

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: P525330

Luminaire Tested: **IFLD-S-SA6B-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525330
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

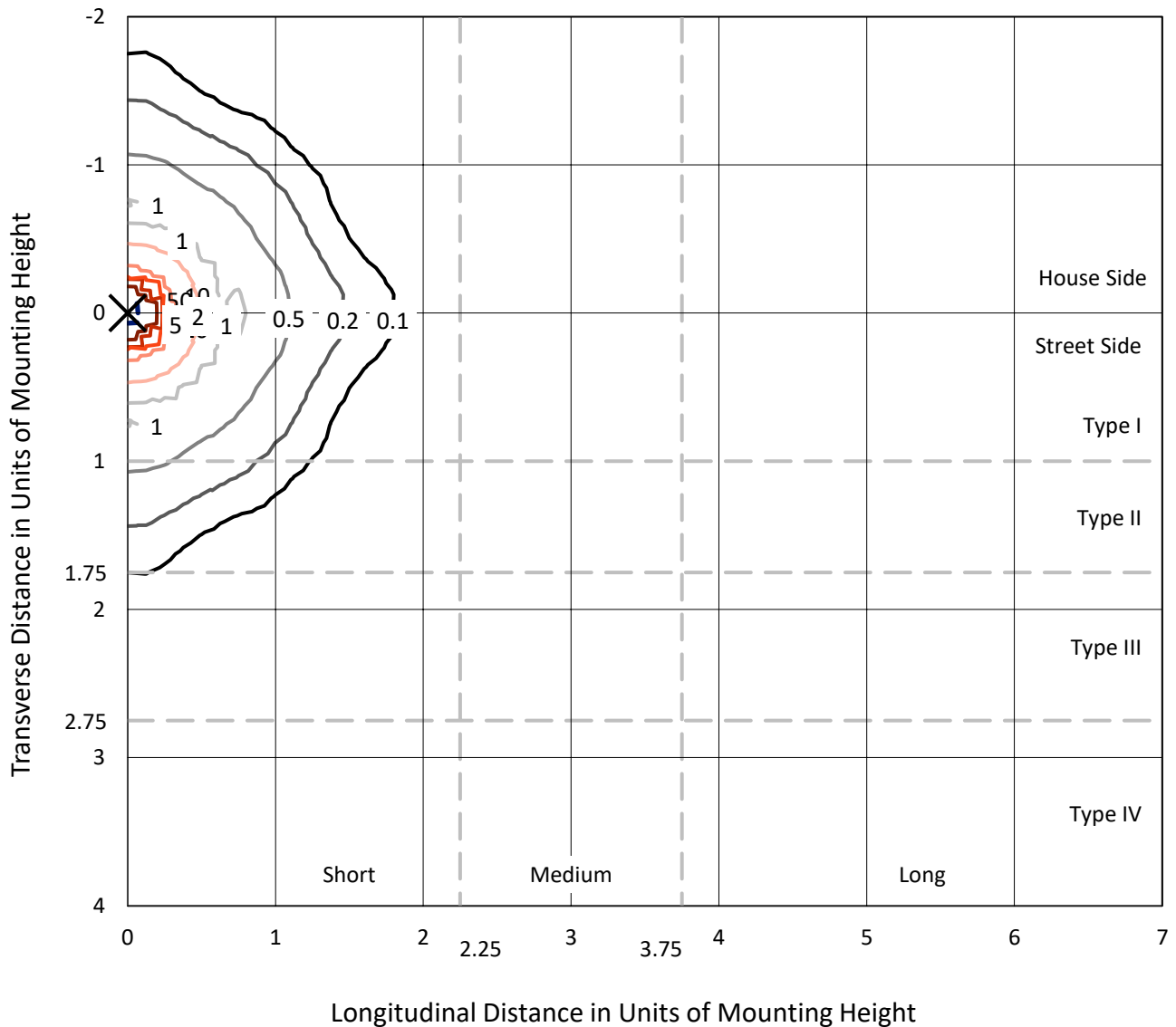
Lumens per Lamp: N/A
Luminaire Lumens: 12790.2 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 244.9
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

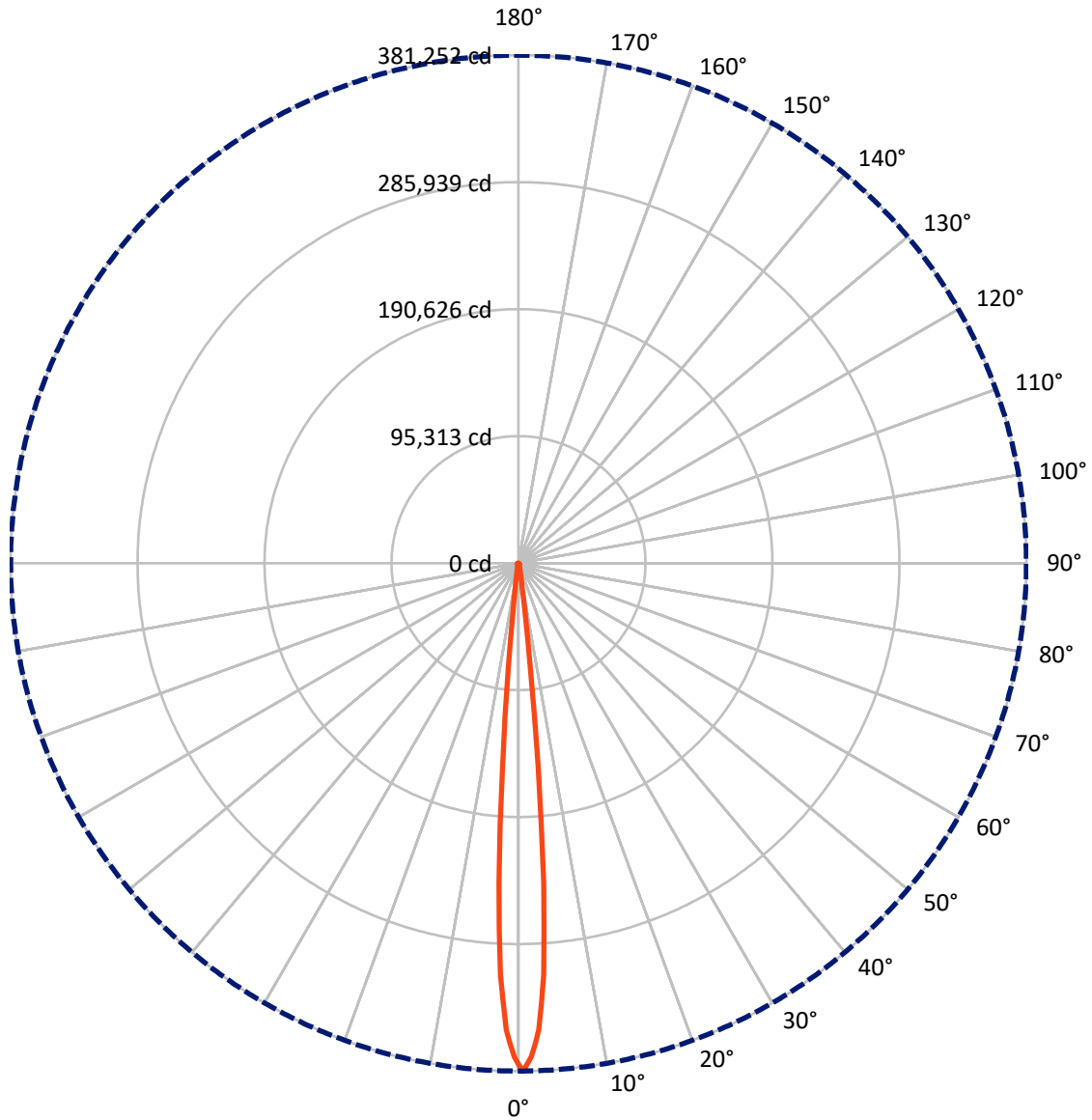
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 953.1 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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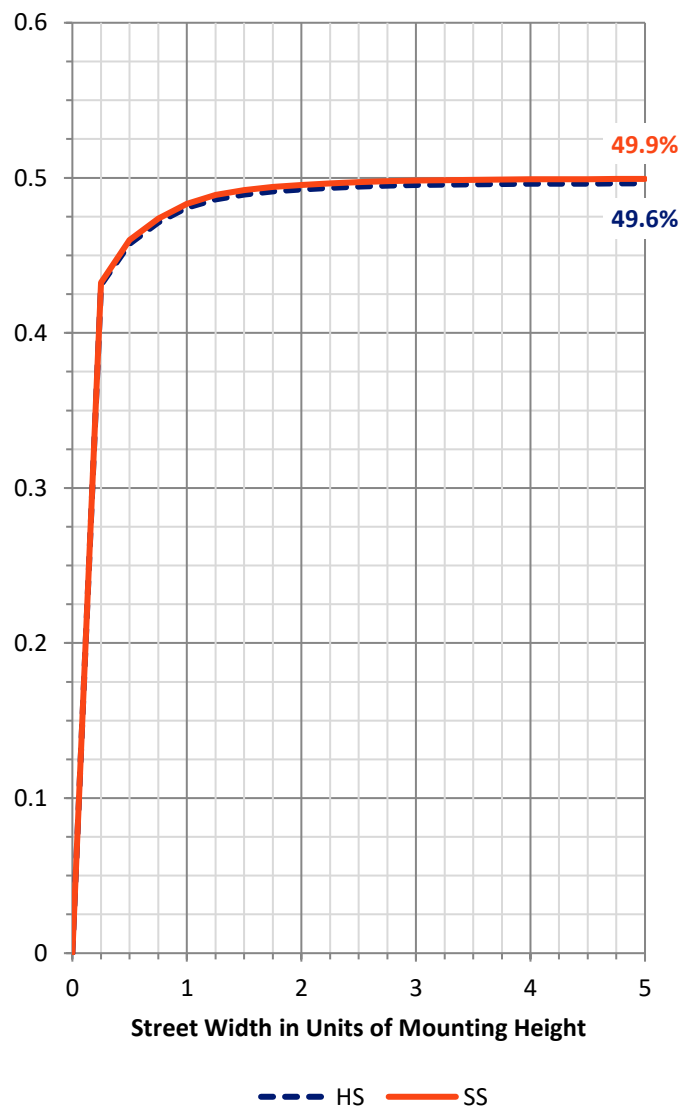
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6395.1	0.0	6395.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6395.1	0.0	6395.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12790.2	0.0	12790.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9822.8	76.8
10°-20°	958.1	7.5
20°-30°	511.9	4.0
30°-40°	422.1	3.3
40°-50°	470.0	3.7
50°-60°	316.1	2.5
60°-70°	201.7	1.6
70°-80°	79.6	0.6
80°-90°	7.8	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°	12790.2	100.0
0°-180°	12790.2	100.0

Coefficient of Utilization

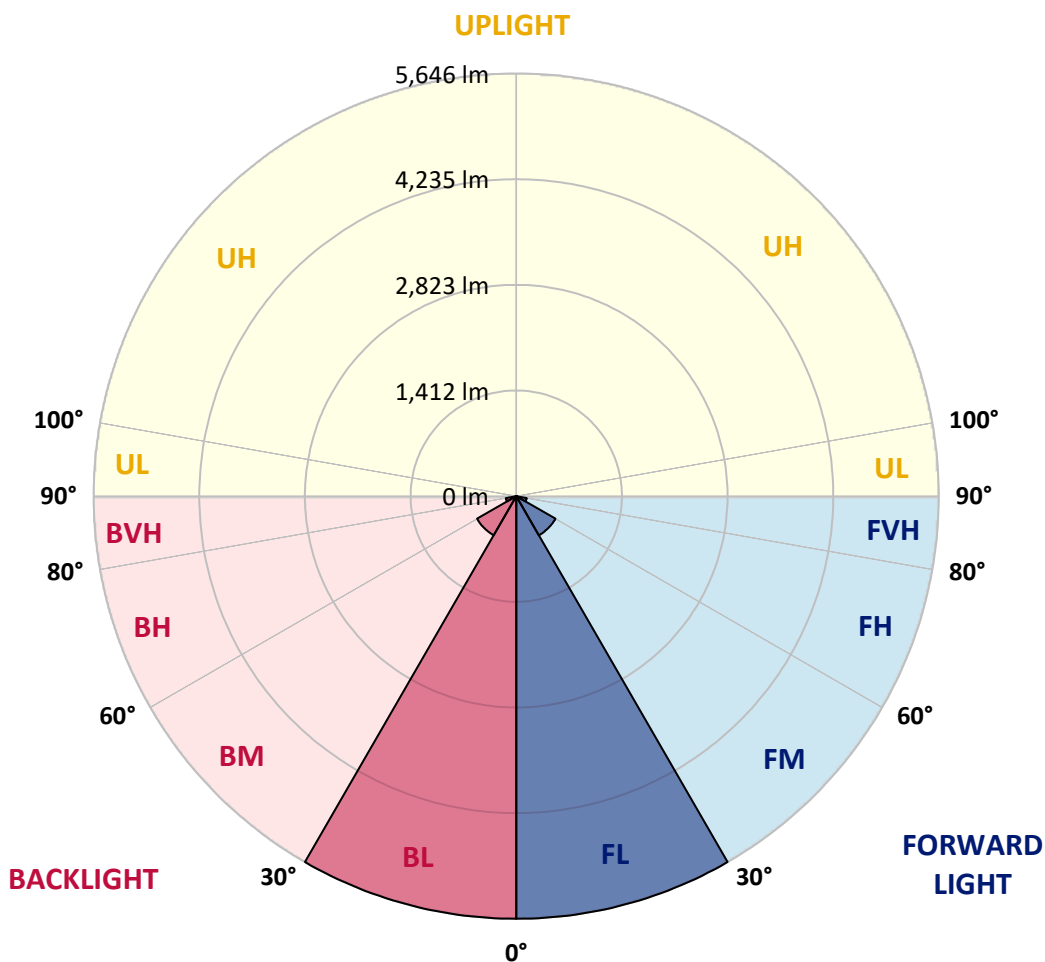


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5646.4	44.1			
FM (30°-60°)	604.1	4.7			
FH (60°-80°)	140.7	1.1			G0/660
FVH (80°-90°)	3.9	0.0			G0/10
BL (0°-30°)	5646.4	44.1	B5		
BM (30°-60°)	604.1	4.7	B1/1000		
BH (60°-80°)	140.7	1.1	B1/500		G0/660
BVH (80°-90°)	3.9	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°	381252.3	381252.3	381252.3	381252.3	381252.3	381252.3	381252.3	381252.3	381252.3	381252.3
1°	370656.2	371300.8	371417.1	370649.6	368692.5	369154.4	369094.6	369197.6	369004.9	367782.1
2°	350587.2	351540.8	350537.3	348384.2	343925.2	342861.9	339310.0	335346.0	331126.2	326896.4
3°	309621.7	311628.6	310196.5	312495.8	303451.5	302537.7	295068.3	285219.9	275238.5	267151.1
4°	240061.2	243769.3	244261.0	251850.1	244420.5	246743.1	238210.4	224527.6	209595.4	198172.0
5°	153019.9	158190.0	161107.4	168224.6	171646.9	180558.4	176401.7	162669.0	145414.3	132273.0
6°	77315.7	80130.0	87968.3	95793.2	104531.9	116357.3	117958.9	105904.2	92171.5	79558.5
7°	36041.2	37204.2	42733.1	44401.1	54392.5	67221.4	69015.6	62406.8	55163.3	45388.0
8°	18623.7	19075.6	21095.8	22335.1	28163.1	35542.8	36802.1	32642.1	29678.3	24760.7
9°	11469.9	11669.3	12426.9	12706.0	14885.7	18168.5	18613.7	16872.6	16068.5	14370.6
10°	7954.5	8060.9	8416.4	8489.5	9217.1	10297.0	10336.9	9765.4	9778.7	9353.4
12.5°	4239.8	4273.0	4372.7	4382.6	4522.2	4635.2	4608.6	4611.9	4668.4	4611.9
15°	2711.3	2727.9	2787.7	2801.0	2874.1	2914.0	2894.1	2890.7	2910.7	2874.1
17.5°	1933.8	1943.8	1987.0	2023.5	2070.0	2083.3	2076.7	2070.0	2070.0	2036.8
20°	1508.5	1521.8	1551.7	1588.2	1611.5	1634.8	1638.1	1634.8	1624.8	1608.2
22.5°	1282.6	1289.2	1299.2	1315.8	1332.4	1342.4	1349.0	1352.3	1349.0	1342.4
25°	1116.4	1123.1	1143.0	1153.0	1153.0	1156.3	1169.6	1176.2	1179.6	1166.3
27.5°	824.0	840.6	870.5	887.2	887.2	893.8	903.8	917.1	930.4	907.1
30°	638.0	651.2	684.5	684.5	681.2	687.8	697.8	717.7	737.6	711.1
32.5°	574.8	574.8	581.5	584.8	584.8	594.8	601.4	618.0	634.6	628.0
35°	601.4	584.8	564.9	564.9	571.5	591.4	594.8	611.4	628.0	651.2
37.5°	873.9	824.0	750.9	737.6	737.6	760.9	750.9	760.9	790.8	877.2
40°	794.1	754.3	711.1	651.2	651.2	684.5	661.2	674.5	744.3	797.4
42.5°	707.7	707.7	661.2	604.7	604.7	621.3	614.7	621.3	701.1	744.3
45°	654.6	654.6	641.3	551.6	564.9	574.8	574.8	574.8	681.2	694.4
47.5°	624.7	624.7	591.4	508.4	525.0	528.3	535.0	528.3	611.4	657.9
50°	558.2	564.9	508.4	448.6	468.5	468.5	478.5	465.2	528.3	604.7
52.5°	481.8	488.4	402.0	355.5	378.8	375.5	388.8	368.8	418.7	525.0
55°	428.6	425.3	332.3	289.1	315.7	312.3	319.0	295.7	338.9	451.9
57.5°	372.1	378.8	272.5	235.9	265.8	259.2	269.1	242.6	279.1	402.0
60°	328.9	338.9	232.6	199.4	229.3	222.6	232.6	202.7	239.2	362.2
62.5°	315.7	315.7	206.0	169.5	199.4	192.7	199.4	169.5	212.7	332.3
65°	375.5	355.5	186.1	139.6	169.5	162.8	169.5	139.6	186.1	319.0
67.5°	498.4	475.1	176.1	109.6	136.2	126.3	136.2	113.0	162.8	299.0
70°	259.2	275.8	176.1	86.4	103.0	103.0	99.7	86.4	136.2	219.3
72.5°	149.5	152.8	136.2	66.5	79.7	86.4	76.4	66.5	99.7	162.8
75°	83.1	93.0	86.4	49.8	59.8	66.5	56.5	49.8	69.8	116.3
77.5°	49.8	56.5	49.8	33.2	39.9	36.5	39.9	33.2	46.5	76.4
80°	26.6	26.6	26.6	19.9	19.9	23.3	23.3	19.9	26.6	39.9
82.5°	10.0	10.0	10.0	6.6	10.0	10.0	10.0	13.3	13.3	16.6
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
381252.3
368988.2
329331.9
270217.9
200820.2
133957.6
80502.2
46570.8
25428.6
14739.5
9549.4
4675.0
2900.7
2046.8
1611.5
1345.7
1166.3
903.8
704.4
628.0
664.5
920.4
847.3
747.6
691.1
647.9
598.1
511.7
445.2
392.1
352.2
328.9
319.0
295.7
216.0
159.5
103.0
56.5
33.2
16.6
3.3
3.3
0.0

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