

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: P637280

Luminaire Tested: **IFLD-L-SA7B-722-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637280  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-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: 25300.2 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

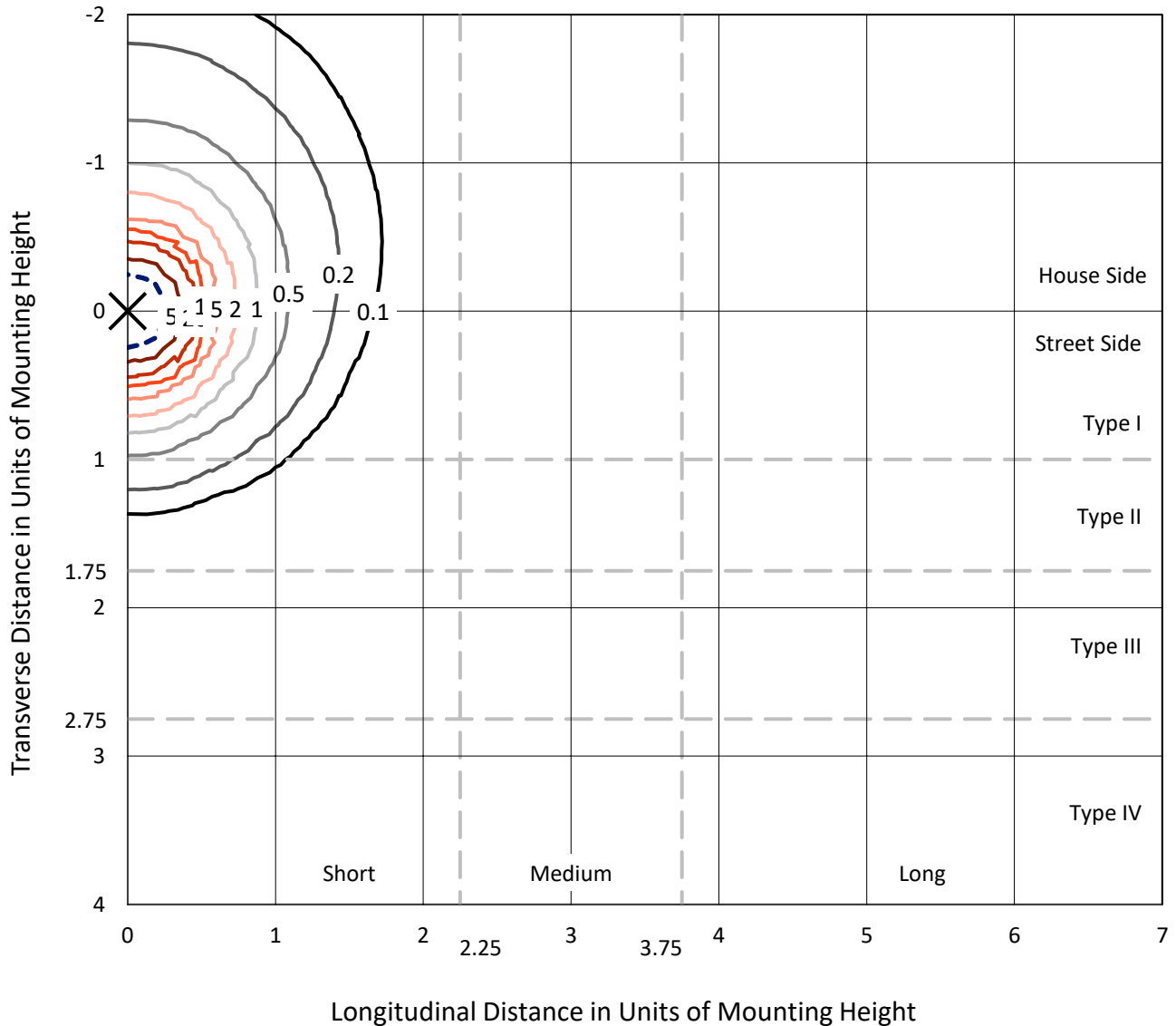
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

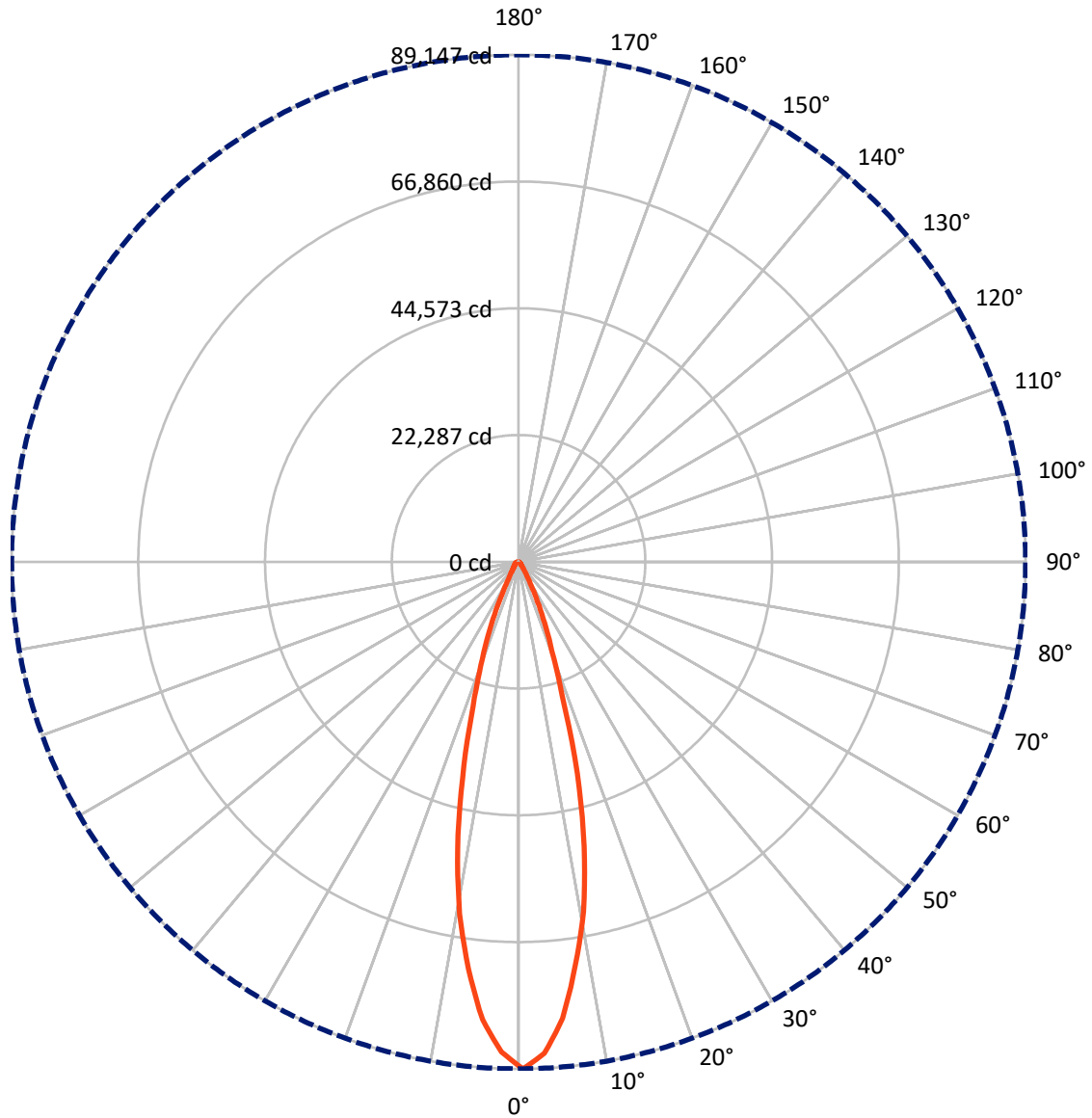
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 222.9 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	13340.0	0.0	13340.0
	% Fixture	52.7	0.0	52.7
<b>Street Side</b>	Lumens	11960.2	0.0	11960.2
	% Fixture	47.3	0.0	47.3
<b>Total</b>	Lumens	25300.2	0.0	25300.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7195.0	28.4
10°-20°	10896.7	43.1
20°-30°	4598.5	18.2
30°-40°	1199.3	4.7
40°-50°	606.6	2.4
50°-60°	396.5	1.6
60°-70°	237.5	0.9
70°-80°	125.0	0.5
80°-90°	45.1	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°	25300.2	100.0
0°-180°	25300.2	100.0

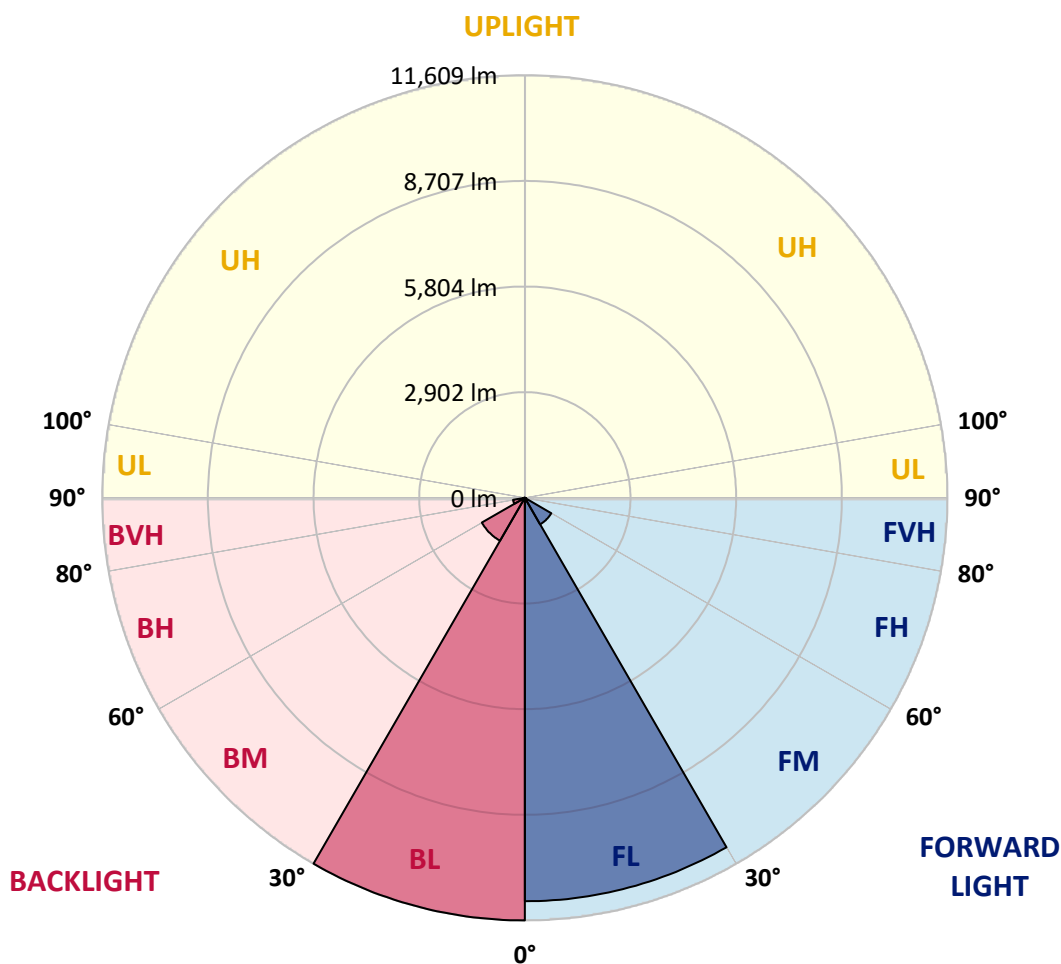


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11081.3	43.8			
FM (30°-60°)	839.2	3.3			
FH (60°-80°)	34.2	0.1			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	11608.8	45.9	B5		
BM (30°-60°)	1363.2	5.4	B2/2500		
BH (60°-80°)	328.3	1.3	B1/500		G0/660
BVH (80°-90°)	39.7	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°	89146.9	89146.9	89146.9	89146.9	89146.9	89146.9	89146.9	89146.9	89146.9	89146.9
2.5°	86550.0	86598.3	86419.3	86805.7	86504.5	87311.5	86910.8	87535.9	87325.7	87675.1
5°	80640.2	80560.7	80509.5	81109.0	80935.7	81802.3	81248.2	81066.4	81629.0	81526.7
7.5°	71715.9	71926.1	71806.8	71963.0	72051.1	73039.9	73352.4	73108.1	73116.6	73258.7
10°	62567.1	62257.4	61817.0	62109.6	62729.0	63160.9	62987.6	63345.6	63266.0	63604.1
12.5°	51310.0	51554.4	51307.2	51045.8	52128.3	52009.0	52310.2	52506.2	52014.7	53108.5
15°	38649.5	38777.3	39078.5	39058.6	39891.1	40058.7	40018.9	40226.3	39842.8	40024.6
17.5°	24829.6	25261.5	26071.3	27440.7	28980.7	29159.7	29114.2	28943.8	28759.1	28554.5
20°	16678.1	16632.6	16925.3	17325.9	20513.8	21357.6	21332.1	20797.9	20025.1	19877.3
22.5°	11683.2	11768.4	11728.7	12126.4	12785.6	15112.6	14825.6	14282.9	14030.1	13865.3
25°	7685.6	7654.3	7853.2	7972.5	8537.9	8822.1	9827.9	9626.1	9236.9	9279.5
27.5°	4685.2	4725.0	4798.9	4901.1	5301.8	5210.8	5784.8	5861.5	5736.5	5602.9
30°	2875.3	2903.8	2963.4	3037.3	3176.5	3077.1	3236.2	3511.8	3466.3	3372.6
32.5°	1951.9	1954.8	1997.4	2025.8	2008.8	1915.0	1966.1	2227.5	2233.2	2224.7
35°	1403.6	1403.6	1443.4	1466.1	1417.8	1341.1	1349.6	1511.5	1582.6	1596.8
37.5°	968.9	971.7	1039.9	1108.1	1054.1	1034.2	1000.1	1108.1	1221.7	1238.8
40°	735.9	733.0	767.1	818.3	824.0	787.0	798.4	866.6	983.1	997.3
42.5°	596.7	599.5	616.6	610.9	613.7	662.0	679.1	710.3	818.3	843.8
45°	502.9	505.7	514.3	485.9	474.5	548.4	571.1	588.1	679.1	710.3
47.5°	414.8	420.5	429.0	397.8	392.1	440.4	480.2	497.2	576.8	610.9
50°	298.3	304.0	335.3	318.2	335.3	346.6	400.6	426.2	480.2	525.6
52.5°	215.9	221.6	230.1	233.0	275.6	281.3	321.1	360.8	386.4	437.6
55°	170.5	176.2	170.5	164.8	201.7	233.0	247.2	289.8	309.7	369.4
57.5°	96.6	102.3	110.8	127.9	133.5	179.0	193.2	230.1	247.2	304.0
60°	17.0	19.9	31.3	76.7	93.8	113.6	144.9	176.2	198.9	238.7
62.5°	2.8	2.8	5.7	17.0	54.0	79.6	105.1	125.0	144.9	181.8
65°	0.0	0.0	2.8	5.7	14.2	45.5	56.8	73.9	99.4	130.7
67.5°	0.0	0.0	2.8	5.7	8.5	17.0	25.6	45.5	56.8	88.1
70°	0.0	0.0	2.8	5.7	8.5	11.4	14.2	19.9	34.1	54.0
72.5°	0.0	0.0	2.8	5.7	8.5	11.4	14.2	17.0	17.0	34.1
75°	0.0	0.0	2.8	5.7	8.5	14.2	17.0	17.0	14.2	14.2
77.5°	0.0	0.0	2.8	5.7	11.4	17.0	19.9	17.0	11.4	11.4
80°	0.0	0.0	5.7	8.5	14.2	19.9	25.6	19.9	11.4	5.7
82.5°	0.0	0.0	5.7	11.4	14.2	22.7	31.3	25.6	11.4	5.7
85°	0.0	0.0	2.8	8.5	17.0	22.7	31.3	22.7	11.4	2.8
87.5°	0.0	0.0	2.8	2.8	5.7	8.5	17.0	14.2	5.7	2.8
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°
<i>89146.9</i>	0°	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>	<i>89146.9</i>
87013.1	2.5°	87513.2	87967.8	88061.5	87936.5	88118.4	87791.6	87541.6	86893.8	86504.5	86217.6
81495.4	5°	82021.1	81952.9	82427.4	82583.6	82563.7	82313.7	81964.2	81572.1	81191.4	80765.2
72983.1	7.5°	73437.7	73525.7	73957.6	74233.2	74094.0	73781.4	73539.9	73244.5	72988.7	72122.2
63726.3	10°	64308.7	63703.6	64240.5	64240.5	64612.7	63729.1	63811.5	63067.1	63101.2	62768.8
53088.7	12.5°	53270.5	53489.3	53577.4	53830.2	53395.5	52926.7	52352.8	52239.1	51884.0	51560.1
39678.0	15°	40249.1	40874.1	40337.2	41254.9	40811.6	40322.9	40234.9	39354.1	39632.5	39354.1
28779.0	17.5°	28636.9	29327.3	29543.3	30068.9	29665.4	29375.6	29009.1	28742.0	28722.1	28193.7
20147.3	20°	20306.4	20999.6	21158.8	21789.5	21744.0	21653.1	21343.4	21005.3	20638.8	20479.7
13714.7	22.5°	13922.1	14487.5	15016.0	15865.5	15851.3	15584.2	15553.0	15075.6	15084.2	14919.4
9265.3	25°	9361.9	9773.9	9898.9	10768.3	10864.9	10836.5	10674.6	10231.3	10399.0	10134.7
5659.8	27.5°	5665.4	6026.3	6449.6	6756.5	7046.3	7000.8	6838.9	6591.7	6483.7	6390.0
3401.0	30°	3491.9	3653.8	3810.1	4179.5	4352.8	4443.7	4367.0	4136.9	4153.9	4080.0
2238.9	32.5°	2287.2	2423.6	2537.2	2770.2	2861.1	3028.8	2997.5	2949.2	2892.4	2872.5
1611.0	35°	1667.8	1767.3	1844.0	1951.9	2068.4	2210.5	2233.2	2213.3	2190.6	2182.1
1244.5	37.5°	1272.9	1375.2	1463.2	1508.7	1599.6	1710.4	1772.9	1770.1	1753.0	1744.5
1014.3	40°	1034.2	1110.9	1190.5	1250.1	1312.7	1395.1	1471.8	1480.3	1480.3	1463.2
852.4	42.5°	863.7	929.1	1008.6	1071.1	1116.6	1193.3	1272.9	1278.6	1272.9	1267.2
721.7	45°	738.7	795.5	872.3	946.1	983.1	1039.9	1116.6	1133.7	1122.3	1122.3
619.4	47.5°	642.1	693.3	758.6	838.2	877.9	929.1	1000.1	1020.0	1017.2	1011.5
534.2	50°	551.2	610.9	676.2	741.6	792.7	841.0	909.2	931.9	923.4	917.7
454.6	52.5°	485.9	539.8	596.7	667.7	727.4	770.0	824.0	863.7	852.4	849.5
383.6	55°	406.3	471.6	531.3	591.0	664.9	710.3	761.5	809.8	798.4	804.1
323.9	57.5°	352.3	406.3	474.5	528.5	602.3	656.3	707.5	758.6	755.8	758.6
264.2	60°	295.5	352.3	417.7	474.5	542.7	602.3	653.5	710.3	716.0	718.8
198.9	62.5°	233.0	301.2	358.0	423.3	491.5	556.9	602.3	659.2	667.7	673.4
150.6	65°	176.2	247.2	309.7	372.2	440.4	511.4	551.2	599.5	608.0	616.6
110.8	67.5°	130.7	190.4	264.2	321.1	392.1	460.3	497.2	537.0	551.2	556.9
68.2	70°	99.4	144.9	221.6	275.6	349.5	403.5	443.2	477.3	488.7	494.4
45.5	72.5°	62.5	113.6	179.0	235.8	301.2	349.5	377.9	397.8	414.8	412.0
25.6	75°	42.6	88.1	144.9	201.7	250.0	287.0	312.5	329.6	343.8	340.9
11.4	77.5°	25.6	68.2	119.3	167.6	198.9	227.3	252.9	264.2	272.8	269.9
8.5	80°	14.2	51.1	99.4	136.4	156.3	176.2	196.0	210.3	215.9	210.3
5.7	82.5°	8.5	39.8	79.6	105.1	113.6	133.5	153.4	162.0	162.0	159.1
2.8	85°	5.7	28.4	54.0	76.7	82.4	96.6	102.3	108.0	113.6	110.8
2.8	87.5°	5.7	17.0	34.1	42.6	45.5	51.1	54.0	59.7	65.3	62.5
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

