

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: P525370

Luminaire Tested: **IFLD-S-SA6C-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525370
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

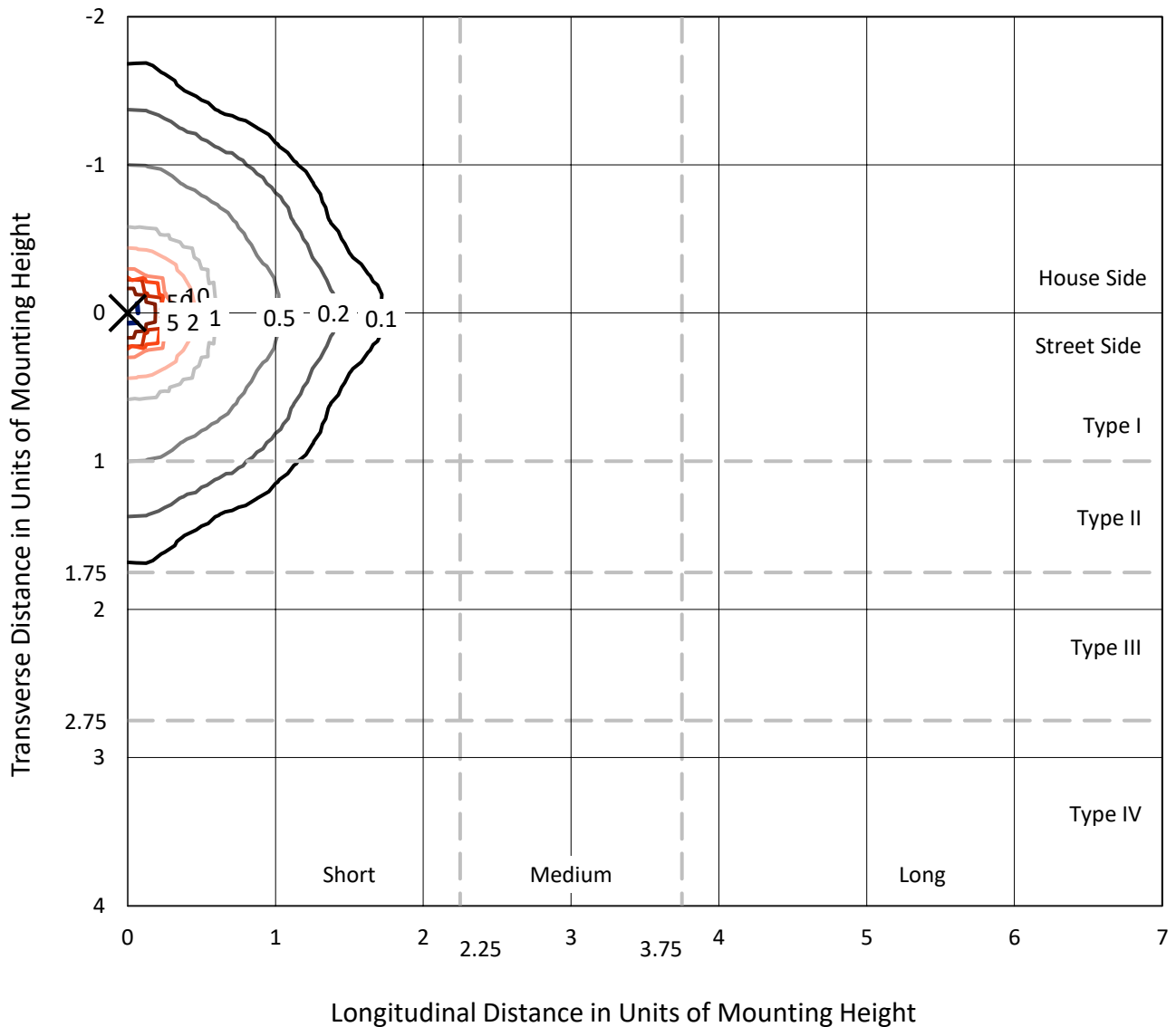
Lumens per Lamp: N/A
Luminaire Lumens: 17326.6 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 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

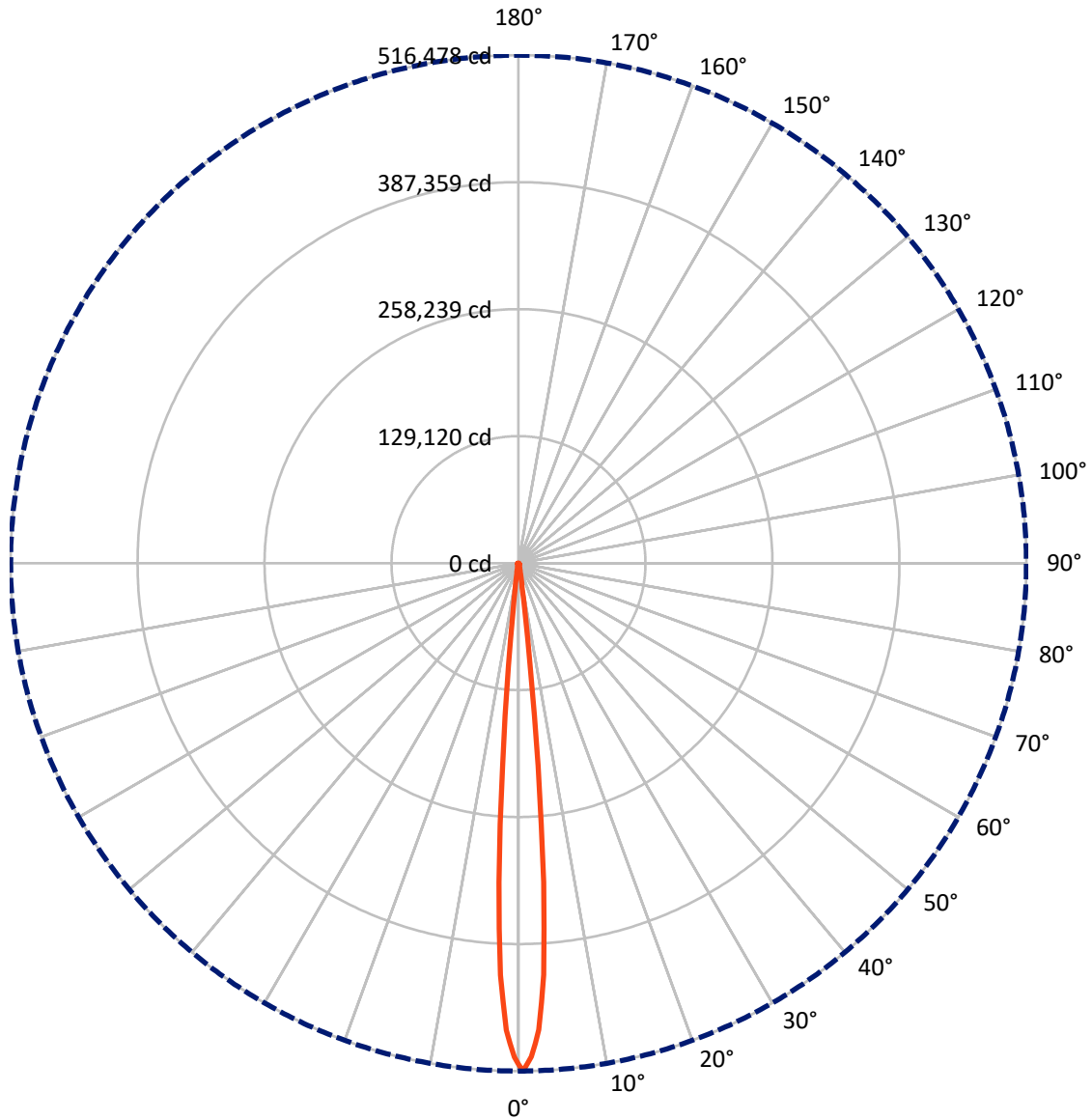
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 826.4 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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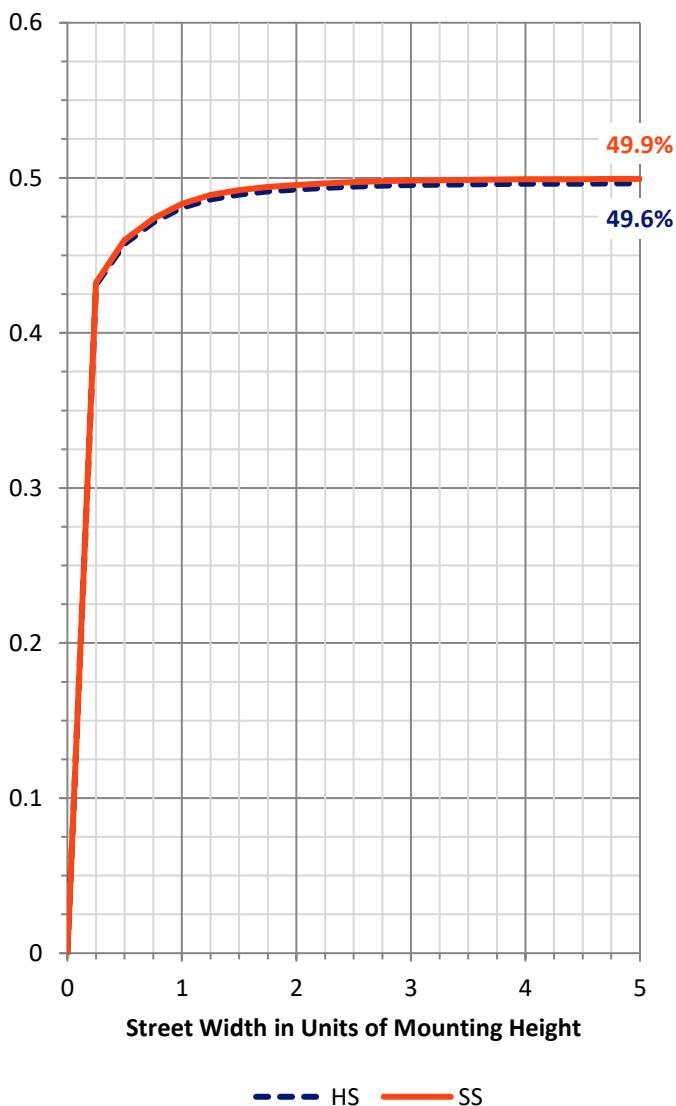
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8663.3	0.0	8663.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8663.3	0.0	8663.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	17326.6	0.0	17326.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13306.8	76.8
10°-20°	1297.9	7.5
20°-30°	693.4	4.0
30°-40°	571.9	3.3
40°-50°	636.8	3.7
50°-60°	428.2	2.5
60°-70°	273.3	1.6
70°-80°	107.9	0.6
80°-90°	10.6	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°	17326.6	100.0
0°-180°	17326.6	100.0

Coefficient of Utilization

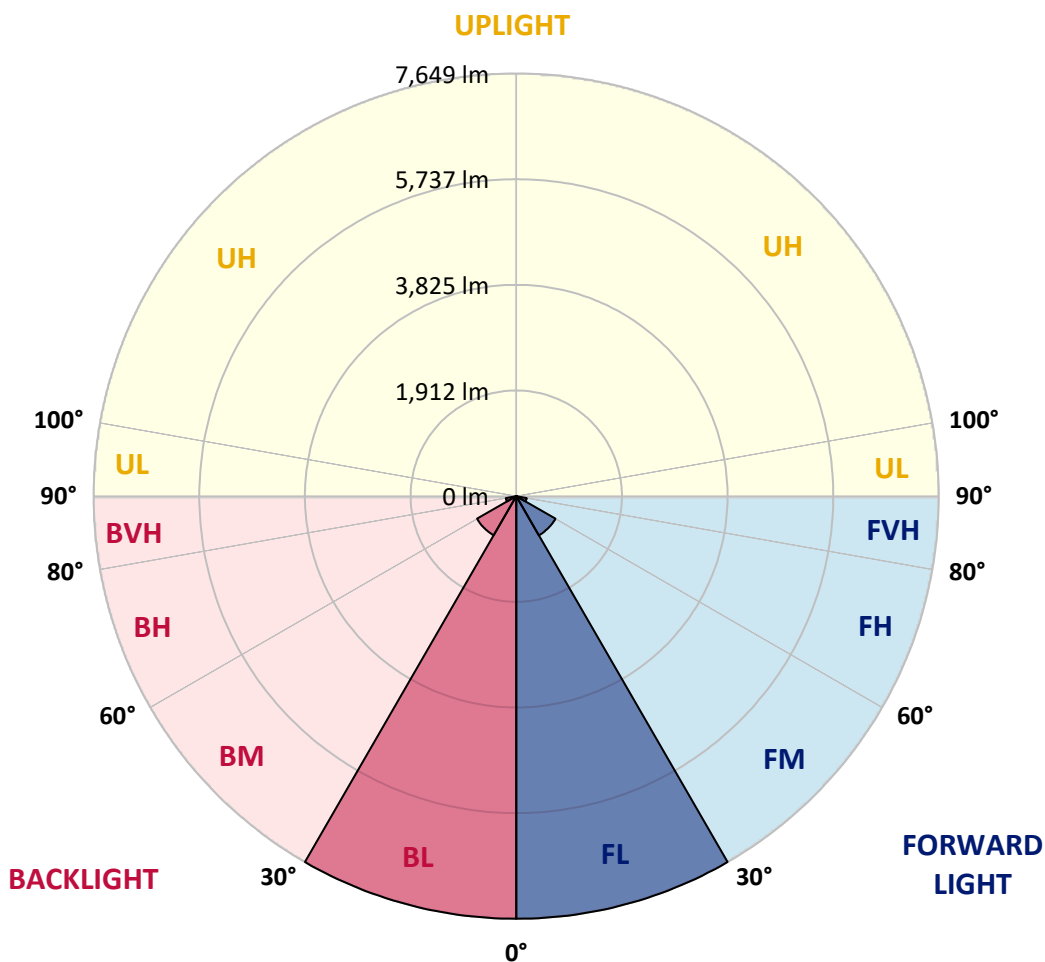


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7649.1	44.1			
FM (30°-60°)	818.4	4.7			
FH (60°-80°)	190.6	1.1			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	7649.1	44.1	B5		
BM (30°-60°)	818.4	4.7	B1/1000		
BH (60°-80°)	190.6	1.1	B1/500		G0/660
BVH (80°-90°)	5.3	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°	516478.4	516478.4	516478.4	516478.4	516478.4	516478.4	516478.4	516478.4	516478.4	516478.4
1°	502124.0	502997.3	503154.8	502115.0	499463.8	500089.5	500008.5	500148.0	499886.9	498230.5
2°	474936.7	476228.5	474869.2	471952.4	465911.7	464471.4	459659.6	454289.6	448573.1	442843.0
3°	419441.2	422159.9	420219.9	423334.8	411082.4	409844.6	399725.9	386384.3	372862.6	361906.7
4°	325208.3	330231.6	330897.8	341178.6	331113.9	334260.2	322701.1	304165.1	283936.6	268461.5
5°	207294.4	214298.3	218250.4	227892.0	232528.3	244600.5	238969.5	220366.0	196991.2	179188.9
6°	104738.8	108551.3	119169.7	129770.0	141608.2	157628.0	159797.6	143467.2	124863.7	107777.1
7°	48824.7	50400.1	57890.1	60149.7	73684.9	91064.1	93494.7	84541.8	74729.2	61486.6
8°	25229.3	25841.5	28578.2	30257.2	38152.3	48149.5	49855.5	44219.9	40204.9	33543.1
9°	15538.2	15808.3	16834.5	17212.6	20165.4	24612.6	25215.8	22857.2	21767.9	19467.8
10°	10775.9	10919.9	11401.6	11500.6	12486.4	13949.3	14003.3	13229.1	13247.1	12670.9
12.5°	5743.6	5788.6	5923.6	5937.1	6126.2	6279.2	6243.2	6247.7	6324.2	6247.7
15°	3673.0	3695.5	3776.5	3794.5	3893.6	3947.6	3920.6	3916.1	3943.1	3893.6
17.5°	2619.7	2633.2	2691.7	2741.2	2804.3	2822.3	2813.3	2804.3	2804.3	2759.2
20°	2043.6	2061.6	2102.1	2151.6	2183.1	2214.6	2219.1	2214.6	2201.1	2178.6
22.5°	1737.5	1746.5	1760.0	1782.5	1805.0	1818.5	1827.5	1832.0	1827.5	1818.5
25°	1512.4	1521.4	1548.4	1561.9	1561.9	1566.4	1584.4	1593.4	1597.9	1579.9
27.5°	1116.3	1138.8	1179.3	1201.8	1201.8	1210.8	1224.3	1242.3	1260.3	1228.8
30°	864.2	882.2	927.3	927.3	922.7	931.8	945.3	972.3	999.3	963.3
32.5°	778.7	778.7	787.7	792.2	792.2	805.7	814.7	837.2	859.7	850.7
35°	814.7	792.2	765.2	765.2	774.2	801.2	805.7	828.2	850.7	882.2
37.5°	1183.8	1116.3	1017.3	999.3	999.3	1030.8	1017.3	1030.8	1071.3	1188.3
40°	1075.8	1021.8	963.3	882.2	882.2	927.3	895.7	913.7	1008.3	1080.3
42.5°	958.8	958.8	895.7	819.2	819.2	841.7	832.7	841.7	949.8	1008.3
45°	886.7	886.7	868.7	747.2	765.2	778.7	778.7	778.7	922.7	940.8
47.5°	846.2	846.2	801.2	688.7	711.2	715.7	724.7	715.7	828.2	891.2
50°	756.2	765.2	688.7	607.7	634.7	634.7	648.2	630.2	715.7	819.2
52.5°	652.7	661.7	544.6	481.6	513.1	508.6	526.6	499.6	567.2	711.2
55°	580.7	576.2	450.1	391.6	427.6	423.1	432.1	400.6	459.1	612.2
57.5°	504.1	513.1	369.1	319.6	360.1	351.1	364.6	328.6	378.1	544.6
60°	445.6	459.1	315.1	270.1	310.6	301.6	315.1	274.6	324.1	490.6
62.5°	427.6	427.6	279.1	229.6	270.1	261.1	270.1	229.6	288.1	450.1
65°	508.6	481.6	252.1	189.1	229.6	220.6	229.6	189.1	252.1	432.1
67.5°	675.2	643.7	238.6	148.5	184.5	171.0	184.5	153.0	220.6	405.1
70°	351.1	373.6	238.6	117.0	139.5	139.5	135.0	117.0	184.5	297.1
72.5°	202.6	207.1	184.5	90.0	108.0	117.0	103.5	90.0	135.0	220.6
75°	112.5	126.0	117.0	67.5	81.0	90.0	76.5	67.5	94.5	157.5
77.5°	67.5	76.5	67.5	45.0	54.0	49.5	54.0	45.0	63.0	103.5
80°	36.0	36.0	36.0	27.0	27.0	31.5	31.5	27.0	36.0	54.0
82.5°	13.5	13.5	13.5	9.0	13.5	13.5	13.5	18.0	18.0	22.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.5	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
516478.4
499864.4
446142.4
366061.3
272048.9
181471.0
109055.4
63089.0
34447.8
19967.4
12936.5
6333.2
3929.6
2772.7
2183.1
1823.0
1579.9
1224.3
954.3
850.7
900.2
1246.8
1147.8
1012.8
936.3
877.7
810.2
693.2
603.2
531.1
477.1
445.6
432.1
400.6
292.6
216.1
139.5
76.5
45.0
22.5
4.5
4.5
0.0

OF REPORT)