

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: P636310

Luminaire Tested: **IFLD-S-SA3D-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636310
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13945.4 lumens
Efficiency: N/A
Efficacy: 75.7 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

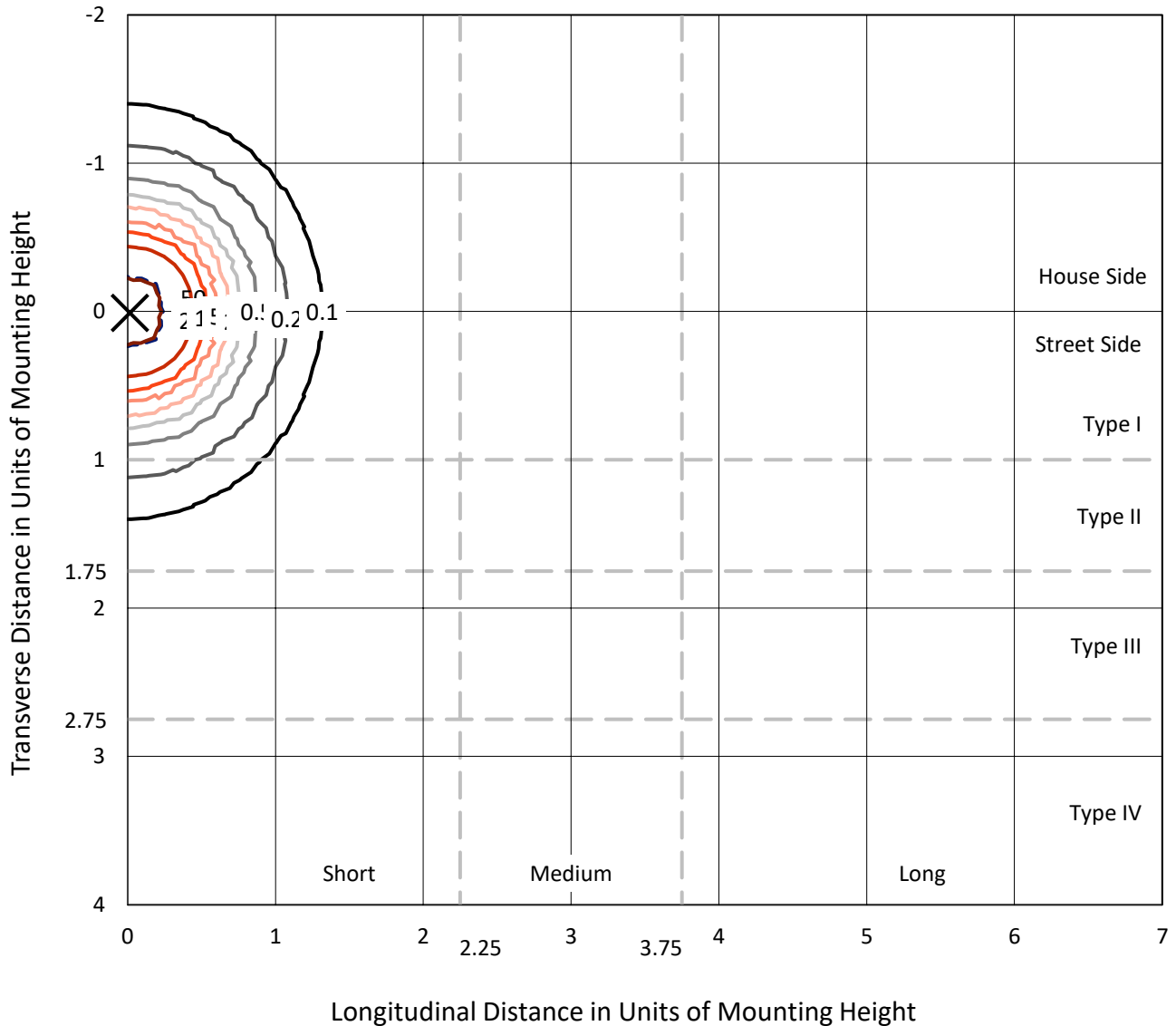
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

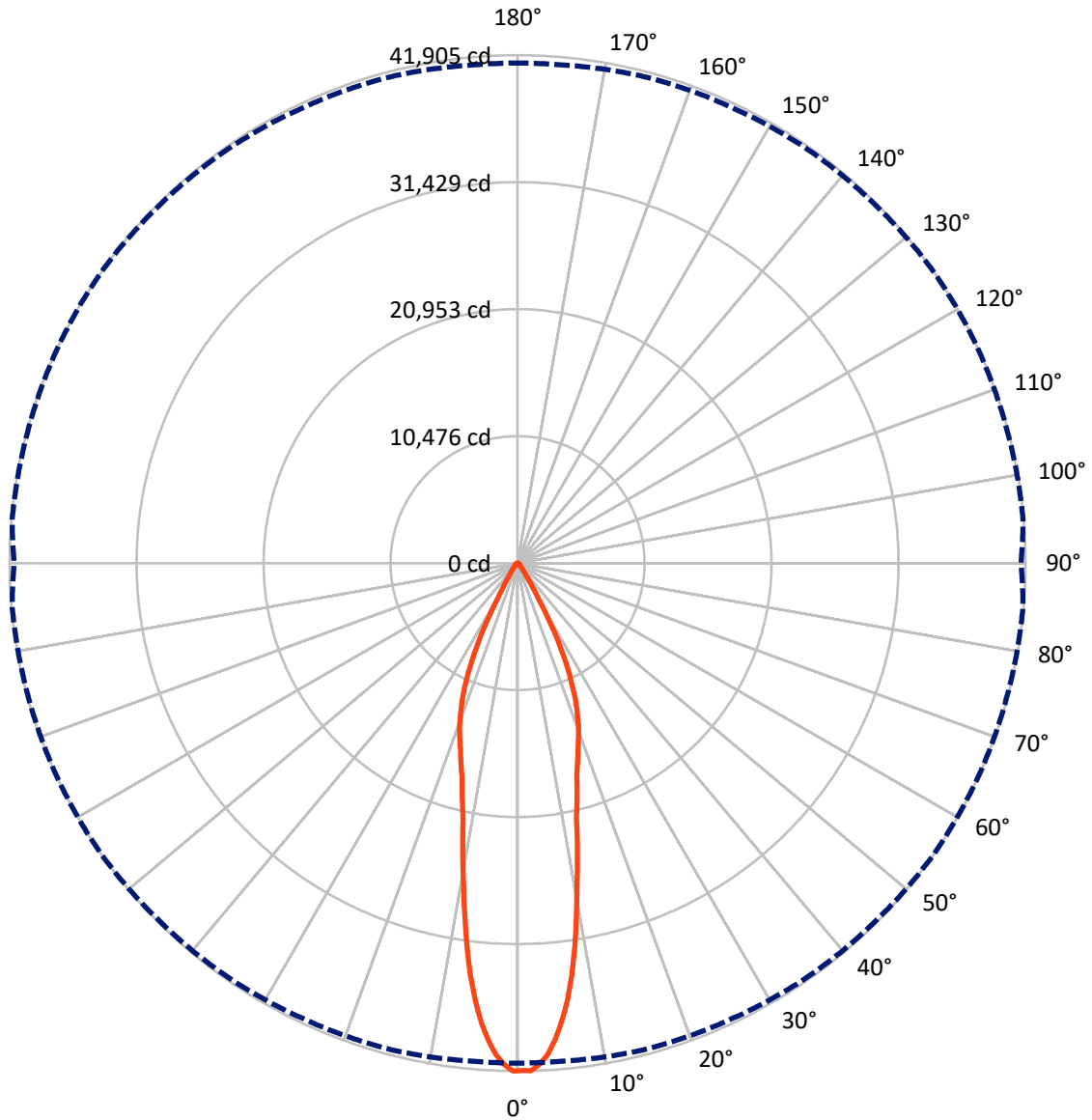
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 104.6 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	6972.7	0.0	6972.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6972.7	0.0	6972.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13945.4	0.0	13945.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3184.7	22.8
10°-20°	5201.5	37.3
20°-30°	4064.6	29.1
30°-40°	886.0	6.4
40°-50°	262.3	1.9
50°-60°	164.1	1.2
60°-70°	114.7	0.8
70°-80°	49.2	0.4
80°-90°	18.2	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°	13945.4	100.0
0°-180°	13945.4	100.0

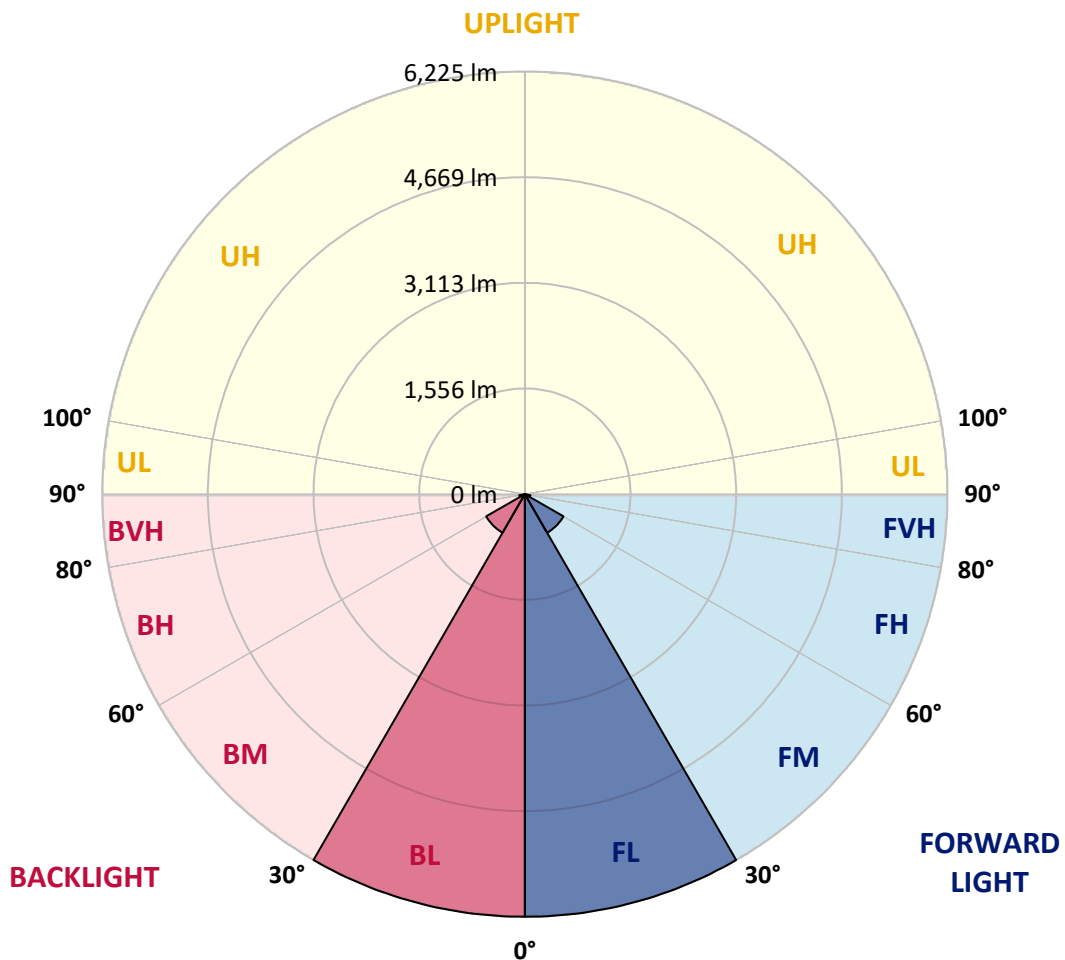


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6225.5	44.6			
FM (30°-60°)	656.2	4.7			
FH (60°-80°)	82.0	0.6			G0/660
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	6225.5	44.6	B5		
BM (30°-60°)	656.2	4.7	B1/1000		
BH (60°-80°)	82.0	0.6	B0/110		G0/660
BVH (80°-90°)	9.1	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°	41857.3	41857.3	41857.3	41857.3	41857.3	41857.3	41857.3	41857.3	41857.3	41857.3
1°	41251.4	41256.4	41481.1	41531.6	41685.6	41763.9	41905.3	41890.1	41847.2	41852.2
2°	40491.5	40458.7	40668.2	40900.5	41084.8	41236.2	41405.4	41440.7	41400.3	41438.2
3°	39241.8	39193.9	39486.7	39777.0	40097.7	40357.7	40612.7	40622.8	40574.8	40572.3
4°	37598.3	37510.0	37858.4	38375.9	38779.8	39125.7	39443.8	39438.8	39373.1	39426.1
5°	35611.5	35500.4	35952.3	36634.0	37232.3	37648.8	37999.7	37916.4	37765.0	37772.5
6°	33172.8	33281.3	33834.2	34791.0	35497.9	35843.8	36275.5	36118.9	35856.4	35828.6
7°	30880.5	31125.4	31567.2	32720.9	33561.6	33925.1	34291.2	33975.6	33619.6	33561.6
8°	28467.0	28876.0	29486.9	30549.8	31446.0	31812.0	31950.9	31612.6	31231.4	31216.2
9°	26510.5	26790.7	27315.8	28252.4	29163.8	29408.7	29439.0	29143.6	28762.4	28787.6
10°	24730.6	24783.7	25238.1	26043.4	26773.0	26947.2	26939.6	26725.0	26412.0	26495.3
12.5°	20746.9	20890.8	21022.1	21279.6	21524.4	21638.0	21595.1	21506.8	21335.1	21342.7
15°	18043.1	18040.5	18055.7	18174.3	18247.6	18260.2	18260.2	18149.1	18075.9	18184.4
17.5°	15657.4	15788.6	16023.4	16119.3	16215.3	16179.9	16114.3	16063.8	16015.8	16109.2
20°	13801.8	13859.9	13862.4	13925.5	14410.2	14435.5	14352.2	14208.3	14087.1	14064.4
22.5°	11714.0	11802.3	11840.2	11895.7	11946.2	12314.8	12216.4	11984.1	11840.2	11797.3
25°	8793.1	8762.8	9010.2	9464.6	9537.8	9583.2	9558.0	9436.8	9343.4	9361.1
27.5°	6076.6	6129.6	6119.5	6124.6	6606.8	6604.3	6596.7	6490.7	6462.9	6422.5
30°	3398.1	3372.8	3385.4	3352.6	3284.5	3367.8	3234.0	3347.6	3236.5	3271.8
32.5°	2009.6	1991.9	1974.2	1981.8	1931.3	1807.6	1754.6	1832.8	1807.6	1797.5
35°	1282.5	1290.1	1312.8	1310.2	1264.8	1194.1	1118.4	1189.1	1179.0	1148.7
37.5°	818.0	818.0	825.5	891.2	853.3	792.7	739.7	770.0	767.5	762.4
40°	580.6	580.6	590.7	608.4	588.2	557.9	527.6	527.6	532.7	517.5
42.5°	431.7	431.7	441.8	451.9	426.7	416.6	401.4	391.3	403.9	391.3
45°	338.3	335.8	338.3	333.2	318.1	318.1	305.5	290.3	305.5	297.9
47.5°	277.7	275.2	272.7	262.6	247.4	249.9	244.9	232.3	239.8	237.3
50°	242.4	237.3	239.8	229.7	217.1	214.6	214.6	202.0	204.5	204.5
52.5°	212.1	212.1	209.5	204.5	199.4	189.3	191.9	179.2	179.2	179.2
55°	199.4	199.4	194.4	184.3	186.8	179.2	171.7	164.1	161.6	161.6
57.5°	196.9	196.9	194.4	184.3	176.7	174.2	164.1	154.0	146.4	148.9
60°	191.9	191.9	186.8	184.3	171.7	166.6	151.5	143.9	133.8	133.8
62.5°	184.3	181.8	171.7	156.5	156.5	143.9	133.8	118.7	111.1	108.6
65°	156.5	154.0	146.4	133.8	126.2	118.7	103.5	88.4	83.3	75.7
67.5°	128.8	128.8	123.7	111.1	106.0	95.9	78.3	68.2	55.5	50.5
70°	106.0	106.0	101.0	93.4	88.4	75.7	60.6	50.5	37.9	32.8
72.5°	85.8	85.8	80.8	75.7	70.7	63.1	50.5	37.9	25.2	20.2
75°	68.2	68.2	65.6	60.6	55.5	50.5	40.4	30.3	17.7	10.1
77.5°	55.5	55.5	53.0	50.5	45.4	40.4	32.8	25.2	12.6	5.0
80°	42.9	42.9	42.9	42.9	37.9	32.8	27.8	20.2	10.1	2.5
82.5°	30.3	30.3	32.8	37.9	30.3	25.2	25.2	20.2	7.6	2.5
85°	20.2	22.7	25.2	22.7	20.2	20.2	35.3	32.8	7.6	2.5
87.5°	10.1	10.1	10.1	10.1	10.1	7.6	10.1	7.6	5.0	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°
41857.3
41541.7
41140.3
40352.6
39176.2
37404.0
35460.0
33286.4
30663.4
28411.5
26202.5
21092.7
17932.0
15894.7
13917.9
11643.3
9300.5
6276.1
3314.8
1772.2
1115.9
752.3
512.5
388.8
297.9
237.3
207.0
179.2
159.0
148.9
126.2
103.5
73.2
48.0
30.3
17.7
7.6
5.0
2.5
2.5
2.5
0.0
0.0

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