

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: P636339

Luminaire Tested: **IFLD-S-SA3D-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636339
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-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: 14468.4 lumens
Efficiency: N/A
Efficacy: 78.6 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

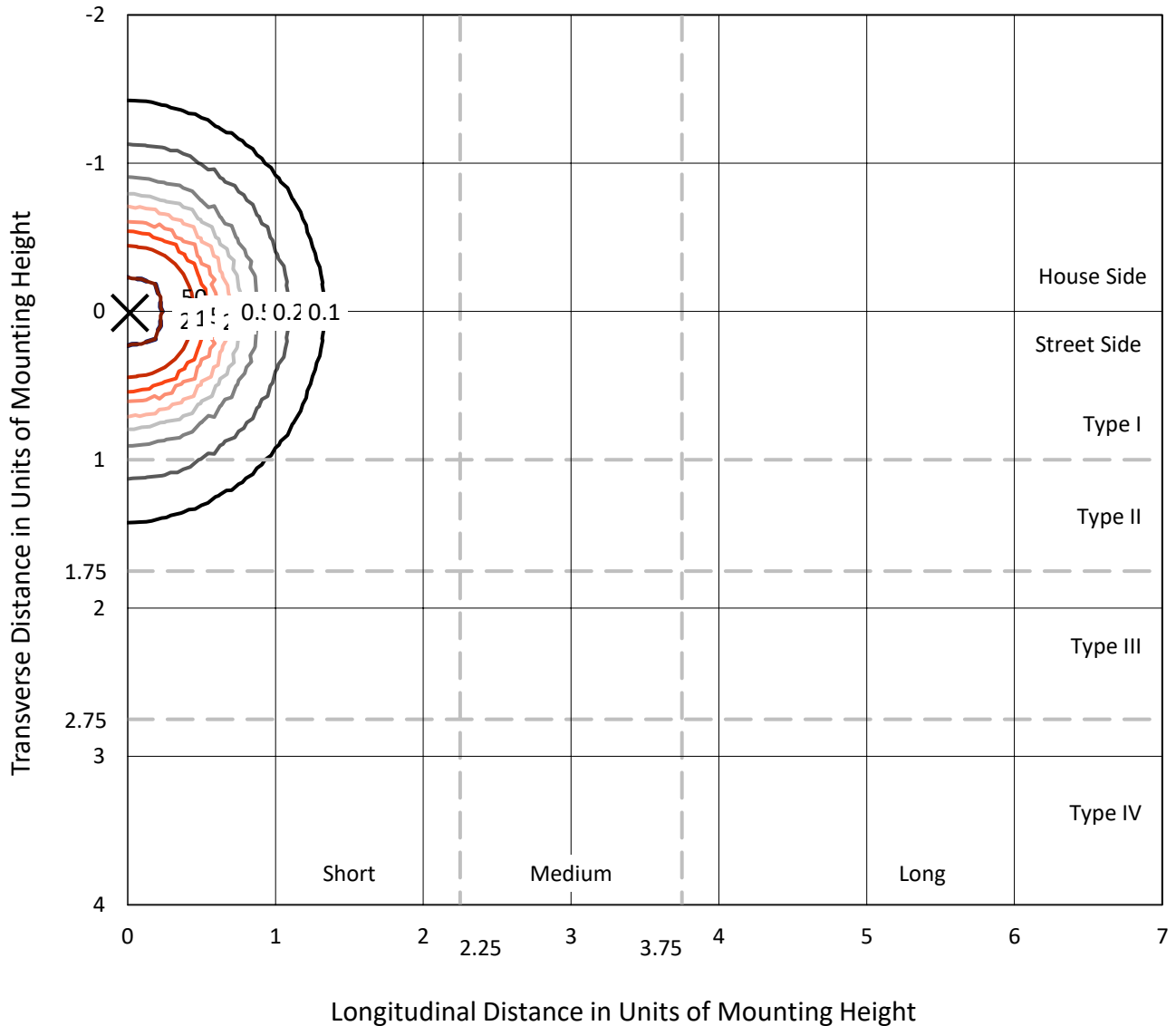
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

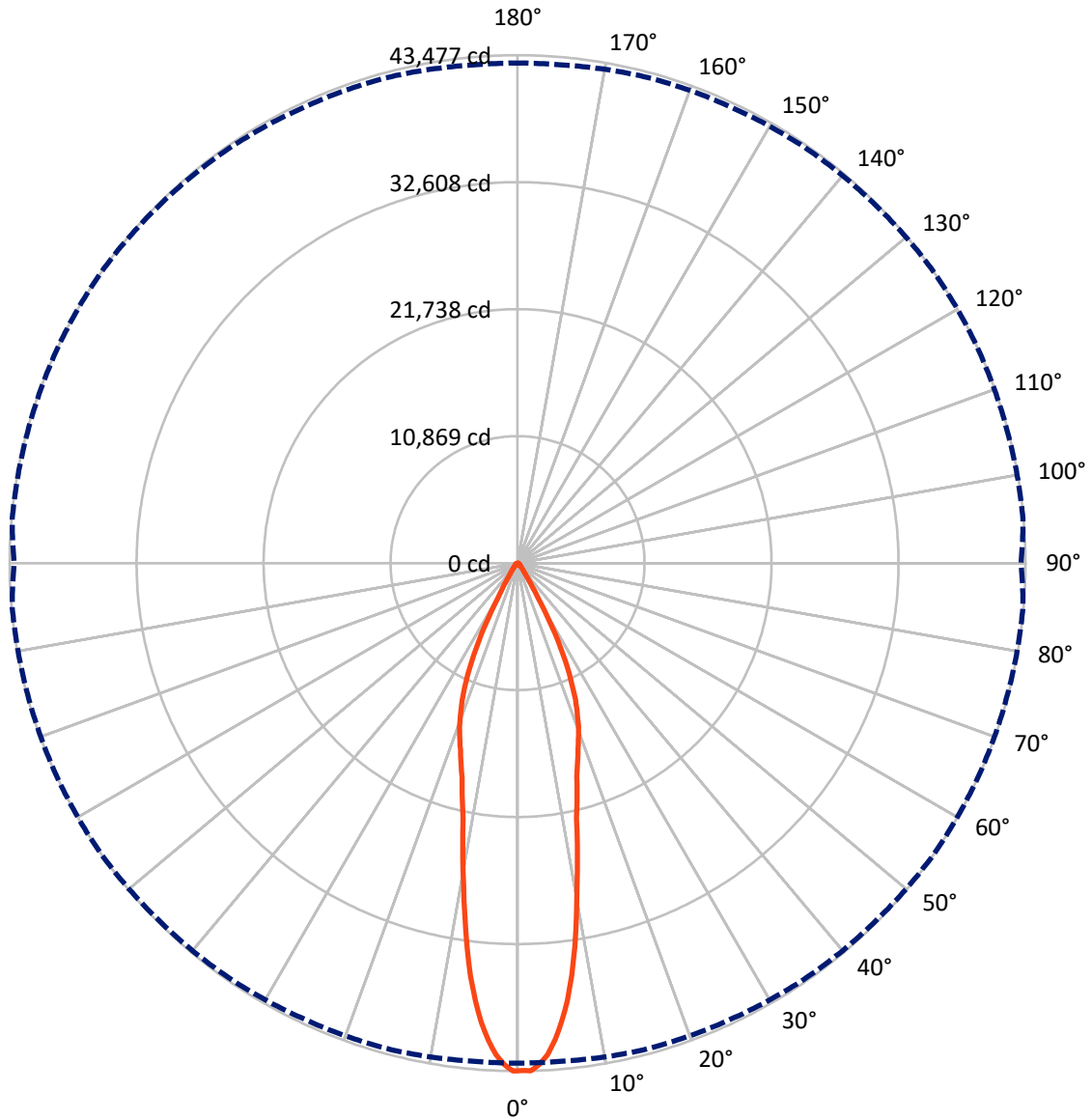
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 108.6 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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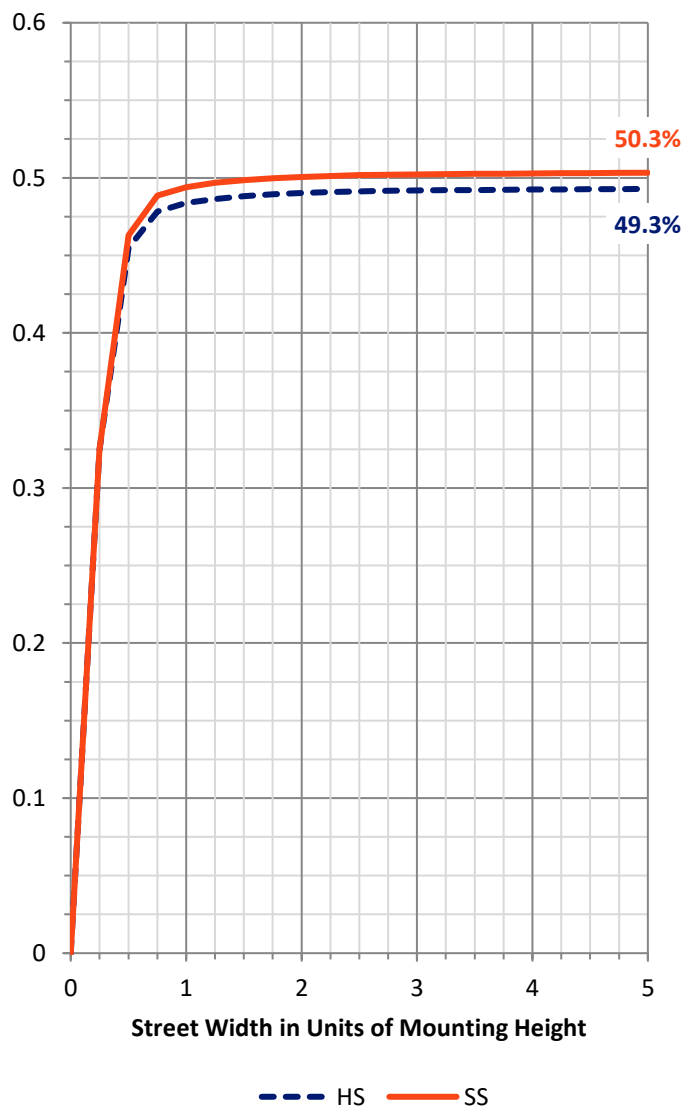
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7234.2	0.0	7234.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7234.2	0.0	7234.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14468.4	0.0	14468.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3304.2	22.8
10°-20°	5396.6	37.3
20°-30°	4217.1	29.1
30°-40°	919.2	6.4
40°-50°	272.2	1.9
50°-60°	170.2	1.2
60°-70°	119.0	0.8
70°-80°	51.1	0.4
80°-90°	18.9	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°	14468.4	100.0
0°-180°	14468.4	100.0

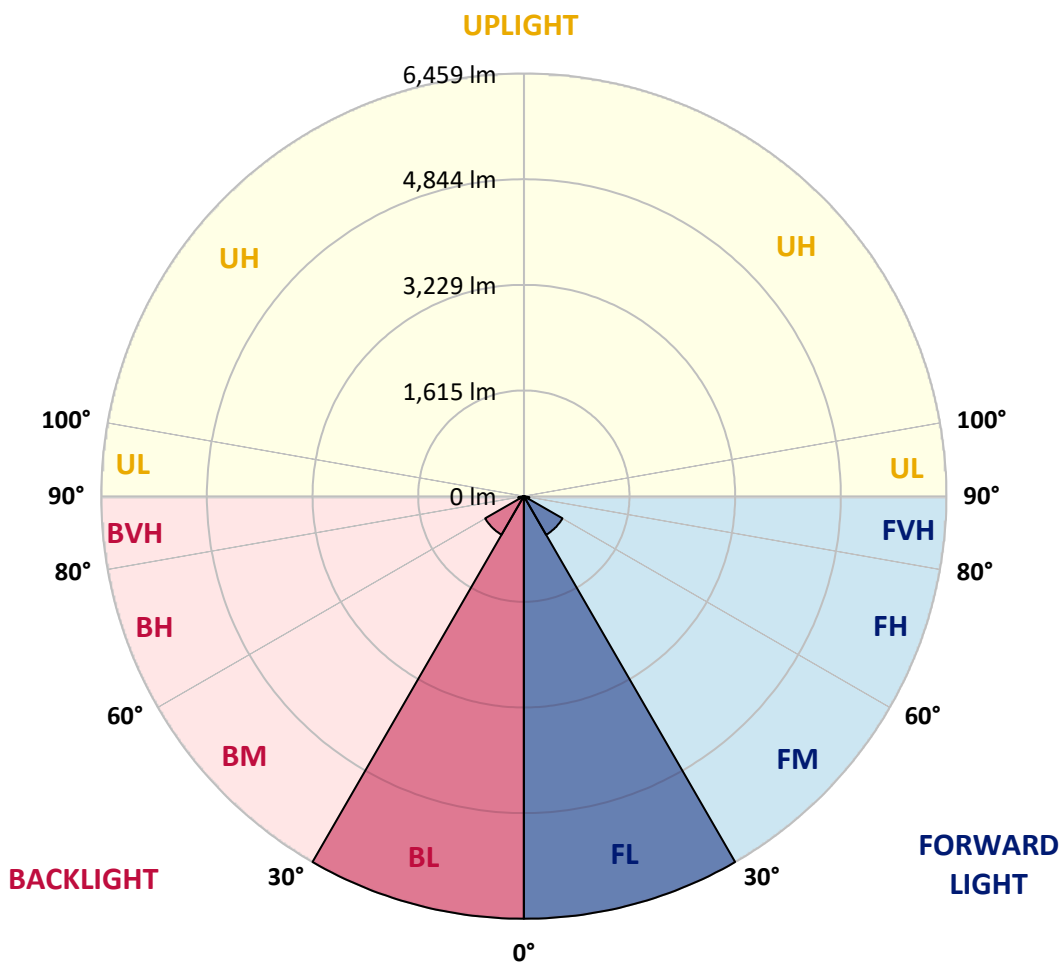


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6458.9	44.6			
FM (30°-60°)	680.8	4.7			
FH (60°-80°)	85.1	0.6			G0/660
FVH (80°-90°)	9.4	0.1			G0/10
BL (0°-30°)	6458.9	44.6	B5		
BM (30°-60°)	680.8	4.7	B1/1000		
BH (60°-80°)	85.1	0.6	B0/110		G0/660
BVH (80°-90°)	9.4	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°	43426.9	43426.9	43426.9	43426.9	43426.9	43426.9	43426.9	43426.9	43426.9	43426.9
1°	42798.3	42803.6	43036.7	43089.1	43248.8	43330.0	43476.7	43461.0	43416.5	43421.7
2°	42009.9	41975.9	42193.3	42434.2	42625.4	42782.6	42958.1	42994.8	42952.9	42992.1
3°	40713.4	40663.6	40967.5	41268.7	41601.3	41871.1	42135.6	42146.1	42096.4	42093.7
4°	39008.3	38916.6	39278.1	39815.0	40234.1	40592.9	40922.9	40917.7	40849.6	40904.6
5°	36946.9	36831.7	37300.5	38007.7	38628.5	39060.7	39424.7	39338.3	39181.2	39189.0
6°	34416.8	34529.4	35103.0	36095.7	36829.1	37187.9	37635.8	37473.4	37201.0	37172.2
7°	32038.5	32292.6	32750.9	33947.9	34820.1	35197.3	35577.1	35249.7	34880.4	34820.1
8°	29534.5	29958.8	30592.7	31695.4	32625.2	33005.0	33149.1	32798.1	32402.6	32386.9
9°	27504.6	27795.3	28340.1	29311.9	30257.4	30511.5	30542.9	30236.5	29841.0	29867.1
10°	25658.0	25713.0	26184.5	27020.0	27777.0	27957.7	27949.9	27727.2	27402.4	27488.9
12.5°	21524.9	21674.2	21810.4	22077.5	22331.6	22449.5	22404.9	22313.3	22135.2	22143.0
15°	18719.7	18717.1	18732.8	18855.9	18931.8	18944.9	18944.9	18829.7	18753.7	18866.4
17.5°	16244.5	16380.7	16624.3	16723.8	16823.4	16786.7	16718.6	16666.2	16616.4	16713.3
20°	14319.4	14379.6	14382.2	14447.7	14950.6	14976.8	14890.4	14741.1	14615.3	14591.8
22.5°	12153.3	12244.9	12284.2	12341.8	12394.2	12776.6	12674.5	12433.5	12284.2	12239.7
25°	9122.8	9091.4	9348.1	9819.5	9895.5	9942.6	9916.4	9790.7	9693.8	9712.1
27.5°	6304.5	6359.5	6349.0	6354.3	6854.5	6851.9	6844.1	6734.1	6705.2	6663.3
30°	3525.5	3499.3	3512.4	3478.3	3407.6	3494.1	3355.2	3473.1	3357.9	3394.5
32.5°	2084.9	2066.6	2048.2	2056.1	2003.7	1875.4	1820.4	1901.6	1875.4	1864.9
35°	1330.6	1338.4	1362.0	1359.4	1312.2	1238.9	1160.3	1233.7	1223.2	1191.8
37.5°	848.6	848.6	856.5	924.6	885.3	822.4	767.4	798.9	796.2	791.0
40°	602.4	602.4	612.9	631.2	610.3	578.9	547.4	547.4	552.7	536.9
42.5°	447.9	447.9	458.4	468.8	442.7	432.2	416.5	406.0	419.1	406.0
45°	351.0	348.4	351.0	345.7	330.0	330.0	316.9	301.2	316.9	309.1
47.5°	288.1	285.5	282.9	272.4	256.7	259.3	254.1	241.0	248.8	246.2
50°	251.4	246.2	248.8	238.4	225.3	222.6	222.6	209.5	212.2	212.2
52.5°	220.0	220.0	217.4	212.2	206.9	196.4	199.1	186.0	186.0	186.0
55°	206.9	206.9	201.7	191.2	193.8	186.0	178.1	170.3	167.6	167.6
57.5°	204.3	204.3	201.7	191.2	183.3	180.7	170.3	159.8	151.9	154.5
60°	199.1	199.1	193.8	191.2	178.1	172.9	157.2	149.3	138.8	138.8
62.5°	191.2	188.6	178.1	162.4	162.4	149.3	138.8	123.1	115.2	112.6
65°	162.4	159.8	151.9	138.8	131.0	123.1	107.4	91.7	86.4	78.6
67.5°	133.6	133.6	128.3	115.2	110.0	99.5	81.2	70.7	57.6	52.4
70°	110.0	110.0	104.8	96.9	91.7	78.6	62.9	52.4	39.3	34.1
72.5°	89.1	89.1	83.8	78.6	73.3	65.5	52.4	39.3	26.2	21.0
75°	70.7	70.7	68.1	62.9	57.6	52.4	41.9	31.4	18.3	10.5
77.5°	57.6	57.6	55.0	52.4	47.1	41.9	34.1	26.2	13.1	5.2
80°	44.5	44.5	44.5	44.5	39.3	34.1	28.8	21.0	10.5	2.6
82.5°	31.4	31.4	34.1	39.3	31.4	26.2	26.2	21.0	7.9	2.6
85°	21.0	23.6	26.2	23.6	21.0	21.0	36.7	34.1	7.9	2.6
87.5°	10.5	10.5	10.5	10.5	10.5	7.9	10.5	7.9	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°
43426.9
43099.5
42683.1
41865.9
40645.3
38806.6
36789.8
34534.6
31813.2
29476.9
27185.1
21883.7
18604.4
16490.7
14439.8
12079.9
9649.3
6511.4
3439.1
1838.7
1157.7
780.5
531.7
403.4
309.1
246.2
214.8
186.0
165.0
154.5
131.0
107.4
76.0
49.8
31.4
18.3
7.9
5.2
2.6
2.6
2.6
0.0
0.0

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