

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-A3-740-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-A3-740-U-T3-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 1500LM, PATH ASYMMETRICAL, BLACK FINISH
Light Source: (8) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1627.3 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

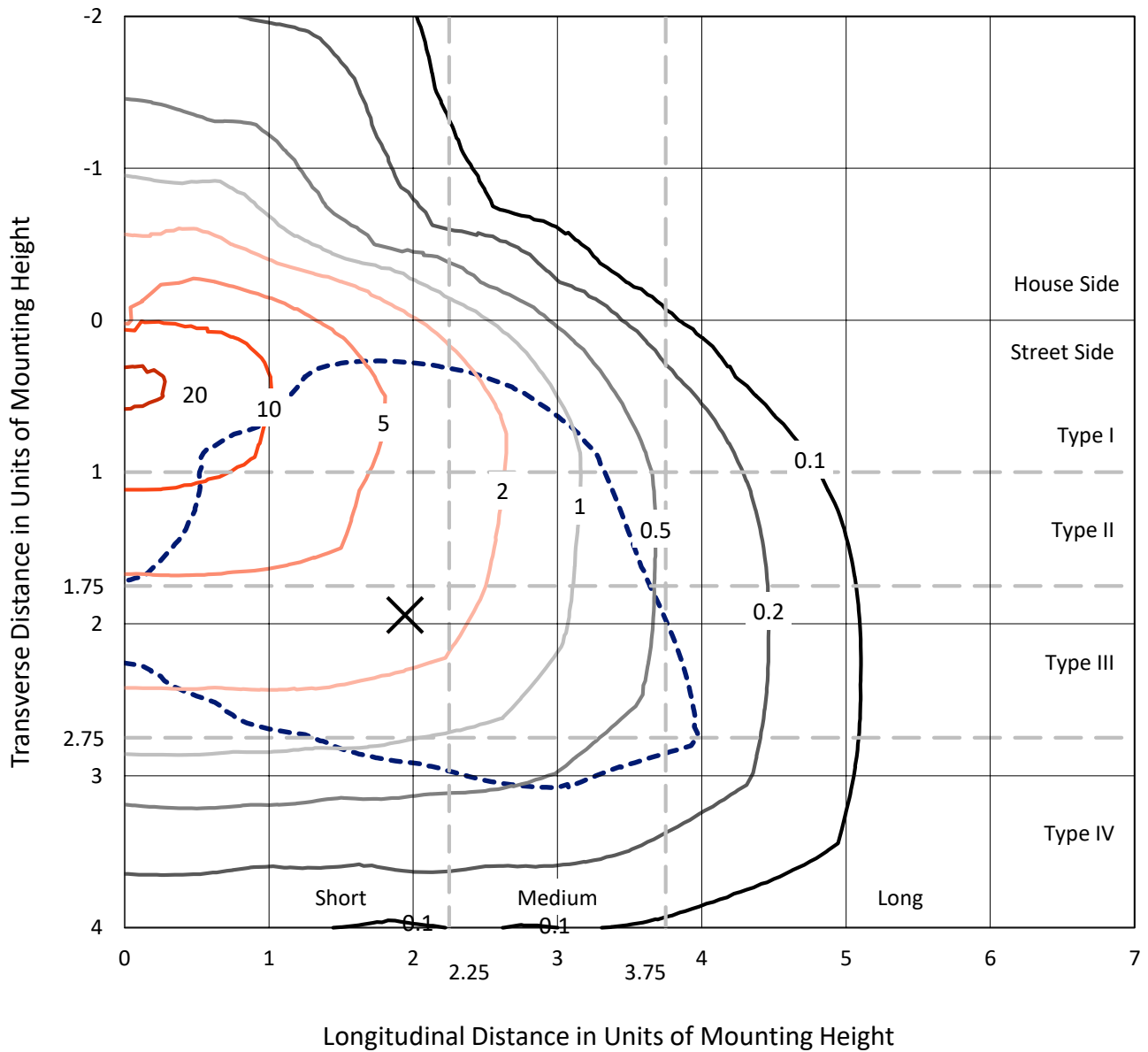
Input Watts (W): 17.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

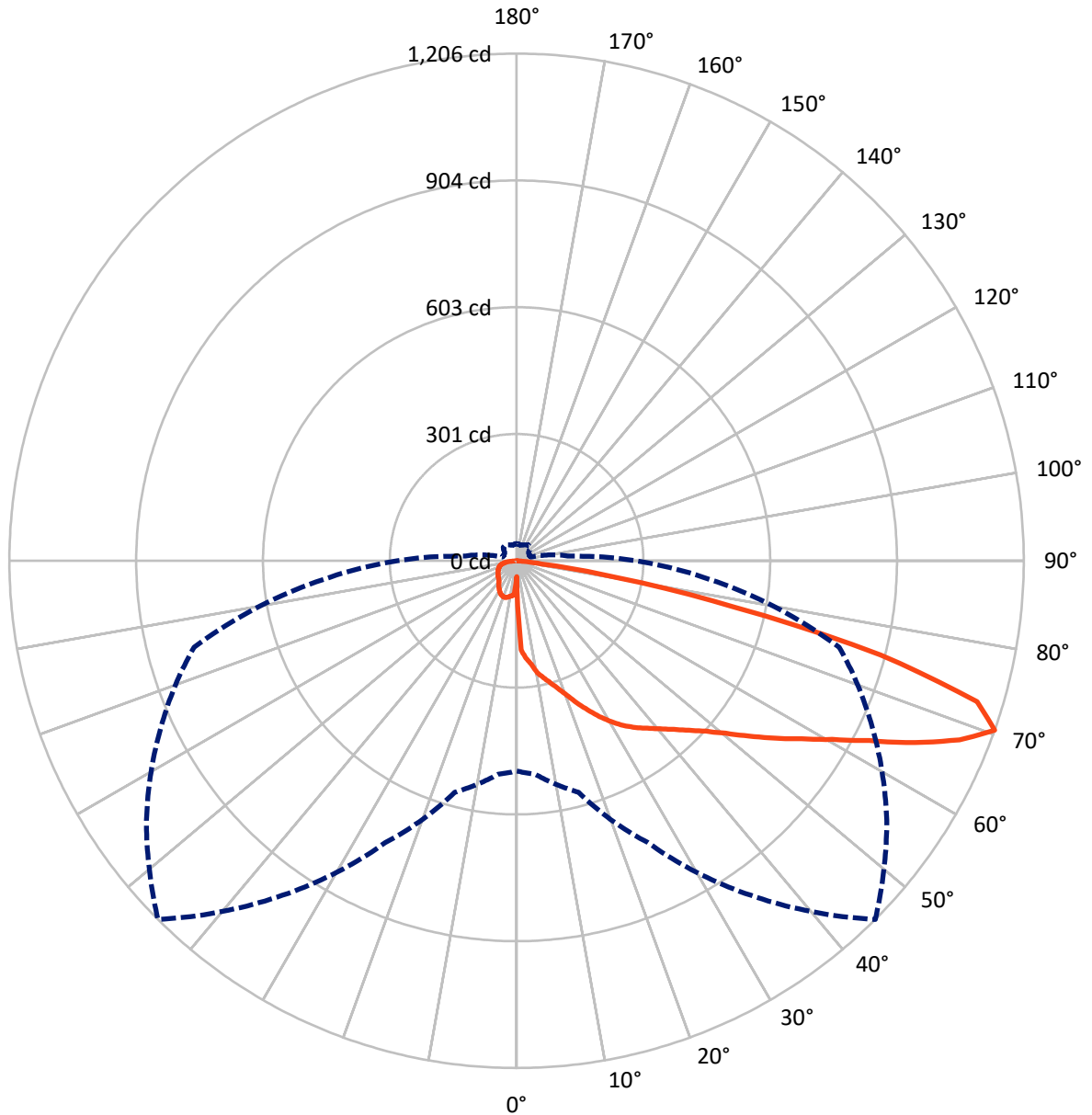
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 20.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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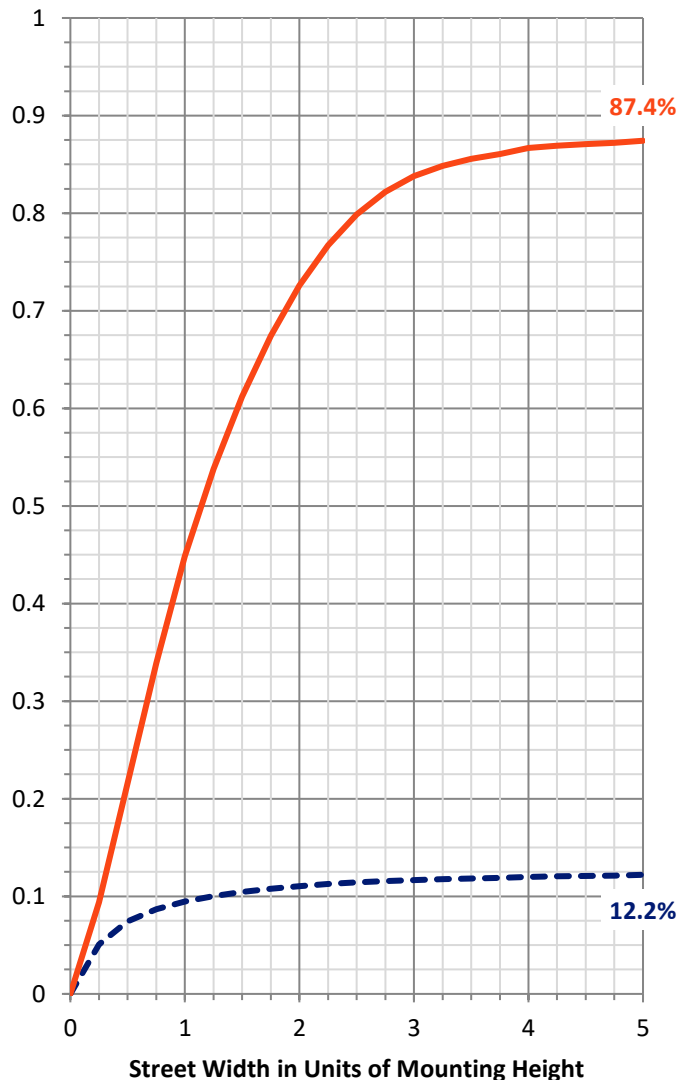
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	202.4	0.0	202.4
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	1424.8	0.0	1424.8
	% Fixture	87.6	0.0	87.6
Total	Lumens	1627.3	0.0	1627.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.9
10°-20°	54.3	3.3
20°-30°	107.7	6.6
30°-40°	172.1	10.6
40°-50°	239.5	14.7
50°-60°	321.5	19.8
60°-70°	419.2	25.8
70°-80°	271.2	16.7
80°-90°	27.0	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°	1627.3	100.0
0°-180°	1627.3	100.0

Coefficient of Utilization



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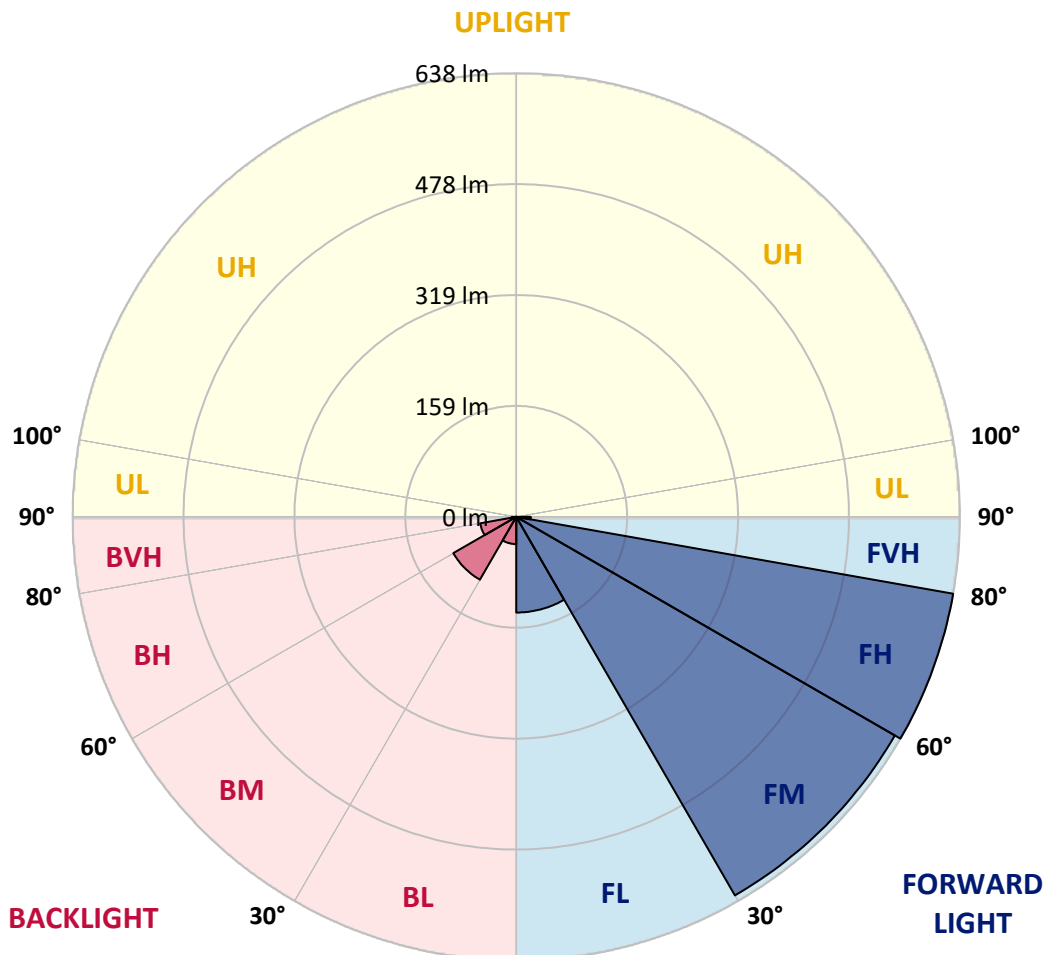
CATALOG NUMBER: BRT6-A3-740-U-T3-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.6	8.5			
FM	(30°-60°)	628.6	38.6			
FH	(60°-80°)	637.8	39.2			G0/660
FVH	(80°-90°)	20.8	1.3			G1/100
BL	(0°-30°)	39.2	2.4	B0/110		
BM	(30°-60°)	104.4	6.4	B0/220		
BH	(60°-80°)	52.6	3.2	B0/110		G0/110
BVH	(80°-90°)	6.2	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°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	253.3	254.2	254.2	248.8	222.3	212.3	191.4	174.0	155.8	137.6	129.4
5°	272.5	272.5	272.5	269.7	262.4	232.4	219.6	194.1	177.7	155.8	151.3
7.5°	290.7	291.6	290.7	288.0	283.4	247.9	236.9	204.1	190.4	161.3	155.8
10°	307.1	308.0	308.0	305.3	301.6	270.6	251.5	214.1	200.5	165.8	159.5
12.5°	325.3	326.2	325.3	322.6	317.1	285.2	264.3	232.4	208.7	170.4	163.1
15°	347.2	348.1	349.0	342.6	336.2	300.7	278.8	243.3	216.9	176.8	166.8
17.5°	371.8	371.8	371.8	368.1	359.0	318.9	292.5	255.1	226.9	184.1	170.4
20°	398.2	399.1	398.2	395.5	383.6	340.8	308.9	267.9	236.9	192.3	175.0
22.5°	421.9	424.6	425.5	421.0	411.0	366.3	329.0	281.6	248.8	201.4	180.4
25°	449.2	450.2	449.2	446.5	435.6	392.7	348.1	297.1	261.5	211.4	187.7
27.5°	472.9	474.8	473.8	469.3	462.0	419.2	369.1	315.3	275.2	222.3	197.7
30°	499.4	498.4	495.7	493.9	487.5	443.8	391.8	334.4	290.7	236.0	212.3
32.5°	519.4	519.4	515.8	513.9	507.6	466.6	411.9	352.6	308.0	256.1	230.5
35°	537.6	538.5	534.9	531.3	525.8	486.6	430.1	370.9	328.0	279.7	251.5
37.5°	554.9	555.9	554.9	548.6	543.1	504.8	449.2	391.8	349.9	305.3	270.6
40°	566.8	568.6	572.3	563.1	558.6	524.9	471.1	420.1	380.0	332.6	288.9
42.5°	563.1	565.0	576.8	576.8	575.0	547.7	496.6	452.9	411.9	360.8	306.2
45°	552.2	555.9	575.9	585.9	592.3	574.1	525.8	492.1	449.2	390.0	323.5
47.5°	539.5	541.3	567.7	586.8	611.4	605.1	559.5	531.3	495.7	418.3	339.0
50°	531.3	534.9	562.2	590.5	631.5	644.2	596.9	576.8	542.2	444.7	351.7
52.5°	538.5	544.0	567.7	602.3	656.1	691.6	637.9	623.3	590.5	465.6	363.6
55°	554.0	555.9	585.0	626.0	691.6	744.5	681.6	678.0	638.8	483.9	371.8
57.5°	573.2	575.0	611.4	656.1	734.5	798.2	730.8	731.7	686.2	499.4	378.2
60°	599.6	604.2	642.4	698.9	785.5	862.0	786.4	790.0	730.8	509.4	380.9
62.5°	617.8	625.1	668.8	744.5	846.5	941.3	849.3	841.1	772.7	514.8	378.2
65°	610.5	613.3	673.4	778.2	910.3	1041.5	926.7	887.5	805.5	511.2	366.3
67.5°	578.6	584.1	645.2	787.3	960.4	1135.4	1008.7	924.0	823.8	493.0	336.2
70°	499.4	509.4	569.5	739.0	970.5	1205.6	1074.3	932.2	793.7	444.7	283.4
72.5°	299.8	320.8	379.1	520.3	826.5	1144.5	1058.9	841.1	671.6	344.4	190.4
75°	152.2	156.7	175.9	259.7	510.3	893.0	905.8	657.9	491.2	200.5	107.5
77.5°	71.1	72.0	82.9	116.6	253.3	532.2	684.3	482.0	312.6	103.0	57.4
80°	39.2	41.9	44.7	57.4	78.4	244.2	431.0	292.5	177.7	45.6	25.5
82.5°	26.4	26.4	27.3	29.2	37.4	59.2	144.9	113.0	68.3	18.2	12.8
85°	10.0	10.9	11.8	12.8	14.6	15.5	16.4	15.5	10.9	6.4	4.6
87.5°	4.6	4.6	4.6	5.5	4.6	4.6	4.6	3.6	3.6	2.7	1.8
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°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	122.1	112.1	90.2	80.2	59.2	54.7	40.1	29.2	15.5	11.8
5°	139.4	120.3	106.6	88.4	80.2	57.4	53.8	31.0	32.8	46.5
7.5°	144.9	122.1	113.0	90.2	83.8	58.3	54.7	32.8	40.1	47.4
10°	152.2	123.9	113.9	91.1	84.7	59.2	55.6	36.4	50.1	50.1
12.5°	154.9	125.8	115.7	92.0	87.5	61.1	57.4	44.7	51.9	52.9
15°	157.6	126.7	117.5	94.8	89.3	63.8	59.2	52.9	52.9	53.8
17.5°	160.4	128.5	121.2	96.6	91.1	66.5	59.2	53.8	52.9	53.8
20°	163.1	132.1	124.8	98.4	91.1	70.2	59.2	53.8	52.9	53.8
22.5°	168.6	137.6	129.4	99.3	90.2	71.1	57.4	52.9	51.9	52.9
25°	175.9	145.8	132.1	100.2	88.4	70.2	56.5	51.9	50.1	51.0
27.5°	186.8	155.8	134.0	101.1	85.7	69.3	54.7	50.1	48.3	49.2
30°	202.3	164.9	133.0	99.3	82.0	67.4	52.9	48.3	47.4	48.3
32.5°	220.5	171.3	130.3	95.7	78.4	65.6	51.0	46.5	45.6	46.5
35°	236.0	173.1	123.9	89.3	74.7	63.8	49.2	44.7	44.7	45.6
37.5°	248.8	171.3	114.8	83.8	70.2	61.1	47.4	43.7	43.7	43.7
40°	258.8	165.8	104.8	77.5	65.6	58.3	46.5	42.8	42.8	43.7
42.5°	266.1	157.6	95.7	72.9	62.9	57.4	45.6	41.9	41.9	42.8
45°	271.5	147.6	87.5	67.4	60.1	55.6	43.7	40.1	40.1	41.0
47.5°	277.0	137.6	79.3	63.8	59.2	54.7	41.9	40.1	40.1	41.0
50°	279.7	127.6	72.9	61.1	57.4	51.9	41.0	40.1	41.9	41.9
52.5°	281.6	118.5	66.5	57.4	56.5	51.0	41.9	41.9	42.8	43.7
55°	279.7	106.6	60.1	53.8	53.8	51.0	42.8	42.8	43.7	43.7
57.5°	271.5	92.9	53.8	51.0	51.9	51.9	43.7	42.8	43.7	44.7
60°	260.6	78.4	49.2	48.3	51.0	51.9	44.7	42.8	44.7	44.7
62.5°	240.6	62.9	43.7	44.7	50.1	51.9	44.7	41.9	44.7	44.7
65°	209.6	50.1	39.2	41.0	48.3	51.0	43.7	41.0	42.8	43.7
67.5°	171.3	41.9	35.5	37.4	46.5	50.1	42.8	40.1	41.0	42.8
70°	126.7	35.5	32.8	34.6	44.7	46.5	41.9	38.3	40.1	41.0
72.5°	82.9	30.1	29.2	31.9	42.8	42.8	40.1	36.4	38.3	40.1
75°	48.3	23.7	23.7	28.2	40.1	39.2	38.3	31.0	33.7	37.4
77.5°	30.1	18.2	20.0	23.7	37.4	36.4	35.5	26.4	29.2	34.6
80°	14.6	13.7	14.6	20.0	31.9	31.9	32.8	22.8	25.5	31.9
82.5°	8.2	8.2	10.0	13.7	28.2	27.3	28.2	19.1	21.9	28.2
85°	4.6	5.5	5.5	9.1	19.1	17.3	23.7	13.7	16.4	21.9
87.5°	1.8	1.8	0.9	0.9	2.7	0.9	2.7	1.8	5.5	7.3
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



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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)