

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: P524317

Luminaire Tested: **IFLD-S-SA6C-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524317
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26309 lumens
Efficiency: N/A
Efficacy: 81.8 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): 321.5
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

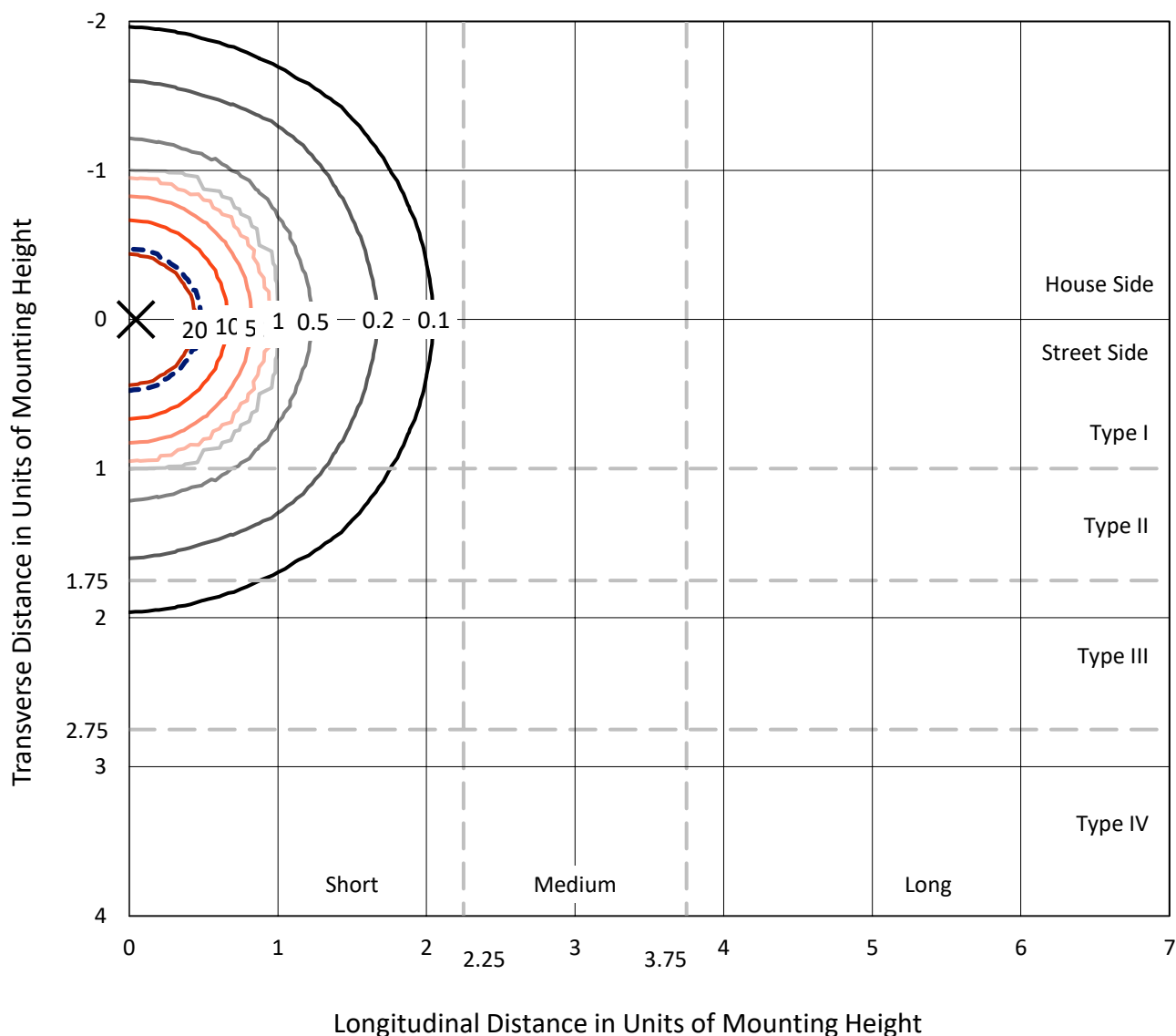
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

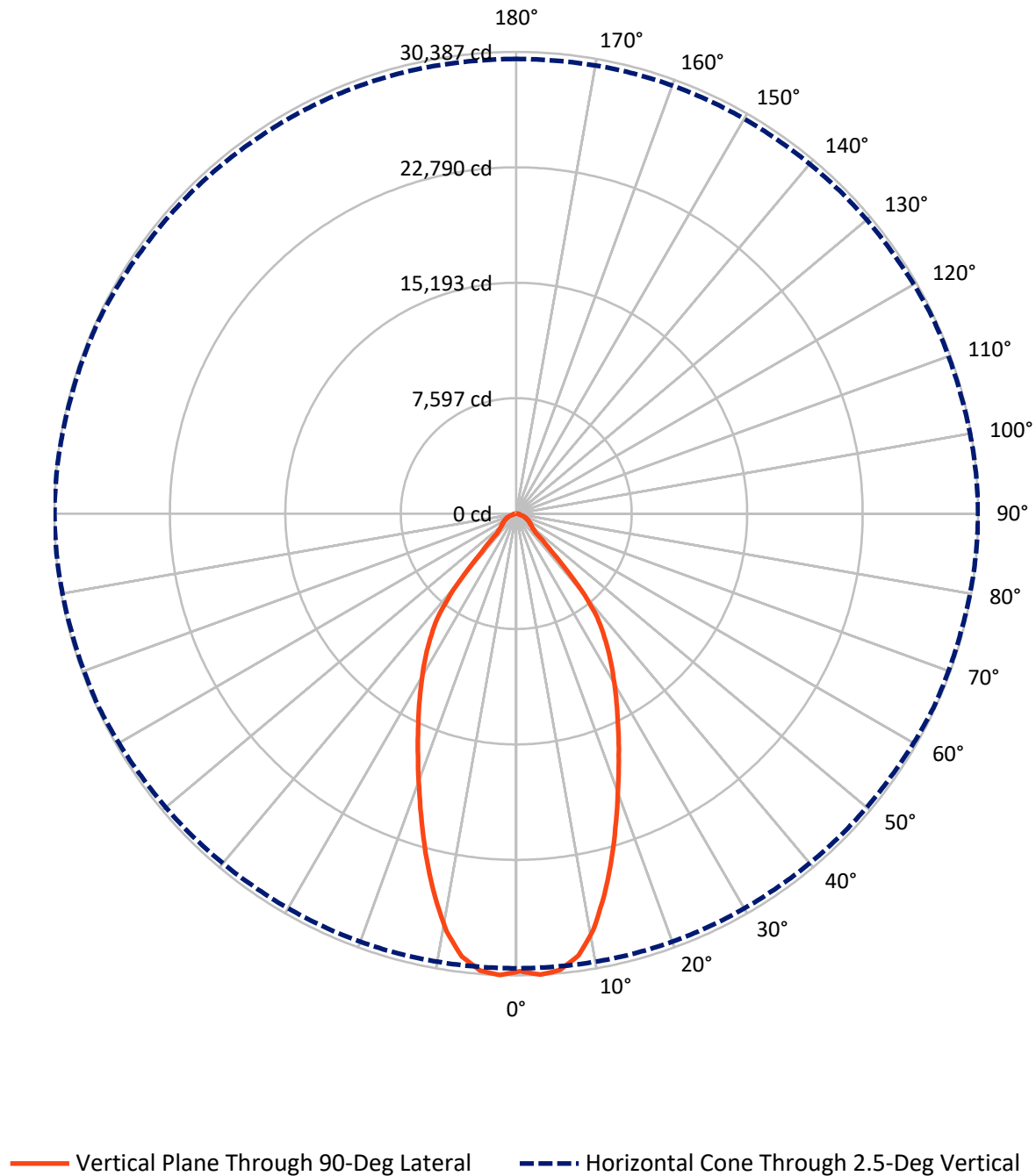


Based on 25 foot mounting height. Maximum calculated value = 48.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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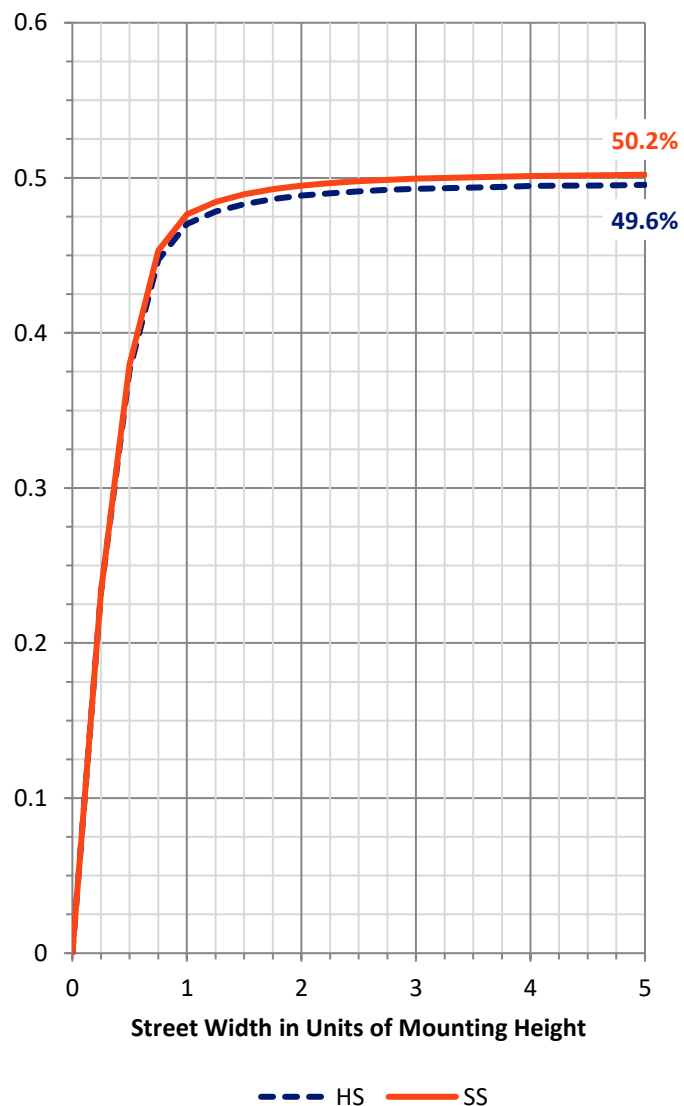
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13154.5	0.0	13154.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13154.5	0.0	13154.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26309.0	0.0	26309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2776.2	10.6
10°-20°	6408.7	24.4
20°-30°	7036.2	26.7
30°-40°	6100.9	23.2
40°-50°	2007.4	7.6
50°-60°	900.1	3.4
60°-70°	636.2	2.4
70°-80°	345.4	1.3
80°-90°	98.0	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°	26309.0	100.0
0°-180°	26309.0	100.0

Coefficient of Utilization



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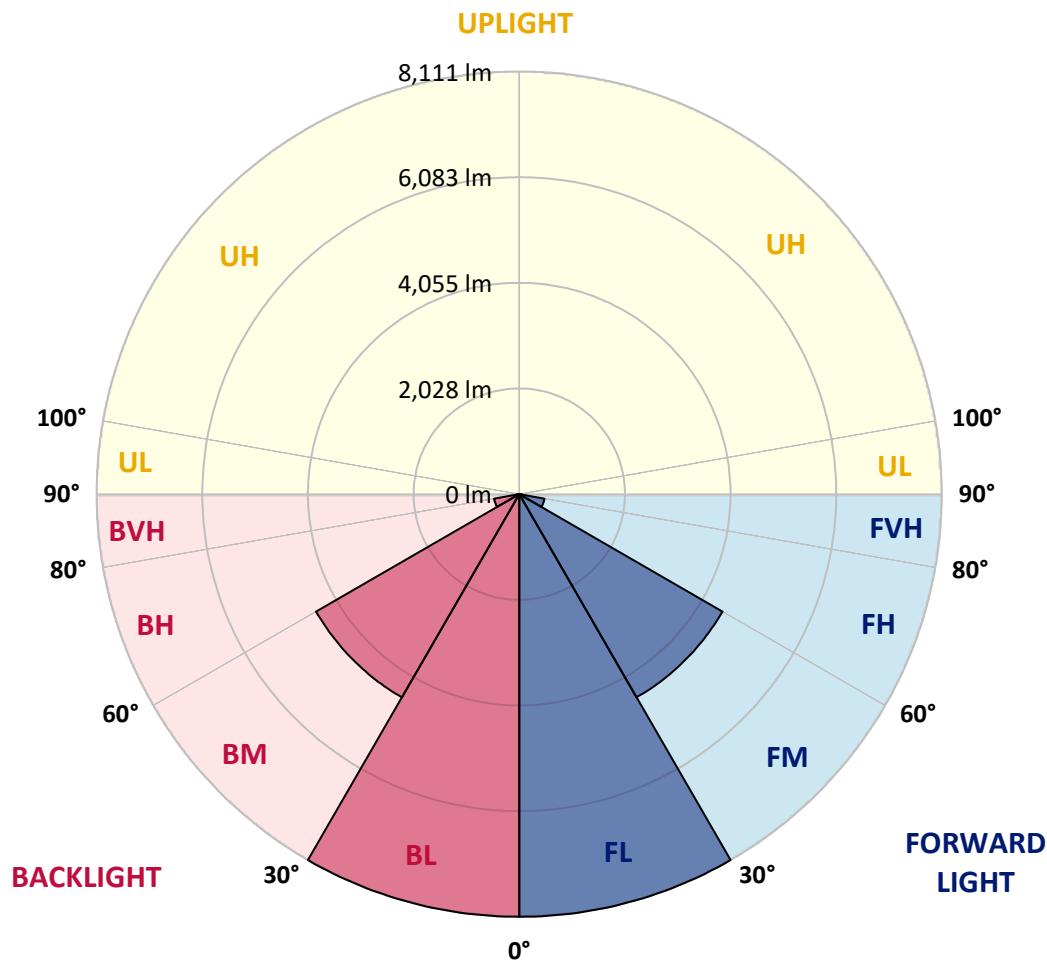
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8110.5	30.8			
FM	(30°-60°)	4504.2	17.1			
FH	(60°-80°)	490.8	1.9			G0/660
FVH	(80°-90°)	49.0	0.2			G1/100
BL	(0°-30°)	8110.5	30.8	B5		
BM	(30°-60°)	4504.2	17.1	B3/5000		
BH	(60°-80°)	490.8	1.9	B1/500		G0/660
BVH	(80°-90°)	49.0	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°	30115.6	30115.6	30115.6	30115.6	30115.6	30115.6	30115.6	30115.6	30115.6	30115.6
2.5°	29928.2	29924.3	29972.1	29996.0	30008.0	30063.8	30119.6	30267.1	30271.1	30358.7
5°	29888.4	29852.5	29884.4	29836.6	29848.5	29848.5	29920.3	30027.9	30067.8	30155.5
7.5°	28999.5	28991.5	28971.6	28919.7	28983.5	28939.7	29071.2	29166.9	29258.6	29302.4
10°	27341.2	27265.5	27265.5	27193.7	27257.5	27197.7	27413.0	27500.7	27656.1	27747.8
12.5°	25196.6	25164.8	25168.7	25136.9	25132.9	25049.2	25300.3	25376.0	25515.5	25651.1
15°	22908.6	22860.7	22904.6	22904.6	22868.7	22793.0	23060.1	23163.7	23367.0	23430.8
17.5°	20648.4	20628.5	20656.4	20668.3	20640.4	20568.7	20827.8	21055.0	21194.5	21194.5
20°	18575.6	18567.6	18603.5	18567.6	18539.7	18491.9	18731.1	18950.3	19073.9	19081.8
22.5°	16753.9	16797.8	16765.9	16722.0	16662.2	16626.4	16845.6	17048.9	17132.6	17216.3
25°	15155.5	15167.4	15191.3	15123.6	15051.8	15008.0	15171.4	15342.8	15474.4	15522.2
27.5°	13840.0	13883.9	13824.1	13720.4	13680.6	13628.7	13744.3	13867.9	13963.6	14031.4
30°	12560.5	12584.4	12596.3	12488.7	12393.0	12317.3	12413.0	12520.6	12556.5	12616.3
32.5°	11332.7	11372.6	11412.4	11280.9	11213.1	11141.4	11189.2	11257.0	11276.9	11280.9
35°	10109.0	10081.0	10045.2	9997.3	9945.5	9857.8	9905.7	9929.6	9945.5	9945.5
37.5°	8630.1	8654.0	8662.0	8570.3	8546.4	8486.6	8518.5	8522.5	8554.3	8574.3
40°	6529.4	6613.1	6557.3	6501.5	6509.4	6437.7	6425.7	6409.8	6481.5	6509.4
42.5°	3551.7	3695.2	3547.7	3595.5	3559.7	3519.8	3507.8	3527.8	3436.1	3360.3
45°	1785.8	1777.8	1809.7	1809.7	1841.6	1853.6	1825.7	1801.8	1789.8	1757.9
47.5°	1439.0	1415.1	1411.1	1431.0	1455.0	1470.9	1447.0	1435.0	1431.0	1451.0
50°	1235.7	1199.8	1187.9	1215.8	1235.7	1251.7	1231.7	1231.7	1227.7	1259.6
52.5°	1076.3	1040.4	1040.4	1096.2	1112.1	1128.1	1116.1	1116.1	1116.1	1152.0
55°	952.7	924.8	892.9	964.7	1016.5	1032.4	1024.4	1020.5	1024.4	1064.3
57.5°	857.0	841.1	821.2	837.1	916.8	936.8	932.8	932.8	940.7	972.6
60°	765.3	757.4	749.4	749.4	813.2	849.1	845.1	845.1	853.0	873.0
62.5°	681.6	673.7	665.7	673.7	697.6	753.4	753.4	757.4	769.3	777.3
65°	597.9	593.9	593.9	597.9	605.9	649.7	665.7	677.7	689.6	693.6
67.5°	518.2	514.2	518.2	526.2	526.2	546.1	582.0	593.9	605.9	605.9
70°	418.5	438.5	450.4	454.4	462.4	466.4	498.3	522.2	534.1	518.2
72.5°	227.2	259.1	390.6	402.6	406.6	410.6	434.5	462.4	470.4	306.9
75°	163.4	163.4	326.9	346.8	350.8	350.8	370.7	398.6	406.6	235.2
77.5°	107.6	103.6	227.2	251.1	287.0	231.2	302.9	334.8	342.8	195.3
80°	83.7	79.7	175.4	195.3	199.3	159.4	247.1	271.1	275.0	159.4
82.5°	63.8	59.8	127.6	143.5	155.5	103.6	175.4	207.3	215.3	139.5
85°	35.9	35.9	63.8	59.8	91.7	67.8	99.7	103.6	139.5	87.7
87.5°	12.0	15.9	27.9	27.9	31.9	27.9	39.9	39.9	43.8	31.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

30115.6
30386.7
30171.4
29374.2
27847.5
25742.8
23518.5
21246.3
19125.7
17264.1
15554.1
14051.3
12628.2
11328.7
9993.4
8658.0
6545.3
3396.2
1785.8
1466.9
1299.5
1191.9
1088.2
996.5
888.9
789.3
701.6
605.9
458.4
263.1
231.2
191.3
143.5
143.5
83.7
23.9
0.0