

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: P525379

Luminaire Tested: **IFLD-L-SA7B-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525379
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-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

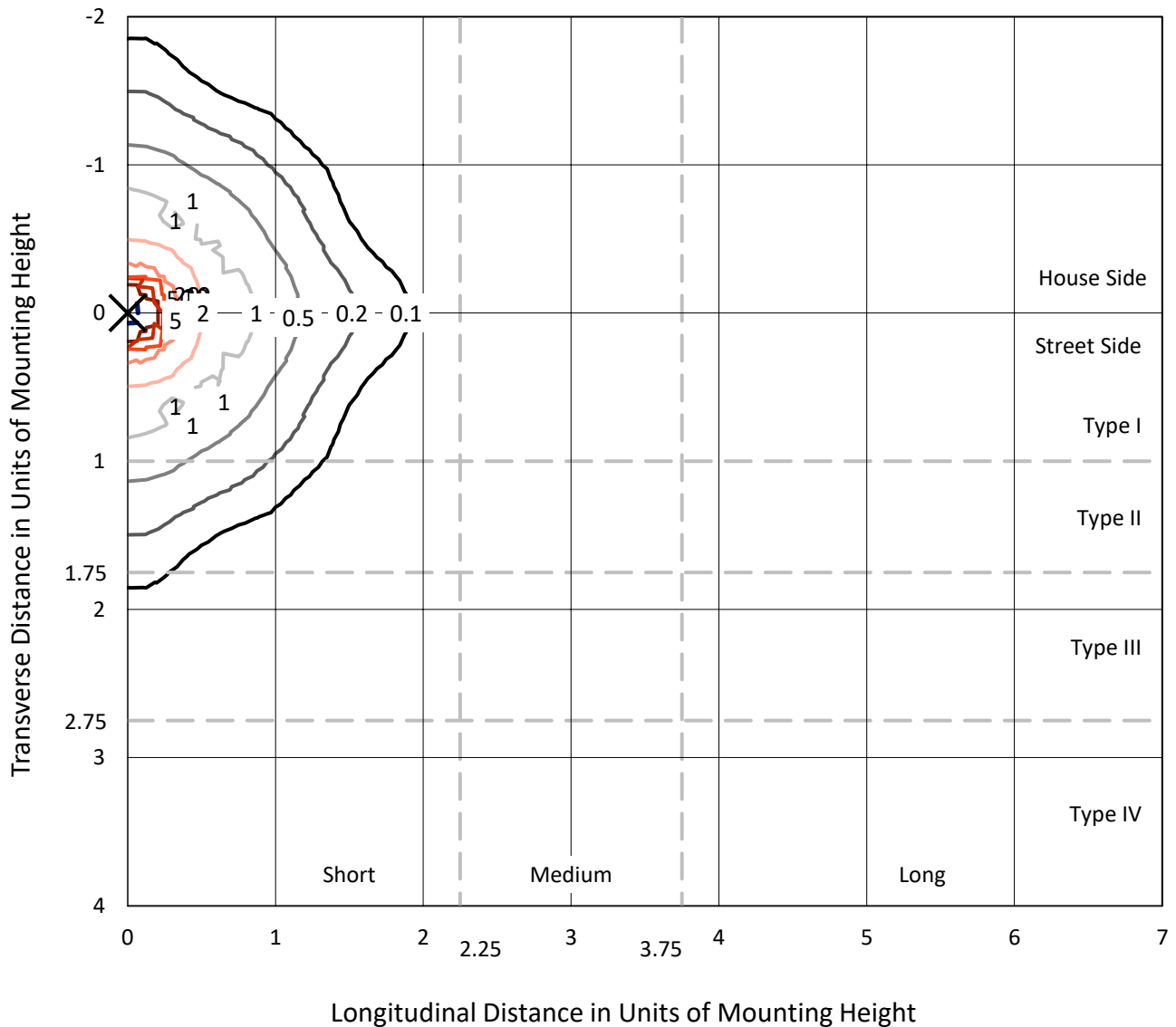
Lumens per Lamp: N/A
Luminaire Lumens: 14849.9 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

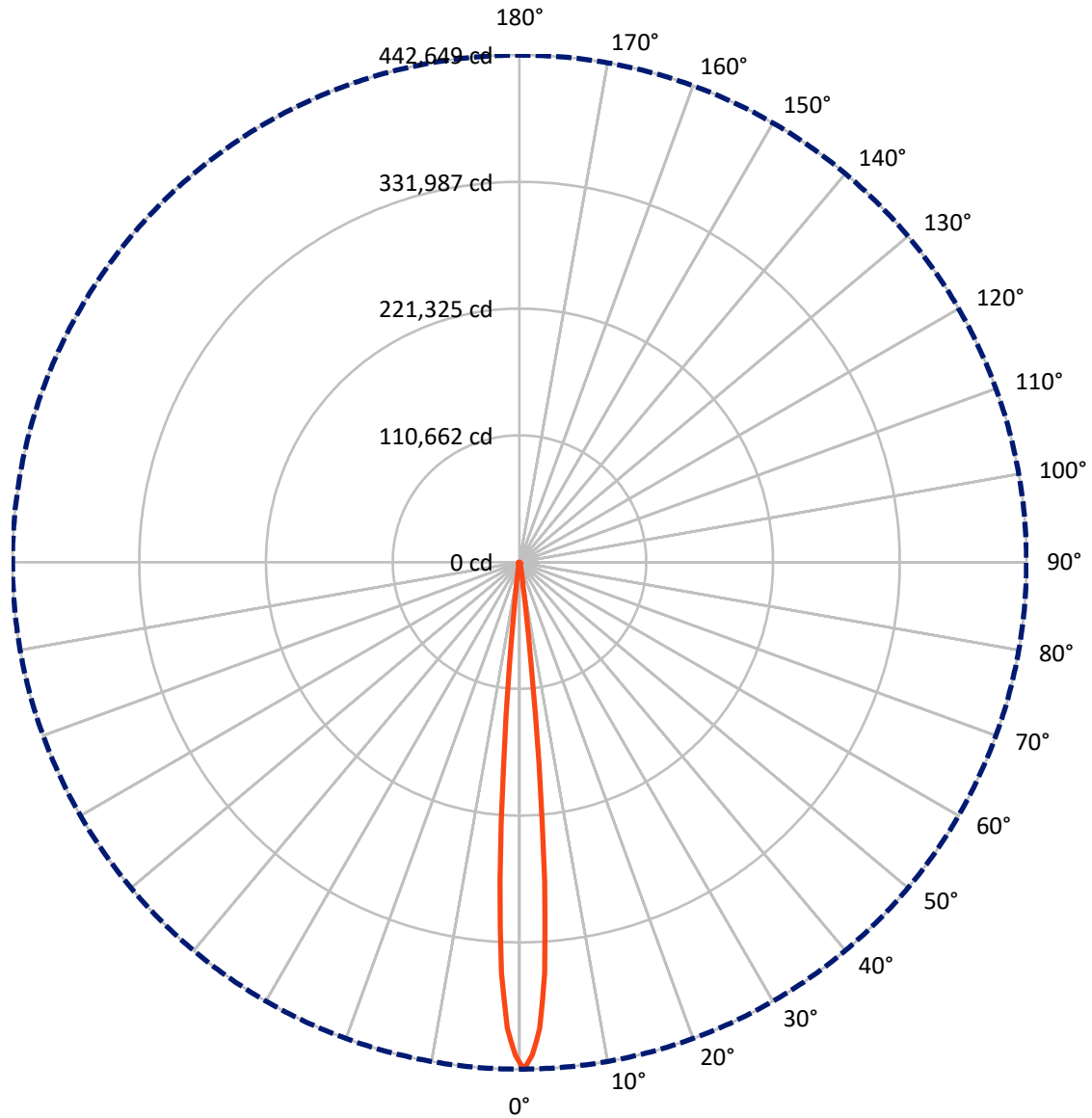
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1106.6 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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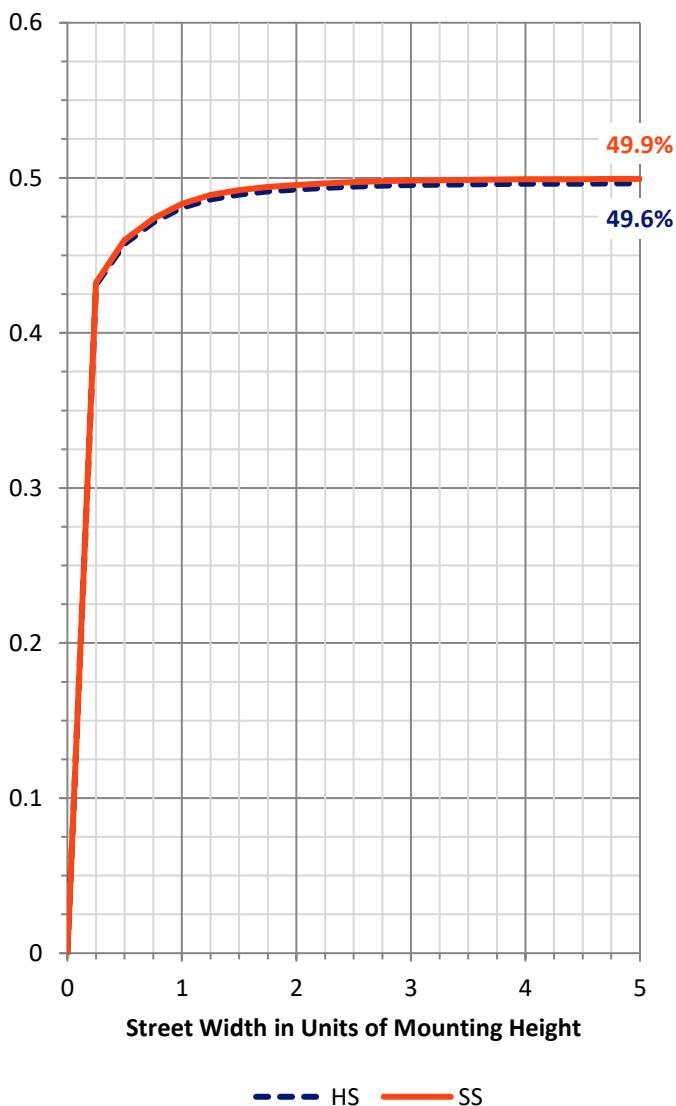
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7424.9	0.0	7424.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7424.9	0.0	7424.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14849.9	0.0	14849.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11404.6	76.8
10°-20°	1112.4	7.5
20°-30°	594.3	4.0
30°-40°	490.1	3.3
40°-50°	545.7	3.7
50°-60°	367.0	2.5
60°-70°	234.2	1.6
70°-80°	92.5	0.6
80°-90°	9.1	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°	14849.9	100.0
0°-180°	14849.9	100.0

Coefficient of Utilization



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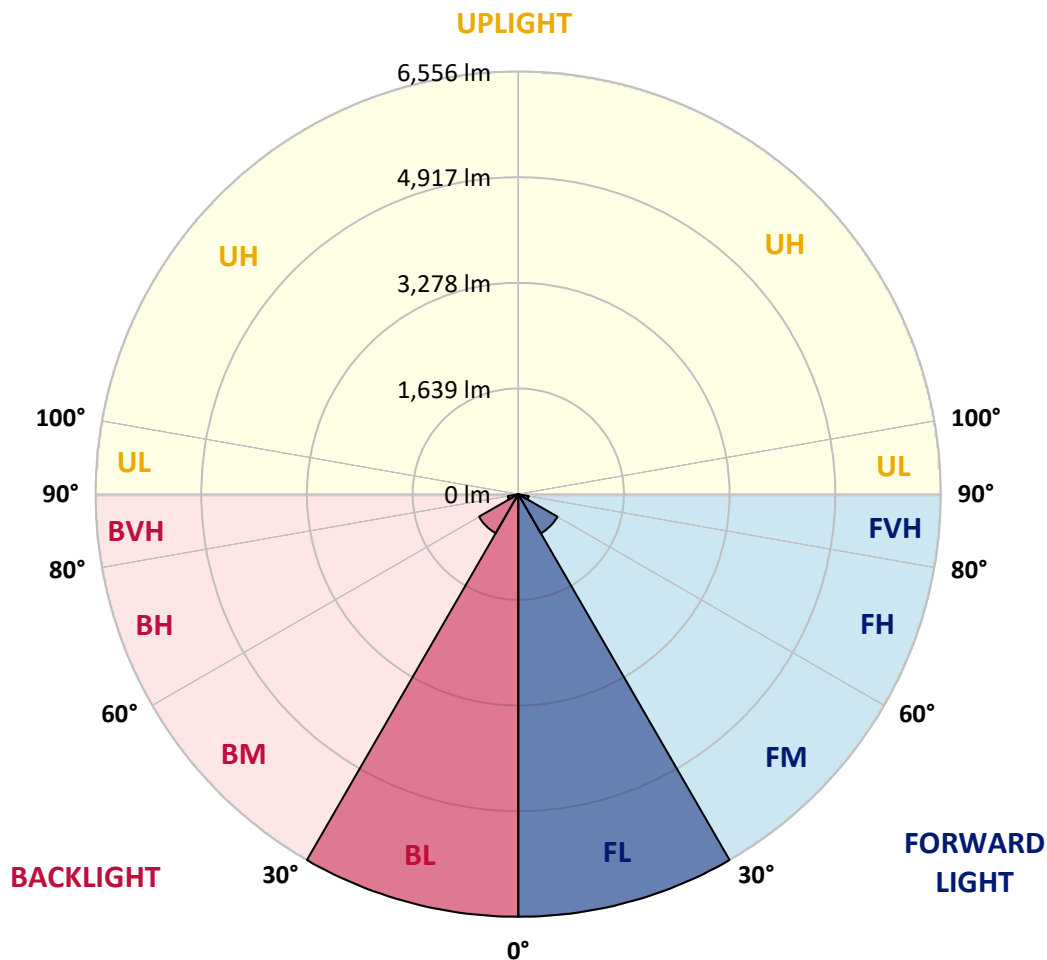
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6555.6	44.1			
FM (30°-60°)	701.4	4.7			
FH (60°-80°)	163.3	1.1			G0/660
FVH (80°-90°)	4.5	0.0			G0/10
BL (0°-30°)	6555.6	44.1	B5		
BM (30°-60°)	701.4	4.7	B1/1000		
BH (60°-80°)	163.3	1.1	B1/500		G0/660
BVH (80°-90°)	4.5	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°	442649.0	442649.0	442649.0	442649.0	442649.0	442649.0	442649.0	442649.0	442649.0	442649.0
1°	430346.5	431094.9	431230.0	430338.8	428066.6	428602.8	428533.4	428653.0	428429.2	427009.5
2°	407045.6	408152.7	406987.7	404487.8	399310.7	398076.2	393952.3	389349.9	384450.6	379539.6
3°	359483.0	361813.1	360150.4	362820.0	352319.1	351258.2	342586.0	331151.5	319562.8	310172.9
4°	278720.5	283025.8	283596.7	292407.9	283781.9	286478.5	276571.7	260685.4	243348.5	230085.5
5°	177662.2	183664.9	187052.0	195315.4	199288.9	209635.4	204809.3	188865.2	168831.7	153574.2
6°	89766.6	93034.1	102134.6	111219.7	121365.6	135095.5	136954.9	122958.9	107014.7	92370.6
7°	41845.3	43195.5	49614.9	51551.5	63151.8	78046.7	80129.9	72456.8	64046.8	52697.2
8°	21622.8	22147.5	24493.0	25932.0	32698.5	41266.6	42728.7	37898.8	34457.7	28748.1
9°	13317.0	13548.5	14428.1	14752.1	17282.8	21094.3	21611.3	19589.8	18656.2	16684.9
10°	9235.5	9359.0	9771.7	9856.6	10701.5	11955.2	12001.5	11338.0	11353.4	10859.6
12.5°	4922.5	4961.1	5076.8	5088.4	5250.4	5381.6	5350.7	5354.6	5420.2	5354.6
15°	3147.9	3167.2	3236.7	3252.1	3337.0	3383.3	3360.1	3356.3	3379.4	3337.0
17.5°	2245.2	2256.8	2307.0	2349.4	2403.4	2418.8	2411.1	2403.4	2403.4	2364.8
20°	1751.4	1766.9	1801.6	1844.0	1871.0	1898.0	1901.9	1898.0	1886.5	1867.2
22.5°	1489.1	1496.8	1508.4	1527.7	1547.0	1558.5	1566.3	1570.1	1566.3	1558.5
25°	1296.2	1303.9	1327.1	1338.6	1338.6	1342.5	1357.9	1365.7	1369.5	1354.1
27.5°	956.7	976.0	1010.7	1030.0	1030.0	1037.7	1049.3	1064.7	1080.2	1053.2
30°	740.7	756.1	794.7	794.7	790.8	798.6	810.1	833.3	856.4	825.6
32.5°	667.4	667.4	675.1	679.0	679.0	690.5	698.3	717.5	736.8	729.1
35°	698.3	679.0	655.8	655.8	663.5	686.7	690.5	709.8	729.1	756.1
37.5°	1014.6	956.7	871.9	856.4	856.4	883.4	871.9	883.4	918.2	1018.5
40°	922.0	875.7	825.6	756.1	756.1	794.7	767.7	783.1	864.1	925.9
42.5°	821.7	821.7	767.7	702.1	702.1	721.4	713.7	721.4	814.0	864.1
45°	760.0	760.0	744.6	640.4	655.8	667.4	667.4	667.4	790.8	806.3
47.5°	725.3	725.3	686.7	590.2	609.5	613.4	621.1	613.4	709.8	763.8
50°	648.1	655.8	590.2	520.8	543.9	543.9	555.5	540.1	613.4	702.1
52.5°	559.4	567.1	466.8	412.8	439.8	435.9	451.4	428.2	486.1	609.5
55°	497.7	493.8	385.8	335.6	366.5	362.6	370.3	343.3	393.5	524.7
57.5°	432.1	439.8	316.3	273.9	308.6	300.9	312.5	281.6	324.1	466.8
60°	381.9	393.5	270.0	231.5	266.2	258.5	270.0	235.3	277.8	420.5
62.5°	366.5	366.5	239.2	196.7	231.5	223.8	231.5	196.7	246.9	385.8
65°	435.9	412.8	216.0	162.0	196.7	189.0	196.7	162.0	216.0	370.3
67.5°	578.7	551.7	204.5	127.3	158.2	146.6	158.2	131.2	189.0	347.2
70°	300.9	320.2	204.5	100.3	119.6	119.6	115.7	100.3	158.2	254.6
72.5°	173.6	177.5	158.2	77.2	92.6	100.3	88.7	77.2	115.7	189.0
75°	96.4	108.0	100.3	57.9	69.4	77.2	65.6	57.9	81.0	135.0
77.5°	57.9	65.6	57.9	38.6	46.3	42.4	46.3	38.6	54.0	88.7
80°	30.9	30.9	30.9	23.1	23.1	27.0	27.0	23.1	30.9	46.3
82.5°	11.6	11.6	11.6	7.7	11.6	11.6	11.6	15.4	15.4	19.3
85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
442649.0
428409.9
382367.4
313733.7
233160.1
155530.1
93466.2
54070.6
29523.6
17113.1
11087.2
5427.9
3367.8
2376.4
1871.0
1562.4
1354.1
1049.3
817.8
729.1
771.6
1068.6
983.7
868.0
802.4
752.3
694.4
594.1
516.9
455.2
408.9
381.9
370.3
343.3
250.8
185.2
119.6
65.6
38.6
19.3
3.9
3.9
0.0

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