

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: P525304

Luminaire Tested: **IFLD-L-SA7E-930-U-11**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525304
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11
distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

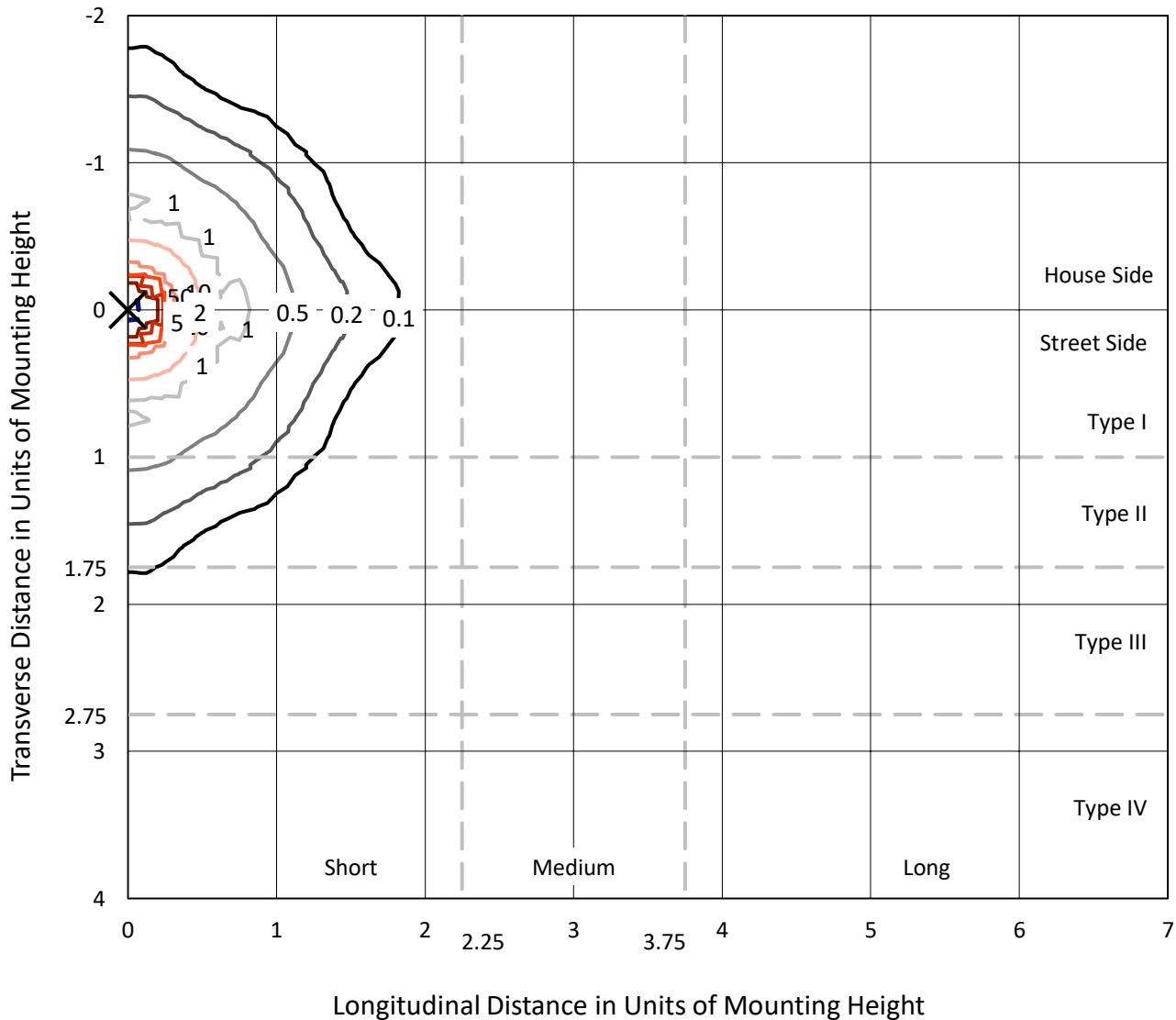
Lumens per Lamp: N/A
Luminaire Lumens: 20849.1 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 532.7
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

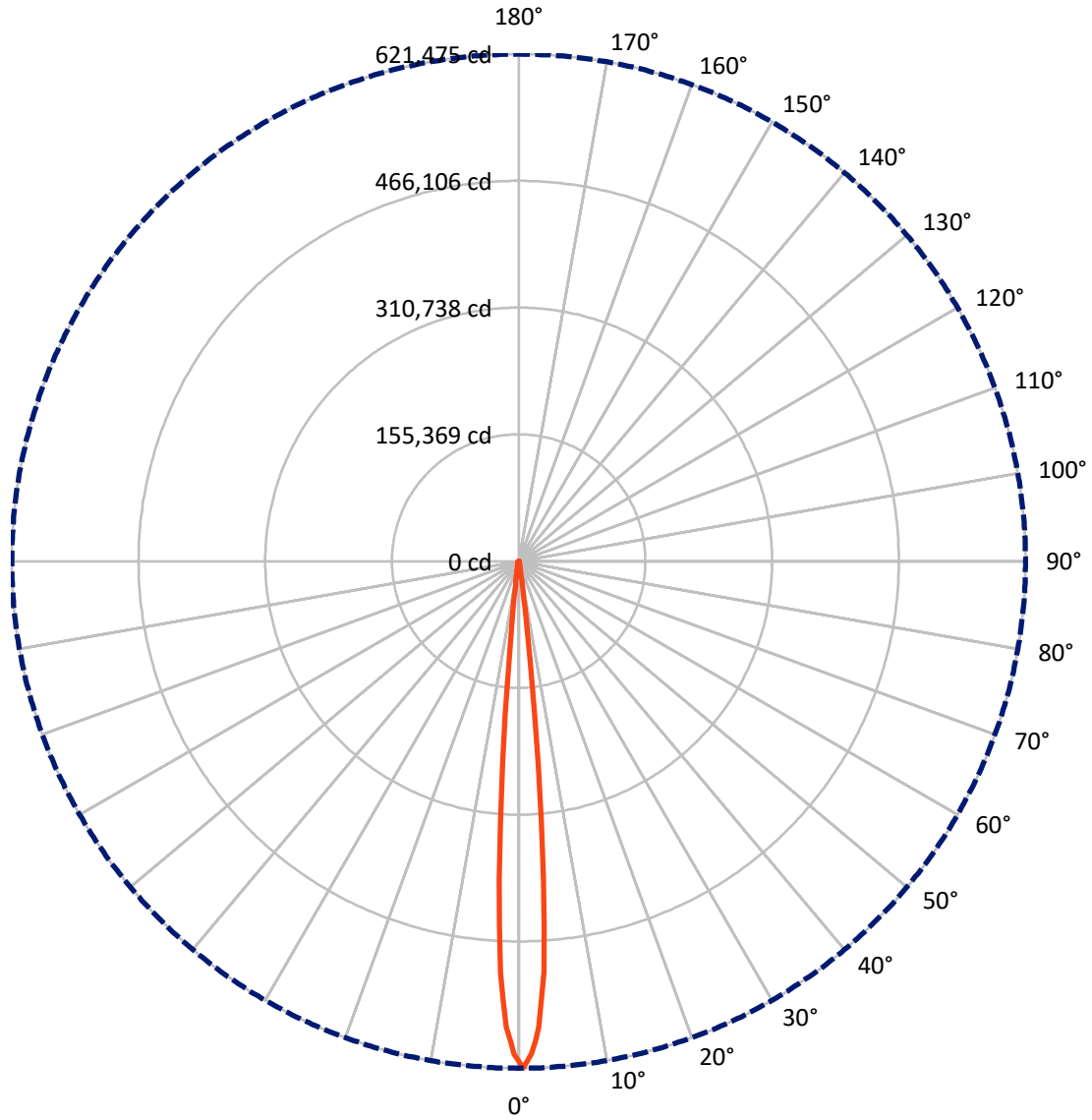
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 994.4 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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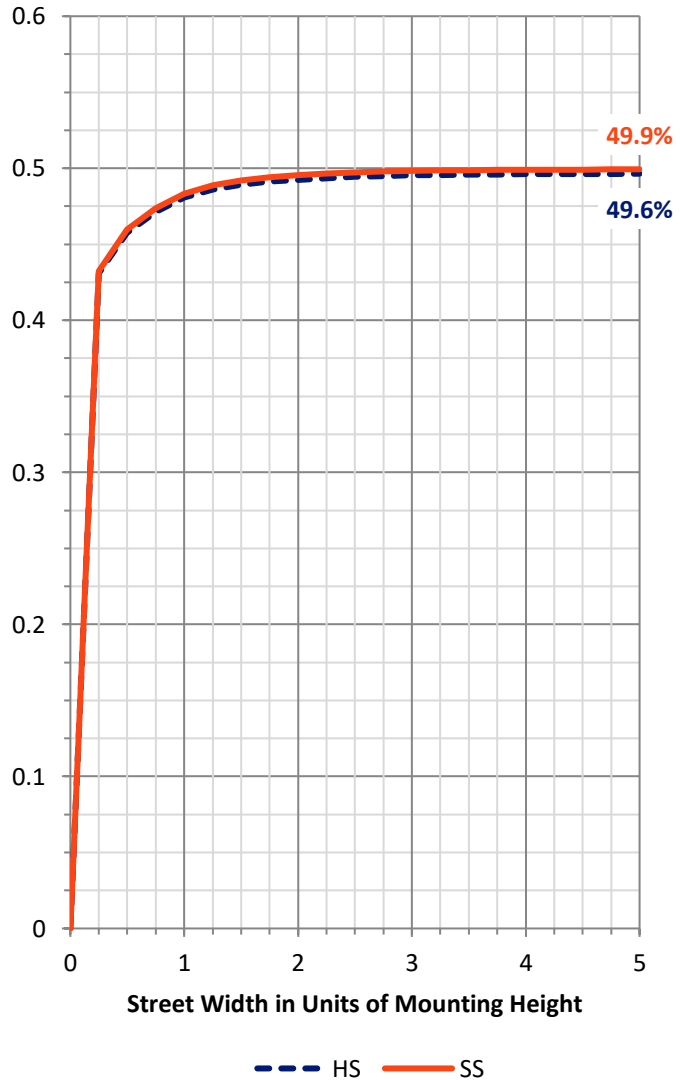
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10424.5	0.0	10424.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10424.5	0.0	10424.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20849.1	0.0	20849.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16012.0	76.8
10°-20°	1561.7	7.5
20°-30°	834.4	4.0
30°-40°	688.1	3.3
40°-50°	766.2	3.7
50°-60°	515.3	2.5
60°-70°	328.8	1.6
70°-80°	129.8	0.6
80°-90°	12.7	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°	20849.1	100.0
0°-180°	20849.1	100.0

Coefficient of Utilization



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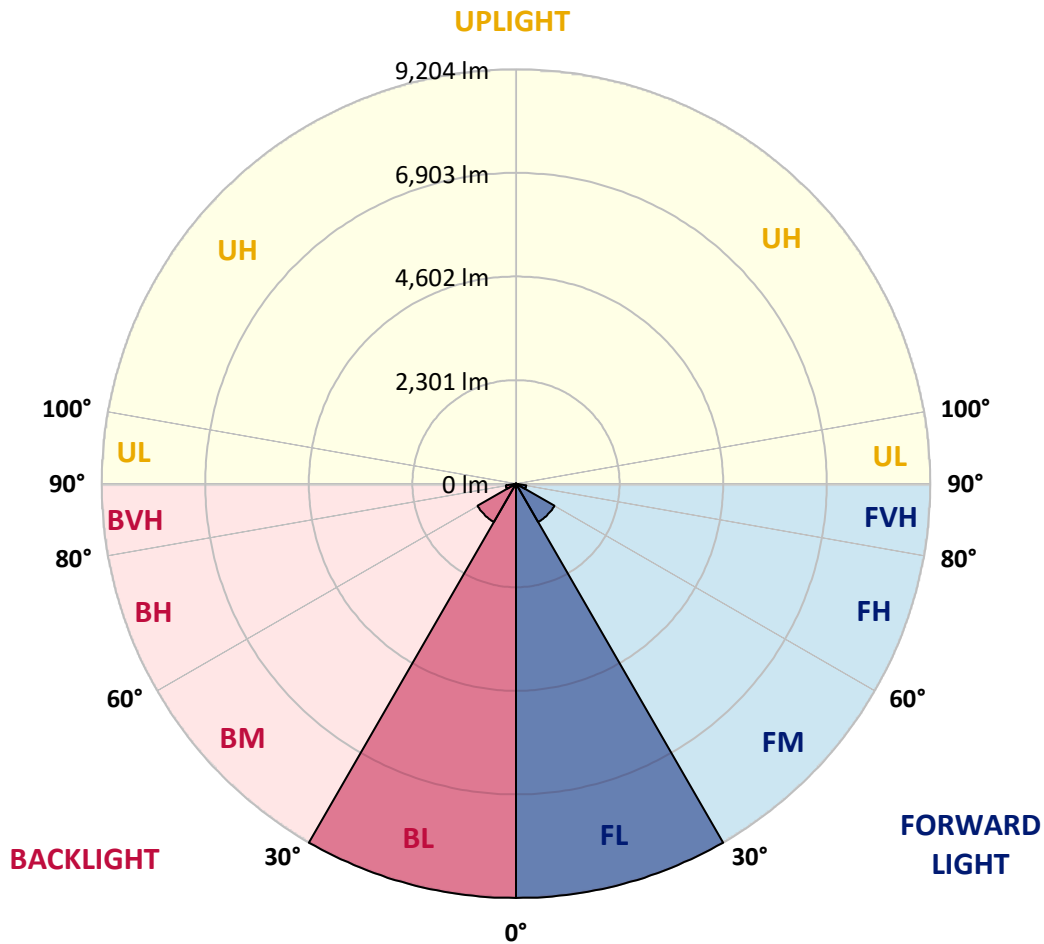
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9204.1	44.1			
FM (30°-60°)	984.8	4.7			
FH (60°-80°)	229.3	1.1			G0/660
FVH (80°-90°)	6.3	0.0			G0/10
BL (0°-30°)	9204.1	44.1	B5		
BM (30°-60°)	984.8	4.7	B1/1000		
BH (60°-80°)	229.3	1.1	B1/500		G0/660
BVH (80°-90°)	6.3	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°	621475.2	621475.2	621475.2	621475.2	621475.2	621475.2	621475.2	621475.2	621475.2	621475.2
1°	604202.6	605253.4	605443.0	604191.8	601001.6	601754.5	601657.0	601824.9	601510.7	599517.5
2°	571488.3	573042.7	571407.0	567897.3	560628.6	558895.4	553105.4	546643.8	539765.1	532870.2
3°	504710.9	507982.4	505647.9	509396.0	494652.9	493163.4	480987.6	464933.7	448663.2	435480.0
4°	391321.0	397365.6	398167.2	410538.0	398427.2	402213.2	388304.2	365999.9	341659.1	323038.0
5°	249436.1	257863.8	262619.3	274221.0	279799.8	294326.2	287550.5	265165.0	237038.2	215616.8
6°	126031.5	130619.1	143396.1	156151.4	170396.3	189672.8	192283.5	172633.2	150247.7	129687.5
7°	58750.4	60646.1	69658.8	72377.8	88664.6	109576.8	112501.6	101728.6	89921.1	73986.4
8°	30358.3	31094.9	34388.0	36408.3	45908.4	57938.0	59990.8	53209.6	48378.2	40362.1
9°	18697.0	19022.0	20256.9	20711.9	24264.9	29616.2	30342.0	27503.9	26193.1	23425.4
10°	12966.6	13139.9	13719.4	13838.6	15024.8	16785.1	16850.1	15918.5	15940.1	15246.8
12.5°	6911.2	6965.3	7127.8	7144.1	7371.6	7555.7	7512.4	7517.8	7609.9	7517.8
15°	4419.7	4446.8	4544.3	4565.9	4685.1	4750.1	4717.6	4712.2	4744.7	4685.1
17.5°	3152.3	3168.5	3238.9	3298.5	3374.3	3396.0	3385.2	3374.3	3374.3	3320.2
20°	2459.0	2480.7	2529.4	2589.0	2626.9	2664.8	2670.2	2664.8	2648.6	2621.5
22.5°	2090.7	2101.5	2117.8	2144.8	2171.9	2188.2	2199.0	2204.4	2199.0	2188.2
25°	1819.9	1830.7	1863.2	1879.5	1879.5	1884.9	1906.5	1917.4	1922.8	1901.1
27.5°	1343.2	1370.3	1419.1	1446.1	1446.1	1457.0	1473.2	1494.9	1516.6	1478.6
30°	1039.9	1061.6	1115.8	1115.8	1110.3	1121.2	1137.4	1169.9	1202.4	1159.1
32.5°	937.0	937.0	947.8	953.3	953.3	969.5	980.3	1007.4	1034.5	1023.7
35°	980.3	953.3	920.8	920.8	931.6	964.1	969.5	996.6	1023.7	1061.6
37.5°	1424.5	1343.2	1224.1	1202.4	1202.4	1240.3	1224.1	1240.3	1289.1	1429.9
40°	1294.5	1229.5	1159.1	1061.6	1061.6	1115.8	1077.8	1099.5	1213.2	1299.9
42.5°	1153.7	1153.7	1077.8	985.8	985.8	1012.8	1002.0	1012.8	1142.8	1213.2
45°	1067.0	1067.0	1045.3	899.1	920.8	937.0	937.0	937.0	1110.3	1132.0
47.5°	1018.3	1018.3	964.1	828.7	855.8	861.2	872.0	861.2	996.6	1072.4
50°	909.9	920.8	828.7	731.2	763.7	763.7	779.9	758.3	861.2	985.8
52.5°	785.4	796.2	655.4	579.5	617.5	612.0	633.7	601.2	682.5	855.8
55°	698.7	693.3	541.6	471.2	514.5	509.1	520.0	482.0	552.5	736.6
57.5°	606.6	617.5	444.1	384.6	433.3	422.5	438.7	395.4	455.0	655.4
60°	536.2	552.5	379.1	325.0	373.7	362.9	379.1	330.4	390.0	590.4
62.5°	514.5	514.5	335.8	276.2	325.0	314.1	325.0	276.2	346.6	541.6
65°	612.0	579.5	303.3	227.5	276.2	265.4	276.2	227.5	303.3	520.0
67.5°	812.4	774.5	287.1	178.7	222.1	205.8	222.1	184.2	265.4	487.5
70°	422.5	449.6	287.1	140.8	167.9	167.9	162.5	140.8	222.1	357.5
72.5°	243.7	249.1	222.1	108.3	130.0	140.8	124.6	108.3	162.5	265.4
75°	135.4	151.7	140.8	81.2	97.5	108.3	92.1	81.2	113.7	189.6
77.5°	81.2	92.1	81.2	54.2	65.0	59.6	65.0	54.2	75.8	124.6
80°	43.3	43.3	43.3	32.5	32.5	37.9	37.9	32.5	43.3	65.0
82.5°	16.2	16.2	16.2	10.8	16.2	16.2	16.2	21.7	21.7	27.1
85°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
87.5°	0.0	0.0	0.0	0.0	0.0	5.4	5.4	5.4	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
621475.2
601483.7
536840.3
440479.2
327354.7
218362.9
131225.7
75914.6
41450.8
24026.6
15566.4
7620.7
4728.4
3336.4
2626.9
2193.6
1901.1
1473.2
1148.3
1023.7
1083.3
1500.3
1381.2
1218.7
1126.6
1056.2
974.9
834.1
725.8
639.1
574.1
536.2
520.0
482.0
352.1
260.0
167.9
92.1
54.2
27.1
5.4
5.4
0.0

OF REPORT)