

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: STREETWORKS

Report Number: P637279

Luminaire Tested: **IFLD-L-SA7A-722-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637279  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-722-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22237.1 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

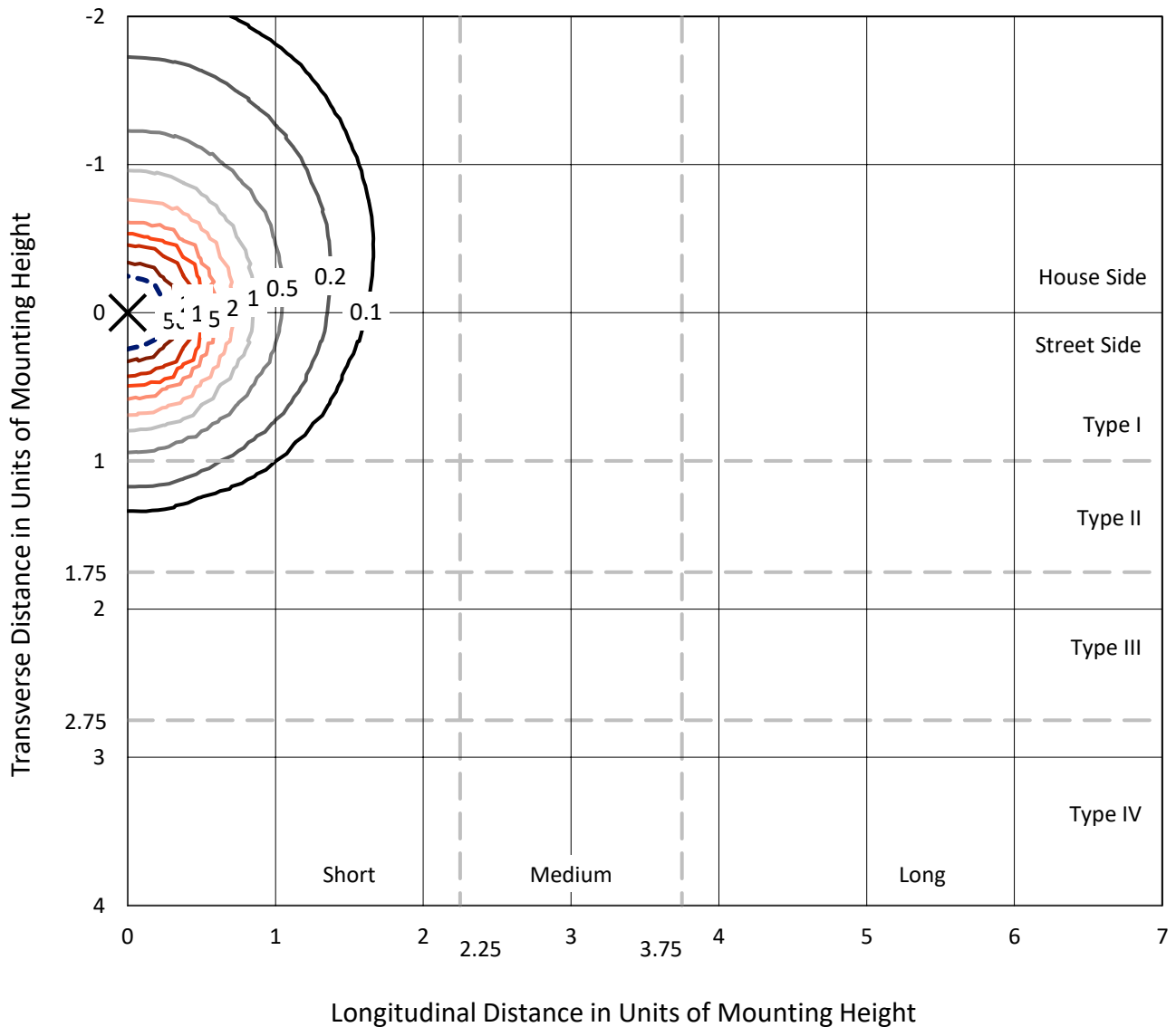
Input Watts (W): 217.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

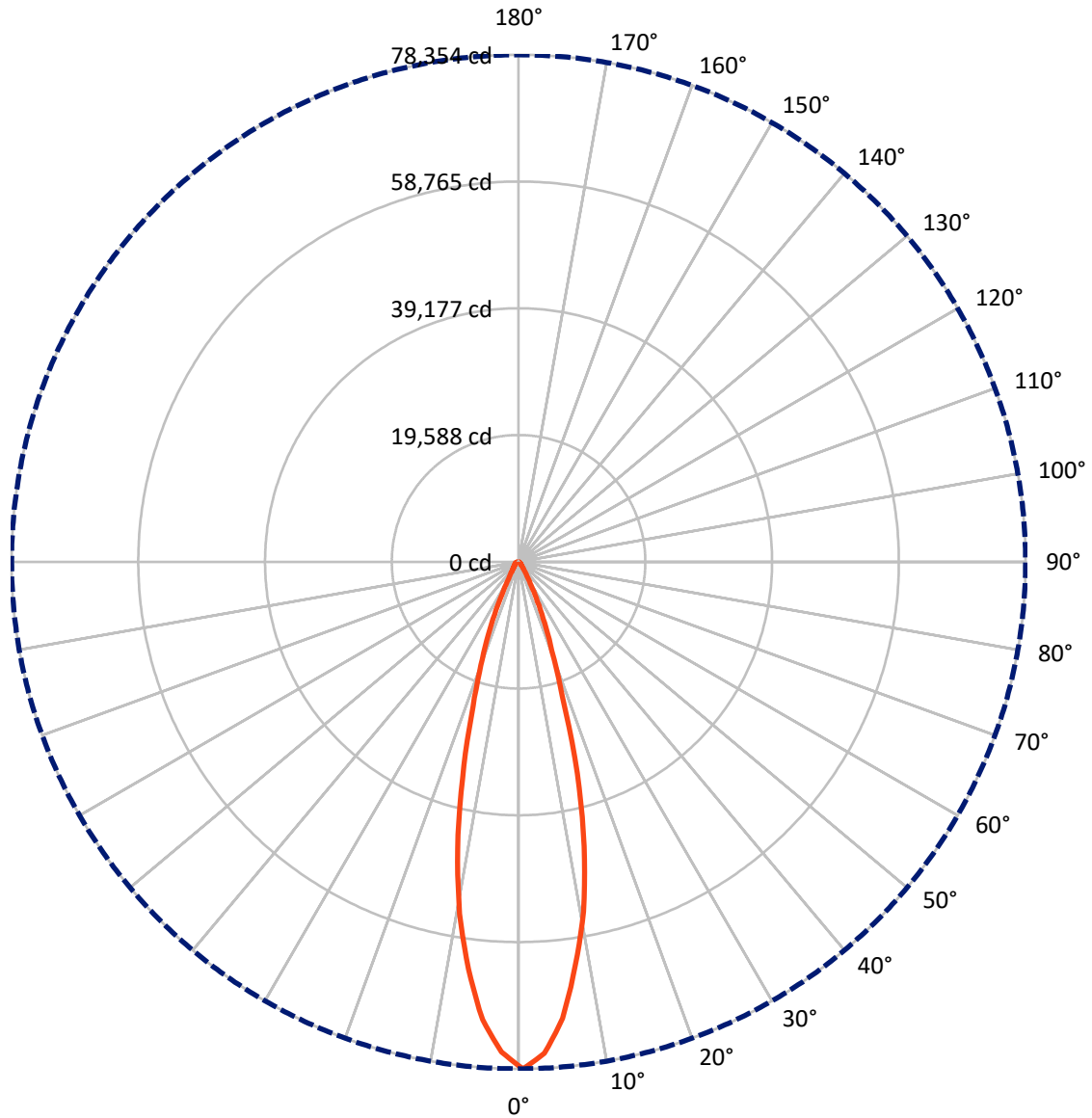
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 195.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11724.9	0.0	11724.9
	% Fixture	52.7	0.0	52.7
<b>Street Side</b>	Lumens	10512.2	0.0	10512.2
	% Fixture	47.3	0.0	47.3
<b>Total</b>	Lumens	22237.1	0.0	22237.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6323.9	28.4
10°-20°	9577.4	43.1
20°-30°	4041.7	18.2
30°-40°	1054.1	4.7
40°-50°	533.2	2.4
50°-60°	348.5	1.6
60°-70°	208.8	0.9
70°-80°	109.8	0.5
80°-90°	39.7	0.2
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°	22237.1	100.0
0°-180°	22237.1	100.0

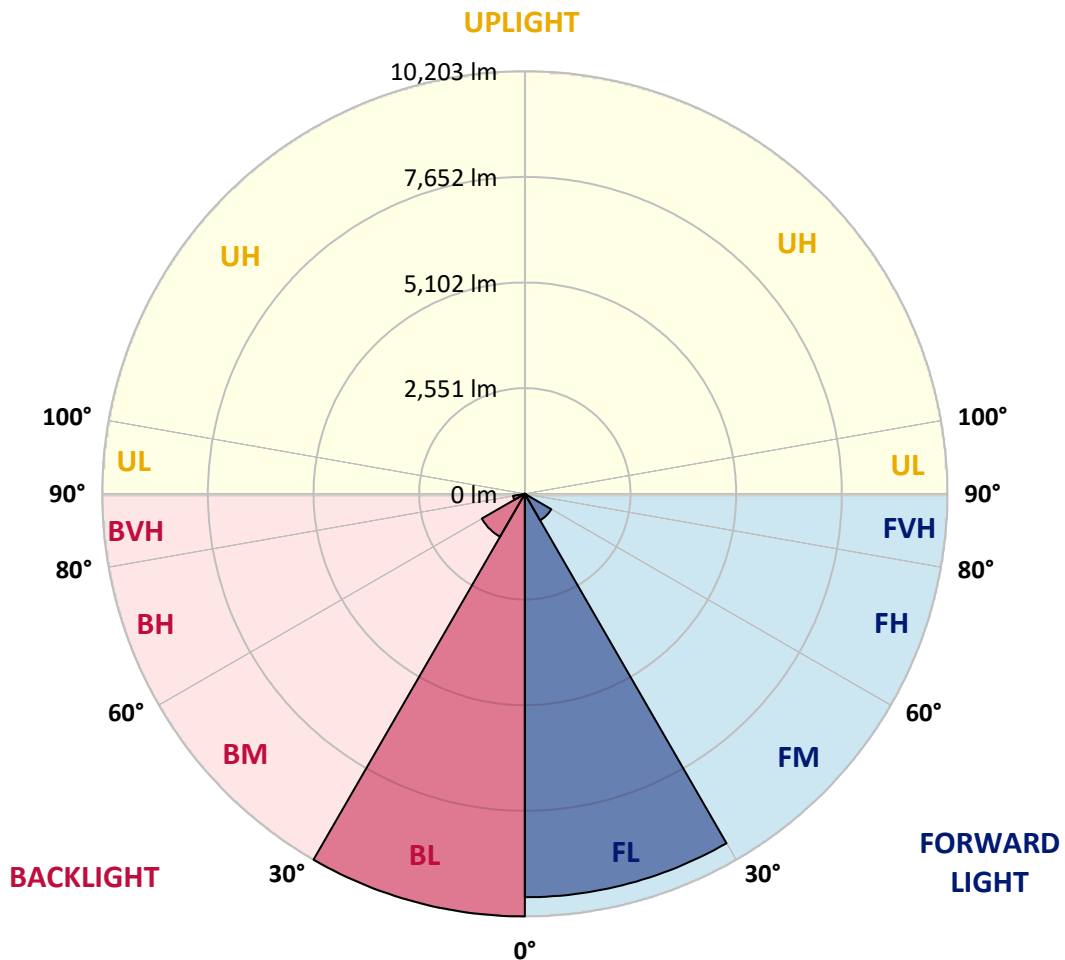


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9739.7	43.8			
FM (30°-60°)	737.6	3.3			
FH (60°-80°)	30.1	0.1			G0/660
FVH (80°-90°)	4.8	0.0			G0/10
BL (0°-30°)	10203.3	45.9	B5		
BM (30°-60°)	1198.2	5.4	B2/2500		
BH (60°-80°)	288.6	1.3	B1/500		G0/660
BVH (80°-90°)	34.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9
2.5°	76071.4	76113.8	75956.5	76296.1	76031.4	76740.6	76388.5	76937.9	76753.1	77060.3
5°	70877.1	70807.2	70762.2	71289.1	71136.8	71898.5	71411.5	71251.7	71746.1	71656.2
7.5°	63033.2	63218.0	63113.1	63250.5	63327.9	64196.9	64471.6	64256.9	64264.4	64389.2
10°	54992.1	54719.9	54332.8	54590.0	55134.4	55514.0	55361.6	55676.3	55606.4	55903.6
12.5°	45097.9	45312.7	45095.4	44865.7	45817.1	45712.3	45977.0	46149.3	45717.2	46678.7
15°	33970.2	34082.5	34347.2	34329.8	35061.5	35208.8	35173.8	35356.1	35019.0	35178.8
17.5°	21823.5	22203.1	22914.8	24118.5	25472.0	25629.3	25589.4	25439.5	25277.2	25097.4
20°	14658.9	14618.9	14876.1	15228.3	18030.2	18771.9	18749.4	18279.9	17600.7	17470.8
22.5°	10268.7	10343.6	10308.7	10658.3	11237.6	13282.9	13030.7	12553.7	12331.4	12186.6
25°	6755.1	6727.6	6902.4	7007.3	7504.3	7754.0	8638.0	8460.7	8118.6	8156.0
27.5°	4118.0	4152.9	4217.9	4307.8	4659.9	4580.0	5084.4	5151.8	5042.0	4924.6
30°	2527.2	2552.2	2604.6	2669.6	2791.9	2704.5	2844.4	3086.6	3046.7	2964.2
32.5°	1715.6	1718.1	1755.6	1780.5	1765.6	1683.1	1728.1	1957.8	1962.8	1955.4
35°	1233.6	1233.6	1268.6	1288.6	1246.1	1178.7	1186.2	1328.5	1391.0	1403.5
37.5°	851.6	854.1	914.0	973.9	926.5	909.0	879.0	973.9	1073.8	1088.8
40°	646.8	644.3	674.3	719.2	724.2	691.7	701.7	761.7	864.1	876.5
42.5°	524.4	526.9	541.9	536.9	539.4	581.9	596.8	624.3	719.2	741.7
45°	442.0	444.5	452.0	427.0	417.0	482.0	501.9	516.9	596.8	624.3
47.5°	364.6	369.6	377.1	349.6	344.6	387.1	422.0	437.0	506.9	536.9
50°	262.2	267.2	294.7	279.7	294.7	304.7	352.1	374.6	422.0	462.0
52.5°	189.8	194.8	202.3	204.8	242.2	247.2	282.2	317.2	339.6	384.6
55°	149.8	154.8	149.8	144.8	177.3	204.8	217.3	254.7	272.2	324.6
57.5°	84.9	89.9	97.4	112.4	117.4	157.3	169.8	202.3	217.3	267.2
60°	15.0	17.5	27.5	67.4	82.4	99.9	127.4	154.8	174.8	209.8
62.5°	2.5	2.5	5.0	15.0	47.4	69.9	92.4	109.9	127.4	159.8
65°	0.0	0.0	2.5	5.0	12.5	40.0	49.9	64.9	87.4	114.9
67.5°	0.0	0.0	2.5	5.0	7.5	15.0	22.5	40.0	49.9	77.4
70°	0.0	0.0	2.5	5.0	7.5	10.0	12.5	17.5	30.0	47.4
72.5°	0.0	0.0	2.5	5.0	7.5	10.0	12.5	15.0	15.0	30.0
75°	0.0	0.0	2.5	5.0	7.5	12.5	15.0	15.0	12.5	12.5
77.5°	0.0	0.0	2.5	5.0	10.0	15.0	17.5	15.0	10.0	10.0
80°	0.0	0.0	5.0	7.5	12.5	17.5	22.5	17.5	10.0	5.0
82.5°	0.0	0.0	5.0	10.0	12.5	20.0	27.5	22.5	10.0	5.0
85°	0.0	0.0	2.5	7.5	15.0	20.0	27.5	20.0	10.0	2.5
87.5°	0.0	0.0	2.5	2.5	5.0	7.5	15.0	12.5	5.0	2.5
90°	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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
78353.9	0°	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9	78353.9
76478.4	2.5°	76918.0	77317.5	77399.9	77290.0	77449.9	77162.7	76942.9	76373.6	76031.4	75779.2
71628.8	5°	72090.8	72030.8	72447.9	72585.2	72567.7	72348.0	72040.8	71696.2	71361.6	70987.0
64147.0	7.5°	64546.6	64624.0	65003.5	65245.8	65123.4	64848.7	64636.5	64376.7	64152.0	63390.3
56010.9	10°	56522.9	55991.0	56462.9	56462.9	56790.1	56013.4	56085.9	55431.6	55461.5	55169.4
46661.2	12.5°	46821.0	47013.3	47090.7	47313.0	46930.9	46518.9	46014.4	45914.5	45602.4	45317.7
34874.2	15°	35376.1	35925.5	35453.5	36260.1	35870.6	35441.0	35363.6	34589.5	34834.2	34589.5
25294.7	17.5°	25169.8	25776.7	25966.5	26428.5	26073.8	25819.1	25497.0	25262.2	25244.8	24780.3
17708.0	20°	17847.9	18457.2	18597.1	19151.4	19111.5	19031.6	18759.4	18462.2	18140.1	18000.2
12054.3	22.5°	12236.5	12733.5	13198.0	13944.7	13932.2	13697.4	13670.0	13250.4	13257.9	13113.1
8143.5	25°	8228.5	8590.6	8700.4	9464.6	9549.5	9524.5	9382.2	8992.6	9140.0	8907.7
4974.5	27.5°	4979.5	5296.7	5668.8	5938.5	6193.2	6153.2	6010.9	5793.6	5698.7	5616.3
2989.2	30°	3069.1	3211.5	3348.8	3673.5	3825.8	3905.7	3838.3	3636.0	3651.0	3586.1
1967.8	32.5°	2010.3	2130.2	2230.0	2434.8	2514.7	2662.1	2634.6	2592.2	2542.2	2524.7
1415.9	35°	1465.9	1553.3	1620.7	1715.6	1818.0	1942.9	1962.8	1945.4	1925.4	1917.9
1093.8	37.5°	1118.8	1208.7	1286.1	1326.0	1406.0	1503.3	1558.3	1555.8	1540.8	1533.3
891.5	40°	909.0	976.4	1046.3	1098.8	1153.7	1226.2	1293.6	1301.1	1301.1	1286.1
749.2	42.5°	759.2	816.6	886.5	941.5	981.4	1048.8	1118.8	1123.8	1118.8	1113.8
634.3	45°	649.3	699.2	766.7	831.6	864.1	914.0	981.4	996.4	986.4	986.4
544.4	47.5°	564.4	609.3	666.8	736.7	771.7	816.6	879.0	896.5	894.0	889.0
469.5	50°	484.5	536.9	594.3	651.8	696.7	739.2	799.1	819.1	811.6	806.6
399.6	52.5°	427.0	474.5	524.4	586.9	639.3	676.8	724.2	759.2	749.2	746.7
337.1	55°	357.1	414.5	467.0	519.4	584.4	624.3	669.3	711.7	701.7	706.7
284.7	57.5°	309.7	357.1	417.0	464.5	529.4	576.9	621.8	666.8	664.3	666.8
232.2	60°	259.7	309.7	367.1	417.0	477.0	529.4	574.4	624.3	629.3	631.8
174.8	62.5°	204.8	264.7	314.7	372.1	432.0	489.5	529.4	579.4	586.9	591.8
132.4	65°	154.8	217.3	272.2	327.1	387.1	449.5	484.5	526.9	534.4	541.9
97.4	67.5°	114.9	167.3	232.2	282.2	344.6	404.6	437.0	472.0	484.5	489.5
59.9	70°	87.4	127.4	194.8	242.2	307.2	354.6	389.6	419.5	429.5	434.5
40.0	72.5°	54.9	99.9	157.3	207.3	264.7	307.2	332.1	349.6	364.6	362.1
22.5	75°	37.5	77.4	127.4	177.3	219.8	252.2	274.7	289.7	302.2	299.7
10.0	77.5°	22.5	59.9	104.9	147.3	174.8	199.8	222.3	232.2	239.7	237.2
7.5	80°	12.5	45.0	87.4	119.9	137.3	154.8	172.3	184.8	189.8	184.8
5.0	82.5°	7.5	35.0	69.9	92.4	99.9	117.4	134.9	142.3	142.3	139.8
2.5	85°	5.0	25.0	47.4	67.4	72.4	84.9	89.9	94.9	99.9	97.4
2.5	87.5°	5.0	15.0	30.0	37.5	40.0	45.0	47.4	52.4	57.4	54.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

