

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: P525308

Luminaire Tested: **IFLD-L-SA8D-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525308
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

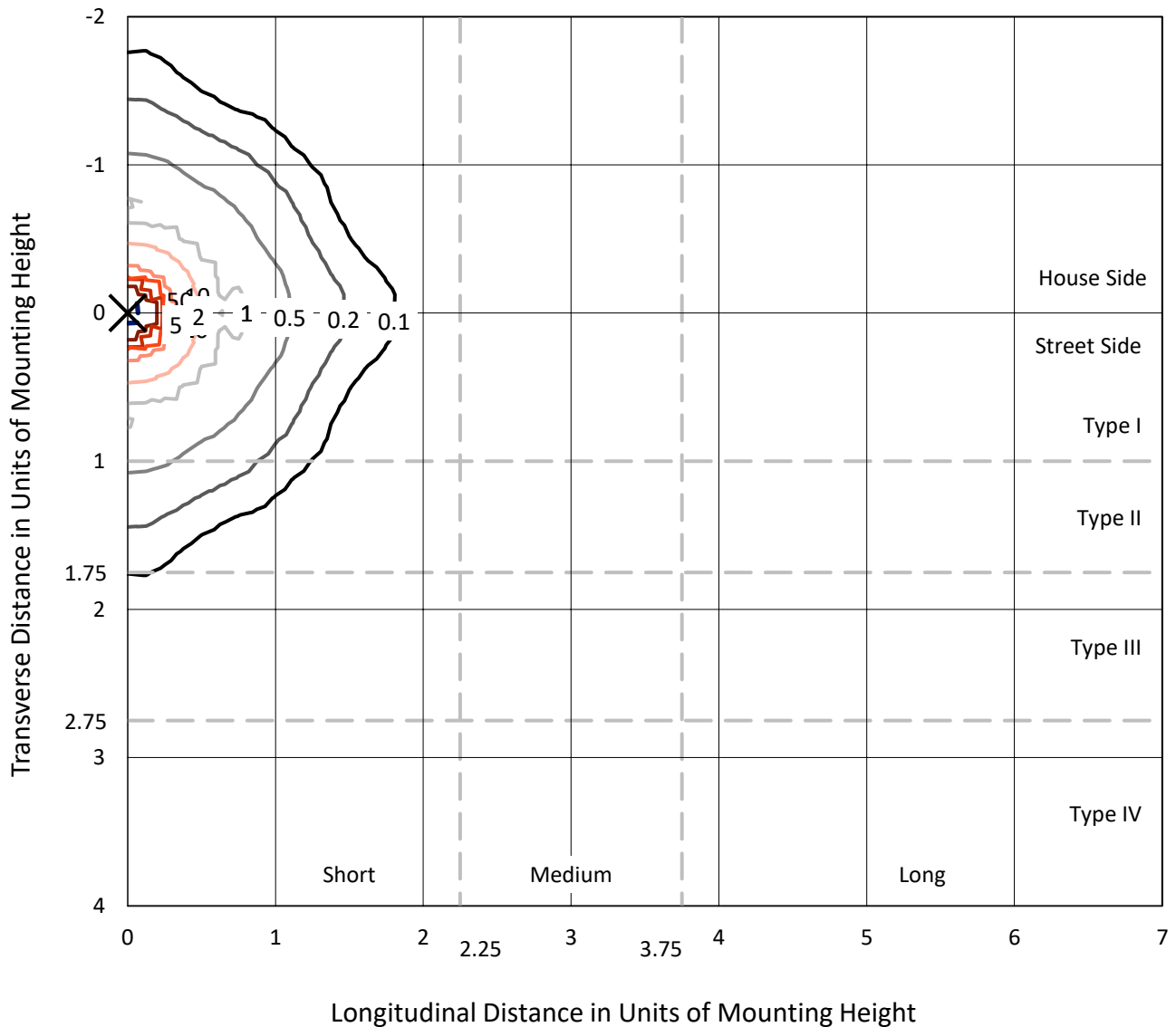
Lumens per Lamp: N/A
Luminaire Lumens: 20253.1 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 488.3
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

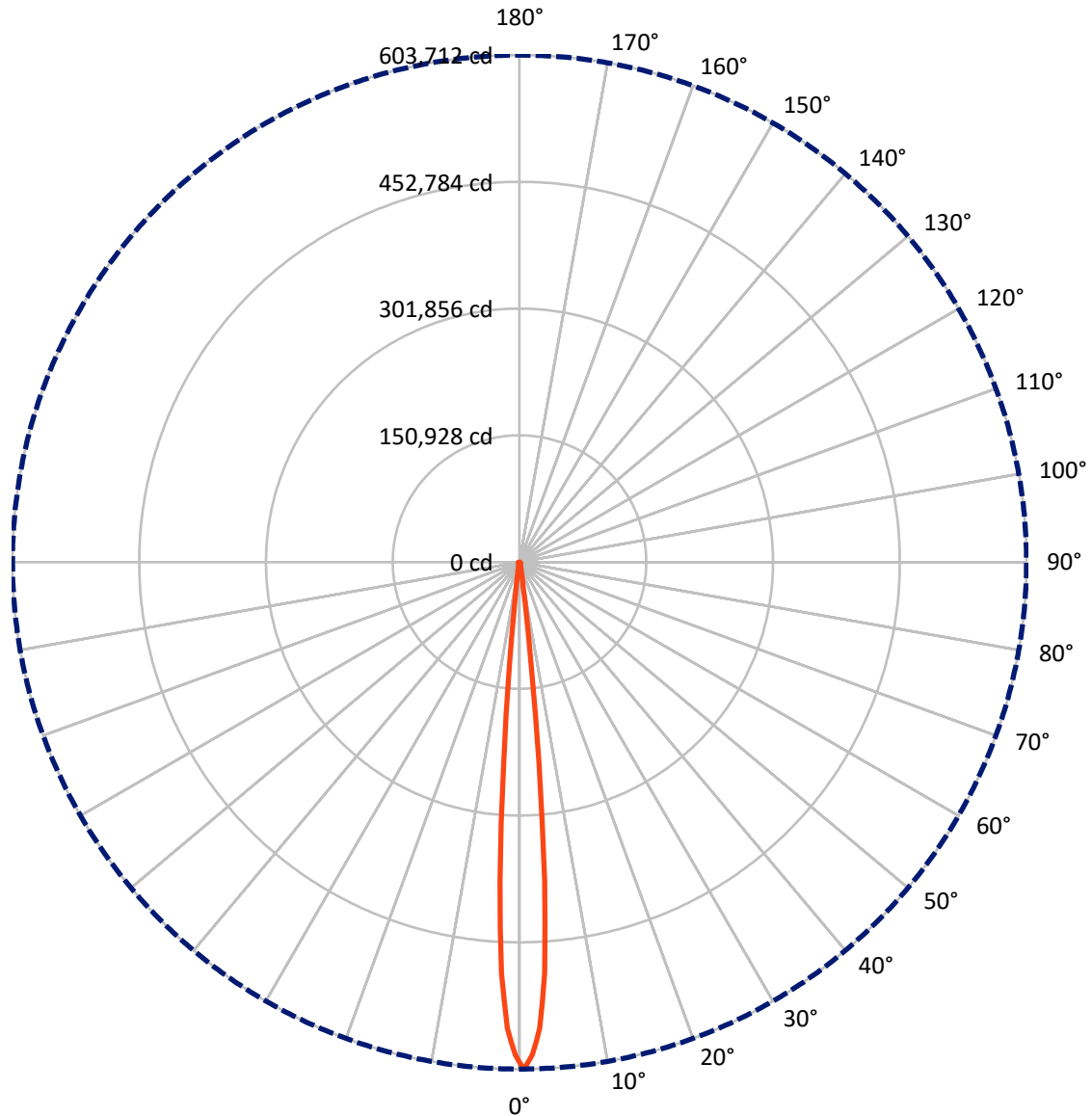
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 965.9 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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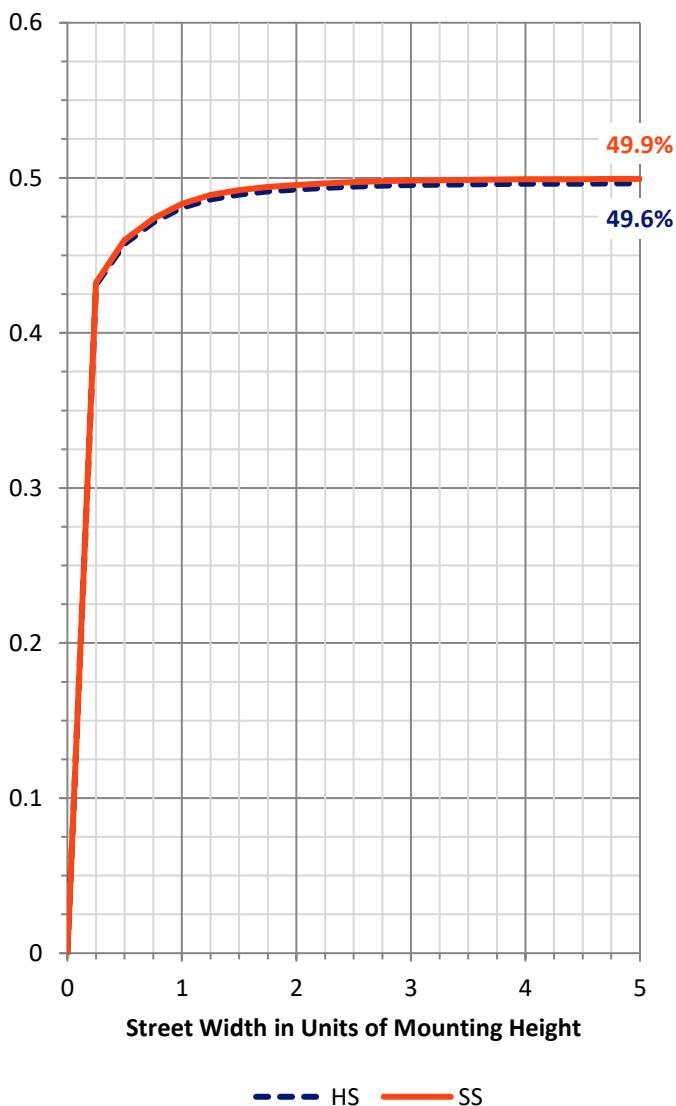
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10126.6	0.0	10126.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10126.6	0.0	10126.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20253.1	0.0	20253.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15554.3	76.8
10°-20°	1517.1	7.5
20°-30°	810.5	4.0
30°-40°	668.5	3.3
40°-50°	744.3	3.7
50°-60°	500.5	2.5
60°-70°	319.4	1.6
70°-80°	126.1	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°	20253.1	100.0
0°-180°	20253.1	100.0

Coefficient of Utilization

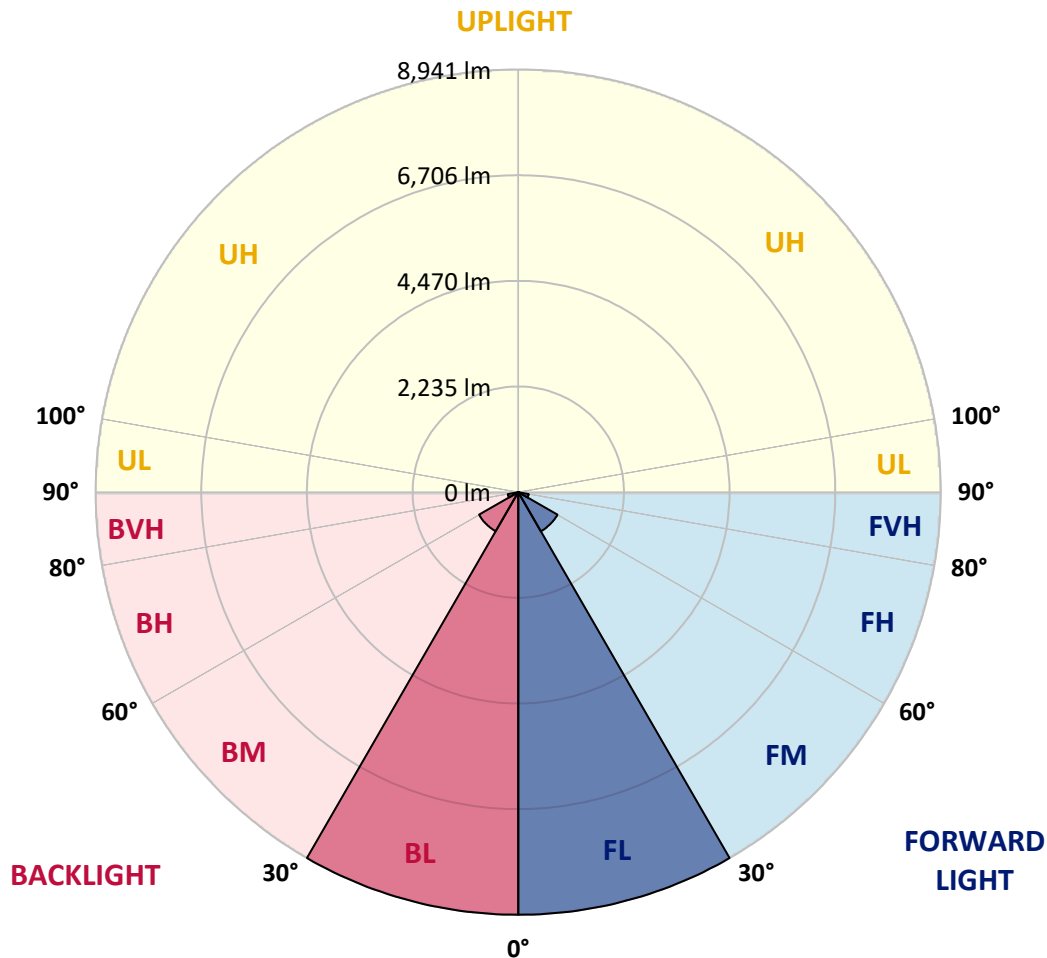


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8941.0	44.1			
FM (30°-60°)	956.7	4.7			
FH (60°-80°)	222.7	1.1			G0/660
FVH (80°-90°)	6.2	0.0			G0/10
BL (0°-30°)	8941.0	44.1	B5		
BM (30°-60°)	956.7	4.7	B1/1000		
BH (60°-80°)	222.7	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°	603711.7	603711.7	603711.7	603711.7	603711.7	603711.7	603711.7	603711.7	603711.7	603711.7
1°	586932.8	587953.6	588137.7	586922.3	583823.3	584554.6	584459.9	584623.0	584317.9	582381.7
2°	555153.5	556663.6	555074.6	551665.2	544604.3	542920.6	537296.1	531019.2	524337.1	517639.3
3°	490284.9	493462.8	491195.1	494836.0	480514.3	479067.4	467239.6	451644.6	435839.2	423032.8
4°	380136.0	386007.8	386786.5	398803.7	387039.0	390716.8	377205.3	355538.6	331893.6	313804.6
5°	242306.5	250493.4	255112.9	266383.0	271802.3	285913.6	279331.5	257585.8	230263.0	209453.9
6°	122429.2	126885.6	139297.4	151688.2	165525.9	184251.4	186787.5	167698.9	145953.2	125980.7
7°	57071.2	58912.7	67667.8	70309.0	86130.3	106444.8	109286.0	98820.9	87350.9	71871.7
8°	29490.5	30206.1	33405.1	35367.6	44596.2	56282.0	58276.0	51688.7	46995.5	39208.5
9°	18162.6	18478.3	19677.9	20119.9	23571.4	28769.7	29474.8	26717.7	25444.5	22755.9
10°	12596.0	12764.3	13327.3	13443.1	14595.3	16305.3	16368.4	15463.5	15484.5	14811.0
12.5°	6713.6	6766.3	6924.1	6939.9	7160.9	7339.8	7297.7	7302.9	7392.4	7302.9
15°	4293.4	4319.7	4414.4	4435.4	4551.2	4614.3	4582.7	4577.5	4609.0	4551.2
17.5°	3062.2	3078.0	3146.4	3204.2	3277.9	3298.9	3288.4	3277.9	3277.9	3225.3
20°	2388.7	2409.8	2457.1	2515.0	2551.8	2588.6	2593.9	2588.6	2572.9	2546.6
22.5°	2030.9	2041.5	2057.2	2083.5	2109.8	2125.6	2136.2	2141.4	2136.2	2125.6
25°	1767.9	1778.4	1809.9	1825.7	1825.7	1831.0	1852.0	1862.6	1867.8	1846.8
27.5°	1304.8	1331.2	1378.5	1404.8	1404.8	1415.3	1431.1	1452.2	1473.2	1436.4
30°	1010.2	1031.2	1083.9	1083.9	1078.6	1089.1	1104.9	1136.5	1168.0	1126.0
32.5°	910.2	910.2	920.8	926.0	926.0	941.8	952.3	978.6	1004.9	994.4
35°	952.3	926.0	894.5	894.5	905.0	936.5	941.8	968.1	994.4	1031.2
37.5°	1383.8	1304.8	1189.1	1168.0	1168.0	1204.9	1189.1	1204.9	1252.2	1389.0
40°	1257.5	1194.4	1126.0	1031.2	1031.2	1083.9	1047.0	1068.1	1178.6	1262.8
42.5°	1120.7	1120.7	1047.0	957.6	957.6	983.9	973.4	983.9	1110.2	1178.6
45°	1036.5	1036.5	1015.5	873.4	894.5	910.2	910.2	910.2	1078.6	1099.6
47.5°	989.2	989.2	936.5	805.0	831.3	836.6	847.1	836.6	968.1	1041.8
50°	883.9	894.5	805.0	710.3	741.9	741.9	757.7	736.6	836.6	957.6
52.5°	762.9	773.4	636.6	563.0	599.8	594.5	615.6	584.0	662.9	831.3
55°	678.7	673.5	526.1	457.7	499.8	494.6	505.1	468.3	536.7	715.6
57.5°	589.3	599.8	431.4	373.6	420.9	410.4	426.2	384.1	442.0	636.6
60°	520.9	536.7	368.3	315.7	363.0	352.5	368.3	320.9	378.8	573.5
62.5°	499.8	499.8	326.2	268.3	315.7	305.2	315.7	268.3	336.7	526.1
65°	594.5	563.0	294.6	221.0	268.3	257.8	268.3	221.0	294.6	505.1
67.5°	789.2	752.4	278.9	173.6	215.7	199.9	215.7	178.9	257.8	473.5
70°	410.4	436.7	278.9	136.8	163.1	163.1	157.8	136.8	215.7	347.3
72.5°	236.8	242.0	215.7	105.2	126.3	136.8	121.0	105.2	157.8	257.8
75°	131.5	147.3	136.8	78.9	94.7	105.2	89.4	78.9	110.5	184.2
77.5°	78.9	89.4	78.9	52.6	63.1	57.9	63.1	52.6	73.7	121.0
80°	42.1	42.1	42.1	31.6	31.6	36.8	36.8	31.6	42.1	63.1
82.5°	15.8	15.8	15.8	10.5	15.8	15.8	15.8	21.0	21.0	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°
603711.7
584291.6
521495.9
427889.1
317998.0
212121.4
127474.9
73744.8
40266.0
23339.9
15121.5
7402.9
4593.3
3241.1
2551.8
2130.9
1846.8
1431.1
1115.4
994.4
1052.3
1457.4
1341.7
1183.8
1094.4
1026.0
947.1
810.3
705.0
620.9
557.7
520.9
505.1
468.3
342.0
252.6
163.1
89.4
52.6
26.3
5.3
5.3
0.0

OF REPORT)