

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: P525381

Luminaire Tested: **IFLD-L-SA7D-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525381
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

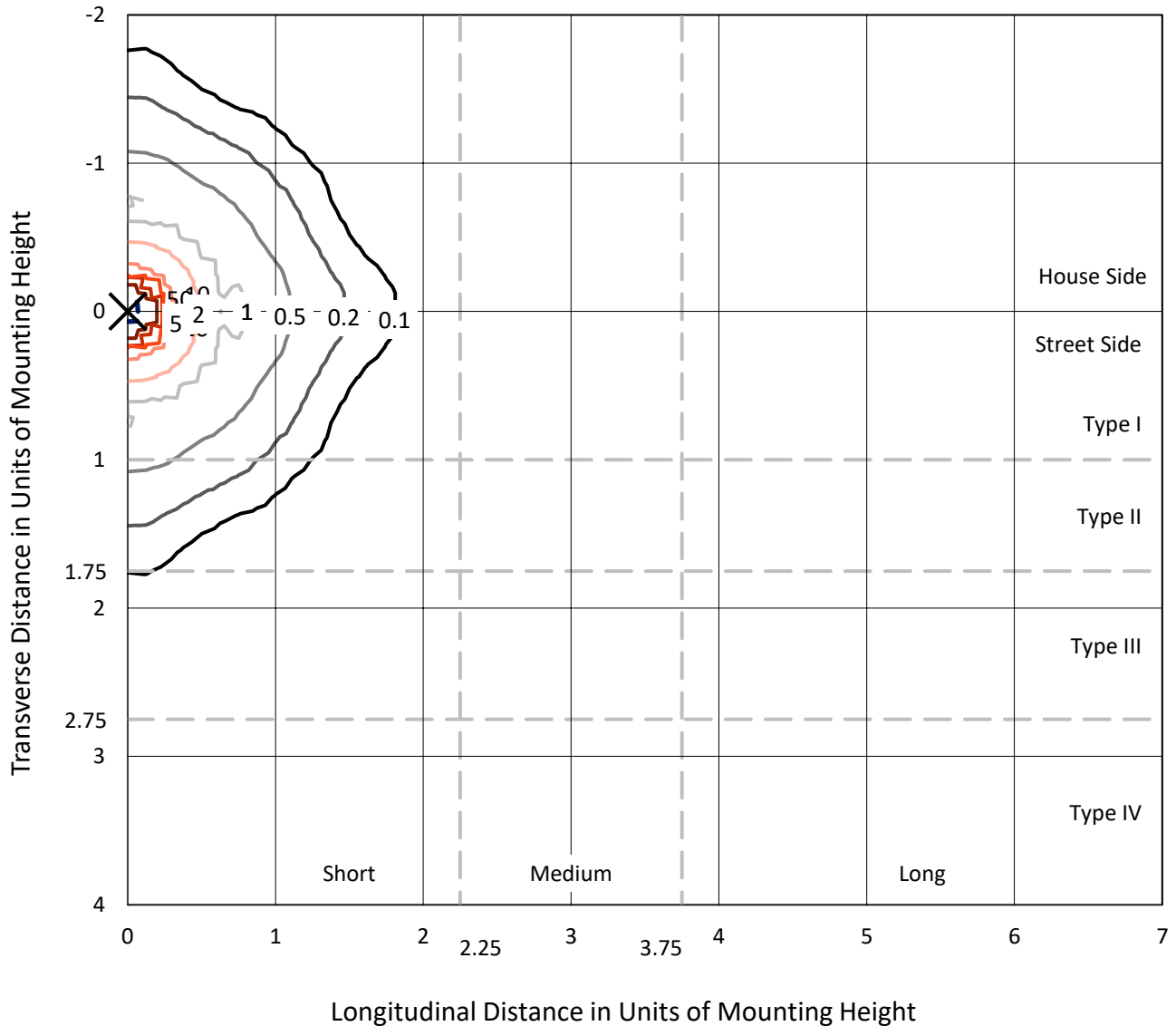
Lumens per Lamp: N/A
Luminaire Lumens: 20340.4 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 422.6
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

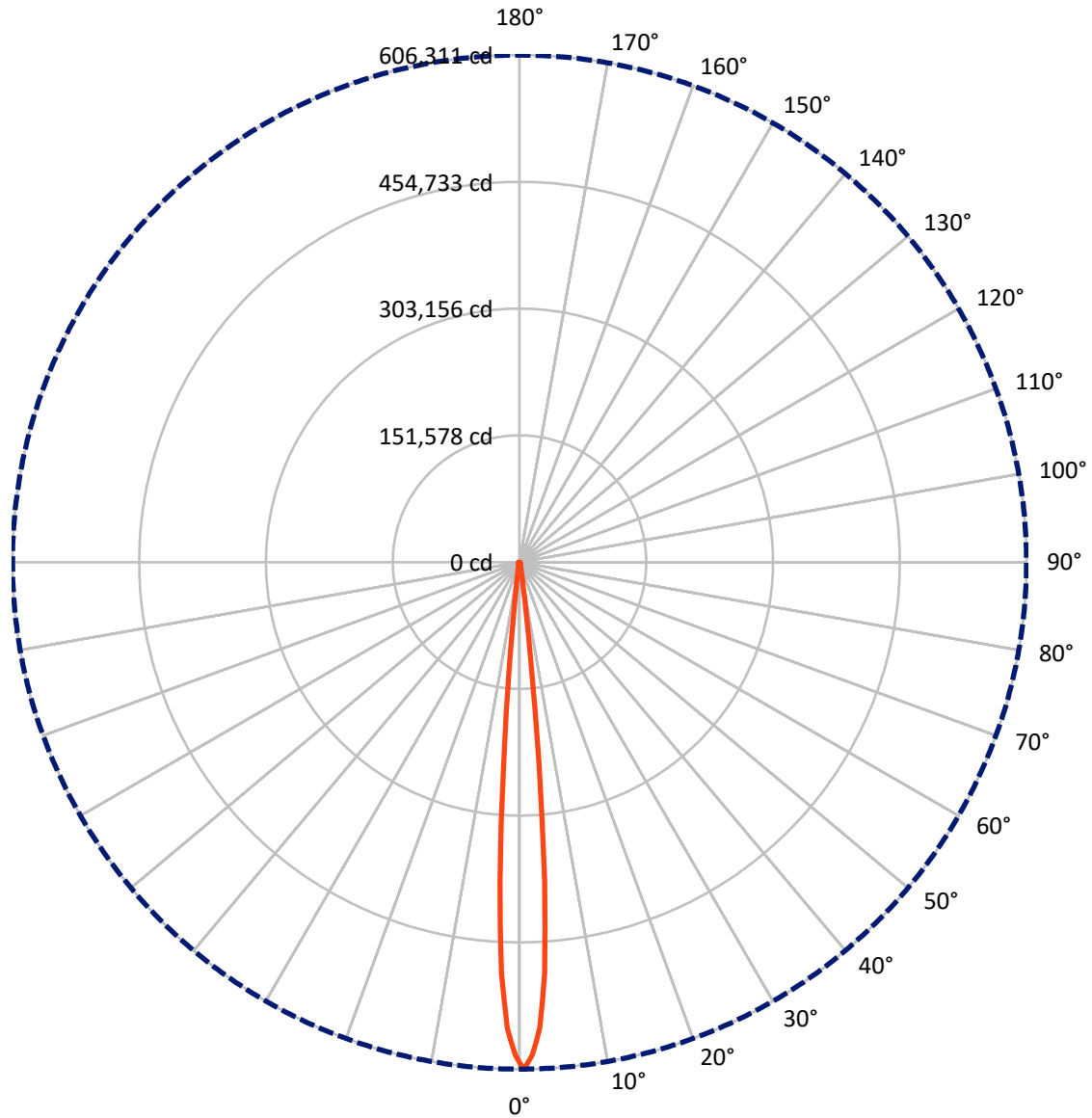
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 970.1 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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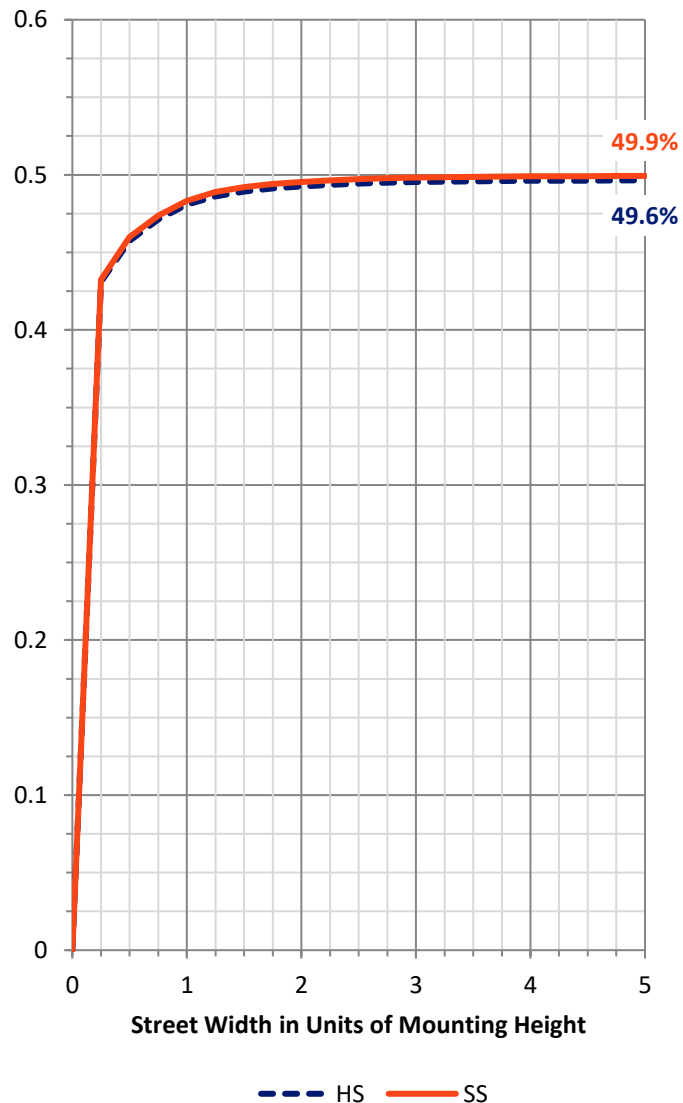
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10170.2	0.0	10170.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10170.2	0.0	10170.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	20340.4	0.0	20340.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15621.3	76.8
10°-20°	1523.6	7.5
20°-30°	814.0	4.0
30°-40°	671.4	3.3
40°-50°	747.5	3.7
50°-60°	502.7	2.5
60°-70°	320.8	1.6
70°-80°	126.6	0.6
80°-90°	12.4	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°	20340.4	100.0
0°-180°	20340.4	100.0

Coefficient of Utilization



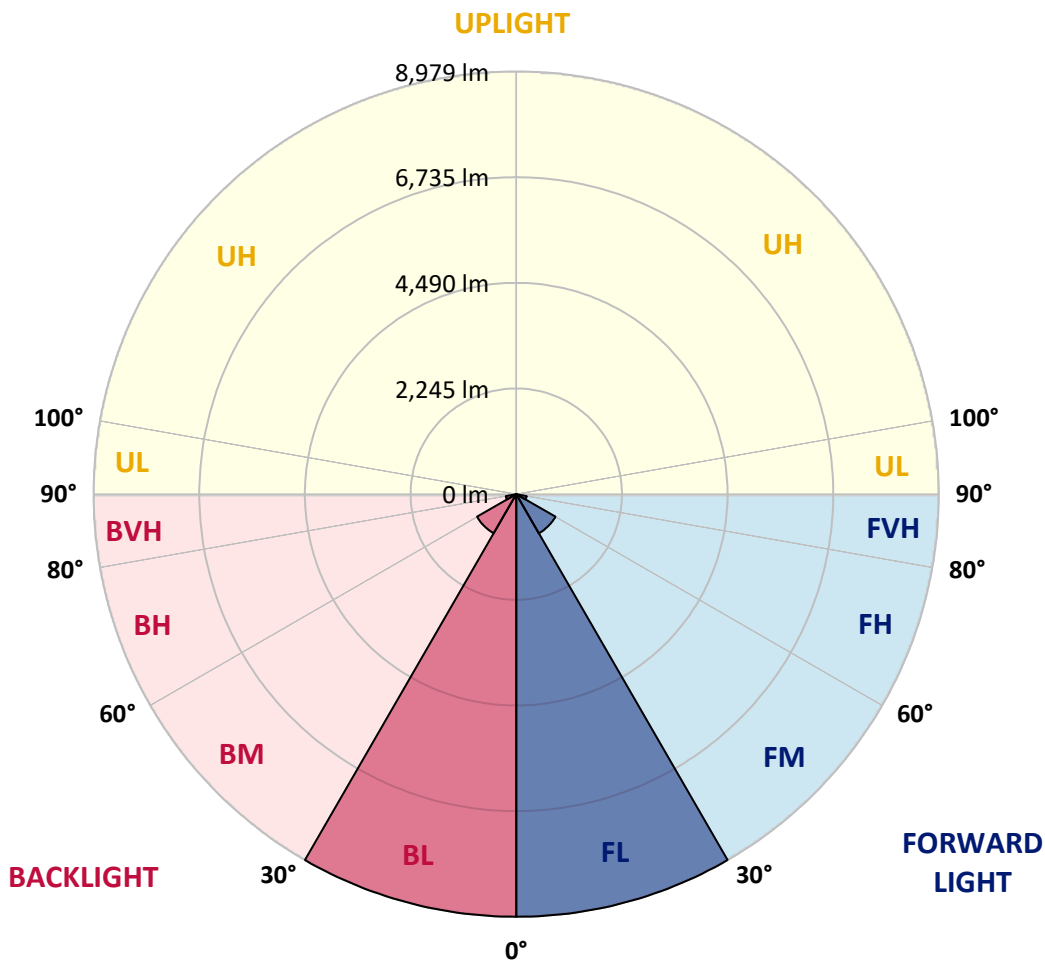
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8979.5	44.1			
FM (30°-60°)	960.8	4.7			
FH (60°-80°)	223.7	1.1			G0/660
FVH (80°-90°)	6.2	0.0			G0/10
BL (0°-30°)	8979.5	44.1	B5		
BM (30°-60°)	960.8	4.7	B1/1000		
BH (60°-80°)	223.7	1.1	B1/500		G0/660
BVH (80°-90°)	6.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	606311.3	606311.3	606311.3	606311.3	606311.3	606311.3	606311.3	606311.3	606311.3	606311.3
1°	589460.2	590485.3	590670.3	589449.6	586337.3	587071.8	586976.7	587140.5	586834.0	584889.4
2°	557544.1	559060.6	557464.8	554040.7	546949.4	545258.5	539609.7	533305.8	526594.9	519868.2
3°	492396.1	495587.7	493310.2	496966.8	482583.4	481130.3	469251.6	453589.4	437715.9	424854.4
4°	381772.9	387670.0	388452.0	400521.0	388705.7	392399.3	378829.6	357069.6	333322.7	315155.9
5°	243349.9	251572.0	256211.5	267530.1	272972.7	287144.7	280534.3	258695.0	231254.5	210355.8
6°	122956.3	127432.0	139897.3	152341.4	166238.6	185044.8	187591.8	168421.0	146581.7	126523.1
7°	57316.9	59166.4	67959.2	70611.8	86501.2	106903.2	109756.6	99246.5	87727.1	72181.2
8°	29617.5	30336.2	33548.9	35519.9	44788.3	56524.3	58527.0	51911.3	47197.8	39377.3
9°	18240.8	18557.9	19762.6	20206.5	23672.9	28893.6	29601.7	26832.8	25554.0	22853.8
10°	12650.2	12819.3	13384.7	13500.9	14658.2	16375.5	16438.9	15530.0	15551.2	14874.8
12.5°	6742.5	6795.4	6953.9	6969.8	7191.7	7371.4	7329.1	7334.4	7424.2	7334.4
15°	4311.8	4338.3	4433.4	4454.5	4570.8	4634.2	4602.5	4597.2	4628.9	4570.8
17.5°	3075.4	3091.2	3159.9	3218.0	3292.0	3313.1	3302.6	3292.0	3292.0	3239.2
20°	2399.0	2420.1	2467.7	2525.8	2562.8	2599.8	2605.1	2599.8	2583.9	2557.5
22.5°	2039.7	2050.2	2066.1	2092.5	2118.9	2134.8	2145.4	2150.6	2145.4	2134.8
25°	1775.5	1786.0	1817.7	1833.6	1833.6	1838.9	1860.0	1870.6	1875.9	1854.7
27.5°	1310.5	1336.9	1384.4	1410.9	1410.9	1421.4	1437.3	1458.4	1479.6	1442.6
30°	1014.6	1035.7	1088.5	1088.5	1083.2	1093.8	1109.7	1141.4	1173.1	1130.8
32.5°	914.2	914.2	924.7	930.0	930.0	945.9	956.4	982.8	1009.3	998.7
35°	956.4	930.0	898.3	898.3	908.9	940.6	945.9	972.3	998.7	1035.7
37.5°	1389.7	1310.5	1194.2	1173.1	1173.1	1210.1	1194.2	1210.1	1257.6	1395.0
40°	1262.9	1199.5	1130.8	1035.7	1035.7	1088.5	1051.5	1072.7	1183.6	1268.2
42.5°	1125.5	1125.5	1051.5	961.7	961.7	988.1	977.6	988.1	1115.0	1183.6
45°	1041.0	1041.0	1019.8	877.2	898.3	914.2	914.2	914.2	1083.2	1104.4
47.5°	993.4	993.4	940.6	808.5	834.9	840.2	850.7	840.2	972.3	1046.3
50°	887.7	898.3	808.5	713.4	745.1	745.1	760.9	739.8	840.2	961.7
52.5°	766.2	776.8	639.4	565.4	602.4	597.1	618.2	586.5	665.8	834.9
55°	681.7	676.4	528.4	459.7	502.0	496.7	507.3	470.3	539.0	718.6
57.5°	591.8	602.4	433.3	375.2	422.7	412.2	428.0	385.7	443.9	639.4
60°	523.1	539.0	369.9	317.0	364.6	354.0	369.9	322.3	380.5	576.0
62.5°	502.0	502.0	327.6	269.5	317.0	306.5	317.0	269.5	338.2	528.4
65°	597.1	565.4	295.9	221.9	269.5	258.9	269.5	221.9	295.9	507.3
67.5°	792.6	755.6	280.1	174.4	216.6	200.8	216.6	179.7	258.9	475.6
70°	412.2	438.6	280.1	137.4	163.8	163.8	158.5	137.4	216.6	348.8
72.5°	237.8	243.1	216.6	105.7	126.8	137.4	121.5	105.7	158.5	258.9
75°	132.1	148.0	137.4	79.3	95.1	105.7	89.8	79.3	111.0	184.9
77.5°	79.3	89.8	79.3	52.8	63.4	58.1	63.4	52.8	74.0	121.5
80°	42.3	42.3	42.3	31.7	31.7	37.0	37.0	31.7	42.3	63.4
82.5°	15.9	15.9	15.9	10.6	15.9	15.9	15.9	21.1	21.1	26.4
85°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	0.0	0.0	0.0	0.0	0.0	5.3	5.3	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

606311.3
586807.6
523741.5
429731.6
319367.3
213034.9
128023.8
74062.3
40439.4
23440.4
15186.6
7434.8
4613.0
3255.0
2562.8
2140.1
1854.7
1437.3
1120.2
998.7
1056.8
1463.7
1347.5
1188.9
1099.1
1030.4
951.1
813.8
708.1
623.5
560.1
523.1
507.3
470.3
343.5
253.6
163.8
89.8
52.8
26.4
5.3
5.3
0.0

OF REPORT)