

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: P525376

Luminaire Tested: **IFLD-M-SA4D-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525376
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

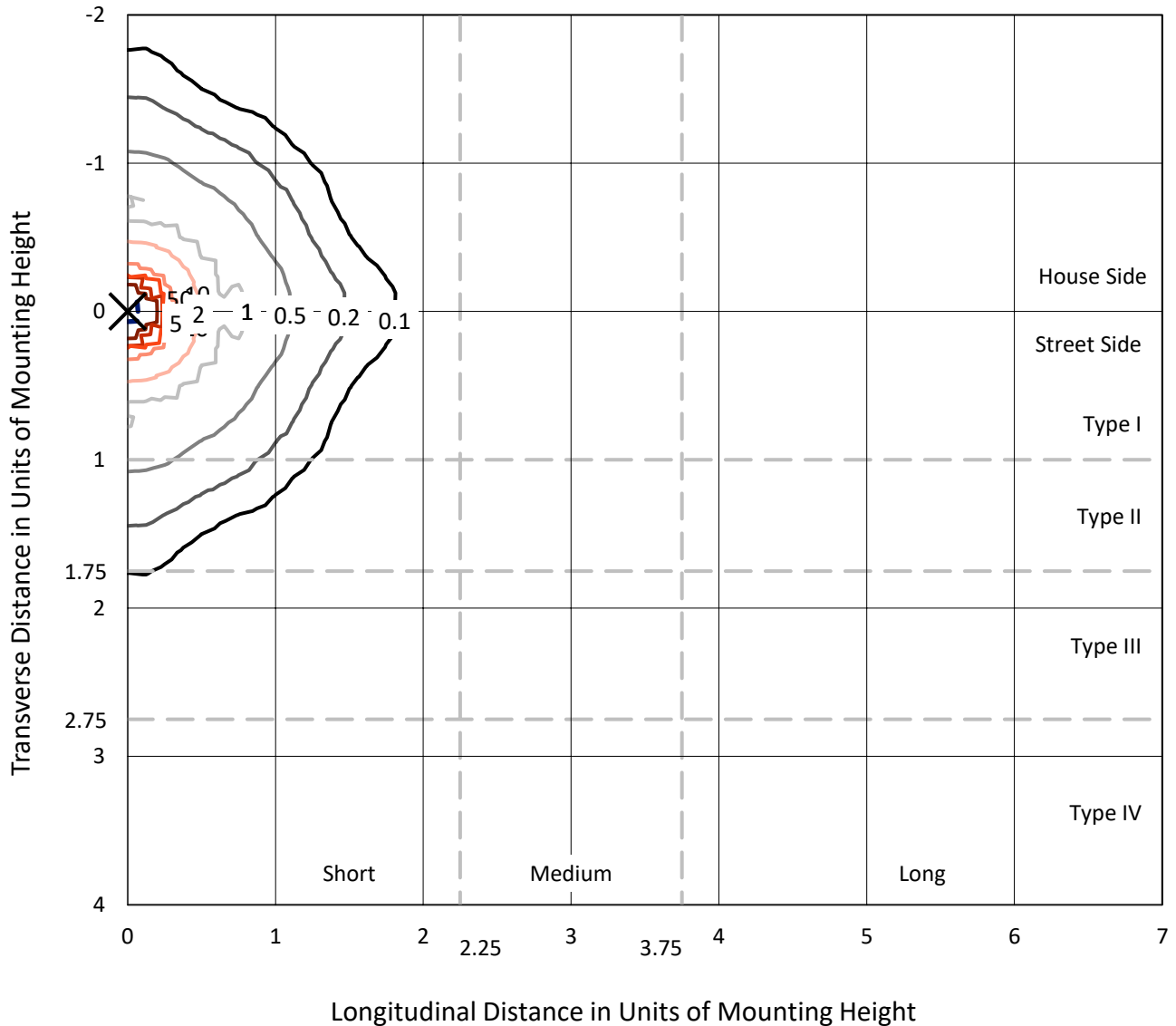
Lumens per Lamp: N/A
Luminaire Lumens: 13045 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 249.7
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

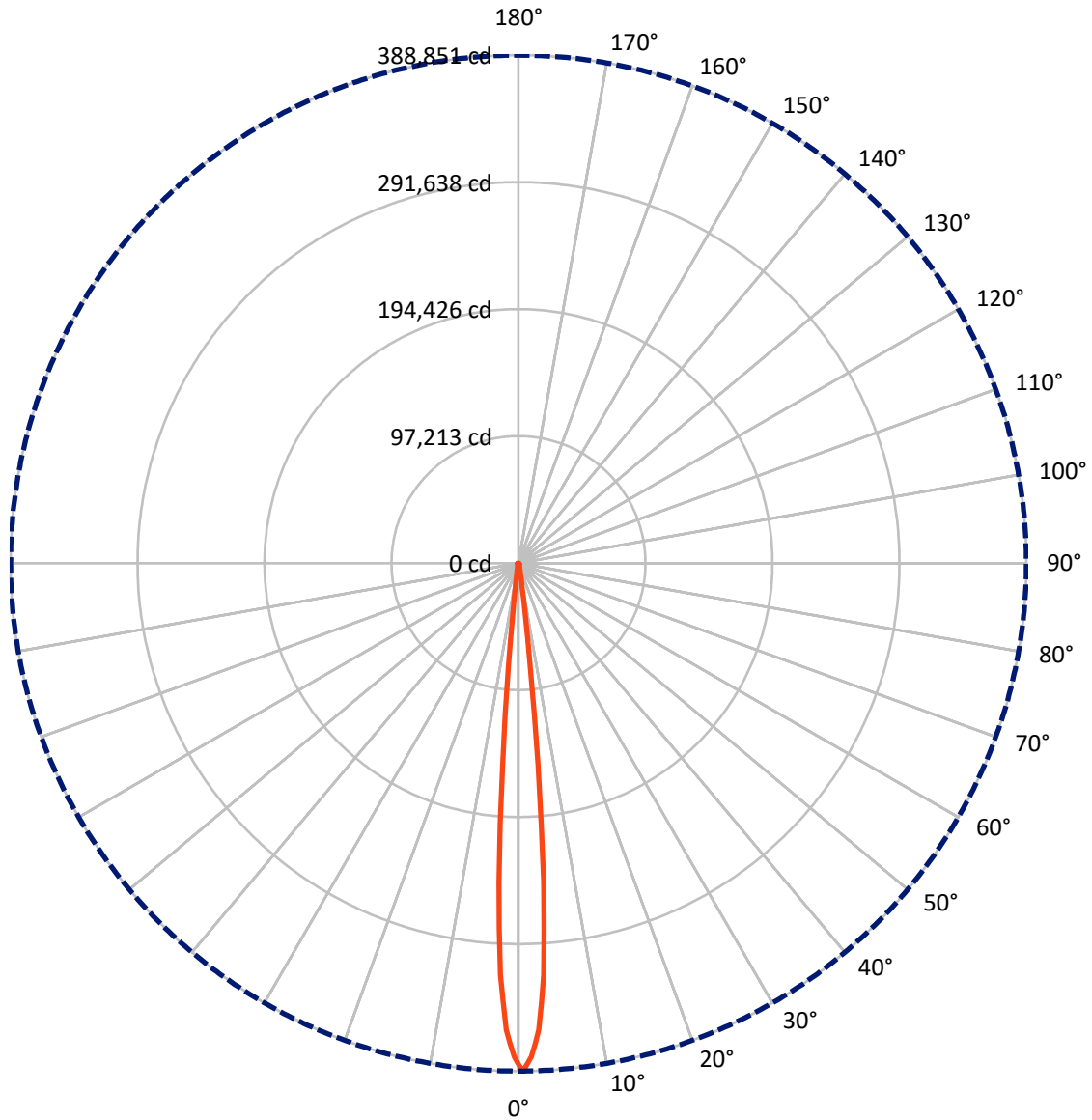
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 972.1 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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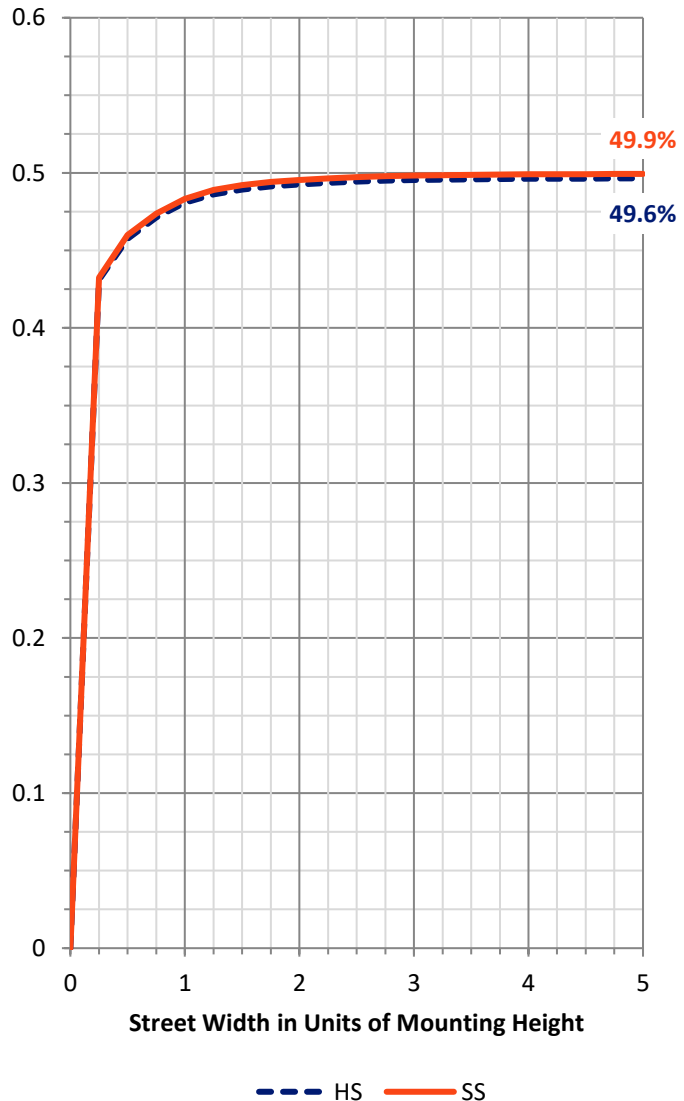
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6522.5	0.0	6522.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6522.5	0.0	6522.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13045.0	0.0	13045.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10018.6	76.8
10°-20°	977.2	7.5
20°-30°	522.0	4.0
30°-40°	430.6	3.3
40°-50°	479.4	3.7
50°-60°	322.4	2.5
60°-70°	205.7	1.6
70°-80°	81.2	0.6
80°-90°	8.0	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°	13045.0	100.0
0°-180°	13045.0	100.0

Coefficient of Utilization

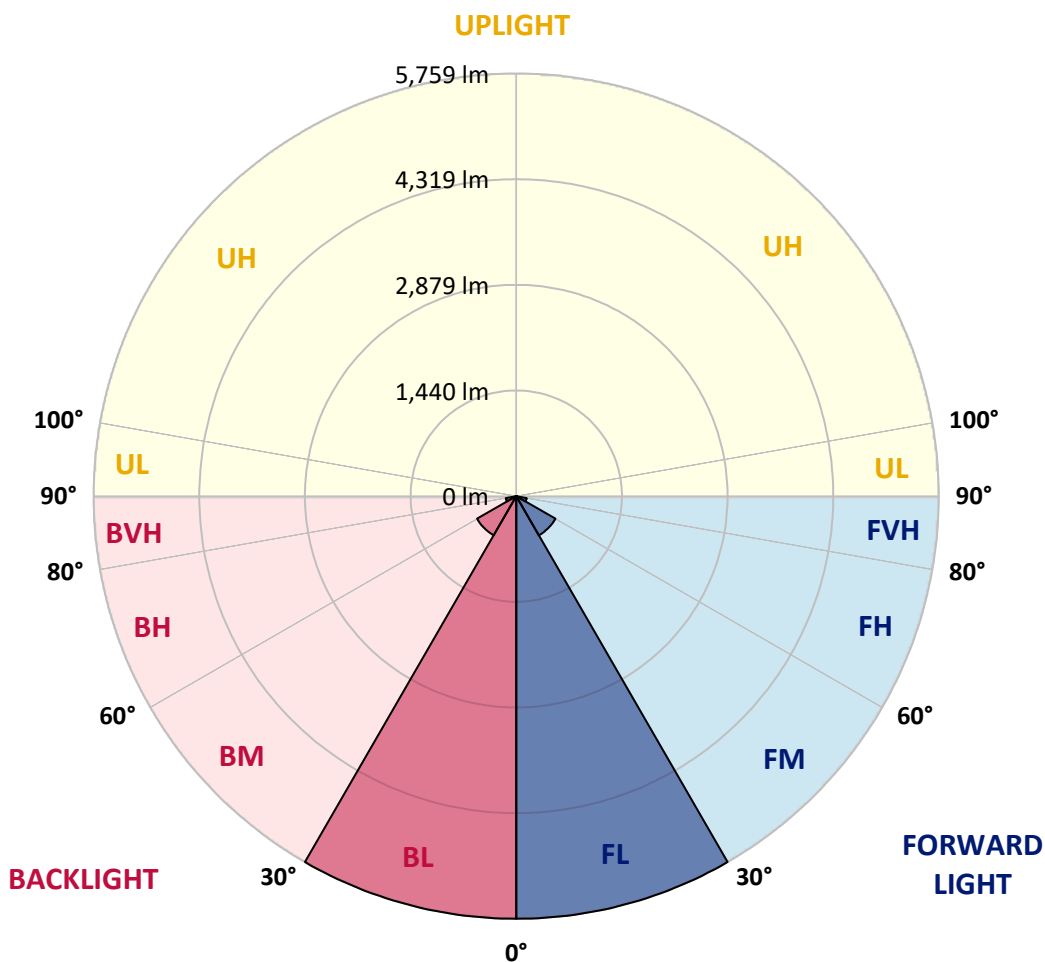


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5758.9	44.1			
FM (30°-60°)	616.2	4.7			
FH (60°-80°)	143.5	1.1			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	5758.9	44.1	B5		
BM (30°-60°)	616.2	4.7	B1/1000		
BH (60°-80°)	143.5	1.1	B1/500		G0/660
BVH (80°-90°)	4.0	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°	388851.2	388851.2	388851.2	388851.2	388851.2	388851.2	388851.2	388851.2	388851.2	388851.2
1°	378043.9	378701.4	378820.0	378037.1	376041.1	376512.1	376451.1	376556.2	376359.6	375112.5
2°	357574.8	358547.5	357524.0	355328.0	350780.1	349695.6	346072.9	342029.9	337726.0	333411.9
3°	315792.9	317839.8	316379.2	318724.3	309499.7	308567.7	300949.4	290904.7	280724.4	272475.7
4°	244845.9	248627.9	249129.5	256869.8	249292.2	251661.0	242958.3	229002.7	213772.9	202121.8
5°	156069.8	161343.0	164318.4	171577.5	175068.1	184157.2	179917.6	165911.2	148312.6	134909.4
6°	78856.7	81727.1	89721.6	97702.5	106615.3	118676.5	120310.0	108015.0	94008.6	81144.2
7°	36759.6	37945.7	43584.9	45286.1	55476.6	68561.2	70391.2	63650.6	56262.8	46292.6
8°	18994.9	19455.8	21516.2	22780.3	28724.5	36251.2	37535.6	33292.7	30269.8	25254.2
9°	11698.5	11901.9	12674.6	12959.2	15182.3	18530.6	18984.7	17208.9	16388.8	14657.1
10°	8113.1	8221.5	8584.1	8658.7	9400.9	10502.3	10542.9	9960.0	9973.6	9539.8
12.5°	4324.3	4358.1	4459.8	4470.0	4612.3	4727.5	4700.4	4703.8	4761.4	4703.8
15°	2765.4	2782.3	2843.3	2856.9	2931.4	2972.1	2951.7	2948.4	2968.7	2931.4
17.5°	1972.3	1982.5	2026.6	2063.9	2111.3	2124.9	2118.1	2111.3	2111.3	2077.4
20°	1538.6	1552.1	1582.6	1619.9	1643.6	1667.3	1670.7	1667.3	1657.2	1640.2
22.5°	1308.1	1314.9	1325.1	1342.0	1359.0	1369.1	1375.9	1379.3	1375.9	1369.1
25°	1138.7	1145.5	1165.8	1176.0	1176.0	1179.3	1192.9	1199.7	1203.1	1189.5
27.5°	840.5	857.4	887.9	904.8	904.8	911.6	921.8	935.3	948.9	925.2
30°	650.7	664.2	698.1	698.1	694.7	701.5	711.7	732.0	752.3	725.2
32.5°	586.3	586.3	593.1	596.4	596.4	606.6	613.4	630.3	647.3	640.5
35°	613.4	596.4	576.1	576.1	582.9	603.2	606.6	623.6	640.5	664.2
37.5°	891.3	840.5	765.9	752.3	752.3	776.1	765.9	776.1	806.6	894.7
40°	810.0	769.3	725.2	664.2	664.2	698.1	674.4	688.0	759.1	813.3
42.5°	721.8	721.8	674.4	616.8	616.8	633.7	626.9	633.7	715.1	759.1
45°	667.6	667.6	654.1	562.6	576.1	586.3	586.3	586.3	694.7	708.3
47.5°	637.1	637.1	603.2	518.5	535.4	538.8	545.6	538.8	623.6	671.0
50°	569.3	576.1	518.5	457.5	477.8	477.8	488.0	474.4	538.8	616.8
52.5°	491.4	498.2	410.1	362.6	386.3	382.9	396.5	376.2	427.0	535.4
55°	437.2	433.8	338.9	294.8	321.9	318.6	325.3	301.6	345.7	460.9
57.5°	379.6	386.3	277.9	240.6	271.1	264.3	274.5	247.4	284.7	410.1
60°	335.5	345.7	237.2	203.3	233.8	227.1	237.2	206.7	244.0	369.4
62.5°	321.9	321.9	210.1	172.8	203.3	196.6	203.3	172.8	216.9	338.9
65°	382.9	362.6	189.8	142.3	172.8	166.1	172.8	142.3	189.8	325.3
67.5°	508.3	484.6	179.6	111.8	138.9	128.8	138.9	115.2	166.1	305.0
70°	264.3	281.3	179.6	88.1	105.1	105.1	101.7	88.1	138.9	223.7
72.5°	152.5	155.9	138.9	67.8	81.3	88.1	77.9	67.8	101.7	166.1
75°	84.7	94.9	88.1	50.8	61.0	67.8	57.6	50.8	71.2	118.6
77.5°	50.8	57.6	50.8	33.9	40.7	37.3	40.7	33.9	47.4	77.9
80°	27.1	27.1	27.1	20.3	20.3	23.7	23.7	20.3	27.1	40.7
82.5°	10.2	10.2	10.2	6.8	10.2	10.2	10.2	13.6	13.6	16.9
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
388851.2
376342.7
335895.9
275603.7
204822.8
136627.6
82106.7
47499.1
25935.4
15033.2
9739.7
4768.2
2958.5
2087.6
1643.6
1372.5
1189.5
921.8
718.5
640.5
677.8
938.7
864.2
762.5
704.9
660.8
610.0
521.9
454.1
399.9
359.2
335.5
325.3
301.6
220.3
162.7
105.1
57.6
33.9
16.9
3.4
3.4
0.0

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