

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: P525336

Luminaire Tested: **IFLD-M-SA4C-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525336
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

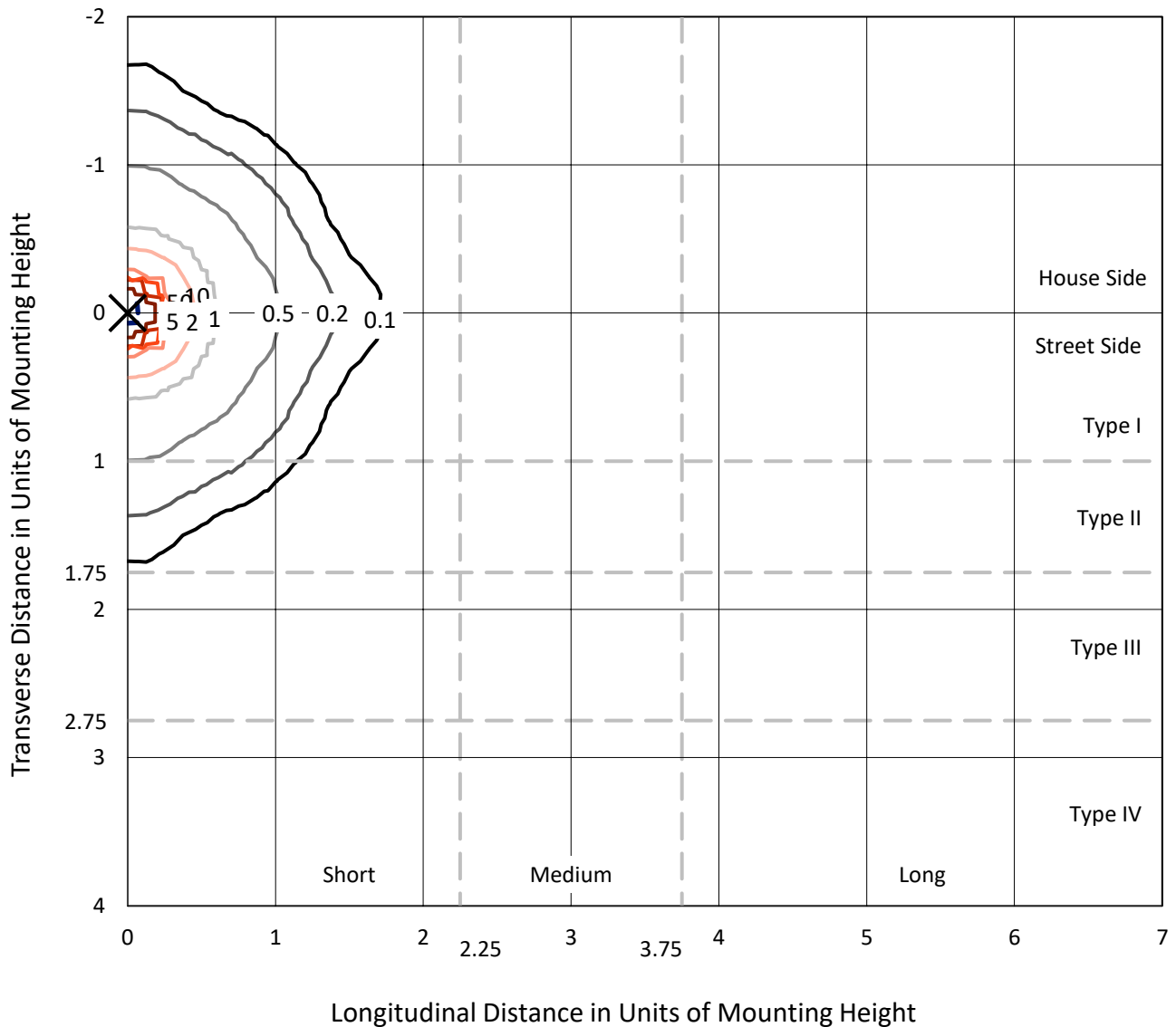
Lumens per Lamp: N/A
Luminaire Lumens: 10894.2 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 218.1
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

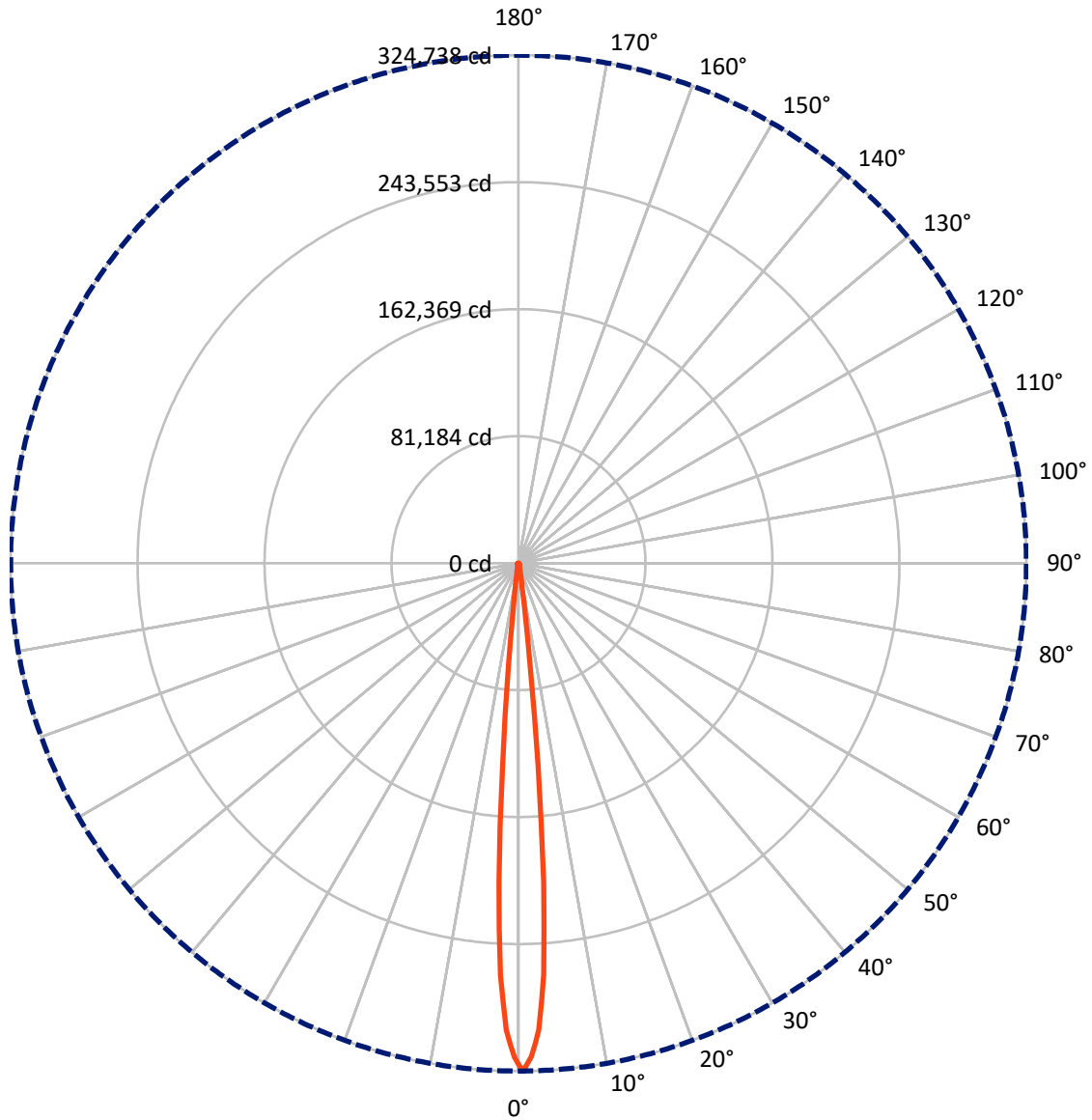
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 811.8 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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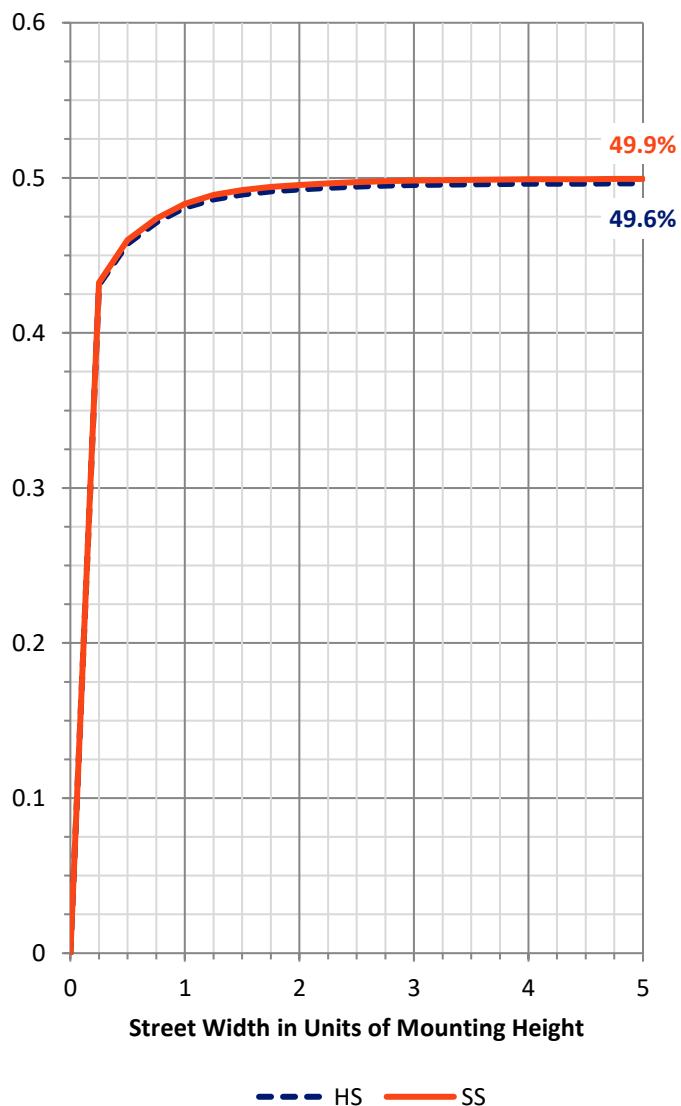
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5447.1	0.0	5447.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5447.1	0.0	5447.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10894.2	0.0	10894.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8366.7	76.8
10°-20°	816.1	7.5
20°-30°	436.0	4.0
30°-40°	359.6	3.3
40°-50°	400.4	3.7
50°-60°	269.2	2.5
60°-70°	171.8	1.6
70°-80°	67.8	0.6
80°-90°	6.6	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°	10894.2	100.0
0°-180°	10894.2	100.0

Coefficient of Utilization

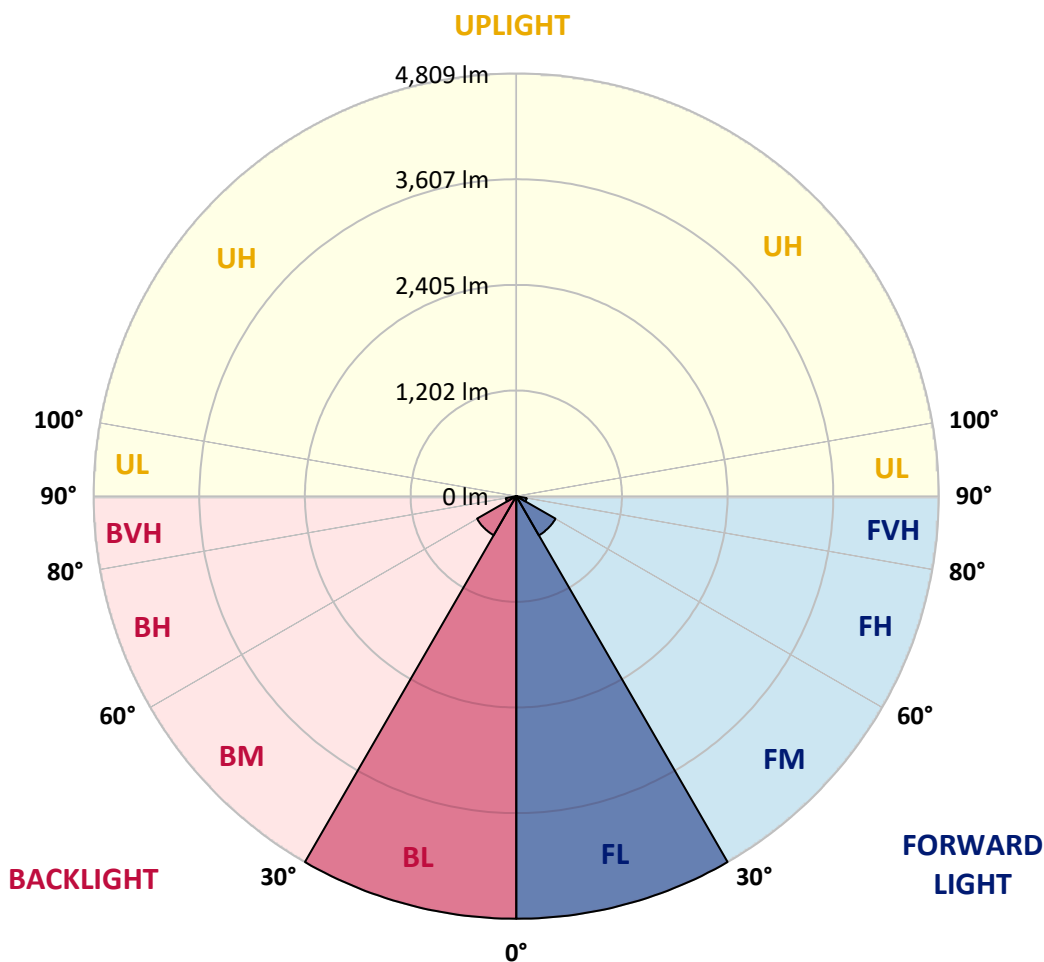


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4809.4	44.1			
FM (30°-60°)	514.6	4.7			
FH (60°-80°)	119.8	1.1			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	4809.4	44.1	B4/5000		
BM (30°-60°)	514.6	4.7	B1/1000		
BH (60°-80°)	119.8	1.1	B1/500		G0/660
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	324737.9	324737.9	324737.9	324737.9	324737.9	324737.9	324737.9	324737.9	324737.9	324737.9
1°	315712.5	316261.5	316360.6	315706.8	314039.9	314433.3	314382.3	314470.0	314305.9	313264.4
2°	298618.3	299430.6	298575.9	296741.9	292943.9	292038.2	289012.8	285636.4	282042.1	278439.3
3°	263725.3	265434.8	264215.0	266173.4	258469.7	257691.4	251329.2	242940.7	234438.9	227550.3
4°	204476.0	207634.5	208053.3	214517.4	208189.2	210167.4	202899.6	191245.0	178526.3	168796.2
5°	130337.2	134740.9	137225.8	143288.0	146203.1	153793.6	150253.0	138556.0	123859.0	112665.7
6°	65854.9	68252.1	74928.4	81593.4	89036.7	99109.3	100473.4	90205.6	78508.6	67765.3
7°	30698.7	31689.3	36398.6	37819.4	46329.7	57256.9	58785.2	53156.0	46986.3	38659.9
8°	15863.0	16247.9	17968.7	19024.3	23988.4	30274.2	31346.8	27803.5	25279.0	21090.3
9°	9769.7	9939.5	10584.8	10822.5	12679.1	15475.3	15854.5	14371.5	13686.6	12240.4
10°	6775.4	6866.0	7168.8	7231.1	7850.9	8770.7	8804.6	8317.8	8329.2	7966.9
12.5°	3611.3	3639.6	3724.5	3733.0	3851.8	3948.1	3925.4	3928.3	3976.4	3928.3
15°	2309.4	2323.6	2374.5	2385.8	2448.1	2482.0	2465.1	2462.2	2479.2	2448.1
17.5°	1647.2	1655.6	1692.4	1723.6	1763.2	1774.5	1768.8	1763.2	1763.2	1734.9
20°	1284.9	1296.2	1321.7	1352.8	1372.6	1392.4	1395.3	1392.4	1383.9	1369.8
22.5°	1092.4	1098.1	1106.6	1120.7	1134.9	1143.4	1149.0	1151.9	1149.0	1143.4
25°	950.9	956.6	973.6	982.1	982.1	984.9	996.2	1001.9	1004.7	993.4
27.5°	701.9	716.0	741.5	755.7	755.7	761.3	769.8	781.1	792.4	772.6
30°	543.4	554.7	583.0	583.0	580.2	585.8	594.3	611.3	628.3	605.7
32.5°	489.6	489.6	495.3	498.1	498.1	506.6	512.3	526.4	540.6	534.9
35°	512.3	498.1	481.1	481.1	486.8	503.8	506.6	520.7	534.9	554.7
37.5°	744.3	701.9	639.6	628.3	628.3	648.1	639.6	648.1	673.6	747.2
40°	676.4	642.4	605.7	554.7	554.7	583.0	563.2	574.5	634.0	679.2
42.5°	602.8	602.8	563.2	515.1	515.1	529.2	523.6	529.2	597.2	634.0
45°	557.5	557.5	546.2	469.8	481.1	489.6	489.6	489.6	580.2	591.5
47.5°	532.1	532.1	503.8	433.0	447.2	450.0	455.7	450.0	520.7	560.4
50°	475.5	481.1	433.0	382.1	399.1	399.1	407.5	396.2	450.0	515.1
52.5°	410.4	416.0	342.4	302.8	322.6	319.8	331.1	314.1	356.6	447.2
55°	365.1	362.3	283.0	246.2	268.9	266.0	271.7	251.9	288.7	384.9
57.5°	317.0	322.6	232.1	200.9	226.4	220.8	229.2	206.6	237.7	342.4
60°	280.2	288.7	198.1	169.8	195.3	189.6	198.1	172.6	203.8	308.5
62.5°	268.9	268.9	175.5	144.3	169.8	164.1	169.8	144.3	181.1	283.0
65°	319.8	302.8	158.5	118.9	144.3	138.7	144.3	118.9	158.5	271.7
67.5°	424.5	404.7	150.0	93.4	116.0	107.5	116.0	96.2	138.7	254.7
70°	220.8	234.9	150.0	73.6	87.7	87.7	84.9	73.6	116.0	186.8
72.5°	127.4	130.2	116.0	56.6	67.9	73.6	65.1	56.6	84.9	138.7
75°	70.8	79.2	73.6	42.5	50.9	56.6	48.1	42.5	59.4	99.1
77.5°	42.5	48.1	42.5	28.3	34.0	31.1	34.0	28.3	39.6	65.1
80°	22.6	22.6	22.6	17.0	17.0	19.8	19.8	17.0	22.6	34.0
82.5°	8.5	8.5	8.5	5.7	8.5	8.5	8.5	11.3	11.3	14.2
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
324737.9
314291.7
280513.8
230162.5
171051.8
114100.6
68569.0
39667.5
21659.2
12554.6
8133.9
3982.0
2470.7
1743.4
1372.6
1146.2
993.4
769.8
600.0
534.9
566.0
784.0
721.7
636.8
588.7
551.9
509.4
435.8
379.2
334.0
300.0
280.2
271.7
251.9
184.0
135.8
87.7
48.1
28.3
14.2
2.8
2.8
0.0

OF REPORT)