

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: P636367

Luminaire Tested: **IFLD-S-SA3C-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636367
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14309.7 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

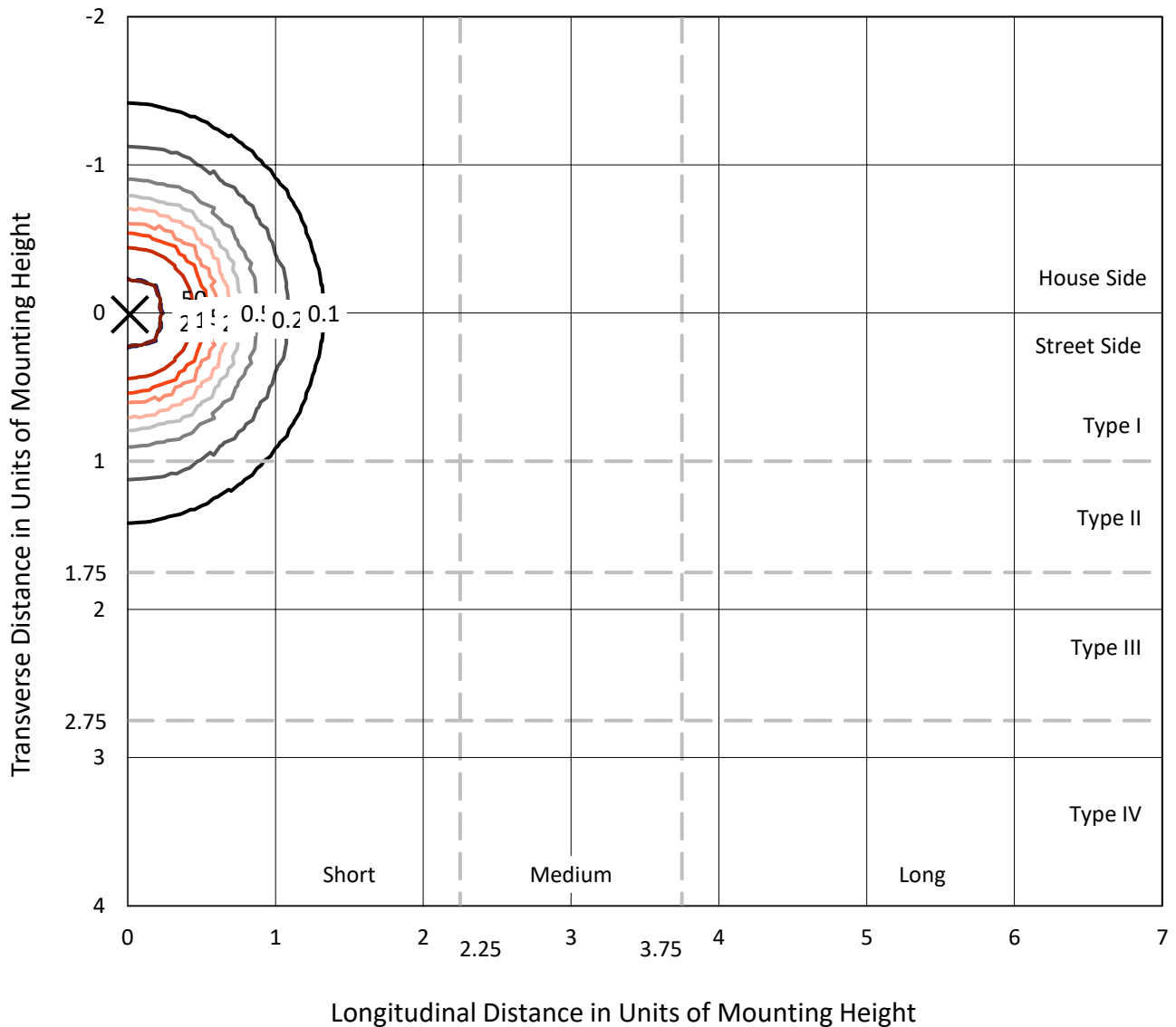
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

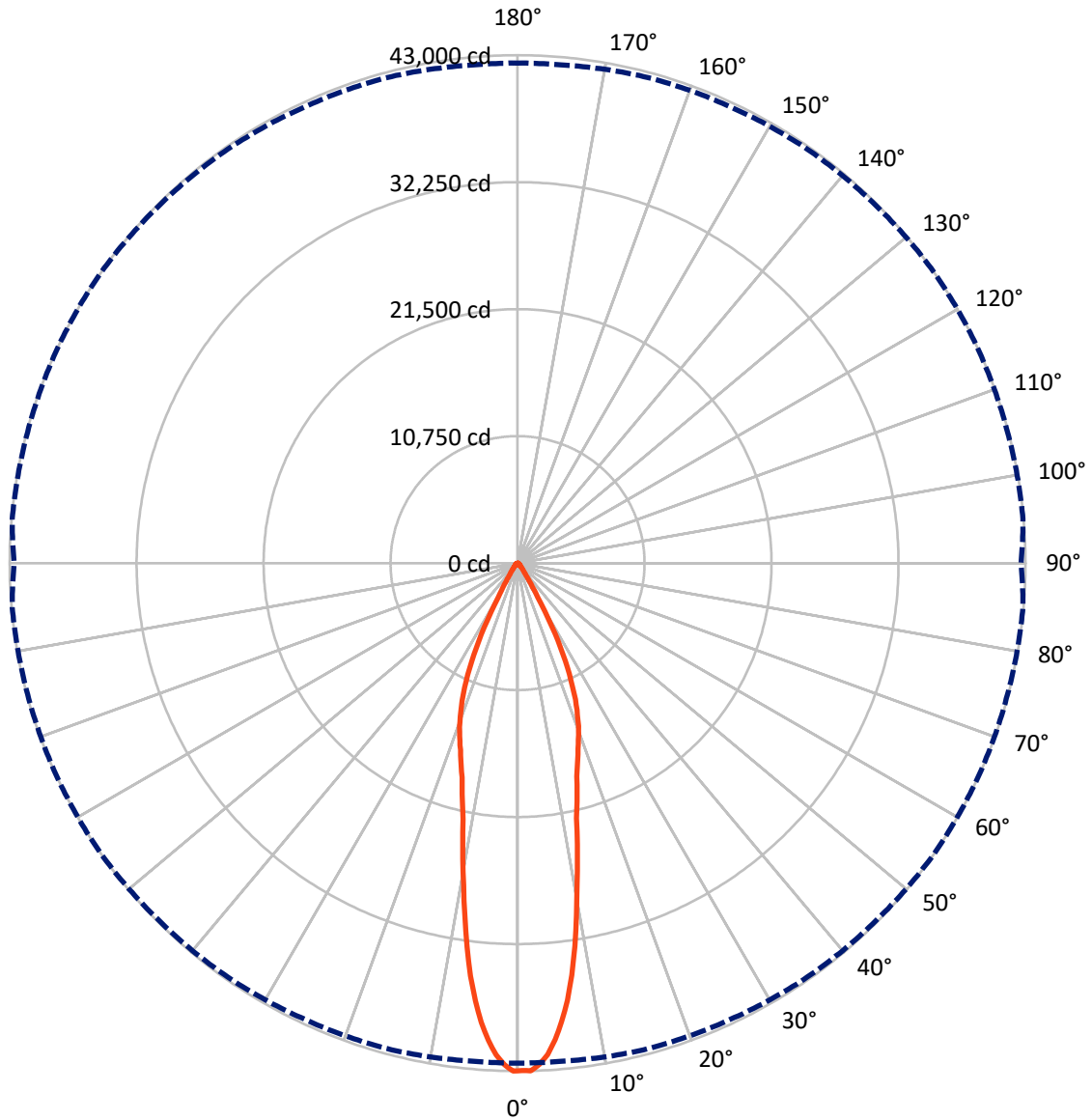
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 107.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7154.8	0.0	7154.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7154.8	0.0	7154.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14309.7	0.0	14309.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3267.9	22.8
10°-20°	5337.4	37.3
20°-30°	4170.8	29.1
30°-40°	909.1	6.4
40°-50°	269.2	1.9
50°-60°	168.3	1.2
60°-70°	117.7	0.8
70°-80°	50.5	0.4
80°-90°	18.7	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°	14309.7	100.0
0°-180°	14309.7	100.0

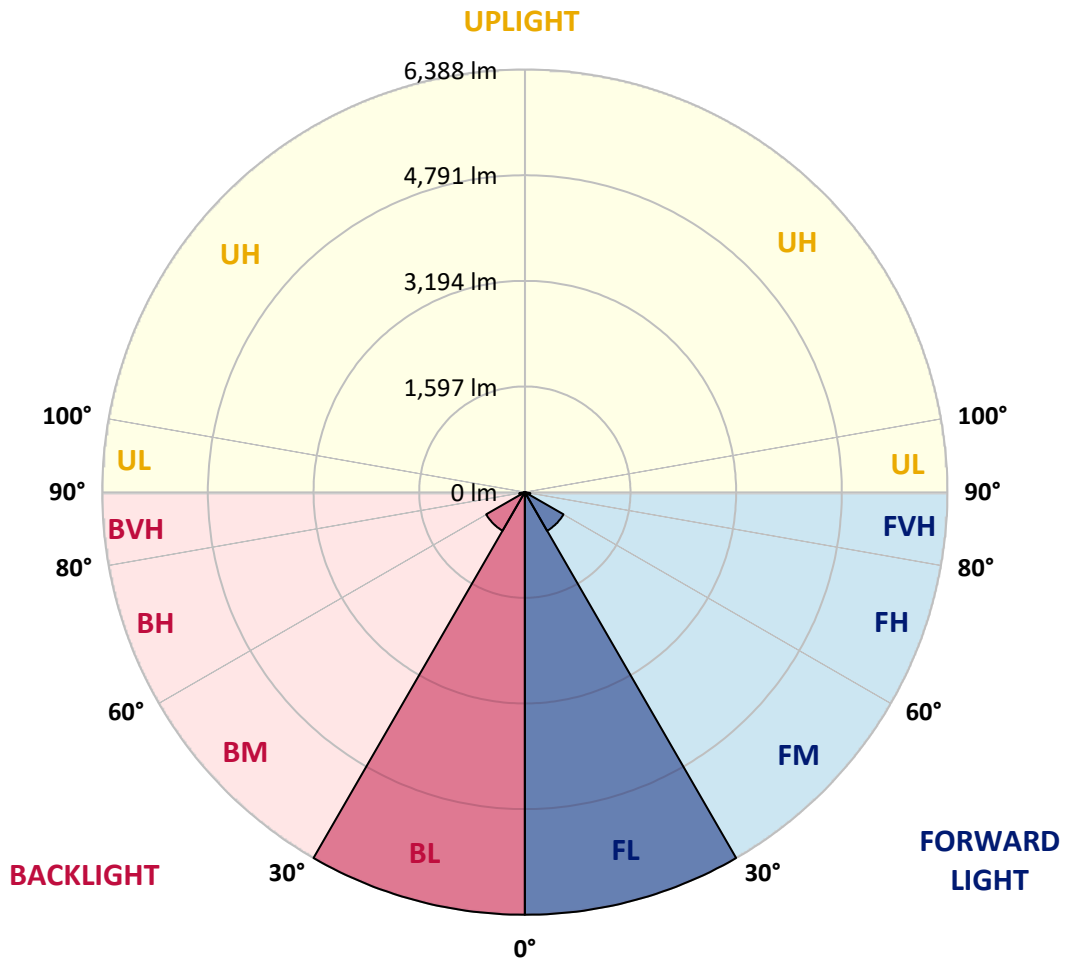


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6388.1	44.6			
FM (30°-60°)	673.3	4.7			
FH (60°-80°)	84.1	0.6			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	6388.1	44.6	B5		
BM (30°-60°)	673.3	4.7	B1/1000		
BH (60°-80°)	84.1	0.6	B0/110		G0/660
BVH (80°-90°)	9.3	0.1			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°	42950.6	42950.6	42950.6	42950.6	42950.6	42950.6	42950.6	42950.6	42950.6	42950.6
1°	42328.9	42334.0	42564.6	42616.4	42774.4	42854.7	42999.8	42984.3	42940.2	42945.4
2°	41549.1	41515.4	41730.4	41968.8	42157.9	42313.3	42486.9	42523.1	42481.7	42520.6
3°	40266.8	40217.6	40518.1	40816.0	41145.0	41411.8	41673.5	41683.8	41634.6	41632.0
4°	38580.4	38489.7	38847.2	39378.3	39792.8	40147.7	40474.1	40468.9	40401.5	40455.9
5°	36541.7	36427.7	36891.4	37590.8	38204.8	38632.2	38992.3	38906.8	38751.4	38759.1
6°	34039.2	34150.6	34718.0	35699.8	36425.1	36780.0	37223.0	37062.4	36792.9	36764.5
7°	31687.1	31938.3	32391.7	33575.5	34438.2	34811.2	35186.8	34863.0	34497.8	34438.2
8°	29210.5	29630.2	30257.1	31347.7	32267.3	32643.0	32785.4	32438.3	32047.1	32031.6
9°	27202.9	27490.4	28029.3	28990.3	29925.5	30176.8	30207.9	29904.8	29513.6	29539.5
10°	25376.6	25431.0	25897.3	26723.7	27472.3	27651.1	27643.3	27423.1	27101.9	27187.4
12.5°	21288.8	21436.4	21571.1	21835.4	22086.6	22203.2	22159.2	22068.5	21892.4	21900.1
15°	18514.3	18511.8	18527.3	18649.0	18724.2	18737.1	18737.1	18623.1	18548.0	18659.4
17.5°	16066.3	16201.0	16441.9	16540.4	16638.8	16602.5	16535.2	16483.4	16434.2	16530.0
20°	14162.3	14221.9	14224.5	14289.2	14786.6	14812.5	14727.0	14579.4	14455.0	14431.7
22.5°	12019.9	12110.6	12149.5	12206.5	12258.3	12636.5	12535.5	12297.1	12149.5	12105.4
25°	9022.7	8991.6	9245.5	9711.8	9786.9	9833.6	9807.7	9683.3	9587.5	9605.6
27.5°	6235.3	6289.7	6279.4	6284.6	6779.4	6776.8	6769.0	6660.2	6631.7	6590.2
30°	3486.8	3460.9	3473.9	3440.2	3370.2	3455.7	3318.4	3435.0	3321.0	3357.3
32.5°	2062.0	2043.9	2025.8	2033.5	1981.7	1854.8	1800.4	1880.7	1854.8	1844.4
35°	1316.0	1323.7	1347.1	1344.5	1297.8	1225.3	1147.6	1220.1	1209.8	1178.7
37.5°	839.3	839.3	847.1	914.4	875.6	813.4	759.0	790.1	787.5	782.3
40°	595.8	595.8	606.2	624.3	603.6	572.5	541.4	541.4	546.6	531.1
42.5°	443.0	443.0	453.3	463.7	437.8	427.4	411.9	401.5	414.5	401.5
45°	347.1	344.5	347.1	341.9	326.4	326.4	313.5	297.9	313.5	305.7
47.5°	285.0	282.4	279.8	269.4	253.9	256.5	251.3	238.3	246.1	243.5
50°	248.7	243.5	246.1	235.7	222.8	220.2	220.2	207.2	209.8	209.8
52.5°	217.6	217.6	215.0	209.8	204.6	194.3	196.9	183.9	183.9	183.9
55°	204.6	204.6	199.5	189.1	191.7	183.9	176.2	168.4	165.8	165.8
57.5°	202.1	202.1	199.5	189.1	181.3	178.7	168.4	158.0	150.2	152.8
60°	196.9	196.9	191.7	189.1	176.2	171.0	155.4	147.7	137.3	137.3
62.5°	189.1	186.5	176.2	160.6	160.6	147.7	137.3	121.8	114.0	111.4
65°	160.6	158.0	150.2	137.3	129.5	121.8	106.2	90.7	85.5	77.7
67.5°	132.1	132.1	126.9	114.0	108.8	98.4	80.3	69.9	57.0	51.8
70°	108.8	108.8	103.6	95.8	90.7	77.7	62.2	51.8	38.9	33.7
72.5°	88.1	88.1	82.9	77.7	72.5	64.8	51.8	38.9	25.9	20.7
75°	69.9	69.9	67.4	62.2	57.0	51.8	41.4	31.1	18.1	10.4
77.5°	57.0	57.0	54.4	51.8	46.6	41.4	33.7	25.9	13.0	5.2
80°	44.0	44.0	44.0	44.0	38.9	33.7	28.5	20.7	10.4	2.6
82.5°	31.1	31.1	33.7	38.9	31.1	25.9	25.9	20.7	7.8	2.6
85°	20.7	23.3	25.9	23.3	20.7	20.7	36.3	33.7	7.8	2.6
87.5°	10.4	10.4	10.4	10.4	10.4	7.8	10.4	7.8	5.2	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
42950.6
42626.8
42214.9
41406.6
40199.5
38380.9
36386.2
34155.8
31464.3
29153.5
26886.9
21643.7
18400.4
16309.8
14281.5
11947.4
9543.4
6440.0
3401.3
1818.5
1145.0
772.0
525.9
398.9
305.7
243.5
212.4
183.9
163.2
152.8
129.5
106.2
75.1
49.2
31.1
18.1
7.8
5.2
2.6
2.6
2.6
0.0
0.0

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