

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: P636352

Luminaire Tested: **IFLD-L-SA7B-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636352
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22107 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

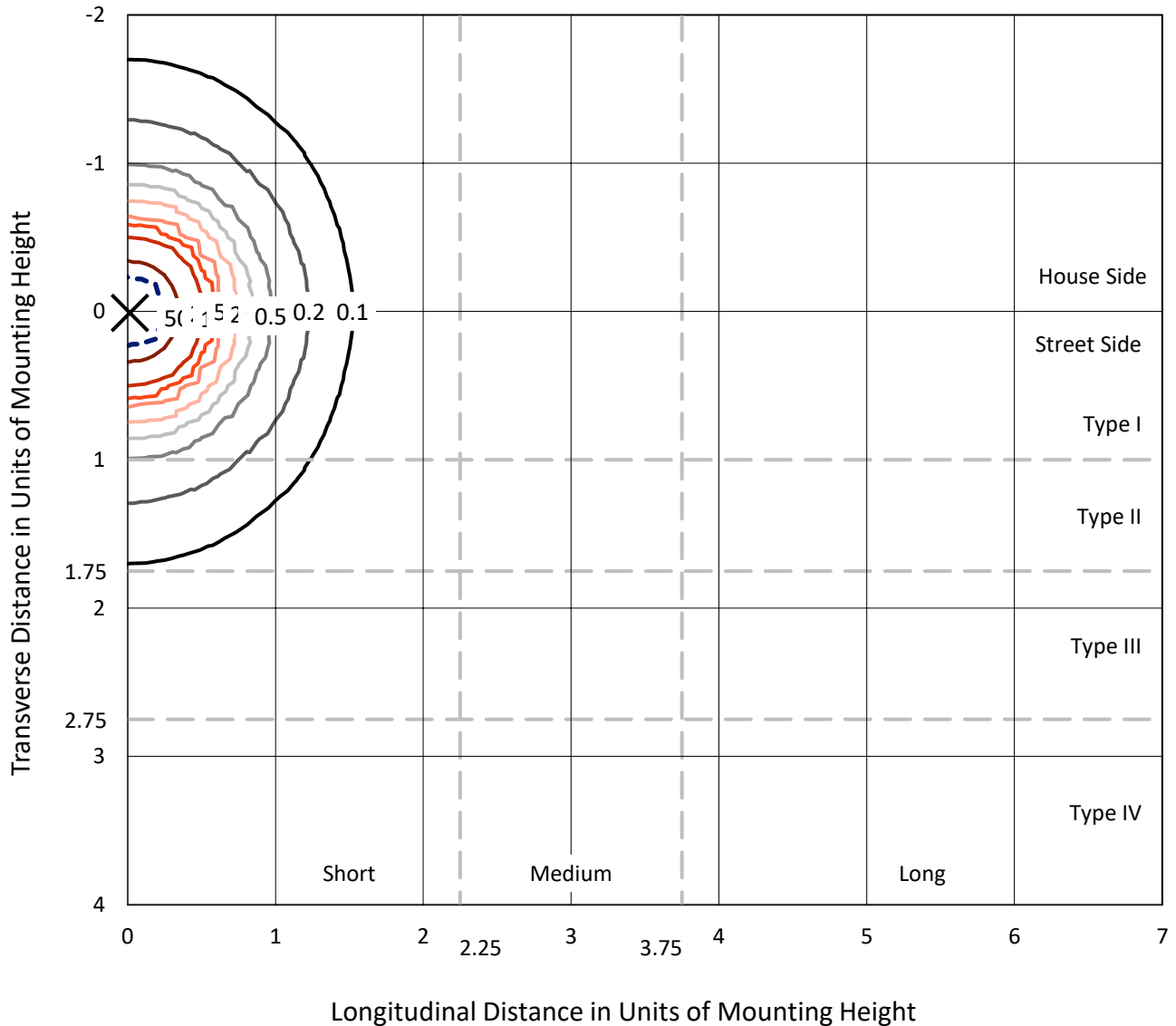
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

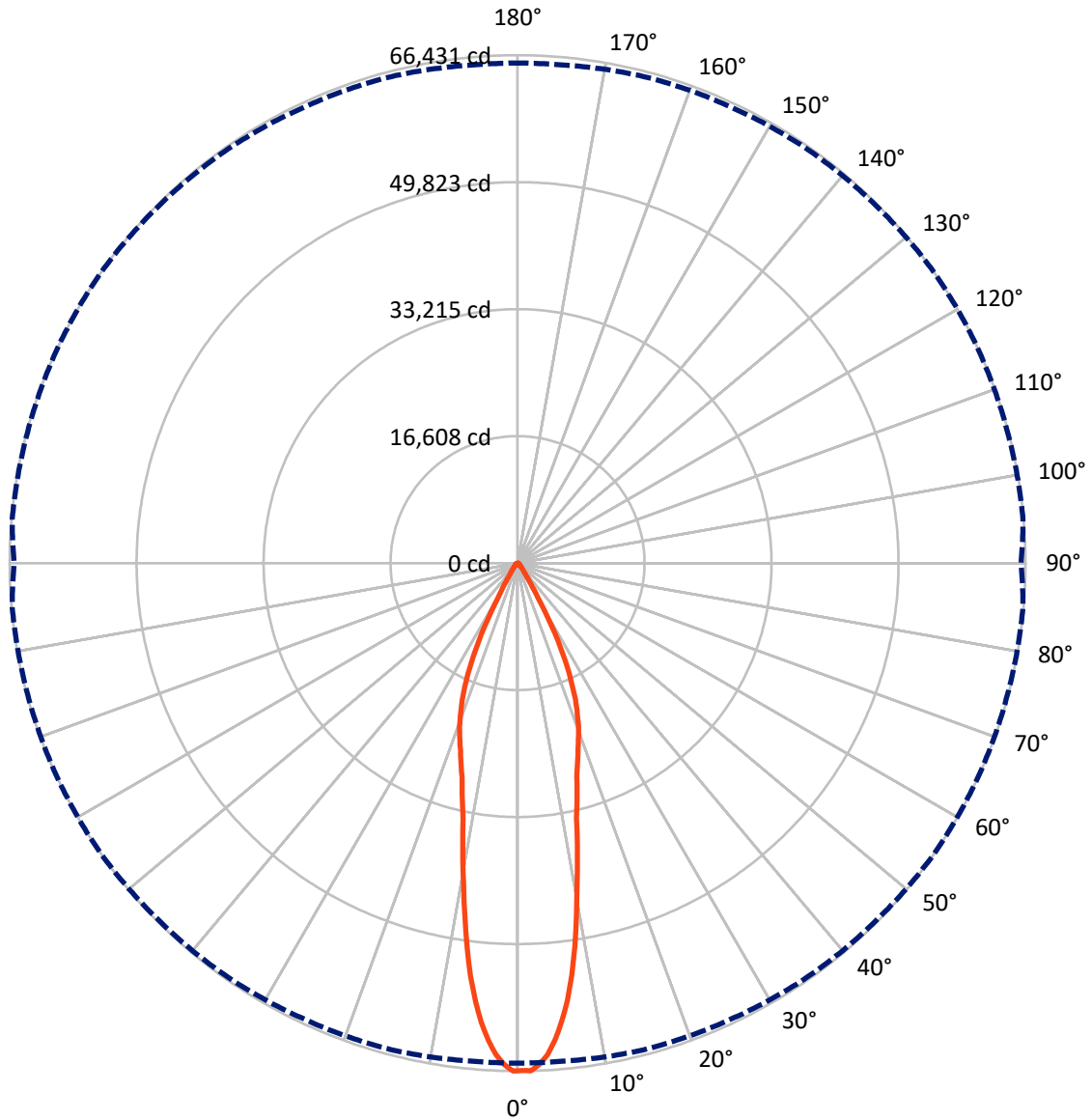
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 165.9 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	11053.5	0.0	11053.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11053.5	0.0	11053.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22107.0	0.0	22107.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5048.6	22.8
10°-20°	8245.7	37.3
20°-30°	6443.5	29.1
30°-40°	1404.5	6.4
40°-50°	415.8	1.9
50°-60°	260.1	1.2
60°-70°	181.9	0.8
70°-80°	78.0	0.4
80°-90°	28.8	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°	22107.0	100.0
0°-180°	22107.0	100.0



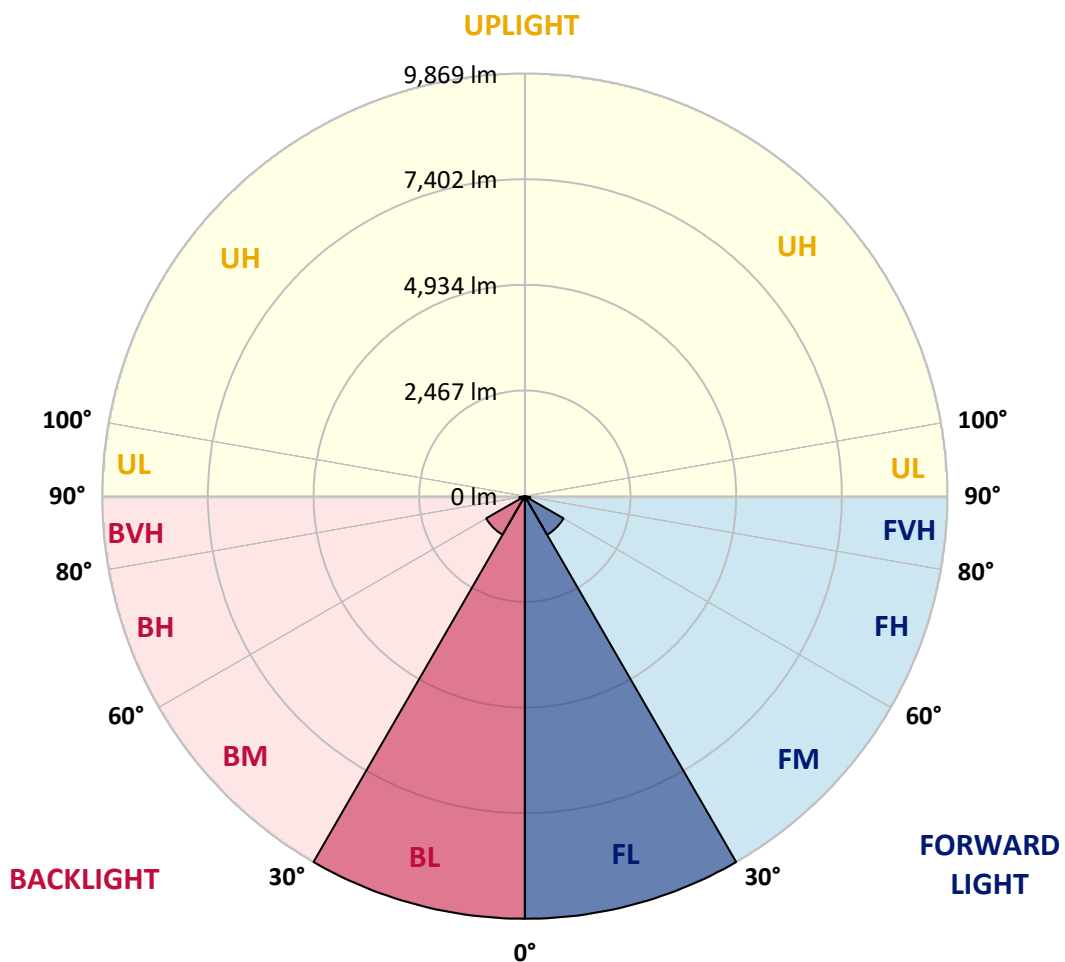
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9868.9	44.6			
FM (30°-60°)	1040.2	4.7			
FH (60°-80°)	130.0	0.6			G0/660
FVH (80°-90°)	14.4	0.1			G1/100
BL (0°-30°)	9868.9	44.6	B5		
BM (30°-60°)	1040.2	4.7	B2/2500		
BH (60°-80°)	130.0	0.6	B1/500		G0/660
BVH (80°-90°)	14.4	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°
0°	66354.4	66354.4	66354.4	66354.4	66354.4	66354.4	66354.4	66354.4	66354.4	66354.4
1°	65393.9	65401.9	65758.1	65838.2	66082.3	66206.4	66430.5	66406.5	66338.4	66346.4
2°	64189.3	64137.3	64469.5	64837.6	65129.8	65369.9	65638.1	65694.1	65630.1	65690.1
3°	62208.3	62132.2	62596.5	63056.7	63565.0	63977.2	64381.4	64397.4	64321.4	64317.4
4°	59602.9	59462.9	60015.1	60835.6	61475.9	62024.2	62528.4	62520.4	62416.4	62500.4
5°	56453.3	56277.2	56993.6	58074.1	59022.6	59683.0	60239.3	60107.2	59867.1	59879.1
6°	52587.3	52759.4	53635.8	55152.6	56273.2	56821.5	57505.8	57257.7	56841.5	56797.5
7°	48953.4	49341.6	50042.0	51870.9	53203.6	53779.9	54360.2	53859.9	53295.7	53203.6
8°	45127.4	45775.8	46744.3	48429.1	49849.9	50430.2	50650.3	50114.0	49509.7	49485.7
9°	42025.8	42470.0	43302.5	44787.2	46232.0	46620.2	46668.2	46200.0	45595.7	45635.7
10°	39204.3	39288.4	40008.8	41285.4	42442.0	42718.2	42706.2	42366.0	41869.7	42001.8
12.5°	32889.1	33117.2	33325.3	33733.5	34121.7	34301.8	34233.8	34093.7	33821.6	33833.6
15°	28602.8	28598.8	28622.9	28811.0	28927.0	28947.0	28947.0	28770.9	28654.9	28827.0
17.5°	24820.9	25029.0	25401.2	25553.3	25705.3	25649.3	25545.3	25465.2	25389.2	25537.3
20°	21879.4	21971.4	21975.4	22075.5	22843.9	22883.9	22751.8	22523.7	22331.6	22295.6
22.5°	18569.6	18709.7	18769.7	18857.8	18937.8	19522.1	19366.0	18997.9	18769.7	18701.7
25°	13939.2	13891.2	14283.4	15003.8	15119.8	15191.9	15151.9	14959.8	14811.7	14839.7
27.5°	9633.0	9717.0	9701.0	9709.0	10473.4	10469.4	10457.4	10289.3	10245.3	10181.3
30°	5386.8	5346.8	5366.8	5314.8	5206.7	5338.8	5126.7	5306.8	5130.7	5186.7
32.5°	3185.7	3157.6	3129.6	3141.6	3061.6	2865.5	2781.4	2905.5	2865.5	2849.5
35°	2033.1	2045.1	2081.1	2077.1	2005.0	1893.0	1772.9	1885.0	1869.0	1820.9
37.5°	1296.7	1296.7	1308.7	1412.7	1352.7	1256.7	1172.6	1220.6	1216.6	1208.6
40°	920.5	920.5	936.5	964.5	932.5	884.5	836.4	836.4	844.4	820.4
42.5°	684.4	684.4	700.4	716.4	676.4	660.3	636.3	620.3	640.3	620.3
45°	536.3	532.3	536.3	528.3	504.3	504.3	484.3	460.2	484.3	472.2
47.5°	440.2	436.2	432.2	416.2	392.2	396.2	388.2	368.2	380.2	376.2
50°	384.2	376.2	380.2	364.2	344.2	340.2	340.2	320.2	324.2	324.2
52.5°	336.2	336.2	332.2	324.2	316.2	300.2	304.2	284.1	284.1	284.1
55°	316.2	316.2	308.2	292.2	296.2	284.1	272.1	260.1	256.1	256.1
57.5°	312.2	312.2	308.2	292.2	280.1	276.1	260.1	244.1	232.1	236.1
60°	304.2	304.2	296.2	292.2	272.1	264.1	240.1	228.1	212.1	212.1
62.5°	292.2	288.1	272.1	248.1	248.1	228.1	212.1	188.1	176.1	172.1
65°	248.1	244.1	232.1	212.1	200.1	188.1	164.1	140.1	132.1	120.1
67.5°	204.1	204.1	196.1	176.1	168.1	152.1	124.1	108.1	88.0	80.0
70°	168.1	168.1	160.1	148.1	140.1	120.1	96.0	80.0	60.0	52.0
72.5°	136.1	136.1	128.1	120.1	112.1	100.1	80.0	60.0	40.0	32.0
75°	108.1	108.1	104.1	96.0	88.0	80.0	64.0	48.0	28.0	16.0
77.5°	88.0	88.0	84.0	80.0	72.0	64.0	52.0	40.0	20.0	8.0
80°	68.0	68.0	68.0	68.0	60.0	52.0	44.0	32.0	16.0	4.0
82.5°	48.0	48.0	52.0	60.0	48.0	40.0	40.0	32.0	12.0	4.0
85°	32.0	36.0	40.0	36.0	32.0	32.0	56.0	52.0	12.0	4.0
87.5°	16.0	16.0	16.0	16.0	16.0	12.0	16.0	12.0	8.0	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°
66354.4
65854.2
65217.8
63969.2
62104.2
59294.8
56213.2
52767.4
48609.2
45039.4
41537.6
33437.4
28426.8
25197.1
22063.4
18457.6
14743.7
9949.2
5254.7
2809.5
1768.9
1192.6
812.4
616.3
472.2
376.2
328.2
284.1
252.1
236.1
200.1
164.1
116.1
76.0
48.0
28.0
12.0
8.0
4.0
4.0
4.0
0.0
0.0

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