

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: P636338

Luminaire Tested: **IFLD-S-SA3C-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636338
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13149.2 lumens
Efficiency: N/A
Efficacy: 81.8 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

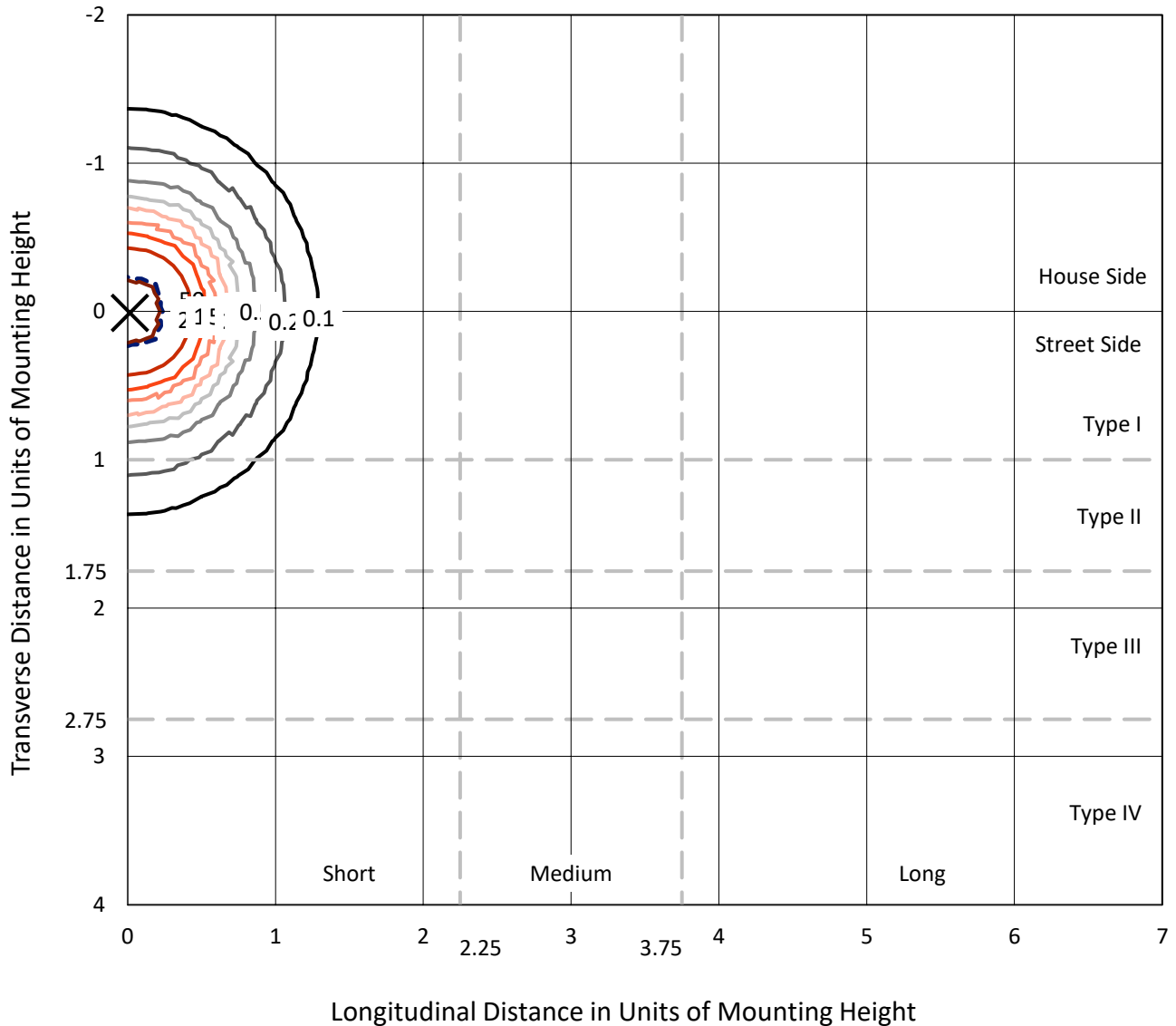
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

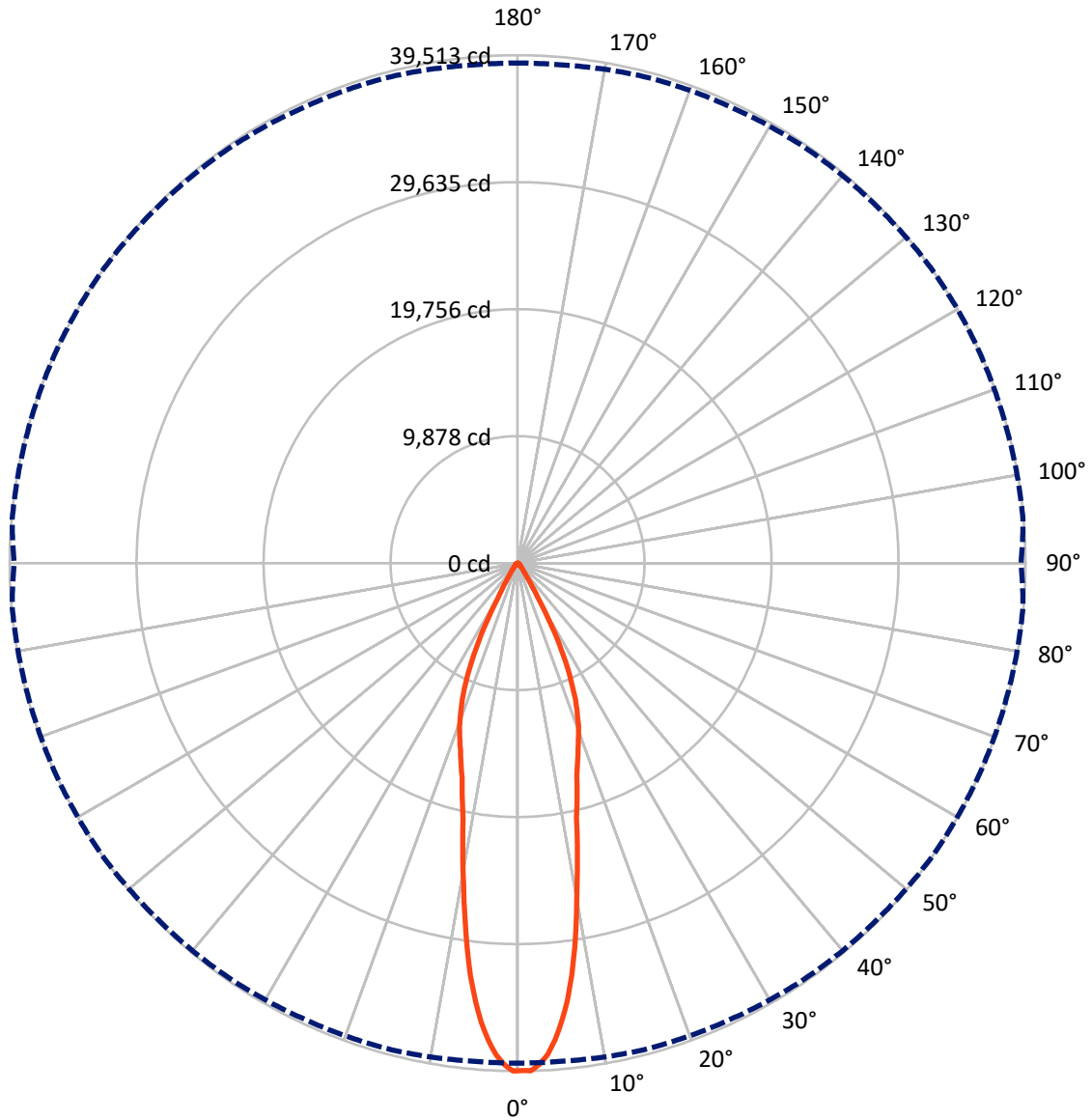
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 98.7 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	6574.6	0.0	6574.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6574.6	0.0	6574.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	13149.2	0.0	13149.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3002.9	22.8
10°-20°	4904.5	37.3
20°-30°	3832.6	29.1
30°-40°	835.4	6.4
40°-50°	247.3	1.9
50°-60°	154.7	1.2
60°-70°	108.2	0.8
70°-80°	46.4	0.4
80°-90°	17.1	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°	13149.2	100.0
0°-180°	13149.2	100.0



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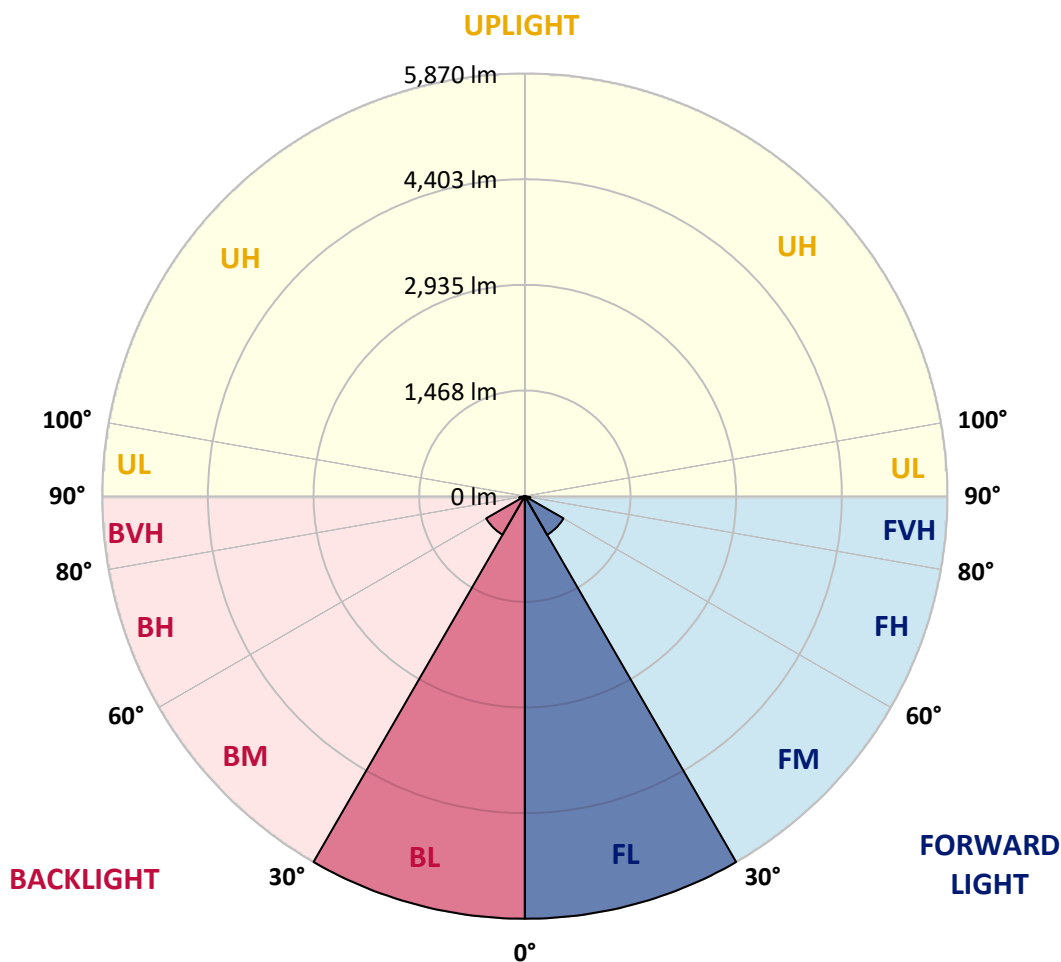
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5870.0	44.6			
FM (30°-60°)	618.7	4.7			
FH (60°-80°)	77.3	0.6			G0/660
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	5870.0	44.6	B5		
BM (30°-60°)	618.7	4.7	B1/1000		
BH (60°-80°)	77.3	0.6	B0/110		G0/660
BVH (80°-90°)	8.6	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°	39467.5	39467.5	39467.5	39467.5	39467.5	39467.5	39467.5	39467.5	39467.5	39467.5
1°	38896.2	38900.9	39112.8	39160.4	39305.6	39379.4	39512.7	39498.4	39457.9	39462.7
2°	38179.6	38148.7	38346.3	38565.3	38739.0	38881.9	39041.4	39074.7	39036.6	39072.3
3°	37001.3	36956.1	37232.2	37506.0	37808.3	38053.5	38293.9	38303.4	38258.2	38255.8
4°	35451.7	35368.4	35696.9	36184.8	36565.7	36891.8	37191.8	37187.0	37125.1	37175.1
5°	33578.3	33473.5	33899.6	34542.4	35106.5	35499.3	35830.2	35751.6	35608.8	35615.9
6°	31278.8	31381.2	31902.5	32804.6	33471.2	33797.3	34204.3	34056.7	33809.2	33783.0
7°	29117.4	29348.3	29764.8	30852.7	31645.4	31988.2	32333.3	32035.8	31700.1	31645.4
8°	26841.7	27227.3	27803.4	28805.5	29650.6	29995.7	30126.7	29807.7	29448.2	29434.0
9°	24996.8	25261.1	25756.2	26639.3	27498.7	27729.6	27758.1	27479.6	27120.2	27144.0
10°	23318.6	23368.6	23797.1	24556.5	25244.4	25408.7	25401.5	25199.2	24904.0	24982.6
12.5°	19562.3	19698.0	19821.8	20064.6	20295.5	20402.6	20362.2	20278.8	20117.0	20124.1
15°	17012.9	17010.5	17024.8	17136.7	17205.7	17217.6	17217.6	17112.9	17043.8	17146.2
17.5°	14763.4	14887.2	15108.6	15199.0	15289.5	15256.1	15194.3	15146.6	15101.4	15189.5
20°	13013.8	13068.5	13070.9	13130.4	13587.5	13611.3	13532.7	13397.0	13282.8	13261.4
22.5°	11045.2	11128.5	11164.2	11216.6	11264.2	11611.7	11518.9	11299.9	11164.2	11123.7
25°	8291.0	8262.5	8495.7	8924.2	8993.2	9036.1	9012.3	8898.0	8810.0	8826.6
27.5°	5729.7	5779.7	5770.2	5774.9	6229.6	6227.2	6220.1	6120.1	6093.9	6055.8
30°	3204.1	3180.2	3192.2	3161.2	3096.9	3175.5	3049.3	3156.4	3051.7	3085.0
32.5°	1894.8	1878.2	1861.5	1868.6	1821.0	1704.4	1654.4	1728.2	1704.4	1694.9
35°	1209.3	1216.4	1237.8	1235.4	1192.6	1125.9	1054.5	1121.2	1111.7	1083.1
37.5°	771.3	771.3	778.4	840.3	804.6	747.5	697.5	726.0	723.6	718.9
40°	547.5	547.5	557.0	573.7	554.6	526.1	497.5	497.5	502.3	488.0
42.5°	407.1	407.1	416.6	426.1	402.3	392.8	378.5	369.0	380.9	369.0
45°	319.0	316.6	319.0	314.2	299.9	299.9	288.0	273.7	288.0	280.9
47.5°	261.8	259.5	257.1	247.6	233.3	235.7	230.9	219.0	226.1	223.8
50°	228.5	223.8	226.1	216.6	204.7	202.3	202.3	190.4	192.8	192.8
52.5°	200.0	200.0	197.6	192.8	188.1	178.5	180.9	169.0	169.0	169.0
55°	188.1	188.1	183.3	173.8	176.2	169.0	161.9	154.7	152.3	152.3
57.5°	185.7	185.7	183.3	173.8	166.6	164.2	154.7	145.2	138.1	140.4
60°	180.9	180.9	176.2	173.8	161.9	157.1	142.8	135.7	126.2	126.2
62.5°	173.8	171.4	161.9	147.6	147.6	135.7	126.2	111.9	104.7	102.4
65°	147.6	145.2	138.1	126.2	119.0	111.9	97.6	83.3	78.6	71.4
67.5°	121.4	121.4	116.6	104.7	100.0	90.5	73.8	64.3	52.4	47.6
70°	100.0	100.0	95.2	88.1	83.3	71.4	57.1	47.6	35.7	30.9
72.5°	80.9	80.9	76.2	71.4	66.7	59.5	47.6	35.7	23.8	19.0
75°	64.3	64.3	61.9	57.1	52.4	47.6	38.1	28.6	16.7	9.5
77.5°	52.4	52.4	50.0	47.6	42.8	38.1	30.9	23.8	11.9	4.8
80°	40.5	40.5	40.5	40.5	35.7	30.9	26.2	19.0	9.5	2.4
82.5°	28.6	28.6	30.9	35.7	28.6	23.8	23.8	19.0	7.1	2.4
85°	19.0	21.4	23.8	21.4	19.0	19.0	33.3	30.9	7.1	2.4
87.5°	9.5	9.5	9.5	9.5	9.5	7.1	9.5	7.1	4.8	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°
39467.5
39169.9
38791.4
38048.7
36939.4
35268.4
33435.5
31385.9
28912.6
26789.3
24706.4
19888.5
16908.2
14987.2
13123.3
10978.5
8769.5
5917.7
3125.5
1671.1
1052.1
709.4
483.2
366.6
280.9
223.8
195.2
169.0
150.0
140.4
119.0
97.6
69.0
45.2
28.6
16.7
7.1
4.8
2.4
2.4
2.4
0.0
0.0

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