

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: P525274

Luminaire Tested: **IFLD-S-SA2E-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525274
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

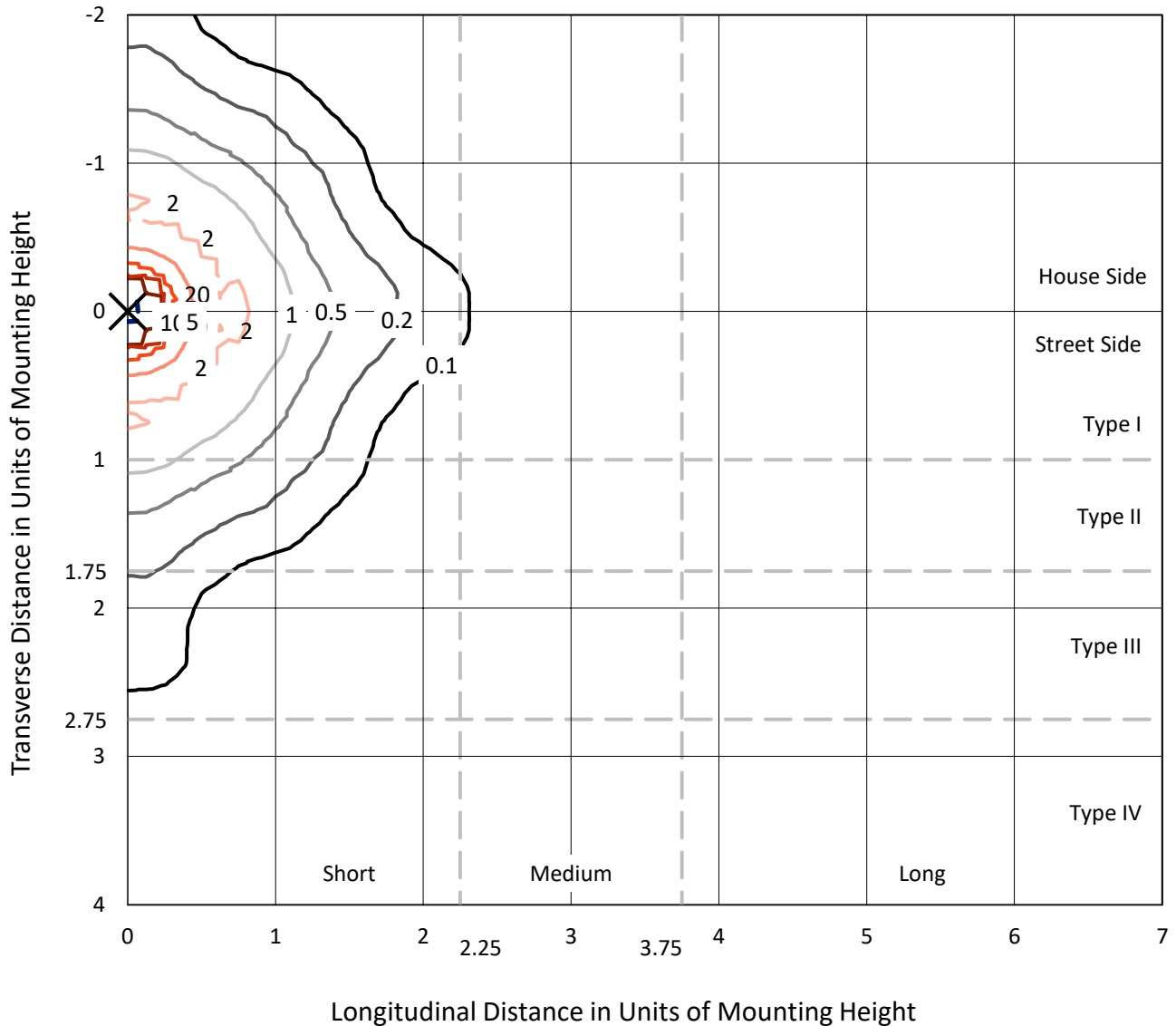
Lumens per Lamp: N/A
Luminaire Lumens: 6684.6 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 156.2
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

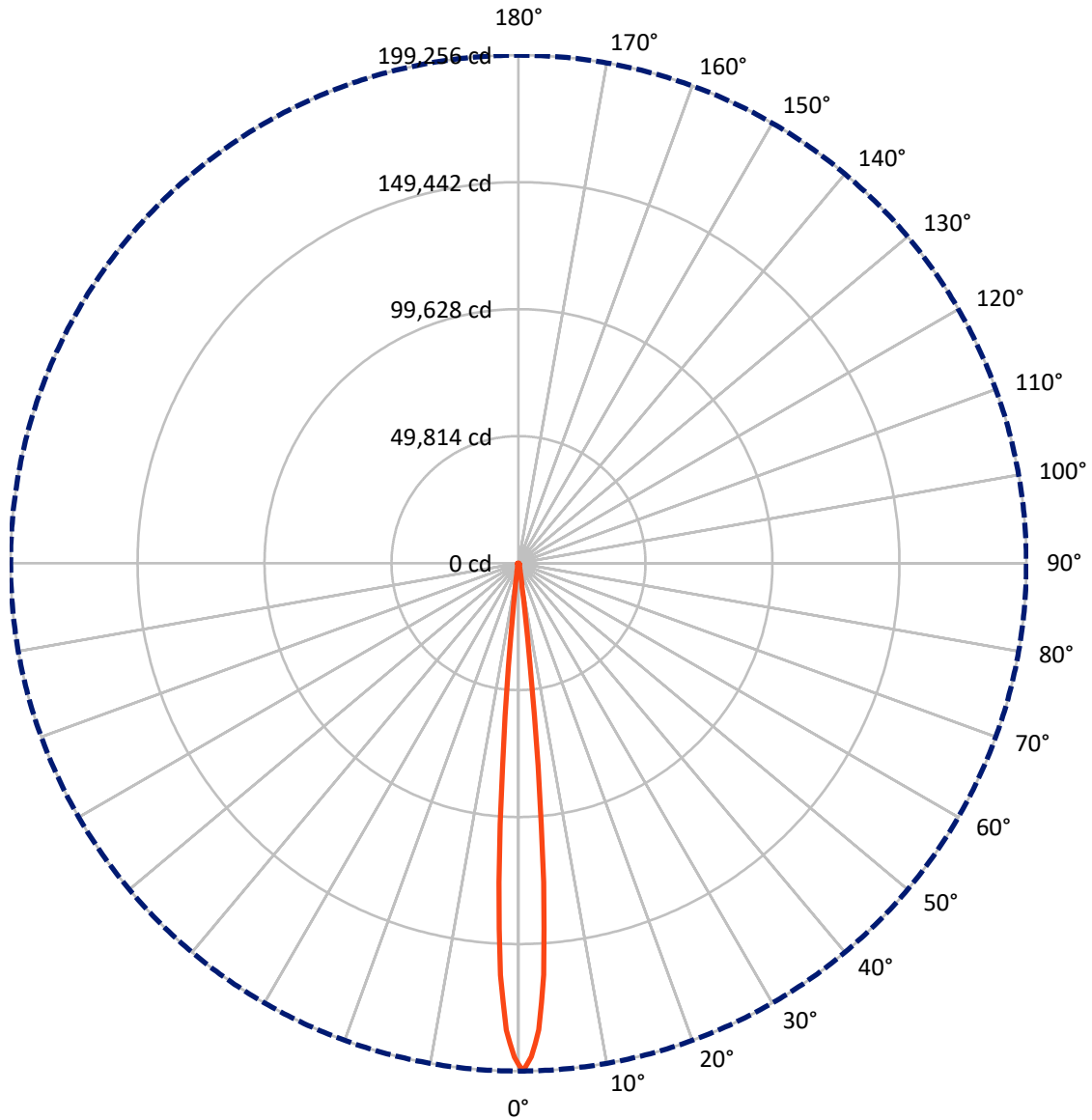
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1992.6 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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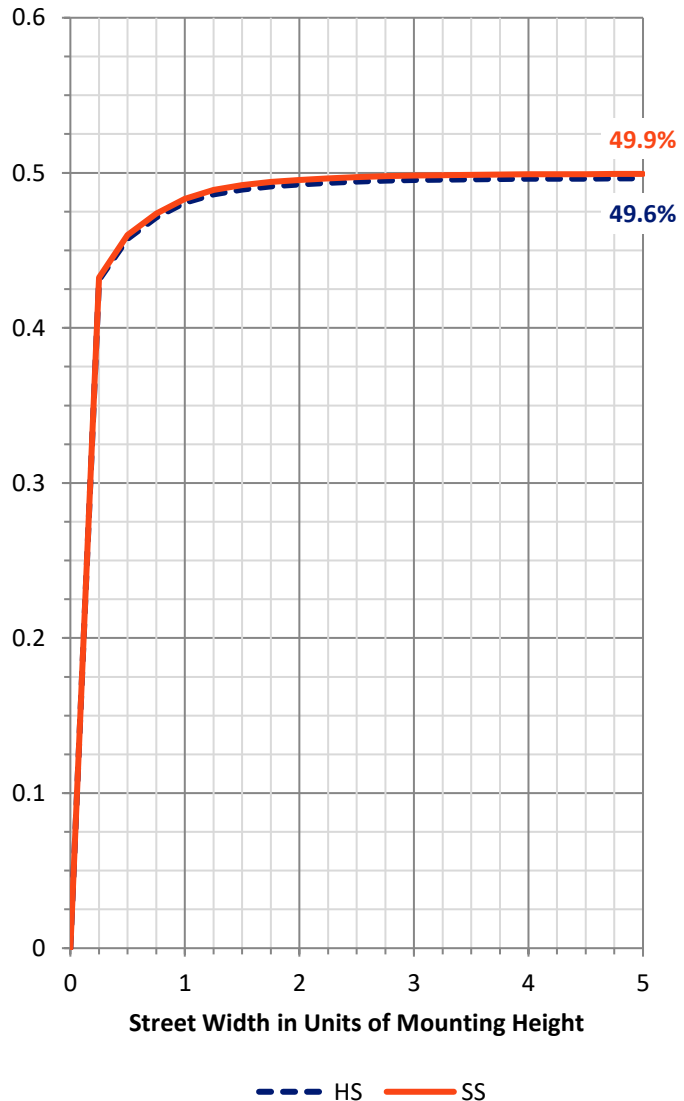
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3342.3	0.0	3342.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3342.3	0.0	3342.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6684.6	0.0	6684.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5133.7	76.8
10°-20°	500.7	7.5
20°-30°	267.5	4.0
30°-40°	220.6	3.3
40°-50°	245.7	3.7
50°-60°	165.2	2.5
60°-70°	105.4	1.6
70°-80°	41.6	0.6
80°-90°	4.1	0.1
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°	6684.6	100.0
0°-180°	6684.6	100.0

Coefficient of Utilization



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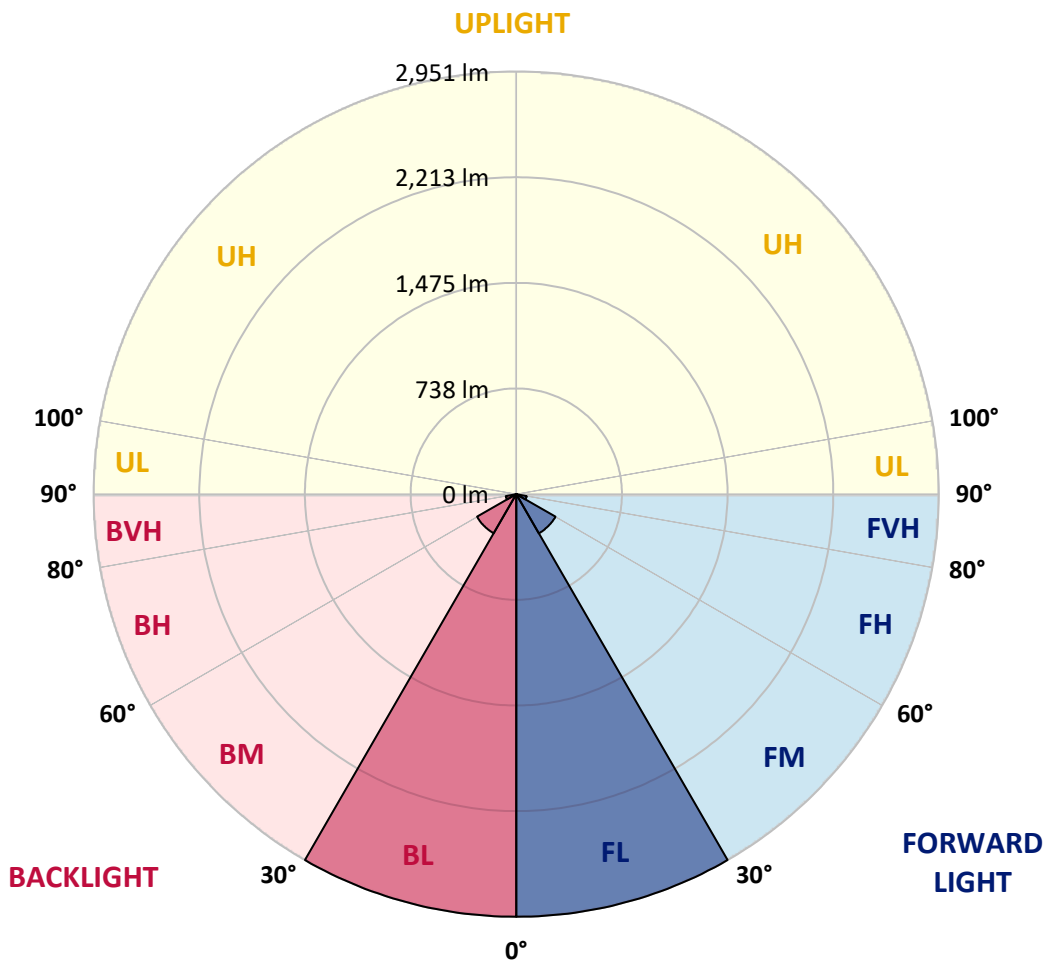
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2951.0	44.1			
FM (30°-60°)	315.8	4.7			
FH (60°-80°)	73.5	1.1			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	2951.0	44.1	B4/5000		
BM (30°-60°)	315.8	4.7	B1/1000		
BH (60°-80°)	73.5	1.1	B0/110		G0/660
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	199256.3	199256.3	199256.3	199256.3	199256.3	199256.3	199256.3	199256.3	199256.3	199256.3
1°	193718.4	194055.3	194116.1	193715.0	192692.1	192933.5	192902.3	192956.1	192855.4	192216.3
2°	183229.6	183728.0	183203.6	182078.3	179747.8	179192.1	177335.7	175264.0	173058.6	170848.0
3°	161819.6	162868.5	162120.0	163321.7	158594.8	158117.2	154213.4	149066.3	143849.7	139622.9
4°	125464.7	127402.7	127659.7	131626.0	127743.1	128956.9	124497.4	117346.3	109542.2	103571.9
5°	79973.8	82675.9	84200.6	87920.3	89708.9	94366.4	92194.0	85016.8	75998.8	69130.7
6°	40408.0	41878.9	45975.4	50065.0	54632.2	60812.6	61649.6	55349.4	48172.2	41580.2
7°	18836.5	19444.3	22333.9	23205.6	28427.5	35132.3	36070.1	32616.1	28830.4	23721.4
8°	9733.4	9969.6	11025.4	11673.2	14719.1	18576.0	19234.1	17060.0	15511.0	12940.8
9°	5994.6	6098.8	6494.7	6640.6	7779.8	9495.5	9728.2	8818.3	8398.0	7510.6
10°	4157.3	4212.9	4398.7	4436.9	4817.2	5381.6	5402.4	5103.7	5110.7	4888.4
12.5°	2215.9	2233.2	2285.3	2290.5	2363.5	2422.5	2408.6	2410.3	2439.9	2410.3
15°	1417.0	1425.7	1457.0	1463.9	1502.1	1523.0	1512.5	1510.8	1521.2	1502.1
17.5°	1010.7	1015.9	1038.5	1057.6	1081.9	1088.8	1085.3	1081.9	1081.9	1064.5
20°	788.4	795.3	811.0	830.1	842.2	854.4	856.1	854.4	849.2	840.5
22.5°	670.3	673.8	679.0	687.7	696.4	701.6	705.0	706.8	705.0	701.6
25°	583.5	587.0	597.4	602.6	602.6	604.3	611.3	614.7	616.5	609.5
27.5°	430.7	439.3	455.0	463.7	463.7	467.1	472.3	479.3	486.2	474.1
30°	333.4	340.4	357.7	357.7	356.0	359.5	364.7	375.1	385.5	371.6
32.5°	300.4	300.4	303.9	305.6	305.6	310.8	314.3	323.0	331.7	328.2
35°	314.3	305.6	295.2	295.2	298.7	309.1	310.8	319.5	328.2	340.4
37.5°	456.7	430.7	392.5	385.5	385.5	397.7	392.5	397.7	413.3	458.5
40°	415.0	394.2	371.6	340.4	340.4	357.7	345.6	352.5	389.0	416.8
42.5°	369.9	369.9	345.6	316.1	316.1	324.7	321.3	324.7	366.4	389.0
45°	342.1	342.1	335.2	288.3	295.2	300.4	300.4	300.4	356.0	362.9
47.5°	326.5	326.5	309.1	265.7	274.4	276.1	279.6	276.1	319.5	343.8
50°	291.7	295.2	265.7	234.4	244.9	244.9	250.1	243.1	276.1	316.1
52.5°	251.8	255.3	210.1	185.8	198.0	196.2	203.2	192.8	218.8	274.4
55°	224.0	222.3	173.7	151.1	165.0	163.2	166.7	154.6	177.1	236.2
57.5°	194.5	198.0	142.4	123.3	138.9	135.5	140.7	126.8	145.9	210.1
60°	171.9	177.1	121.6	104.2	119.8	116.3	121.6	105.9	125.0	189.3
62.5°	165.0	165.0	107.7	88.6	104.2	100.7	104.2	88.6	111.1	173.7
65°	196.2	185.8	97.2	72.9	88.6	85.1	88.6	72.9	97.2	166.7
67.5°	260.5	248.3	92.0	57.3	71.2	66.0	71.2	59.0	85.1	156.3
70°	135.5	144.1	92.0	45.2	53.8	53.8	52.1	45.2	71.2	114.6
72.5°	78.1	79.9	71.2	34.7	41.7	45.2	39.9	34.7	52.1	85.1
75°	43.4	48.6	45.2	26.0	31.3	34.7	29.5	26.0	36.5	60.8
77.5°	26.0	29.5	26.0	17.4	20.8	19.1	20.8	17.4	24.3	39.9
80°	13.9	13.9	13.9	10.4	10.4	12.2	12.2	10.4	13.9	20.8
82.5°	5.2	5.2	5.2	3.5	5.2	5.2	5.2	6.9	6.9	8.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
199256.3
192846.7
172120.9
141225.7
104955.9
70011.1
42073.4
24339.6
13289.9
7703.4
4990.9
2443.3
1516.0
1069.7
842.2
703.3
609.5
472.3
368.2
328.2
347.3
481.0
442.8
390.7
361.2
338.6
312.6
267.4
232.7
204.9
184.1
171.9
166.7
154.6
112.9
83.4
53.8
29.5
17.4
8.7
1.7
1.7
0.0

OF REPORT)