

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: P525292

Luminaire Tested: **IFLD-S-SA6C-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525292
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-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

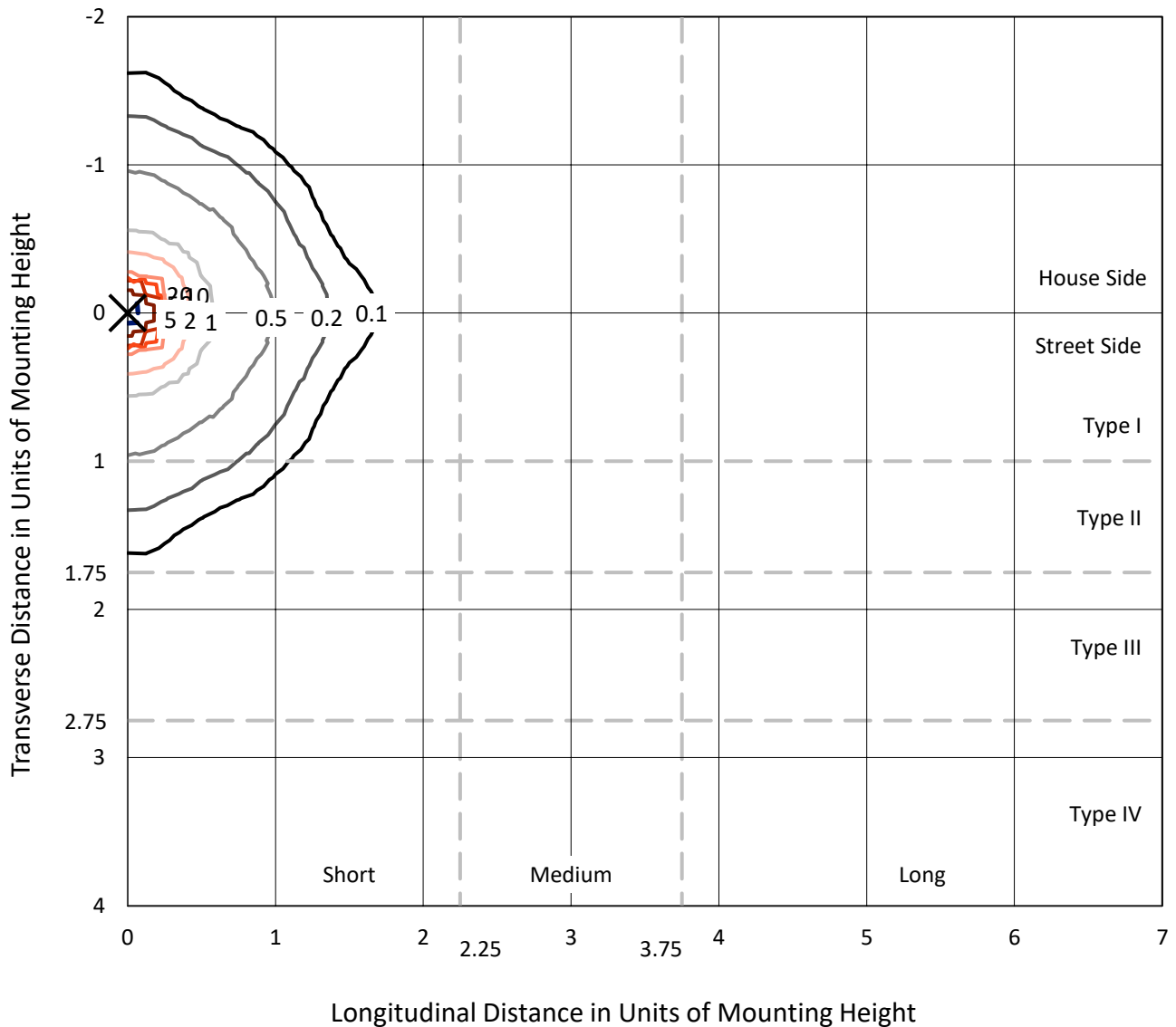
Lumens per Lamp: N/A
Luminaire Lumens: 15346.2 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

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

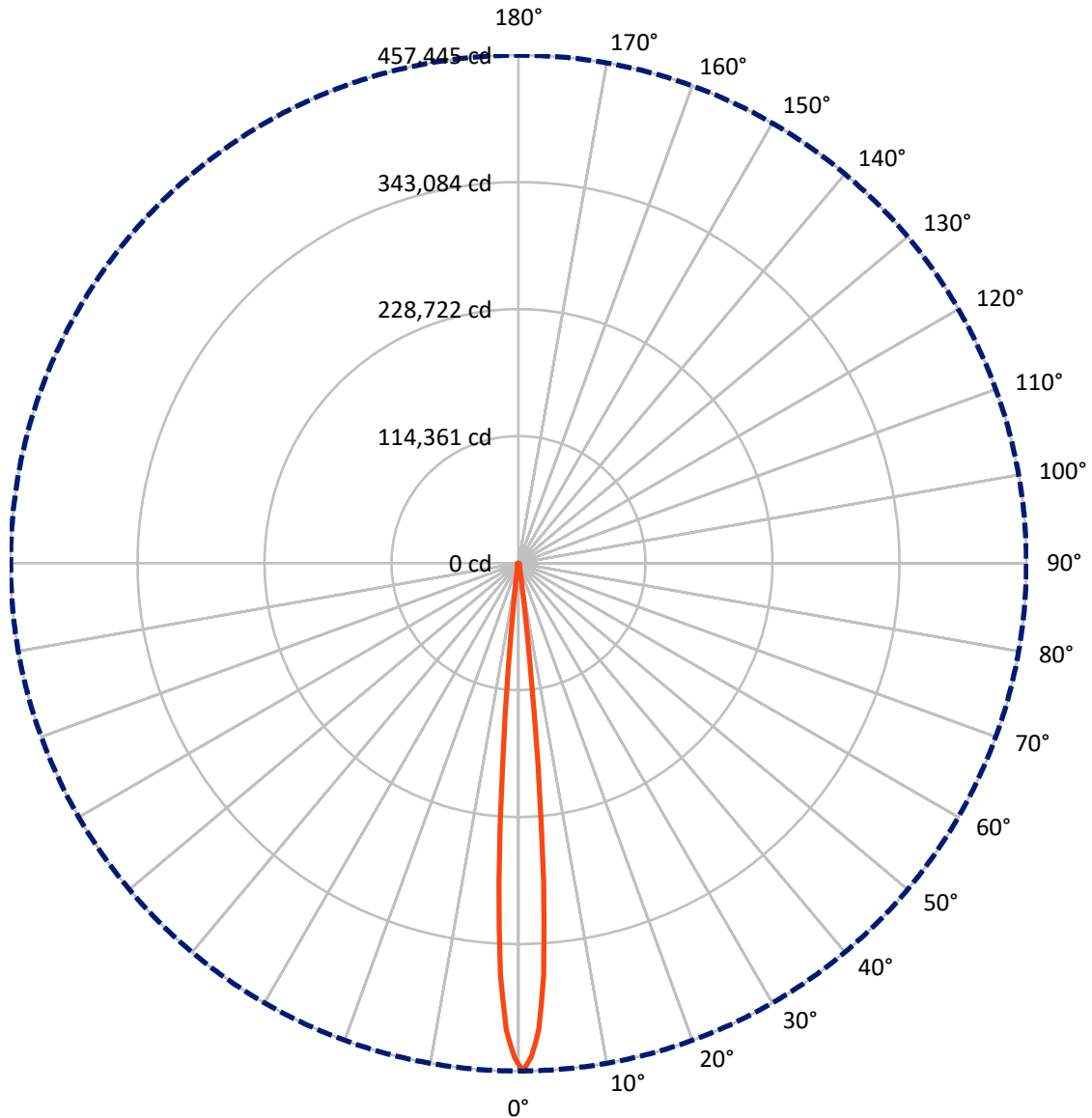
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 731.9 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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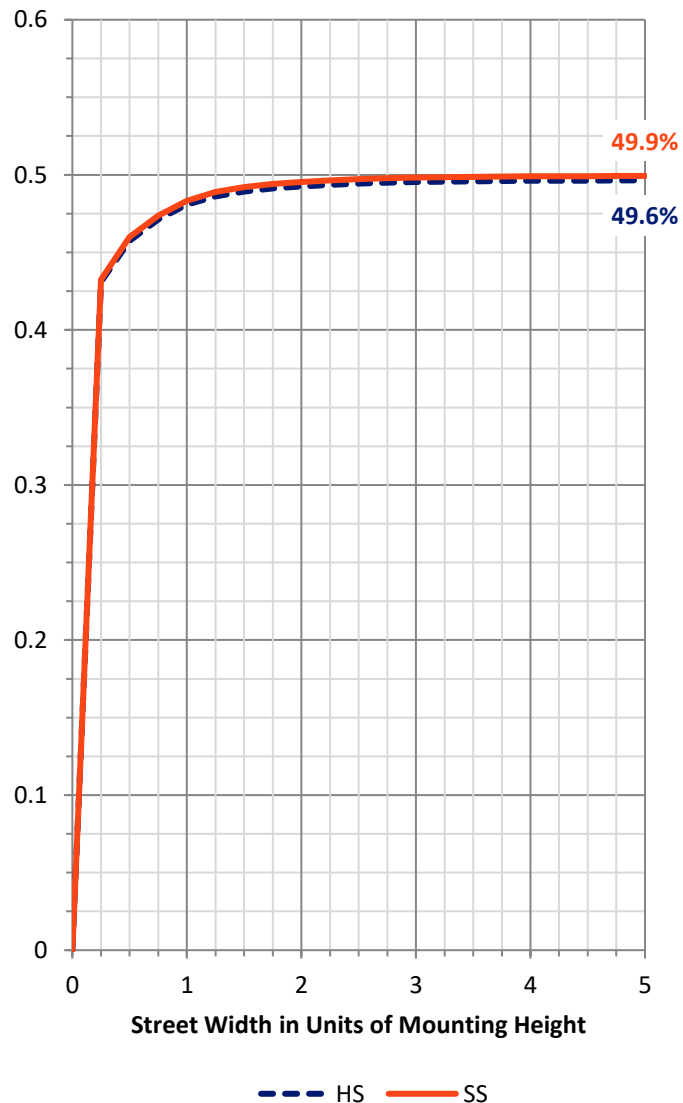
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7673.1	0.0	7673.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7673.1	0.0	7673.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15346.2	0.0	15346.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11785.8	76.8
10°-20°	1149.5	7.5
20°-30°	614.1	4.0
30°-40°	506.5	3.3
40°-50°	564.0	3.7
50°-60°	379.3	2.5
60°-70°	242.0	1.6
70°-80°	95.6	0.6
80°-90°	9.4	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°	15346.2	100.0
0°-180°	15346.2	100.0

Coefficient of Utilization



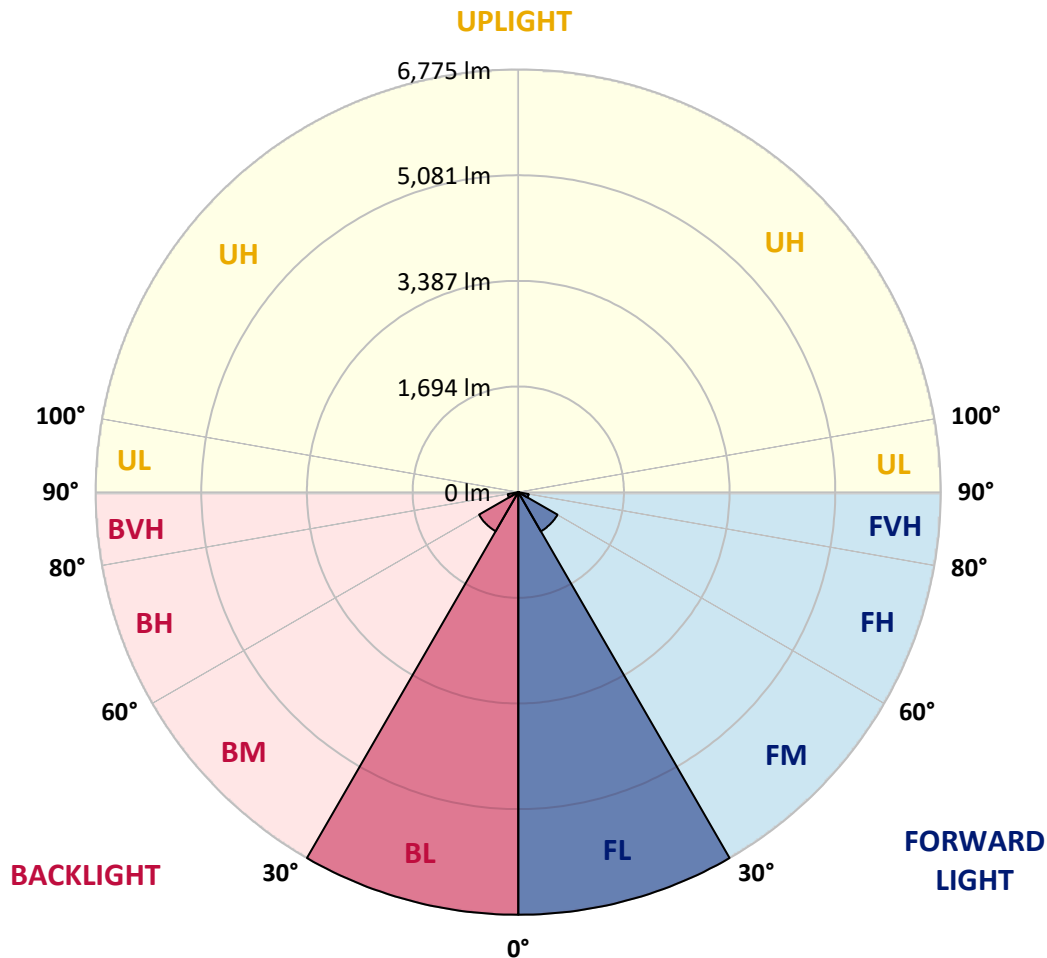
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6774.8	44.1			
FM (30°-60°)	724.9	4.7			
FH (60°-80°)	168.8	1.1			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	6774.8	44.1	B5		
BM (30°-60°)	724.9	4.7	B1/1000		
BH (60°-80°)	168.8	1.1	B1/500		G0/660
BVH (80°-90°)	4.7	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°	457444.9	457444.9	457444.9	457444.9	457444.9	457444.9	457444.9	457444.9	457444.9	457444.9
1°	444731.2	445504.7	445644.2	444723.3	442375.1	442929.2	442857.5	442981.1	442749.8	441282.7
2°	420651.4	421795.6	420591.6	418008.2	412658.0	411382.3	407120.5	402364.3	397301.2	392226.1
3°	371499.1	373907.1	372188.8	374947.6	364095.7	362999.4	354037.2	342220.6	330244.4	320540.7
4°	288037.0	292486.2	293076.2	302181.9	293267.6	296054.3	285816.4	269399.0	251482.7	237776.3
5°	183600.7	189804.0	193304.4	201844.0	205950.3	216642.7	211655.3	195178.1	174475.1	158707.6
6°	92767.1	96143.9	105548.6	114937.3	125422.4	139611.2	141532.8	127068.9	110591.8	95458.2
7°	43244.0	44639.4	51273.3	53274.6	65262.7	80655.5	82808.3	74878.7	66187.6	54458.7
8°	22345.6	22887.8	25311.7	26798.8	33791.5	42646.0	44157.0	39165.6	35609.4	29709.1
9°	13762.2	14001.4	14910.4	15245.2	17860.5	21799.4	22333.6	20244.6	19279.8	17242.6
10°	9544.2	9671.8	10098.4	10186.1	11059.2	12354.9	12402.7	11717.0	11732.9	11222.6
12.5°	5087.1	5126.9	5246.5	5258.5	5425.9	5561.5	5529.6	5533.6	5601.4	5533.6
15°	3253.2	3273.1	3344.9	3360.8	3448.5	3496.4	3472.4	3468.5	3492.4	3448.5
17.5°	2320.3	2332.2	2384.1	2427.9	2483.7	2499.7	2491.7	2483.7	2483.7	2443.9
20°	1810.0	1825.9	1861.8	1905.7	1933.6	1961.5	1965.5	1961.5	1949.5	1929.6
22.5°	1538.9	1546.8	1558.8	1578.7	1598.7	1610.6	1618.6	1622.6	1618.6	1610.6
25°	1339.5	1347.5	1371.4	1383.4	1383.4	1387.4	1403.3	1411.3	1415.3	1399.3
27.5°	988.7	1008.6	1044.5	1064.5	1064.5	1072.4	1084.4	1100.3	1116.3	1088.4
30°	765.5	781.4	821.3	821.3	817.3	825.3	837.2	861.1	885.1	853.2
32.5°	689.7	689.7	697.7	701.7	701.7	713.6	721.6	741.5	761.5	753.5
35°	721.6	701.7	677.7	677.7	685.7	709.6	713.6	733.6	753.5	781.4
37.5°	1048.5	988.7	901.0	885.1	885.1	913.0	901.0	913.0	948.8	1052.5
40°	952.8	905.0	853.2	781.4	781.4	821.3	793.4	809.3	893.0	956.8
42.5°	849.2	849.2	793.4	725.6	725.6	745.5	737.5	745.5	841.2	893.0
45°	785.4	785.4	769.4	661.8	677.7	689.7	689.7	689.7	817.3	833.2
47.5°	749.5	749.5	709.6	610.0	629.9	633.9	641.9	633.9	733.6	789.4
50°	669.8	677.7	610.0	538.2	562.1	562.1	574.1	558.1	633.9	725.6
52.5°	578.1	586.0	482.4	426.6	454.5	450.5	466.4	442.5	502.3	629.9
55°	514.3	510.3	398.7	346.8	378.7	374.8	382.7	354.8	406.6	542.2
57.5°	446.5	454.5	326.9	283.1	318.9	311.0	322.9	291.0	334.9	482.4
60°	394.7	406.6	279.1	239.2	275.1	267.1	279.1	243.2	287.0	434.6
62.5°	378.7	378.7	247.2	203.3	239.2	231.2	239.2	203.3	255.2	398.7
65°	450.5	426.6	223.3	167.4	203.3	195.3	203.3	167.4	223.3	382.7
67.5°	598.0	570.1	211.3	131.6	163.5	151.5	163.5	135.5	195.3	358.8
70°	311.0	330.9	211.3	103.7	123.6	123.6	119.6	103.7	163.5	263.1
72.5°	179.4	183.4	163.5	79.7	95.7	103.7	91.7	79.7	119.6	195.3
75°	99.7	111.6	103.7	59.8	71.8	79.7	67.8	59.8	83.7	139.5
77.5°	59.8	67.8	59.8	39.9	47.8	43.9	47.8	39.9	55.8	91.7
80°	31.9	31.9	31.9	23.9	23.9	27.9	27.9	23.9	31.9	47.8
82.5°	12.0	12.0	12.0	8.0	12.0	12.0	12.0	15.9	15.9	19.9
85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
457444.9
442729.9
395148.3
324220.5
240953.7
160728.8
96590.4
55878.0
30510.4
17685.1
11457.9
5609.3
3480.4
2455.8
1933.6
1614.6
1399.3
1084.4
845.2
753.5
797.3
1104.3
1016.6
897.0
829.2
777.4
717.6
614.0
534.2
470.4
422.6
394.7
382.7
354.8
259.1
191.4
123.6
67.8
39.9
19.9
4.0
4.0
0.0

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