

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: P636078

Luminaire Tested: **IFLD-S-SA3D-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636078
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16003.3 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

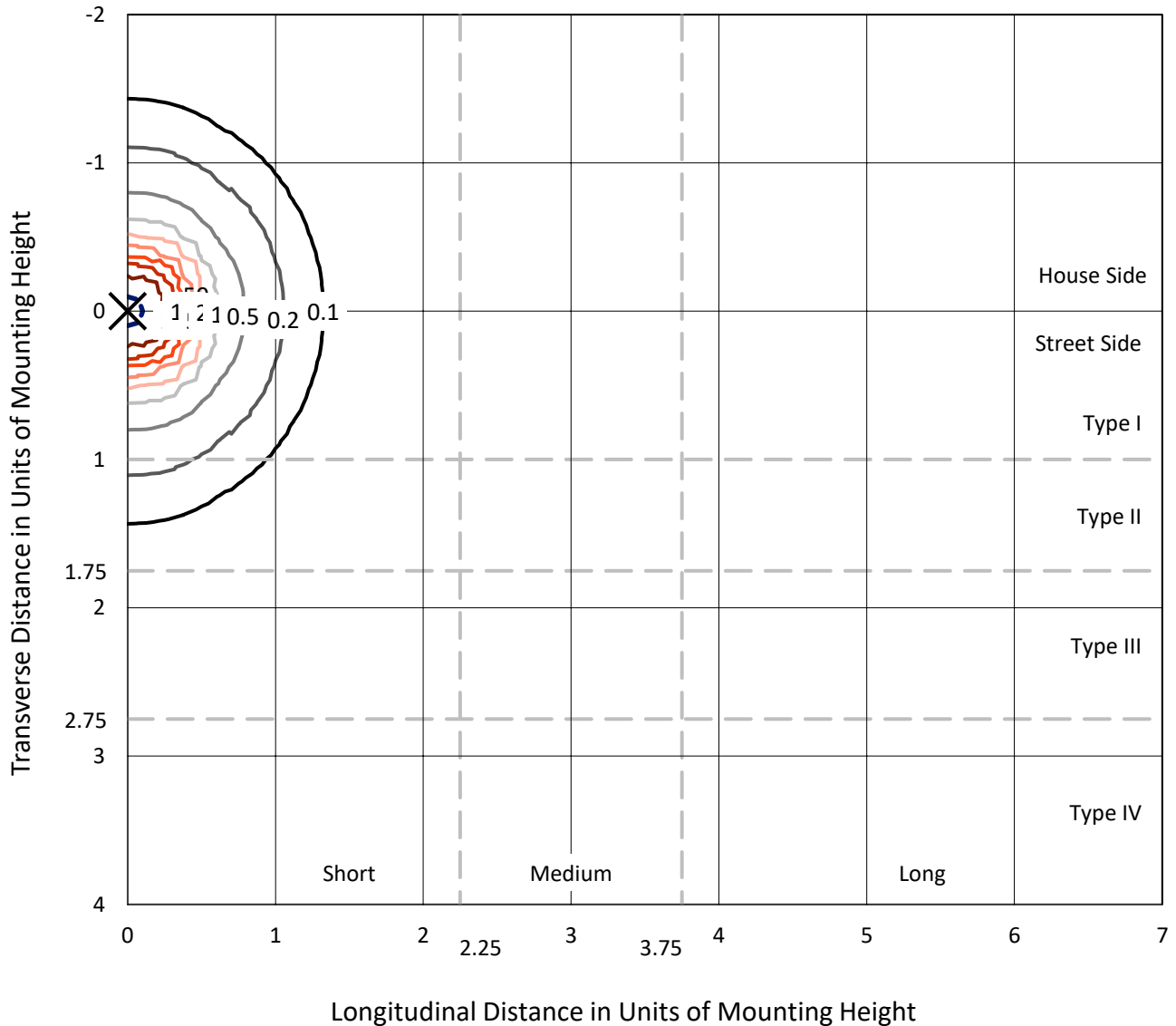
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

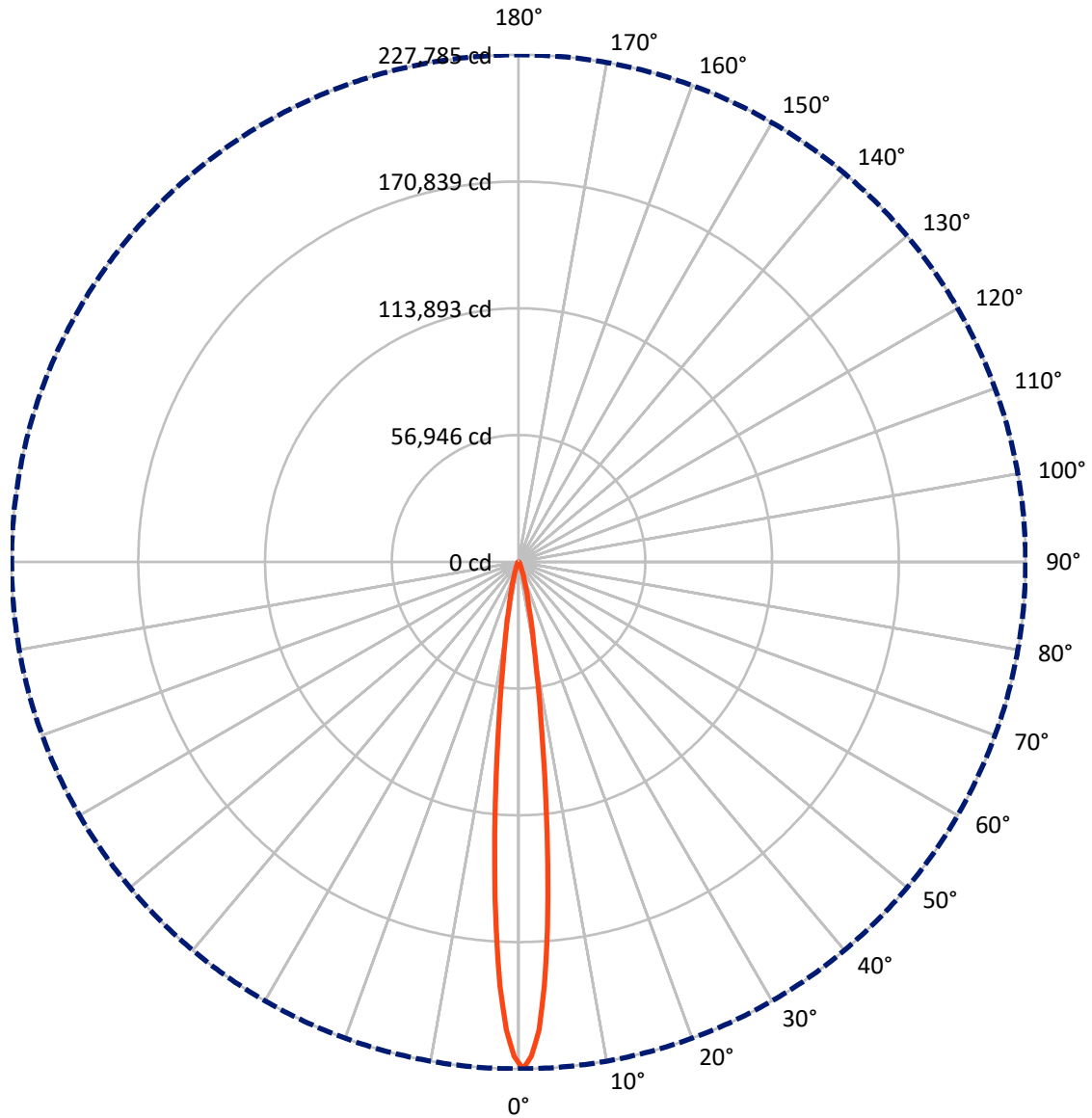
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 569.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8001.6	0.0	8001.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8001.6	0.0	8001.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16003.3	0.0	16003.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9755.3	61.0
10°-20°	4370.4	27.3
20°-30°	976.0	6.1
30°-40°	318.6	2.0
40°-50°	219.7	1.4
50°-60°	166.0	1.0
60°-70°	113.6	0.7
70°-80°	59.8	0.4
80°-90°	23.9	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°	16003.3	100.0
0°-180°	16003.3	100.0

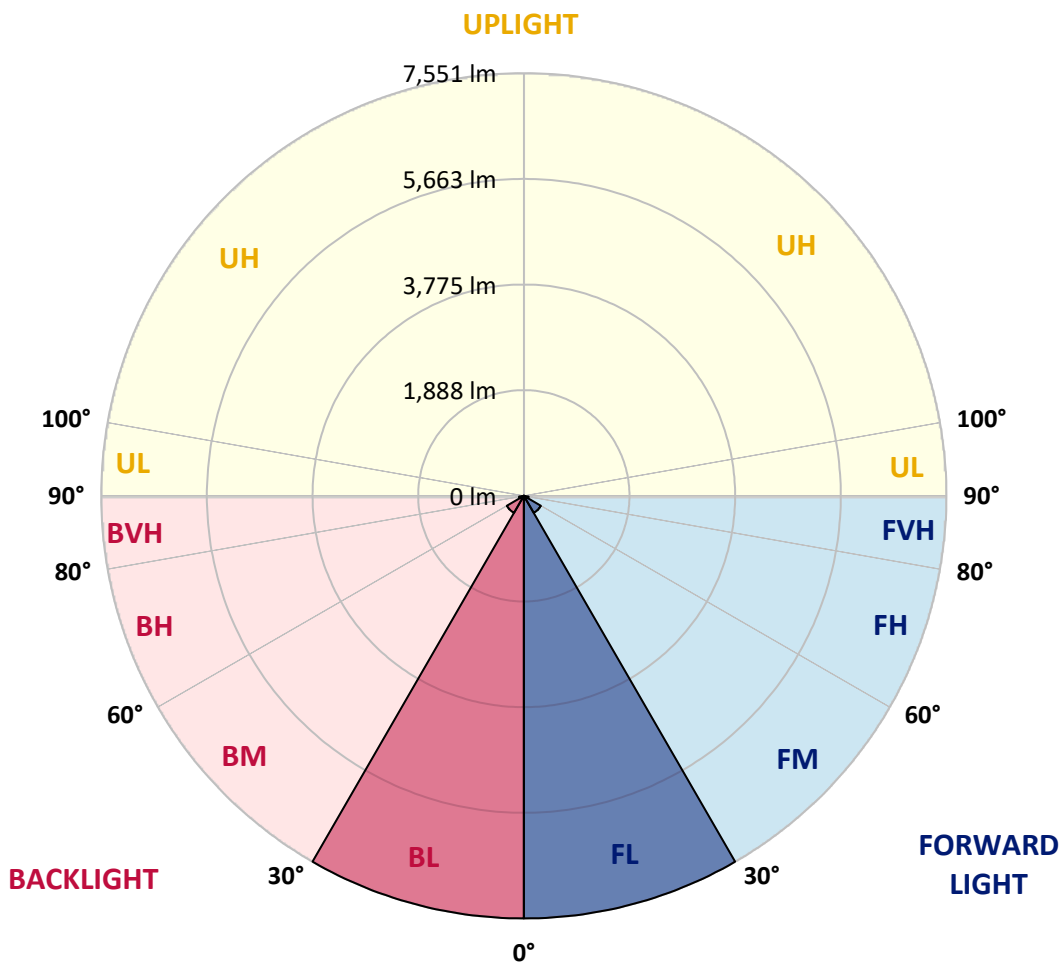


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7550.9	47.2			
FM (30°-60°)	352.1	2.2			
FH (60°-80°)	86.7	0.5			G0/660
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	7550.9	47.2	B5		
BM (30°-60°)	352.1	2.2	B1/1000		
BH (60°-80°)	86.7	0.5	B0/110		G0/660
BVH (80°-90°)	11.9	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°	227785.4	227785.4	227785.4	227785.4	227785.4	227785.4	227785.4	227785.4	227785.4	227785.4
1°	222130.0	222432.1	222095.8	223794.7	224495.9	224860.8	224903.5	225861.3	225123.0	225328.2
2°	210423.0	211095.7	209969.8	211058.7	213236.5	214060.3	212717.7	214376.7	213783.8	214128.7
3°	190751.8	191575.6	190019.2	191350.4	194152.4	194779.6	192579.0	194936.3	194876.5	195372.5
4°	165396.7	166733.6	164510.2	166086.5	167326.5	169510.0	167377.8	170060.1	170008.8	170869.7
5°	136615.3	138060.5	136127.9	137764.1	138938.5	139750.9	138969.8	141937.2	142125.3	143014.7
6°	108452.5	109800.8	107643.0	109205.0	111066.4	111399.9	111197.5	113751.6	114318.8	113626.2
7°	83465.1	83801.5	83462.3	84881.8	86375.5	86429.6	86691.9	88938.1	89436.9	89197.5
8°	63922.2	62382.9	63705.6	64458.1	64919.9	67040.6	67197.4	68329.0	69246.9	69312.5
9°	48657.8	47232.6	48763.3	49062.6	50123.0	52007.2	51770.6	53007.7	53583.5	53546.4
10°	37096.3	36372.2	37139.0	37469.7	38341.9	39938.2	40214.7	40781.9	41209.5	41488.9
12.5°	20130.1	20298.3	20743.0	21090.8	22265.2	22689.9	22860.9	22909.4	22906.5	22952.1
15°	12505.1	12641.9	12952.6	13582.6	14298.0	14825.4	14899.5	14625.9	14389.3	14352.2
17.5°	7798.9	7744.8	8474.5	9164.3	10025.2	10298.8	10013.8	9700.2	9378.1	9192.8
20°	4680.5	4717.6	4965.6	5273.4	5968.9	6442.1	6145.7	5826.4	5492.9	5273.4
22.5°	2659.5	2699.4	2807.7	2967.4	3232.5	3662.9	3474.7	3152.6	2916.0	2819.1
25°	1570.6	1570.6	1636.2	1707.4	1818.6	1918.4	1878.5	1707.4	1567.8	1527.9
27.5°	1017.6	1009.1	1031.9	1066.1	1117.4	1123.1	1077.5	1026.2	954.9	929.3
30°	744.0	746.8	744.0	758.2	755.4	735.4	706.9	709.8	681.3	678.4
32.5°	604.3	607.2	607.2	604.3	590.1	558.7	538.7	558.7	553.0	547.3
35°	501.7	504.5	533.0	530.2	507.4	473.2	458.9	481.7	498.8	473.2
37.5°	433.3	436.1	458.9	470.3	441.8	419.0	401.9	421.9	447.5	419.0
40°	382.0	384.8	390.5	393.4	379.1	367.7	359.2	364.9	376.3	362.0
42.5°	336.4	333.5	336.4	333.5	316.4	322.1	316.4	307.9	316.4	305.0
45°	293.6	293.6	293.6	285.0	267.9	279.3	273.6	265.1	267.9	259.4
47.5°	267.9	267.9	267.9	256.5	242.3	242.3	245.1	230.9	233.7	230.9
50°	242.3	242.3	248.0	236.6	225.2	216.6	219.5	208.1	210.9	208.1
52.5°	222.3	222.3	222.3	216.6	208.1	202.4	196.7	191.0	188.1	185.3
55°	213.8	213.8	210.9	193.8	191.0	185.3	173.9	171.0	165.3	162.5
57.5°	199.5	199.5	196.7	182.4	171.0	171.0	153.9	151.1	142.5	142.5
60°	176.7	176.7	173.9	171.0	156.8	148.2	136.8	131.1	122.6	119.7
62.5°	168.2	168.2	162.5	148.2	145.4	131.1	119.7	108.3	102.6	96.9
65°	156.8	153.9	151.1	136.8	125.4	116.9	102.6	88.4	82.7	71.3
67.5°	139.7	139.7	136.8	125.4	114.0	99.8	85.5	74.1	59.9	51.3
70°	122.6	119.7	119.7	108.3	99.8	88.4	68.4	57.0	42.8	34.2
72.5°	102.6	102.6	99.8	91.2	85.5	77.0	59.9	45.6	28.5	22.8
75°	82.7	82.7	79.8	74.1	71.3	62.7	51.3	39.9	22.8	11.4
77.5°	68.4	65.6	65.6	59.9	57.0	51.3	42.8	31.4	17.1	8.6
80°	51.3	51.3	54.2	51.3	45.6	42.8	37.1	28.5	14.3	5.7
82.5°	37.1	37.1	39.9	39.9	39.9	37.1	37.1	28.5	14.3	2.9
85°	25.7	25.7	31.4	28.5	28.5	31.4	45.6	37.1	11.4	2.9
87.5°	14.3	14.3	14.3	11.4	11.4	14.3	17.1	14.3	5.7	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
227785.4
223820.3
212897.3
194041.3
169358.9
141315.8
113697.4
88869.7
68485.8
54418.7
41654.2
22989.2
14238.2
9164.3
5321.9
2830.5
1522.2
929.3
675.6
535.9
467.5
416.2
356.3
305.0
259.4
230.9
208.1
185.3
159.6
142.5
114.0
94.1
68.4
51.3
34.2
20.0
11.4
5.7
2.9
2.9
2.9
2.9
0.0

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