	154.2	144.0	140.0	133.5	125.3	122.2
25°	166.3	166.3	167.5	168.0	171.1	161.5	151.0	147.4	140.3	131.2	127.6
27.5°	173.7	173.1	173.4	174.2	178.2	168.6	157.8	154.2	147.1	138.6	134.9
30°	179.9	179.3	179.6	180.5	185.0	174.8	164.3	160.1	154.2	148.8	145.4
32.5°	185.3	184.7	184.7	185.8	190.6	180.2	170.0	166.0	162.4	161.8	158.4
35°	190.1	189.2	190.1	190.6	195.2	184.4	174.0	171.4	170.3	174.5	171.7
37.5°	194.3	193.5	194.9	194.3	198.9	189.2	177.6	176.8	179.1	187.5	185.3
40°	197.4	197.2	200.0	198.6	202.8	194.6	182.7	183.3	188.7	201.1	199.4
42.5°	195.5	195.7	200.8	202.5	206.8	200.8	189.2	191.5	199.4	216.4	213.8
45°	192.1	193.2	199.1	204.8	211.6	208.2	198.0	200.5	211.6	231.7	229.4
47.5°	185.8	187.0	196.3	204.8	216.7	217.8	206.8	211.6	224.9	246.9	244.7
50°	183.3	184.4	194.3	205.4	222.6	230.3	218.4	224.6	237.3	260.8	259.4
52.5°	185.0	187.3	196.3	209.3	230.8	245.5	229.1	237.6	250.1	273.5	273.0
55°	190.4	191.5	202.2	217.2	243.0	262.5	242.7	251.2	262.5	285.1	285.4
57.5°	197.2	198.0	210.2	228.3	257.4	279.8	256.8	266.7	272.7	294.5	295.6
60°	206.2	207.1	220.9	242.4	274.4	300.7	274.1	283.7	280.3	301.5	303.5
62.5°	213.3	214.1	229.7	257.1	295.9	327.6	294.2	297.9	285.1	303.5	307.2
65°	210.2	211.0	230.5	267.9	317.7	358.1	319.6	308.0	288.5	296.4	303.2
67.5°	200.0	201.4	221.2	269.9	334.1	389.2	345.9	315.4	288.5	278.6	287.4
68°	195.7	197.4	218.4	268.2	336.6	395.4	350.7	316.5	287.7	272.4	282.9
70°	173.7	174.8	196.9	251.5	338.3	413.8	369.4	317.4	277.5	240.4	252.6
72.5°	110.3	112.3	128.1	182.2	283.4	392.9	366.0	288.0	236.5	175.7	181.3
75°	57.7	56.9	65.9	97.0	178.2	304.4	312.8	224.9	171.4	99.0	101.3
77.5°	30.3	29.4	32.5	45.8	87.1	181.3	228.3	161.8	106.1	50.1	54.0
80°	19.8	19.2	19.8	24.9	35.6	86.8	135.5	99.3	61.4	21.2	21.5
82.5°	14.4	13.0	13.9	15.6	19.0	26.3	47.8	40.7	26.6	8.8	9.6
85°	7.9	7.1	6.8	9.1	8.8	9.6	7.6	6.2	5.1	3.4	3.4
87.5°	4.5	2.8	2.3	2.8	2.3	2.3	2.0	1.7	2.0	1.4	1.4
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°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	91.1	93.3	92.5	92.2	94.5	94.8	94.8	91.1	87.7	90.2
5°	97.6	99.3	99.3	100.7	100.4	101.5	100.4	94.2	96.2	93.9
7.5°	103.8	102.1	104.1	103.5	106.1	103.8	102.7	97.9	98.2	101.0
10°	106.6	104.7	106.9	106.1	109.8	108.1	105.8	101.3	101.0	104.1
12.5°	110.0	107.2	110.6	109.5	113.7	112.9	110.0	105.8	105.8	108.6
15°	113.4	110.3	114.8	114.0	119.9	119.1	116.3	111.7	113.1	114.8
17.5°	116.5	114.0	119.9	119.4	126.4	125.9	123.3	119.1	121.1	121.6
20°	120.5	118.2	125.6	125.9	132.9	133.2	130.1	127.3	128.7	129.6
22.5°	125.6	124.5	132.7	131.8	139.5	140.6	138.0	136.3	137.8	138.9
25°	132.4	132.1	139.5	138.0	145.4	148.8	146.2	146.2	148.2	149.4
27.5°	142.3	140.3	146.5	144.8	152.5	157.8	155.9	157.6	159.0	160.4
30°	153.6	149.4	153.6	151.9	160.4	167.2	166.6	168.9	171.1	172.5
32.5°	166.3	159.0	160.7	159.0	168.6	176.8	177.6	181.6	183.9	184.7
35°	180.2	168.9	168.6	166.9	177.9	188.1	190.4	195.5	196.9	198.0
37.5°	193.8	178.8	177.4	176.2	189.0	200.8	202.5	209.0	209.3	209.6
40°	206.8	189.8	188.4	187.8	202.0	213.0	216.4	221.8	221.8	220.9
42.5°	219.5	200.8	201.1	200.8	216.1	227.1	230.0	233.4	231.9	231.7
45°	233.9	211.3	215.5	216.1	232.8	241.8	242.1	244.7	244.1	243.5
47.5°	249.2	222.0	231.7	231.9	250.6	258.8	255.7	257.1	256.6	255.4
50°	265.0	233.9	247.5	249.2	273.0	275.5	269.3	269.6	268.7	267.0
52.5°	278.6	247.5	262.5	267.0	297.6	296.2	284.6	282.3	279.8	276.9
55°	291.3	261.9	277.5	286.5	320.2	315.4	299.8	293.6	286.8	285.1
57.5°	300.1	274.7	293.0	303.2	342.8	335.5	313.1	299.6	287.1	284.3
60°	304.1	288.0	311.1	322.2	364.9	352.7	321.9	297.9	280.9	277.2
62.5°	300.7	299.8	325.3	344.0	392.3	365.7	321.6	288.2	265.3	261.4
65°	292.2	310.9	335.2	368.0	413.8	368.6	309.7	265.3	236.2	231.7
67.5°	277.5	320.2	338.3	390.4	425.1	361.2	284.6	228.3	200.0	196.3
68°	274.4	321.3	338.3	394.3	425.7	357.5	276.6	221.5	191.5	190.1
70°	252.6	320.8	337.5	408.7	418.9	325.0	234.5	174.5	151.9	146.5
72.5°	196.3	284.3	305.8	381.6	346.2	226.9	142.3	97.6	86.3	81.5
75°	119.4	208.5	227.1	287.7	216.7	122.2	76.7	53.5	48.1	48.1
77.5°	65.3	130.1	151.9	193.2	111.2	65.1	42.7	31.7	30.0	32.0
80°	26.6	69.0	90.2	92.8	45.8	32.2	26.9	19.8	19.5	20.4
82.5°	10.2	27.2	30.0	23.8	19.8	19.0	17.0	13.3	12.7	15.0
85°	3.4	5.1	6.2	6.5	9.9	10.5	11.3	7.9	7.6	9.9
87.5°	1.7	2.0	1.7	2.0	2.3	2.3	2.3	2.3	2.5	4.8
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
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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





(END OF REPORT)