

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: P635992

Luminaire Tested: **IFLD-S-SA3E-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635992
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16226.8 lumens
Efficiency: N/A
Efficacy: 69.9 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

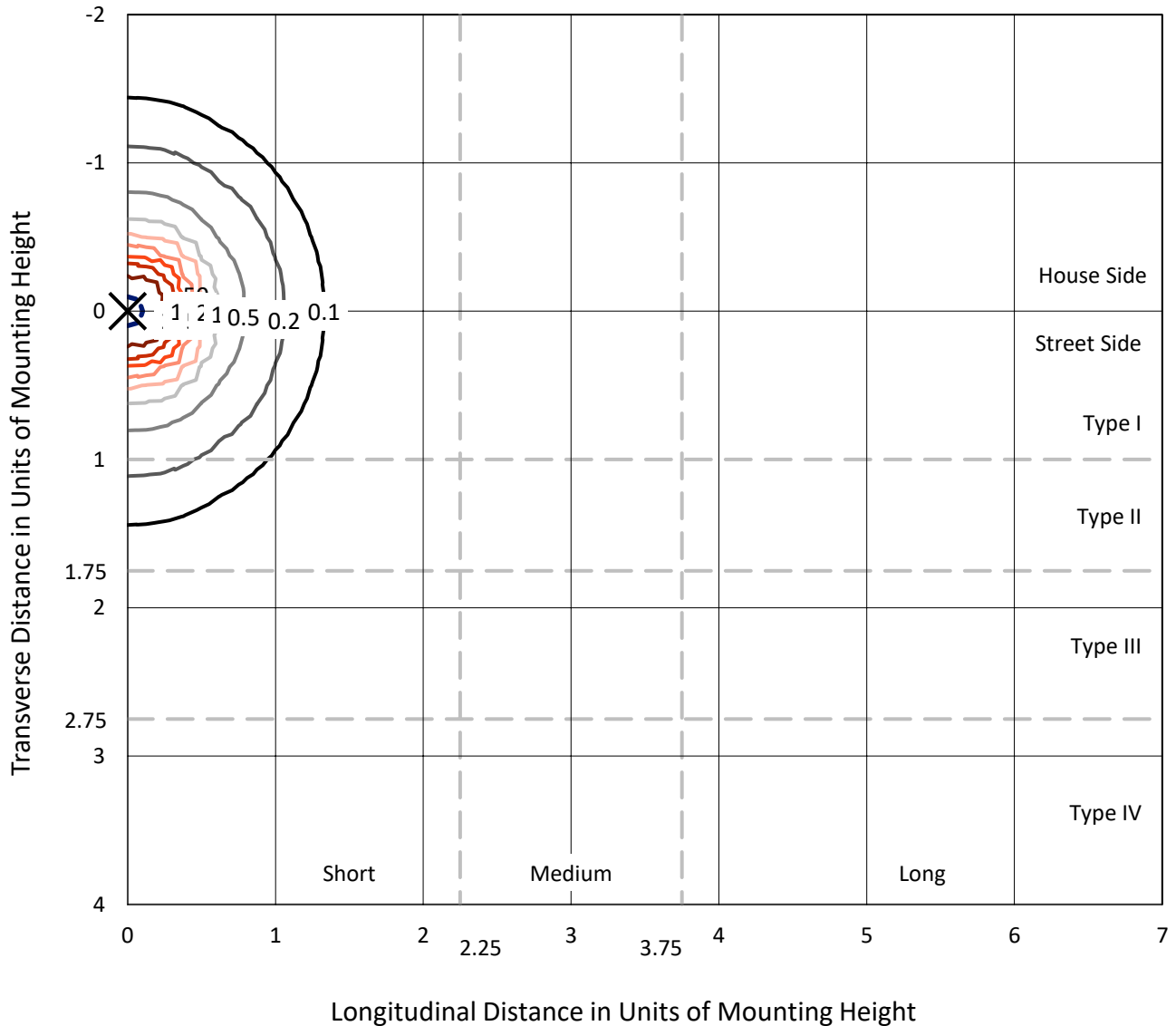
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

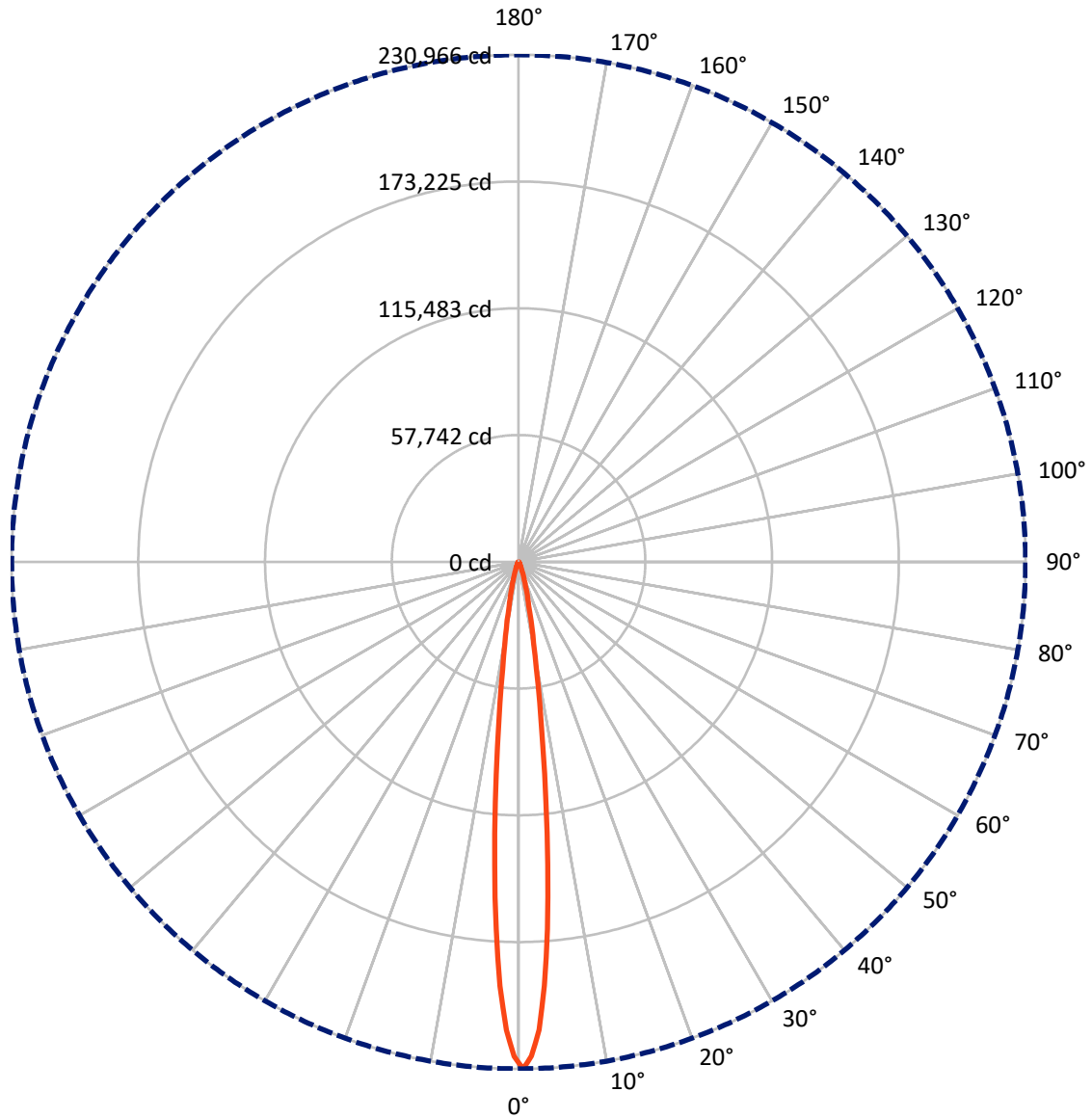
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 577.4 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	8113.4	0.0	8113.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8113.4	0.0	8113.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	16226.8	0.0	16226.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9891.5	61.0
10°-20°	4431.5	27.3
20°-30°	989.6	6.1
30°-40°	323.0	2.0
40°-50°	222.8	1.4
50°-60°	168.3	1.0
60°-70°	115.2	0.7
70°-80°	60.7	0.4
80°-90°	24.2	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°	16226.8	100.0
0°-180°	16226.8	100.0

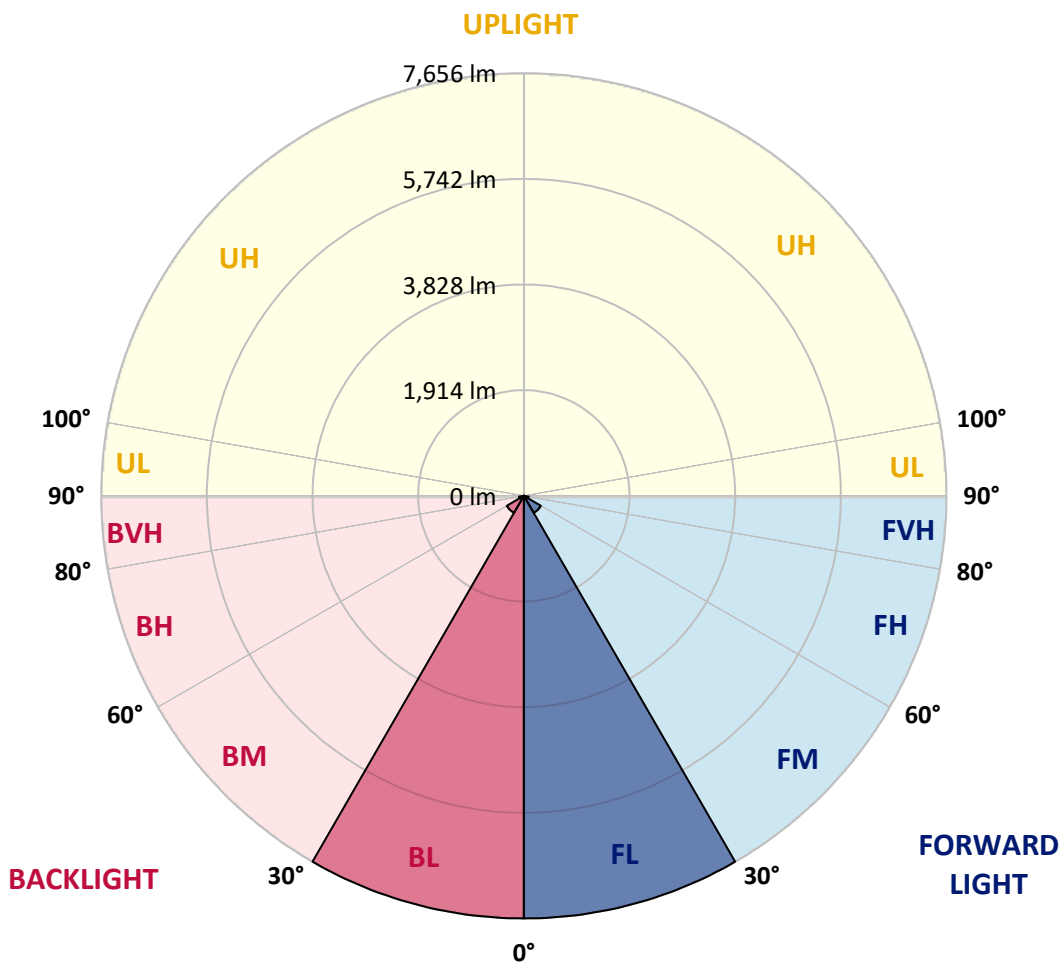


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7656.3	47.2			
FM (30°-60°)	357.0	2.2			
FH (60°-80°)	87.9	0.5			G0/660
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	7656.3	47.2	B5		
BM (30°-60°)	357.0	2.2	B1/1000		
BH (60°-80°)	87.9	0.5	B0/110		G0/660
BVH (80°-90°)	12.1	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°	230966.2	230966.2	230966.2	230966.2	230966.2	230966.2	230966.2	230966.2	230966.2	230966.2
1°	225231.9	225538.2	225197.2	226919.8	227630.8	228000.8	228044.1	229015.3	228266.7	228474.8
2°	213361.4	214043.5	212901.9	214006.0	216214.1	217049.4	215688.1	217370.3	216769.1	217118.8
3°	193415.5	194250.8	192672.7	194022.5	196863.6	197499.5	195268.2	197658.5	197597.8	198100.7
4°	167706.4	169061.9	166807.5	168405.8	169663.1	171877.0	169715.1	172434.9	172382.9	173255.7
5°	138523.1	139988.4	138028.8	139687.9	140878.7	141702.4	140910.5	143919.2	144110.0	145011.8
6°	109967.0	111334.1	109146.1	110730.0	112617.4	112955.5	112750.3	115340.0	115915.2	115212.9
7°	84630.7	84971.7	84627.8	86067.1	87581.7	87636.6	87902.5	90180.0	90685.8	90443.0
8°	64814.8	63254.1	64595.2	65358.2	65826.4	67976.8	68135.8	69283.2	70213.9	70280.4
9°	49337.3	47892.2	49444.2	49747.7	50822.9	52733.4	52493.5	53747.9	54331.7	54294.2
10°	37614.3	36880.1	37657.6	37992.9	38877.3	40495.9	40776.3	41351.4	41785.0	42068.2
12.5°	20411.2	20581.8	21032.7	21385.3	22576.1	23006.7	23180.1	23229.3	23226.4	23272.6
15°	12679.7	12818.4	13133.5	13772.2	14497.7	15032.4	15107.6	14830.1	14590.2	14552.6
17.5°	7907.8	7852.9	8592.8	9292.3	10165.2	10442.6	10153.6	9835.7	9509.1	9321.2
20°	4745.9	4783.4	5034.9	5347.0	6052.3	6532.1	6231.5	5907.8	5569.6	5347.0
22.5°	2696.6	2737.1	2846.9	3008.8	3277.6	3714.0	3523.3	3196.7	2956.8	2858.5
25°	1592.6	1592.6	1659.0	1731.3	1844.0	1945.2	1904.7	1731.3	1589.7	1549.2
27.5°	1031.8	1023.2	1046.3	1081.0	1133.0	1138.8	1092.5	1040.5	968.2	942.2
30°	754.4	757.3	754.4	768.8	765.9	745.7	716.8	719.7	690.8	687.9
32.5°	612.7	615.6	615.6	612.7	598.3	566.5	546.3	566.5	560.7	554.9
35°	508.7	511.6	540.5	537.6	514.5	479.8	465.3	488.5	505.8	479.8
37.5°	439.3	442.2	465.3	476.9	448.0	424.9	407.5	427.8	453.8	424.9
40°	387.3	390.2	396.0	398.9	384.4	372.8	364.2	370.0	381.5	367.1
42.5°	341.1	338.2	341.1	338.2	320.8	326.6	320.8	312.2	320.8	309.3
45°	297.7	297.7	297.7	289.0	271.7	283.2	277.5	268.8	271.7	263.0
47.5°	271.7	271.7	271.7	260.1	245.7	245.7	248.6	234.1	237.0	234.1
50°	245.7	245.7	251.5	239.9	228.3	219.7	222.6	211.0	213.9	211.0
52.5°	225.4	225.4	225.4	219.7	211.0	205.2	199.4	193.6	190.8	187.9
55°	216.8	216.8	213.9	196.5	193.6	187.9	176.3	173.4	167.6	164.7
57.5°	202.3	202.3	199.4	185.0	173.4	173.4	156.1	153.2	144.5	144.5
60°	179.2	179.2	176.3	173.4	159.0	150.3	138.7	133.0	124.3	121.4
62.5°	170.5	170.5	164.7	150.3	147.4	133.0	121.4	109.8	104.1	98.3
65°	159.0	156.1	153.2	138.7	127.2	118.5	104.1	89.6	83.8	72.3
67.5°	141.6	141.6	138.7	127.2	115.6	101.2	86.7	75.1	60.7	52.0
70°	124.3	121.4	121.4	109.8	101.2	89.6	69.4	57.8	43.4	34.7
72.5°	104.1	104.1	101.2	92.5	86.7	78.0	60.7	46.2	28.9	23.1
75°	83.8	83.8	80.9	75.1	72.3	63.6	52.0	40.5	23.1	11.6
77.5°	69.4	66.5	66.5	60.7	57.8	52.0	43.4	31.8	17.3	8.7
80°	52.0	52.0	54.9	52.0	46.2	43.4	37.6	28.9	14.5	5.8
82.5°	37.6	37.6	40.5	40.5	40.5	37.6	37.6	28.9	14.5	2.9
85°	26.0	26.0	31.8	28.9	28.9	31.8	46.2	37.6	11.6	2.9
87.5°	14.5	14.5	14.5	11.6	11.6	14.5	17.3	14.5	5.8	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°
230966.2
226945.8
215870.2
196750.9
171723.9
143289.2
115285.1
90110.7
69442.2
55178.6
42235.9
23310.2
14437.0
9292.3
5396.2
2870.1
1543.4
942.2
685.0
543.4
474.0
422.0
361.3
309.3
263.0
234.1
211.0
187.9
161.9
144.5
115.6
95.4
69.4
52.0
34.7
20.2
11.6
5.8
2.9
2.9
2.9
2.9
0.0

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