

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: P525333

Luminaire Tested: **IFLD-S-SA6E-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525333
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

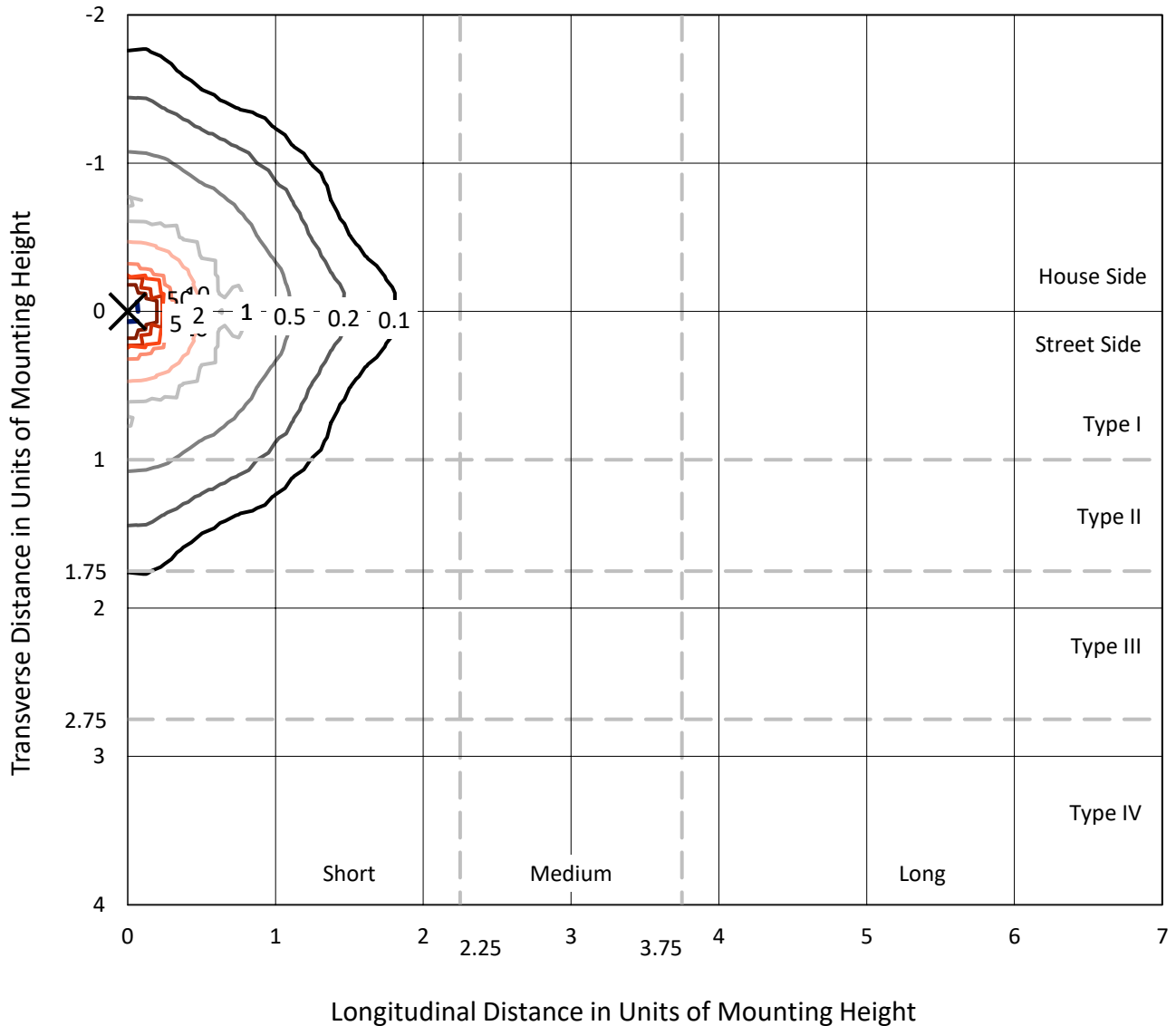
Lumens per Lamp: N/A
Luminaire Lumens: 20274.7 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 464.2
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

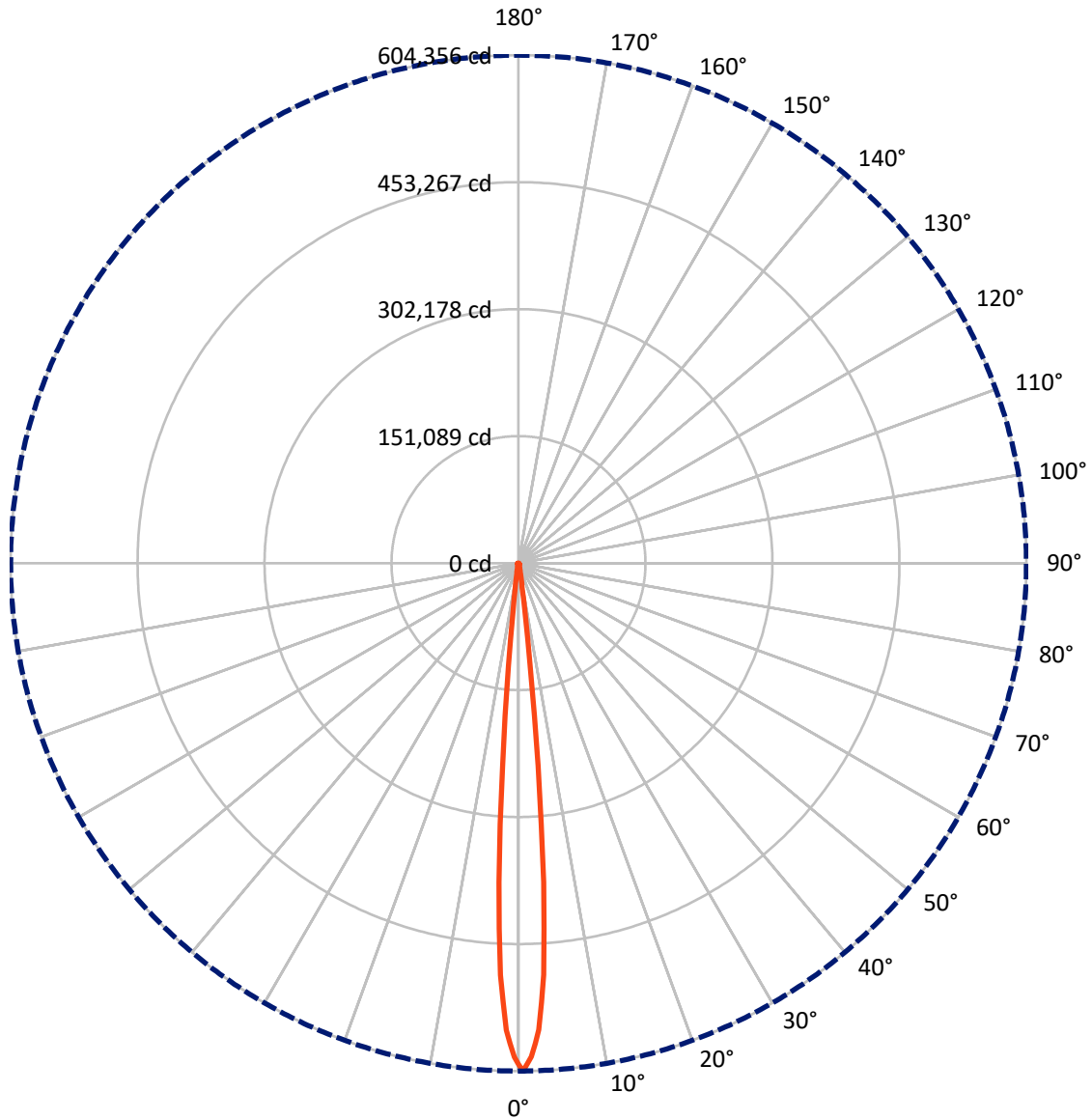
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 967 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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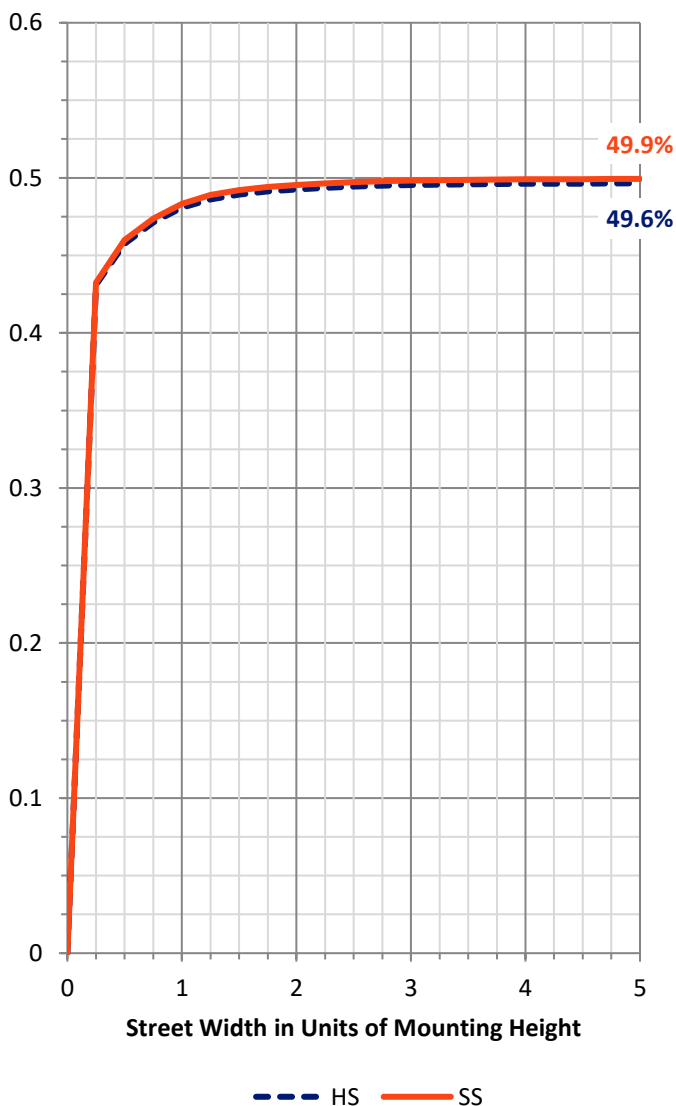
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10137.4	0.0	10137.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10137.4	0.0	10137.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	20274.7	0.0	20274.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15570.9	76.8
10°-20°	1518.7	7.5
20°-30°	811.4	4.0
30°-40°	669.2	3.3
40°-50°	745.1	3.7
50°-60°	501.1	2.5
60°-70°	319.8	1.6
70°-80°	126.2	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°	20274.7	100.0
0°-180°	20274.7	100.0

Coefficient of Utilization



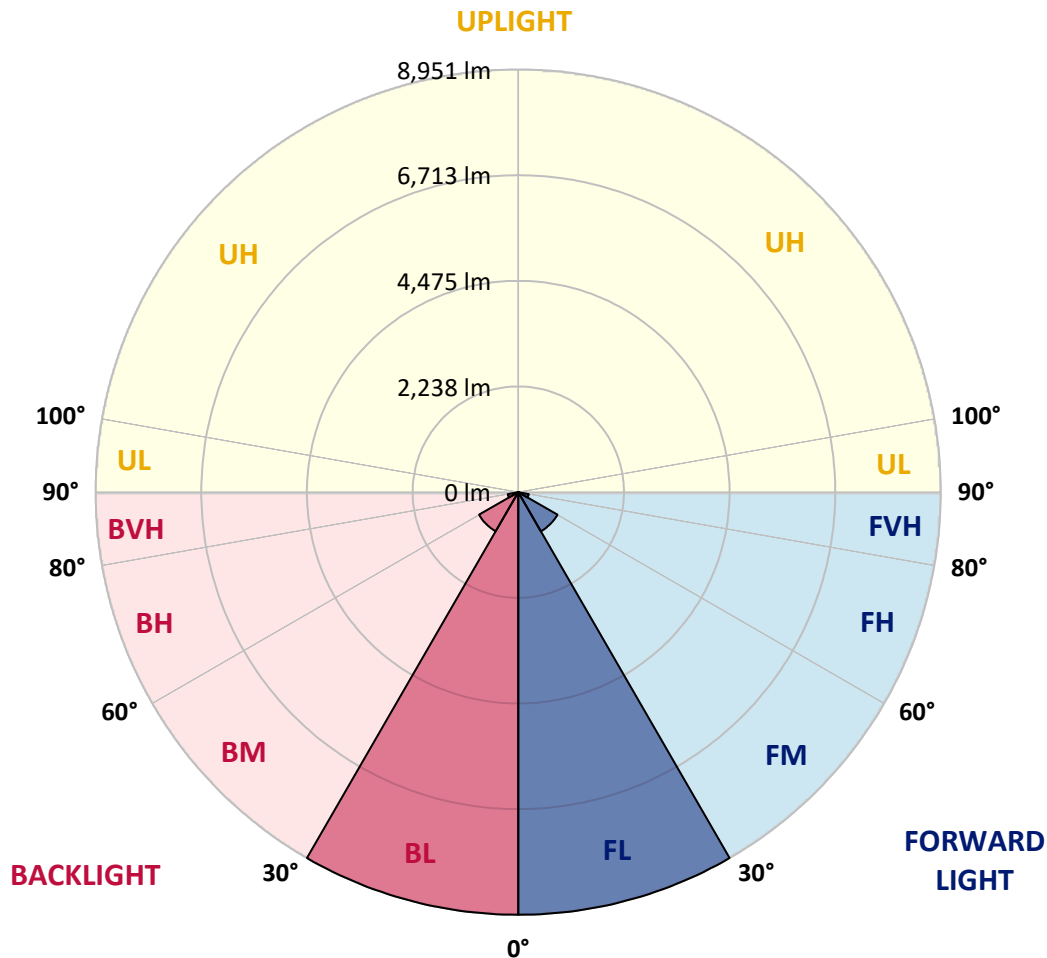
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8950.5	44.1			
FM (30°-60°)	957.7	4.7			
FH (60°-80°)	223.0	1.1			G0/660
FVH (80°-90°)	6.2	0.0			G0/10
BL (0°-30°)	8950.5	44.1	B5		
BM (30°-60°)	957.7	4.7	B1/1000		
BH (60°-80°)	223.0	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°	604355.6	604355.6	604355.6	604355.6	604355.6	604355.6	604355.6	604355.6	604355.6	604355.6
1°	587558.9	588580.7	588765.0	587548.3	584446.0	585178.1	585083.3	585246.6	584941.1	583002.8
2°	555745.7	557257.3	555666.7	552253.6	545185.2	543499.7	537869.2	531585.6	524896.4	518191.4
3°	490807.8	493989.1	491719.0	495363.8	481026.8	479578.4	467738.0	452126.4	436304.0	423484.0
4°	380541.4	386419.5	387199.0	399229.1	387451.9	391133.5	377607.7	355917.8	332247.6	314139.3
5°	242565.0	250760.5	255385.0	266667.1	272092.2	286218.5	279629.4	257860.6	230508.6	209677.3
6°	122559.7	127021.0	139446.0	151850.0	165702.4	184448.0	186986.7	167877.7	146108.9	126115.0
7°	57132.0	58975.5	67739.9	70384.0	86222.1	106558.3	109402.6	98926.3	87444.1	71948.3
8°	29522.0	30238.3	33440.7	35405.3	44643.8	56342.0	58338.2	51743.8	47045.6	39250.3
9°	18182.0	18498.0	19698.9	20141.3	23596.5	28800.4	29506.2	26746.2	25471.6	22780.1
10°	12609.4	12777.9	13341.5	13457.4	14610.9	16322.7	16385.9	15480.0	15501.0	14826.8
12.5°	6720.8	6773.5	6931.5	6947.3	7168.5	7347.6	7305.4	7310.7	7400.3	7310.7
15°	4297.9	4324.3	4419.1	4440.2	4556.0	4619.2	4587.6	4582.4	4614.0	4556.0
17.5°	3065.4	3081.2	3149.7	3207.7	3281.4	3302.5	3291.9	3281.4	3281.4	3228.7
20°	2391.3	2412.3	2459.7	2517.7	2554.5	2591.4	2596.7	2591.4	2575.6	2549.3
22.5°	2033.1	2043.6	2059.4	2085.8	2112.1	2127.9	2138.4	2143.7	2138.4	2127.9
25°	1769.7	1780.3	1811.9	1827.7	1827.7	1832.9	1854.0	1864.5	1869.8	1848.7
27.5°	1306.2	1332.6	1380.0	1406.3	1406.3	1416.8	1432.6	1453.7	1474.8	1437.9
30°	1011.3	1032.3	1085.0	1085.0	1079.8	1090.3	1106.1	1137.7	1169.3	1127.2
32.5°	911.2	911.2	921.7	927.0	927.0	942.8	953.3	979.7	1006.0	995.5
35°	953.3	927.0	895.4	895.4	905.9	937.5	942.8	969.1	995.5	1032.3
37.5°	1385.2	1306.2	1190.4	1169.3	1169.3	1206.2	1190.4	1206.2	1253.6	1390.5
40°	1258.8	1195.6	1127.2	1032.3	1032.3	1085.0	1048.1	1069.2	1179.8	1264.1
42.5°	1121.9	1121.9	1048.1	958.6	958.6	984.9	974.4	984.9	1111.4	1179.8
45°	1037.6	1037.6	1016.5	874.3	895.4	911.2	911.2	911.2	1079.8	1100.8
47.5°	990.2	990.2	937.5	805.9	832.2	837.5	848.0	837.5	969.1	1042.9
50°	884.9	895.4	805.9	711.1	742.7	742.7	758.5	737.4	837.5	958.6
52.5°	763.7	774.3	637.3	563.6	600.4	595.2	616.2	584.6	663.7	832.2
55°	679.5	674.2	526.7	458.2	500.4	495.1	505.6	468.8	537.2	716.3
57.5°	589.9	600.4	431.9	374.0	421.4	410.8	426.6	384.5	442.4	637.3
60°	521.4	537.2	368.7	316.0	363.4	352.9	368.7	321.3	379.2	574.1
62.5°	500.4	500.4	326.6	268.6	316.0	305.5	316.0	268.6	337.1	526.7
65°	595.2	563.6	295.0	221.2	268.6	258.1	268.6	221.2	295.0	505.6
67.5°	790.1	753.2	279.2	173.8	216.0	200.1	216.0	179.1	258.1	474.0
70°	410.8	437.2	279.2	136.9	163.3	163.3	158.0	136.9	216.0	347.6
72.5°	237.0	242.3	216.0	105.3	126.4	136.9	121.1	105.3	158.0	258.1
75°	131.7	147.5	136.9	79.0	94.8	105.3	89.5	79.0	110.6	184.3
77.5°	79.0	89.5	79.0	52.7	63.2	57.9	63.2	52.7	73.7	121.1
80°	42.1	42.1	42.1	31.6	31.6	36.9	36.9	31.6	42.1	63.2
82.5°	15.8	15.8	15.8	10.5	15.8	15.8	15.8	21.1	21.1	26.3
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°
604355.6
584914.8
522052.2
428345.5
318337.2
212347.7
127610.9
73823.4
40309.0
23364.8
15137.6
7410.8
4598.2
3244.5
2554.5
2133.2
1848.7
1432.6
1116.6
995.5
1053.4
1459.0
1343.1
1185.1
1095.6
1027.1
948.1
811.1
705.8
621.5
558.3
521.4
505.6
468.8
342.4
252.8
163.3
89.5
52.7
26.3
5.3
5.3
0.0

OF REPORT)