

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-A2-730-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-A2-730-U-T5S-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 2000LM, TYPE V SQUARE SYMMETRICAL, BLACK FINISH
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2031 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

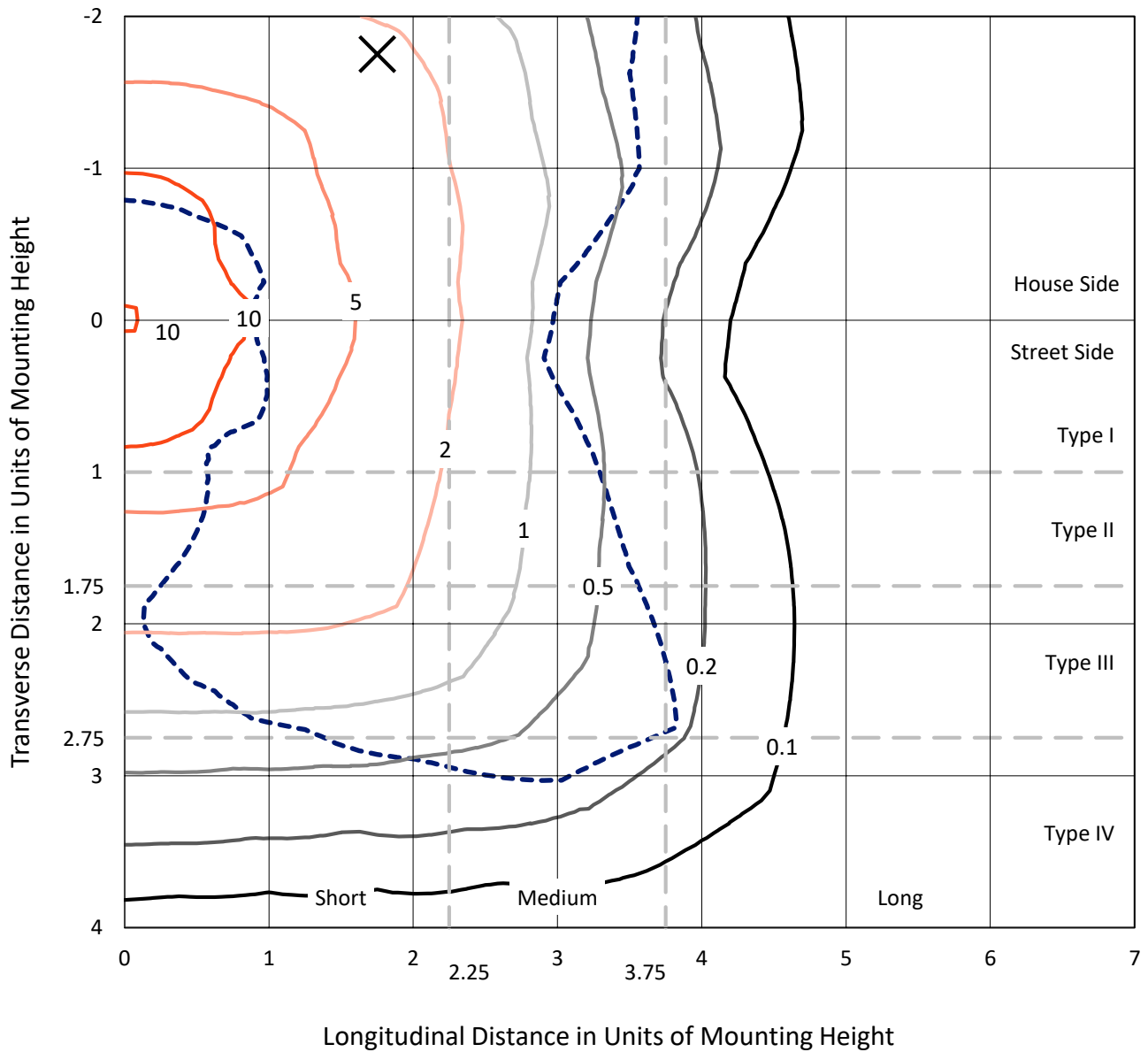
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P#
 CATALOG NUMBER: BRT6-A2-730-U-T5S-XX-BK

Iso-Footcandle Lines of Horizontal Illumination

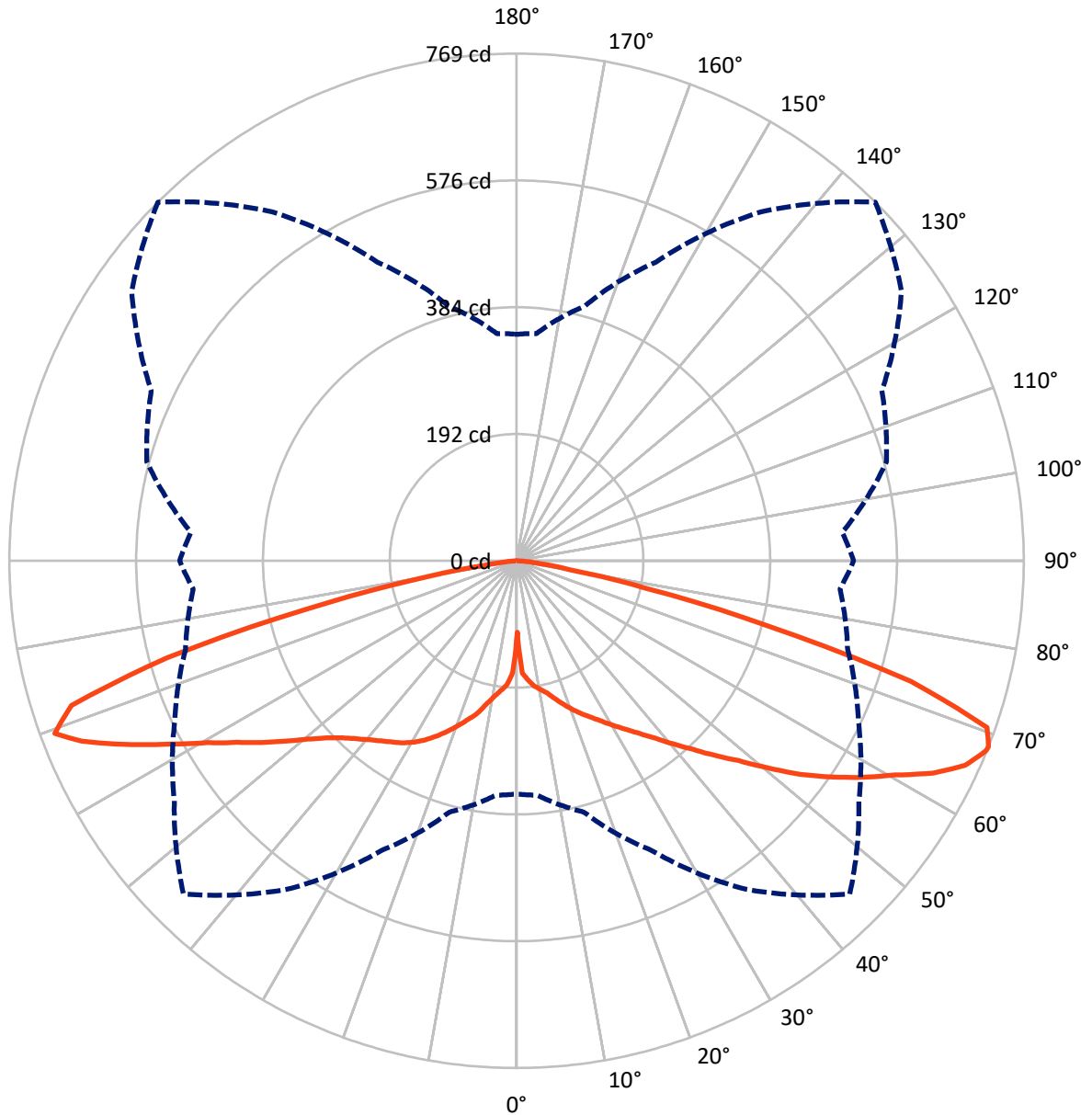
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 14.4 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P#
CATALOG NUMBER: BRT6-A2-730-U-T5S-XX-BK

Luminous Intensity Polar Plot



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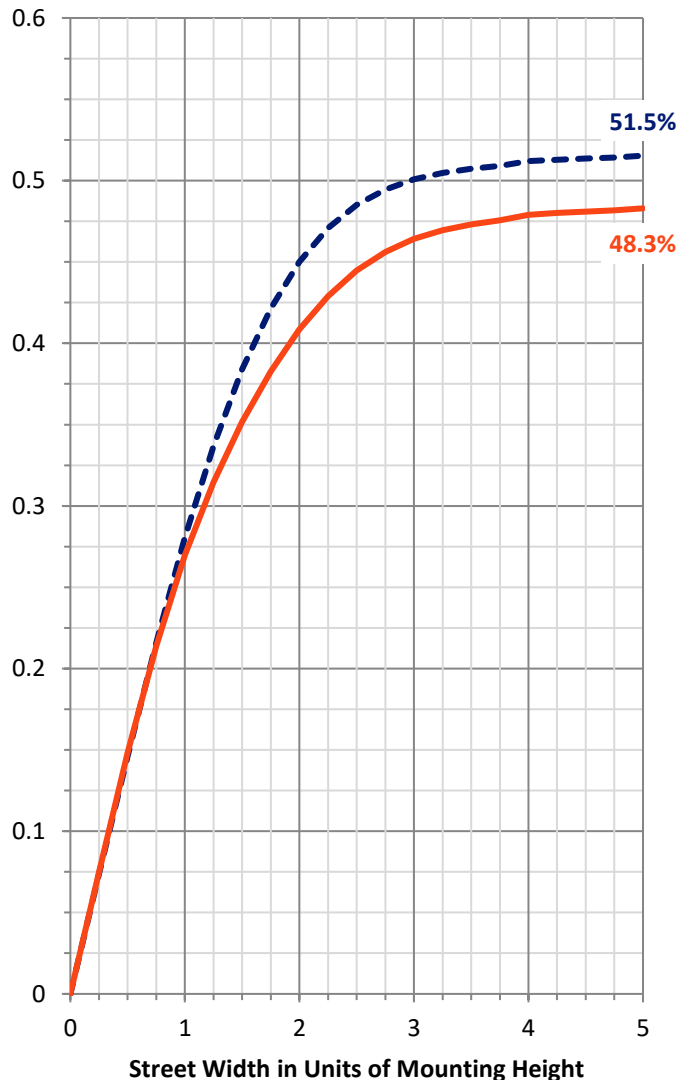
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1048.1	0.0	1048.1
	% Fixture	51.6	0.0	51.6
Street Side	Lumens	982.9	0.0	982.9
	% Fixture	48.4	0.0	48.4
Total	Lumens	2031.0	0.0	2031.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.9
10°-20°	62.8	3.1
20°-30°	125.3	6.2
30°-40°	207.0	10.2
40°-50°	307.3	15.1
50°-60°	431.1	21.2
60°-70°	538.0	26.5
70°-80°	314.0	15.5
80°-90°	27.8	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°	2031.0	100.0
0°-180°	2031.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

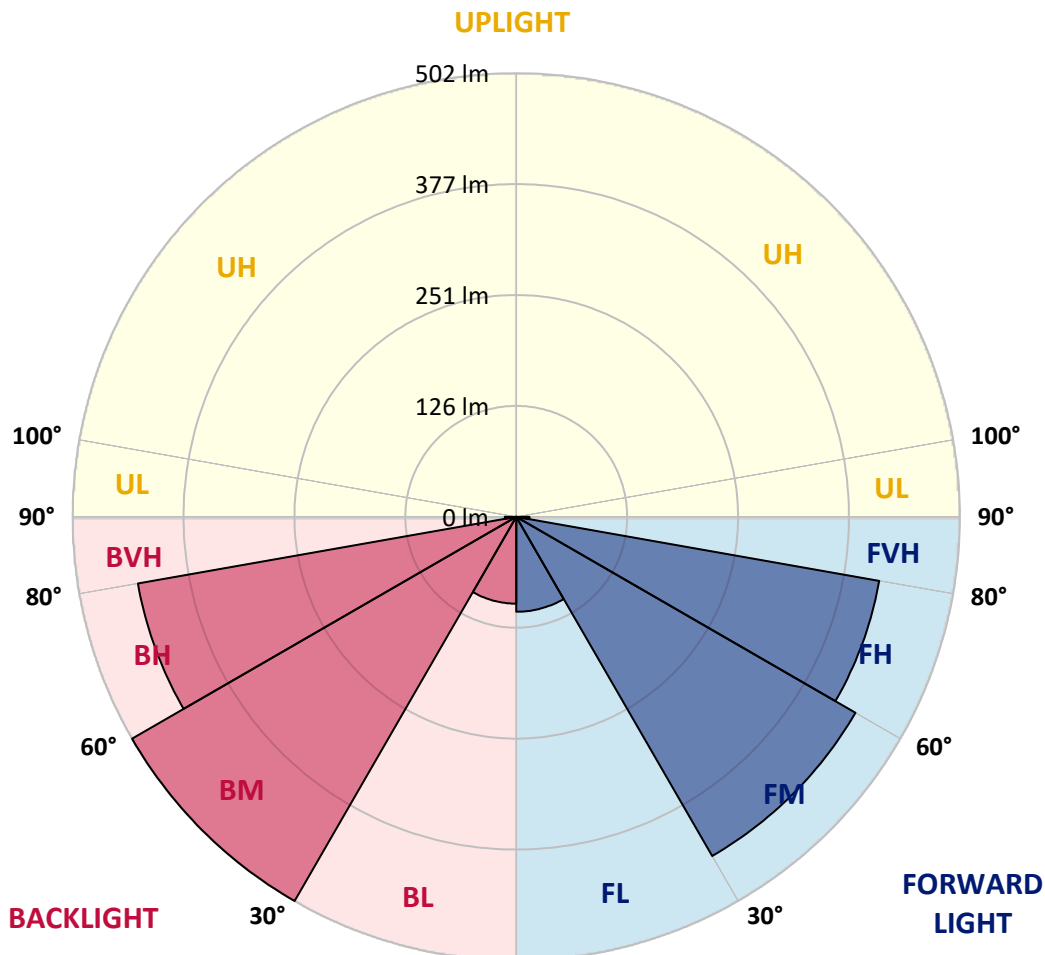
CATALOG NUMBER: BRT6-A2-730-U-T5S-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.5	5.3			
FM	(30°-60°)	443.3	21.8			
FH	(60°-80°)	417.2	20.5			G0/660
FVH	(80°-90°)	14.9	0.7			G1/100
BL	(0°-30°)	98.3	4.8	B0/110		
BM	(30°-60°)	502.1	24.7	B1/1000		
BH	(60°-80°)	434.8	21.4	B1/500		G0/660
BVH	(80°-90°)	12.9	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





REPORT NUMBER: P#

CATALOG NUMBER: BRT6-A2-730-U-T5S-XX-BK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3
2.5°	153.7	154.7	168.0	170.6	167.5	169.0	166.0	167.0	162.9	166.0	163.4
5°	192.0	180.8	181.3	195.1	190.5	188.4	181.8	185.9	175.7	181.3	179.8
7.5°	204.8	195.1	194.1	207.3	206.3	198.1	195.1	192.5	187.9	186.9	186.4
10°	217.0	217.0	209.9	219.1	218.6	208.9	205.3	200.2	196.1	191.5	190.5
12.5°	229.3	228.8	227.2	230.8	232.9	222.1	215.5	207.3	205.3	196.6	195.6
15°	243.6	242.6	241.5	243.1	247.7	239.0	225.7	216.5	212.9	202.2	200.2
17.5°	259.9	259.4	258.4	258.9	262.5	251.2	236.4	227.2	221.1	208.3	205.8
20°	274.2	273.2	273.7	274.7	278.8	264.5	246.6	239.5	230.3	217.0	212.4
22.5°	287.5	287.5	288.0	289.0	294.7	278.3	259.9	252.8	241.0	226.2	220.6
25°	300.3	300.3	302.3	303.3	309.0	291.6	272.7	266.1	253.3	236.9	230.3
27.5°	313.5	312.5	313.0	314.6	321.7	304.4	284.9	278.3	265.5	250.2	243.6
30°	324.8	323.8	324.3	325.8	334.0	315.6	296.7	289.0	278.3	268.6	262.5
32.5°	334.5	333.5	333.5	335.5	344.2	325.3	306.9	299.8	293.1	292.1	286.0
35°	343.2	341.6	343.2	344.2	352.4	333.0	314.1	309.5	307.4	315.1	310.0
37.5°	350.8	349.3	351.8	350.8	359.0	341.6	320.7	319.2	323.2	338.6	334.5
40°	356.4	355.9	361.0	358.5	366.1	351.3	329.9	330.9	340.6	363.1	360.0
42.5°	352.9	353.4	362.6	365.6	373.3	362.6	341.6	345.7	360.0	390.7	386.1
45°	346.7	348.8	359.5	369.7	382.0	375.8	357.5	362.1	382.0	418.2	414.1
47.5°	335.5	337.5	354.4	369.7	391.2	393.2	373.3	382.0	406.0	445.8	441.7
50°	330.9	333.0	350.8	370.7	401.9	415.7	394.2	405.5	428.4	470.8	468.3
52.5°	334.0	338.1	354.4	377.9	416.7	443.3	413.6	429.0	451.4	493.8	492.8
55°	343.7	345.7	365.1	392.2	438.7	473.9	438.1	453.5	473.9	514.7	515.3
57.5°	355.9	357.5	379.4	412.1	464.7	505.0	463.7	481.6	492.3	531.6	533.6
60°	372.3	373.8	398.8	437.6	495.3	542.8	494.8	512.2	506.1	544.4	547.9
62.5°	385.0	386.6	414.7	464.2	534.2	591.3	531.1	537.7	514.7	547.9	554.6
65°	379.4	381.0	416.2	483.6	573.5	646.5	577.0	556.1	520.9	535.2	547.4
67.5°	361.0	363.6	399.3	487.2	603.1	702.7	624.5	569.4	520.9	503.0	518.8
68°	353.4	356.4	394.2	484.1	607.7	713.9	633.2	571.4	519.3	491.8	510.7
70°	313.5	315.6	355.4	454.0	610.8	747.1	666.9	573.0	501.0	434.1	456.0
72.5°	199.2	202.7	231.3	328.9	511.7	709.3	660.8	519.9	426.9	317.1	327.3
75°	104.2	102.6	119.0	175.2	321.7	549.5	564.8	406.0	309.5	178.7	182.8
77.5°	54.6	53.1	58.7	82.7	157.3	327.3	412.1	292.1	191.5	90.4	97.5
80°	35.7	34.7	35.7	44.9	64.3	156.8	244.6	179.2	110.8	38.3	38.8
82.5°	26.0	23.5	25.0	28.1	34.2	47.5	86.3	73.5	48.0	15.8	17.4
85°	14.3	12.8	12.3	16.3	15.8	17.4	13.8	11.2	9.2	6.1	6.1
87.5°	8.2	5.1	4.1	5.1	4.1	4.1	3.6	3.1	3.6	2.6	2.6
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°	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3
2.5°	164.4	168.5	167.0	166.5	170.6	171.1	171.1	164.4	158.3	162.9
5°	176.2	179.2	179.2	181.8	181.3	183.3	181.3	170.1	173.6	169.5
7.5°	187.4	184.3	187.9	186.9	191.5	187.4	185.4	176.7	177.2	182.3
10°	192.5	188.9	193.0	191.5	198.1	195.1	191.0	182.8	182.3	187.9
12.5°	198.6	193.5	199.7	197.6	205.3	203.8	198.6	191.0	191.0	196.1
15°	204.8	199.2	207.3	205.8	216.5	215.0	209.9	201.7	204.3	207.3
17.5°	210.4	205.8	216.5	215.5	228.3	227.2	222.6	215.0	218.6	219.6
20°	217.5	213.5	226.7	227.2	240.0	240.5	234.9	229.8	232.4	233.9
22.5°	226.7	224.7	239.5	238.0	251.8	253.8	249.2	246.1	248.7	250.7
25°	239.0	238.5	251.8	249.2	262.5	268.6	264.0	264.0	267.6	269.6
27.5°	256.9	253.3	264.5	261.5	275.2	284.9	281.4	284.4	287.0	289.5
30°	277.3	269.6	277.3	274.2	289.5	301.8	300.8	304.9	309.0	311.5
32.5°	300.3	287.0	290.1	287.0	304.4	319.2	320.7	327.8	331.9	333.5
35°	325.3	304.9	304.4	301.3	321.2	339.6	343.7	352.9	355.4	357.5
37.5°	349.8	322.7	320.2	318.1	341.1	362.6	365.6	377.4	377.9	378.4
40°	373.3	342.7	340.1	339.1	364.6	384.5	390.7	400.4	400.4	398.8
42.5°	396.3	362.6	363.1	362.6	390.1	410.1	415.2	421.3	418.7	418.2
45°	422.3	381.5	389.1	390.1	420.3	436.6	437.1	441.7	440.7	439.7
47.5°	449.9	400.9	418.2	418.7	452.4	467.3	461.6	464.2	463.2	461.1
50°	478.5	422.3	446.8	449.9	492.8	497.4	486.1	486.7	485.1	482.1
52.5°	503.0	446.8	473.9	482.1	537.2	534.7	513.7	509.6	505.0	499.9
55°	526.0	472.9	501.0	517.3	578.1	569.4	541.3	530.1	517.8	514.7
57.5°	541.8	495.9	529.0	547.4	618.9	605.6	565.3	540.8	518.3	513.2
60°	549.0	519.9	561.7	581.6	658.8	636.8	581.1	537.7	507.1	500.4
62.5°	542.8	541.3	587.3	621.0	708.3	660.3	580.6	520.4	479.0	471.9
65°	527.5	561.2	605.1	664.4	747.1	665.4	559.2	479.0	426.4	418.2
67.5°	501.0	578.1	610.8	704.7	767.5	652.1	513.7	412.1	361.0	354.4
68°	495.3	580.1	610.8	711.9	768.5	645.5	499.4	399.8	345.7	343.2
70°	456.0	579.1	609.2	737.9	756.3	586.7	423.3	315.1	274.2	264.5
72.5°	354.4	513.2	552.0	688.9	625.0	409.6	256.9	176.2	155.8	147.1
75°	215.5	376.4	410.1	519.3	391.2	220.6	138.4	96.5	86.8	86.8
77.5°	118.0	234.9	274.2	348.8	200.7	117.5	77.1	57.2	54.1	57.7
80°	48.0	124.6	162.9	167.5	82.7	58.2	48.5	35.7	35.2	36.8
82.5°	18.4	49.0	54.1	42.9	35.7	34.2	30.6	24.0	23.0	27.1
85°	6.1	9.2	11.2	11.7	17.9	18.9	20.4	14.3	13.8	17.9
87.5°	3.1	3.6	3.1	3.6	4.1	4.1	4.1	4.1	4.6	8.7
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)