

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: P524160

Luminaire Tested: **IFLD-S-SA6B-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524160
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-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

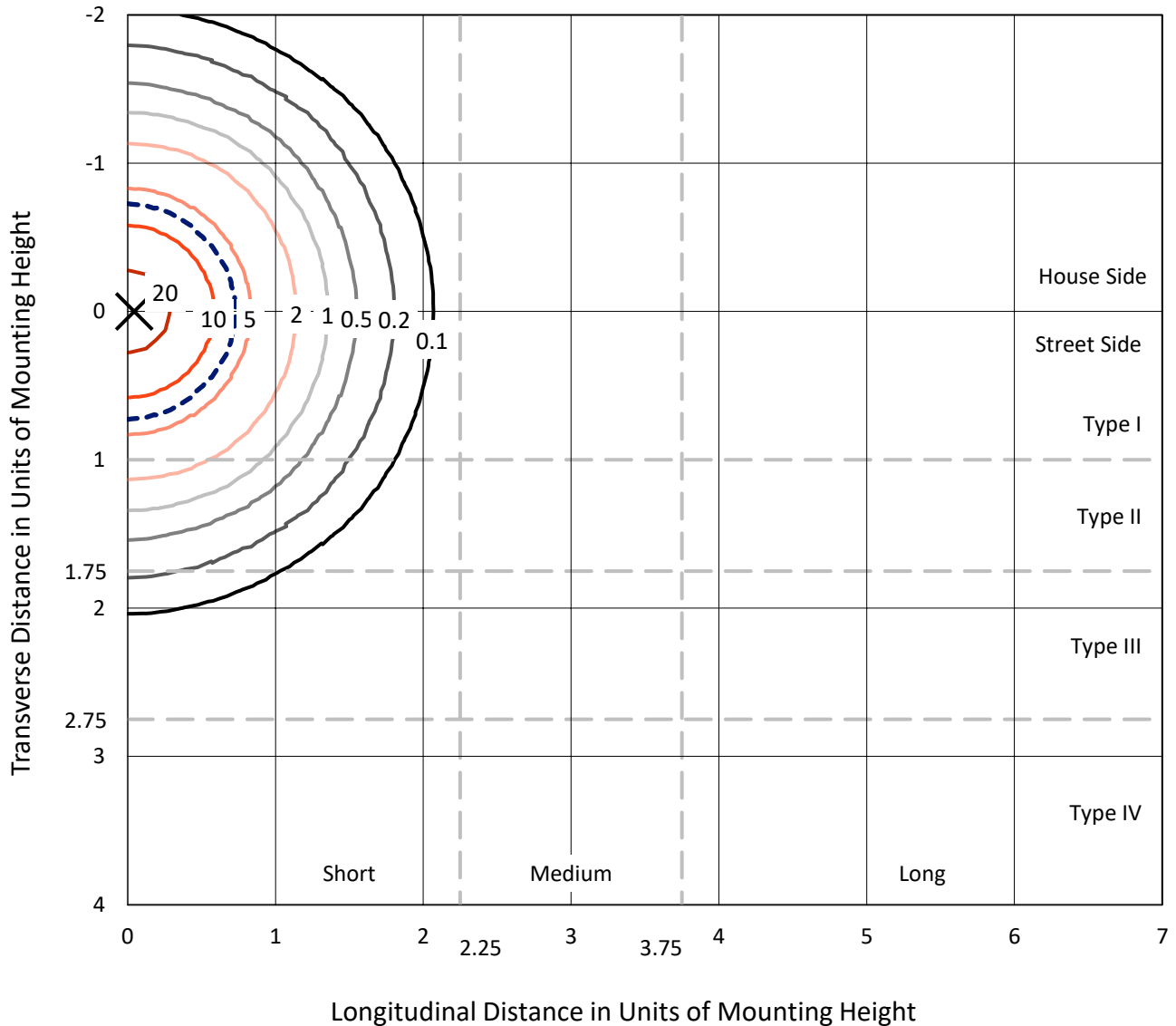
Lumens per Lamp: N/A
Luminaire Lumens: 22996.7 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

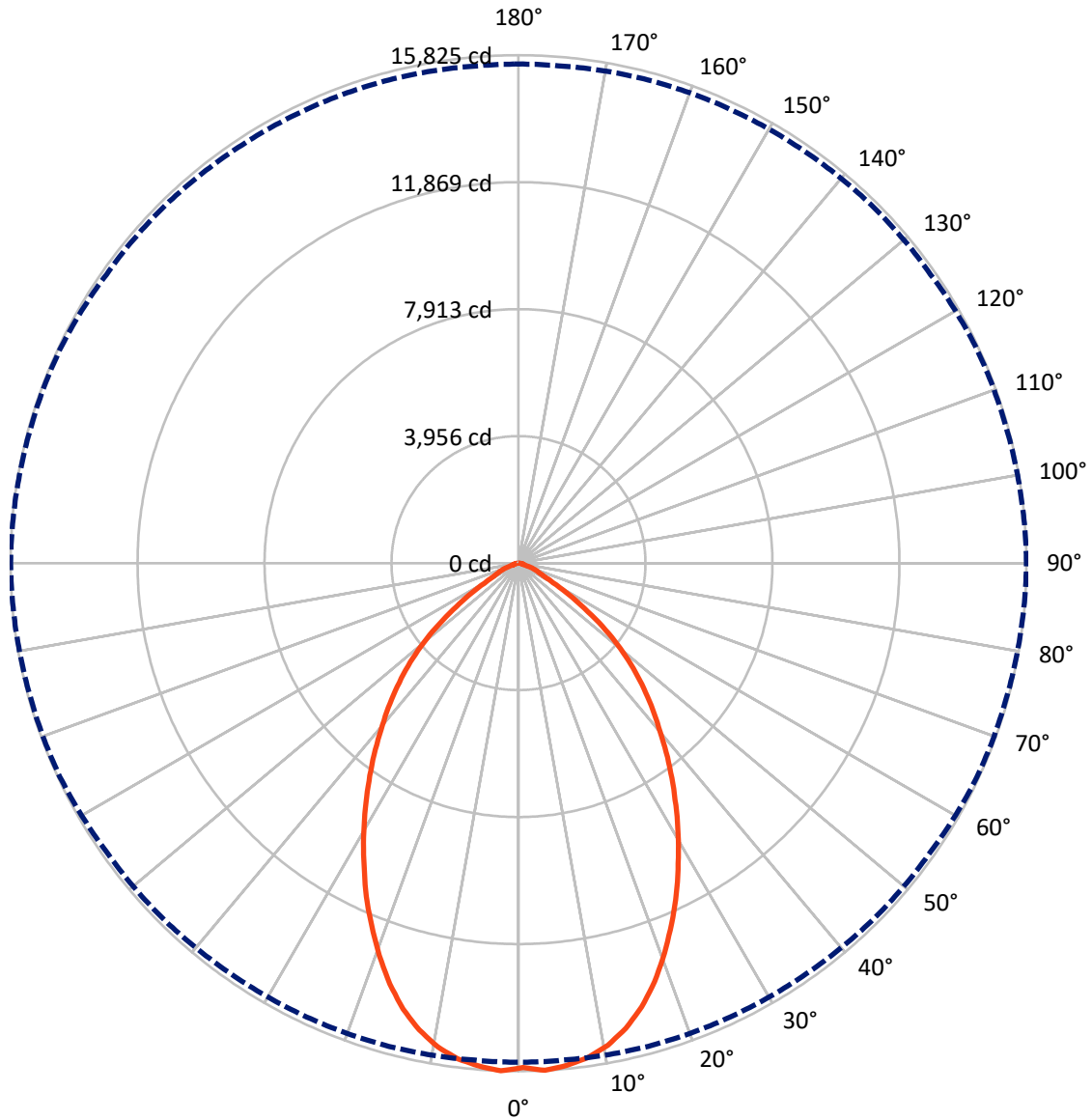
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11498.3	0.0	11498.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11498.3	0.0	11498.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	22996.7	0.0	22996.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1475.6	6.4
10°-20°	3965.1	17.2
20°-30°	5130.0	22.3
30°-40°	5059.4	22.0
40°-50°	4093.3	17.8
50°-60°	2228.7	9.7
60°-70°	706.1	3.1
70°-80°	273.2	1.2
80°-90°	65.3	0.3
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°	22996.7	100.0
0°-180°	22996.7	100.0

Coefficient of Utilization



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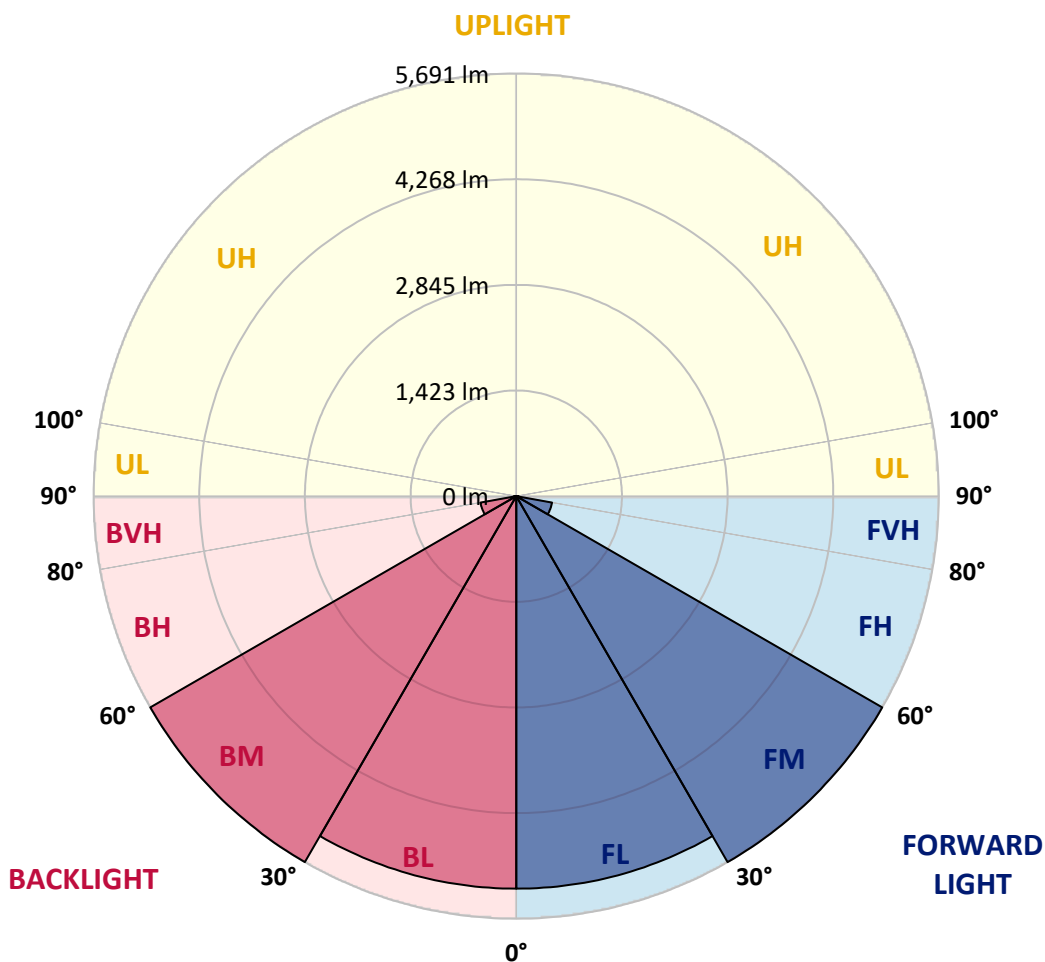
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5285.3	23.0			
FM	(30°-60°)	5690.7	24.7			
FH	(60°-80°)	489.7	2.1			G0/660
FVH	(80°-90°)	32.7	0.1			G1/100
BL	(0°-30°)	5285.3	23.0	B5		
BM	(30°-60°)	5690.7	24.7	B4/8500		
BH	(60°-80°)	489.7	2.1	B1/500		G0/660
BVH	(80°-90°)	32.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15718.8	15718.8	15718.8	15718.8	15718.8	15718.8	15718.8	15718.8	15718.8	15718.8	15718.8
2.5°	15549.4	15546.1	15585.9	15602.5	15622.5	15662.3	15675.6	15762.0	15772.0	15805.2	15825.1
5°	15522.8	15509.5	15549.4	15556.0	15579.3	15585.9	15605.9	15665.7	15659.0	15708.9	15718.8
7.5°	15379.9	15363.3	15396.5	15403.2	15436.4	15426.4	15459.7	15502.9	15502.9	15539.4	15556.0
10°	15061.0	15057.6	15090.9	15094.2	15140.7	15130.7	15183.9	15193.9	15220.4	15247.0	15276.9
12.5°	14678.9	14635.7	14678.9	14662.3	14725.4	14688.8	14761.9	14785.2	14798.5	14845.0	14868.3
15°	14187.1	14134.0	14163.9	14147.3	14187.1	14140.6	14217.0	14263.6	14280.2	14326.7	14349.9
17.5°	13529.3	13486.1	13492.7	13469.5	13496.1	13459.5	13532.6	13605.7	13629.0	13678.8	13712.0
20°	12702.0	12702.0	12705.3	12685.4	12708.6	12672.1	12718.6	12831.6	12854.8	12921.3	12977.7
22.5°	11894.6	11894.6	11904.6	11878.0	11884.6	11868.0	11917.9	12027.5	12064.1	12133.8	12203.6
25°	11120.5	11107.2	11113.8	11090.6	11064.0	11070.6	11130.4	11200.2	11279.9	11369.7	11422.8
27.5°	10382.9	10399.5	10359.6	10343.0	10323.1	10286.5	10356.3	10442.7	10499.2	10572.2	10598.8
30°	9595.4	9628.7	9598.7	9585.5	9535.6	9489.1	9562.2	9648.6	9705.1	9774.8	9804.7
32.5°	8894.4	8884.4	8857.8	8827.9	8778.1	8741.5	8771.4	8871.1	8914.3	8987.4	8997.4
35°	8143.5	8136.8	8120.2	8060.4	8043.8	8000.6	8027.2	8113.6	8146.8	8190.0	8223.2
37.5°	7409.2	7386.0	7379.3	7356.1	7326.1	7316.2	7316.2	7362.7	7395.9	7439.1	7472.3
40°	6681.6	6688.2	6668.3	6648.4	6638.4	6625.1	6628.4	6655.0	6681.6	6701.5	6721.5
42.5°	6023.7	5987.2	5973.9	5953.9	5963.9	5980.5	5944.0	5983.9	6017.1	6017.1	6060.3
45°	5269.5	5286.1	5292.8	5326.0	5326.0	5309.4	5296.1	5316.0	5349.3	5345.9	5389.1
47.5°	4611.7	4591.7	4608.3	4658.2	4701.4	4708.0	4668.1	4678.1	4688.1	4671.5	4711.3
50°	3890.7	3897.3	3894.0	3970.4	4056.8	4026.9	3997.0	4007.0	4003.6	4003.6	4010.3
52.5°	3106.6	3123.2	3103.2	3212.9	3305.9	3282.6	3262.7	3262.7	3279.3	3276.0	3272.7
55°	2392.2	2385.6	2342.4	2395.5	2478.6	2481.9	2452.0	2465.3	2481.9	2498.5	2495.2
57.5°	1780.9	1760.9	1701.1	1704.5	1797.5	1820.7	1794.2	1790.8	1810.8	1817.4	1854.0
60°	1199.4	1196.1	1142.9	1139.6	1176.2	1239.3	1209.4	1209.4	1216.0	1226.0	1236.0
62.5°	820.7	827.3	807.4	804.0	810.7	863.9	860.5	857.2	853.9	867.2	863.9
65°	644.6	647.9	641.2	641.2	644.6	667.8	691.1	694.4	697.7	701.1	697.7
67.5°	518.3	521.6	515.0	521.6	521.6	525.0	558.2	571.5	574.8	574.8	571.5
70°	398.7	412.0	418.6	418.6	418.6	418.6	441.9	458.5	455.2	435.2	415.3
72.5°	199.4	242.5	335.6	338.9	335.6	332.3	345.5	362.2	358.8	252.5	189.4
75°	132.9	142.9	262.5	275.8	272.4	259.2	272.4	292.4	285.7	162.8	156.2
77.5°	76.4	83.1	176.1	202.7	219.3	189.4	216.0	235.9	225.9	132.9	129.6
80°	59.8	56.5	126.3	156.2	149.5	119.6	176.1	189.4	172.8	99.7	89.7
82.5°	36.5	36.5	83.1	119.6	109.6	69.8	122.9	146.2	129.6	73.1	66.5
85°	19.9	23.3	39.9	59.8	63.1	46.5	66.5	79.7	79.7	46.5	46.5
87.5°	10.0	10.0	13.3	13.3	16.6	19.9	19.9	23.3	16.6	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)