

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: P524354

Luminaire Tested: **IFLD-S-SA6A-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524354
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17729.6 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6
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: 24 FT

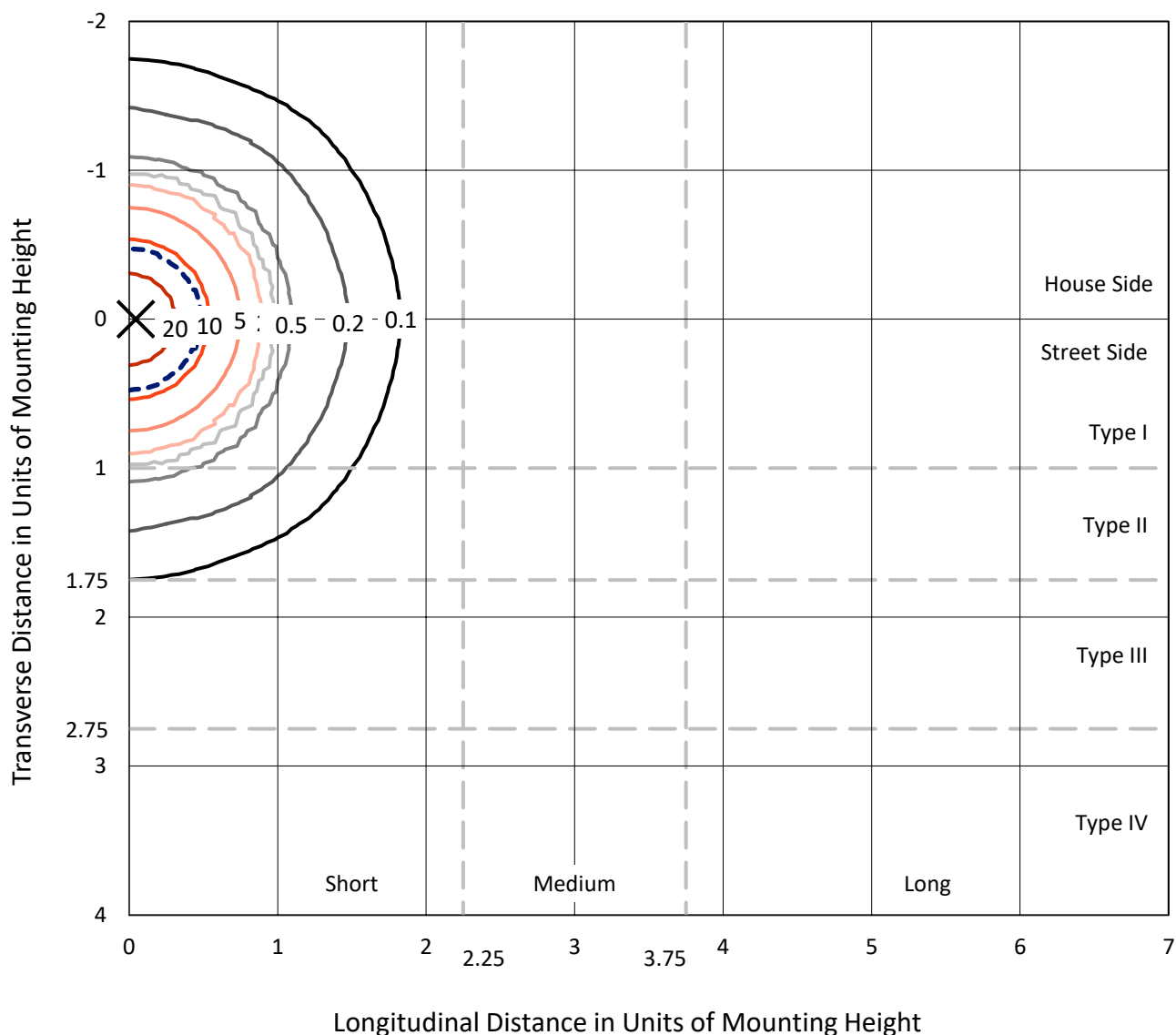
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

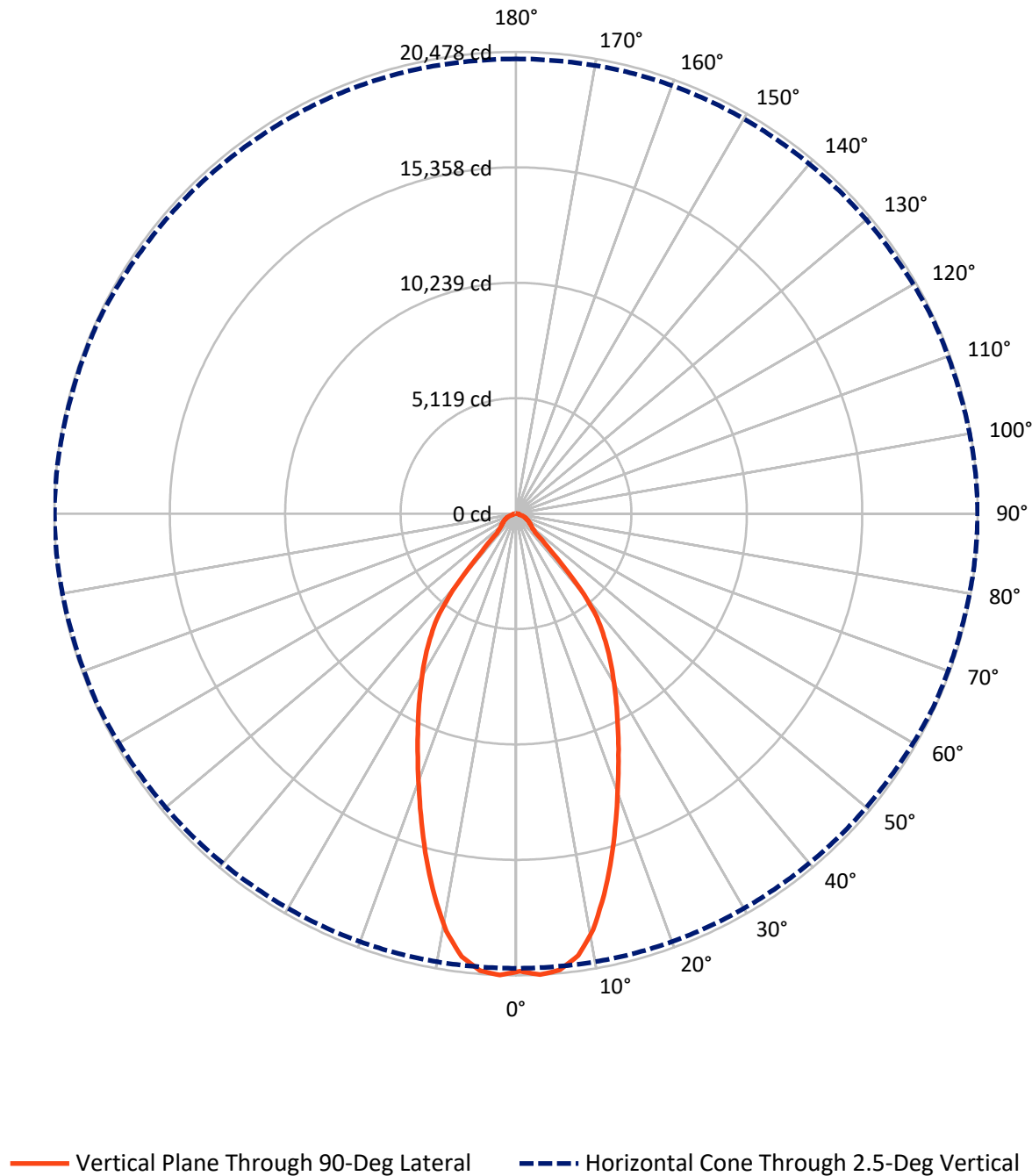


Based on 25 foot mounting height. Maximum calculated value = 32.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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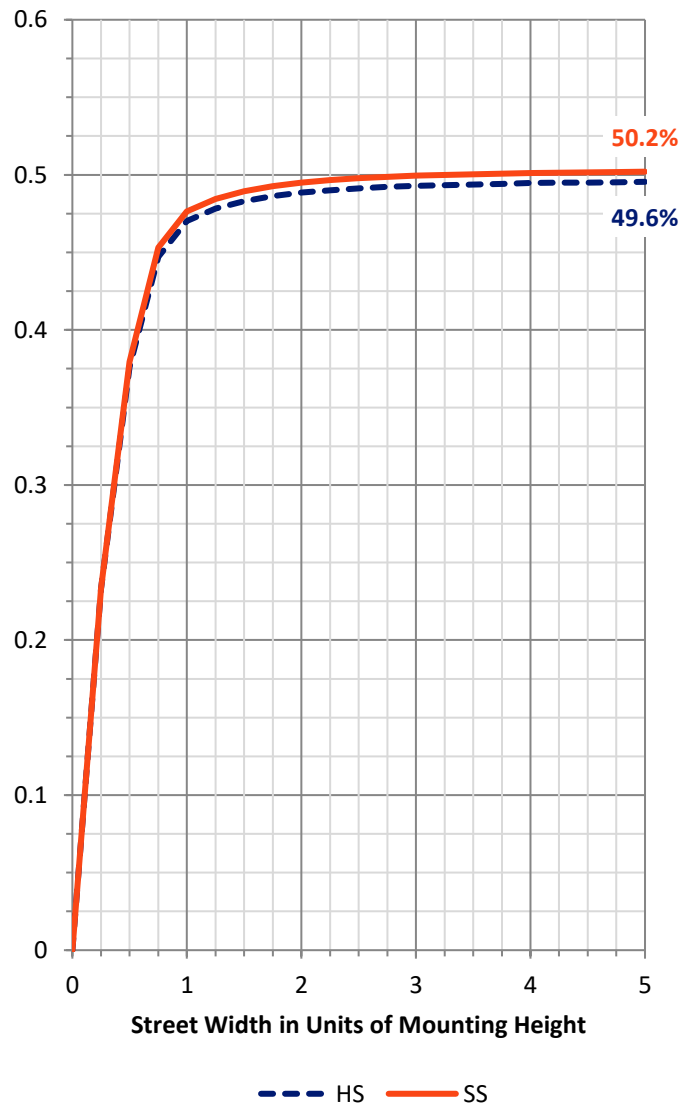
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8864.8	0.0	8864.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8864.8	0.0	8864.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17729.6	0.0	17729.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1870.9	10.6
10°-20°	4318.8	24.4
20°-30°	4741.7	26.7
30°-40°	4111.4	23.2
40°-50°	1352.8	7.6
50°-60°	606.6	3.4
60°-70°	428.7	2.4
70°-80°	232.8	1.3
80°-90°	66.0	0.4
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°	17729.6	100.0
0°-180°	17729.6	100.0

Coefficient of Utilization



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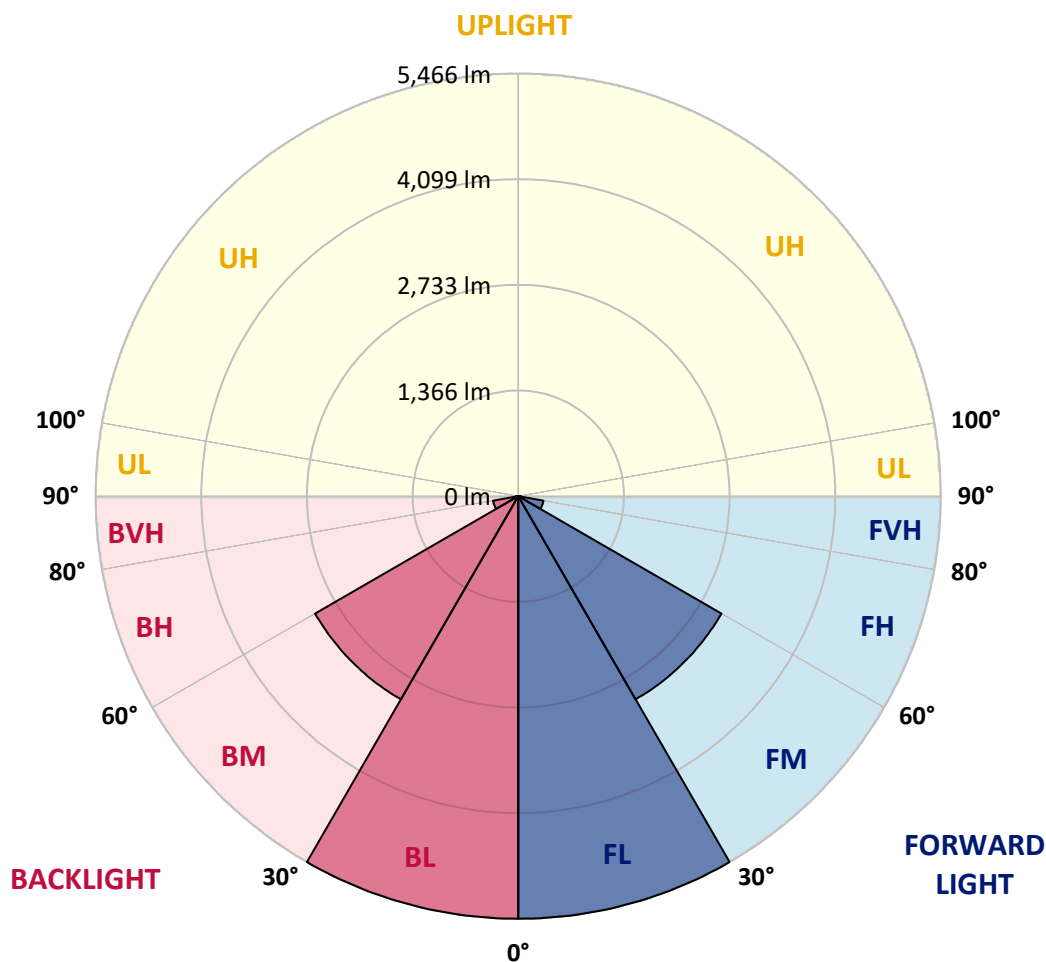
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5465.7	30.8			
FM	(30°-60°)	3035.4	17.1			
FH	(60°-80°)	330.7	1.9			G0/660
FVH	(80°-90°)	33.0	0.2			G1/100
BL	(0°-30°)	5465.7	30.8	B5		
BM	(30°-60°)	3035.4	17.1	B3/5000		
BH	(60°-80°)	330.7	1.9	B1/500		G0/660
BVH	(80°-90°)	33.0	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°	20294.8	20294.8	20294.8	20294.8	20294.8	20294.8	20294.8	20294.8	20294.8	20294.8
2.5°	20168.6	20165.9	20198.1	20214.2	20222.3	20259.9	20297.5	20396.9	20399.6	20458.7
5°	20141.7	20117.5	20139.0	20106.8	20114.8	20114.8	20163.2	20235.7	20262.6	20321.7
7.5°	19542.6	19537.3	19523.8	19488.9	19531.9	19502.4	19591.0	19655.5	19717.3	19746.8
10°	18425.2	18374.1	18374.1	18325.8	18368.7	18328.5	18473.5	18532.6	18637.4	18699.2
12.5°	16979.9	16958.5	16961.1	16939.6	16937.0	16880.6	17049.8	17100.8	17194.8	17286.2
15°	15438.0	15405.8	15435.3	15435.3	15411.2	15360.1	15540.1	15609.9	15746.9	15789.9
17.5°	13914.9	13901.5	13920.3	13928.3	13909.5	13861.2	14035.8	14188.9	14282.9	14282.9
20°	12518.0	12512.7	12536.8	12512.7	12493.9	12461.6	12622.8	12770.5	12853.8	12859.2
22.5°	11290.4	11320.0	11298.5	11268.9	11228.6	11204.5	11352.2	11489.2	11545.6	11602.0
25°	10213.2	10221.3	10237.4	10191.7	10143.4	10113.8	10224.0	10339.5	10428.1	10460.4
27.5°	9326.7	9356.3	9316.0	9246.2	9219.3	9184.4	9262.3	9345.5	9410.0	9455.7
30°	8464.5	8480.6	8488.6	8416.1	8351.6	8300.6	8365.1	8437.6	8461.8	8502.1
32.5°	7637.1	7663.9	7690.8	7602.2	7556.5	7508.1	7540.4	7586.0	7599.5	7602.2
35°	6812.4	6793.6	6769.4	6737.2	6702.3	6643.2	6675.4	6691.5	6702.3	6702.3
37.5°	5815.8	5831.9	5837.3	5775.5	5759.4	5719.1	5740.6	5743.3	5764.7	5778.2
40°	4400.1	4456.5	4418.9	4381.3	4386.7	4338.3	4330.3	4319.5	4367.9	4386.7
42.5°	2393.5	2490.2	2390.8	2423.0	2398.8	2372.0	2363.9	2377.4	2315.6	2264.5
45°	1203.5	1198.1	1219.6	1219.6	1241.1	1249.1	1230.3	1214.2	1206.1	1184.6
47.5°	969.7	953.6	950.9	964.4	980.5	991.2	975.1	967.1	964.4	977.8
50°	832.7	808.6	800.5	819.3	832.7	843.5	830.1	830.1	827.4	848.9
52.5°	725.3	701.1	701.1	738.7	749.5	760.2	752.2	752.2	752.2	776.3
55°	642.0	623.2	601.7	650.1	685.0	695.7	690.4	687.7	690.4	717.2
57.5°	577.5	566.8	553.4	564.1	617.8	631.3	628.6	628.6	634.0	655.5
60°	515.8	510.4	505.0	505.0	548.0	572.2	569.5	569.5	574.9	588.3
62.5°	459.4	454.0	448.6	454.0	470.1	507.7	507.7	510.4	518.5	523.8
65°	402.9	400.3	400.3	402.9	408.3	437.9	448.6	456.7	464.7	467.4
67.5°	349.2	346.5	349.2	354.6	354.6	368.0	392.2	400.3	408.3	408.3
70°	282.1	295.5	303.5	306.2	311.6	314.3	335.8	351.9	360.0	349.2
72.5°	153.1	174.6	263.3	271.3	274.0	276.7	292.8	311.6	317.0	206.8
75°	110.1	110.1	220.3	233.7	236.4	236.4	249.8	268.6	274.0	158.5
77.5°	72.5	69.8	153.1	169.2	193.4	155.8	204.2	225.6	231.0	131.6
80°	56.4	53.7	118.2	131.6	134.3	107.5	166.5	182.7	185.4	107.5
82.5°	43.0	40.3	86.0	96.7	104.8	69.8	118.2	139.7	145.1	94.0
85°	24.2	24.2	43.0	40.3	61.8	45.7	67.2	69.8	94.0	59.1
87.5°	8.1	10.7	18.8	18.8	21.5	18.8	26.9	26.9	29.5	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

20294.8
20477.5
20332.4
19795.2
18766.3
17348.0
15849.0
14317.8
12888.7
11634.3
10481.8
9469.1
8510.1
7634.4
6734.5
5834.6
4410.9
2288.7
1203.5
988.5
875.7
803.2
733.4
671.6
599.0
531.9
472.8
408.3
308.9
177.3
155.8
128.9
96.7
96.7
56.4
16.1
0.0