

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: P635995

Luminaire Tested: **IFLD-S-SA6C-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635995
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24996.9 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

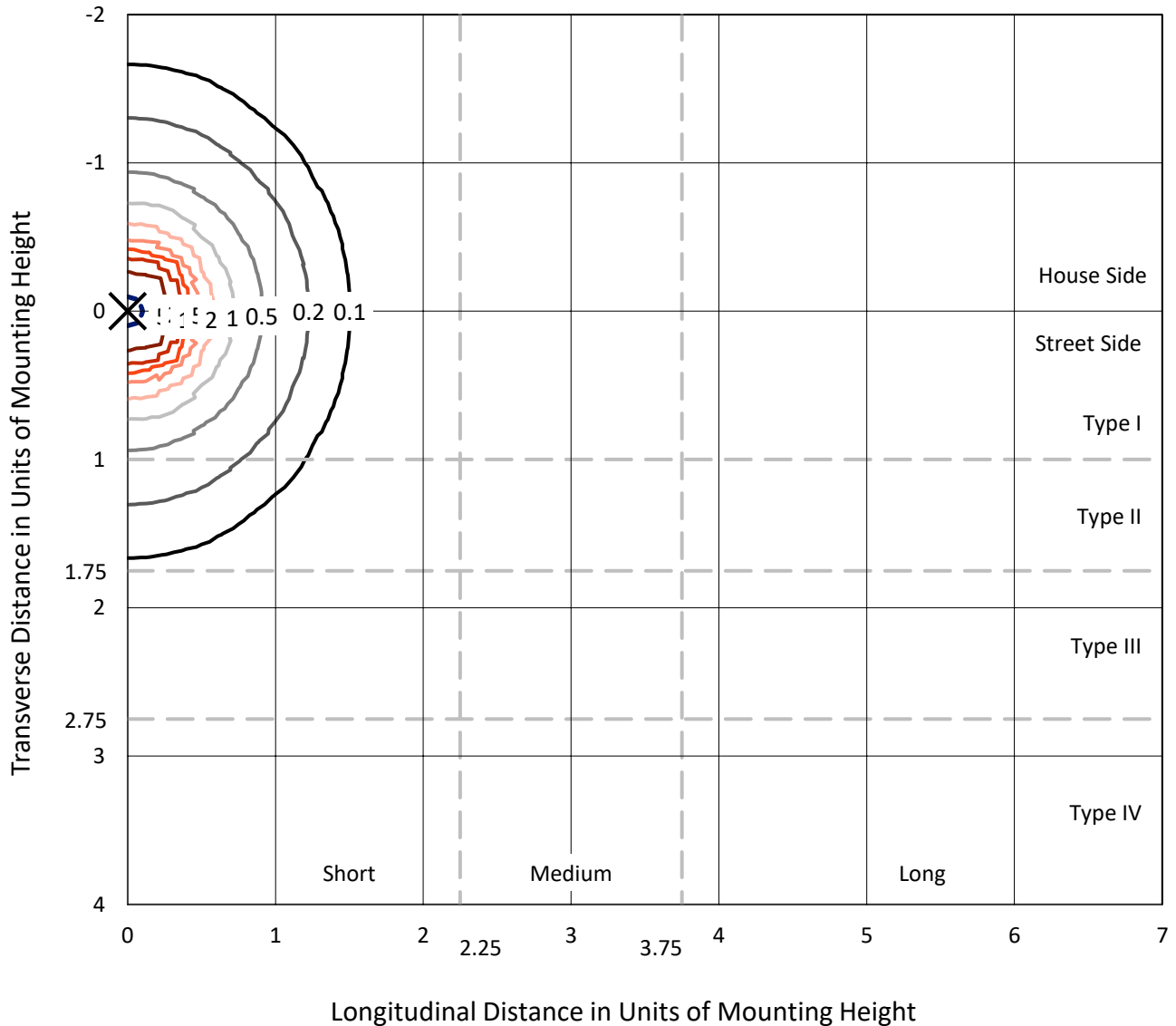
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

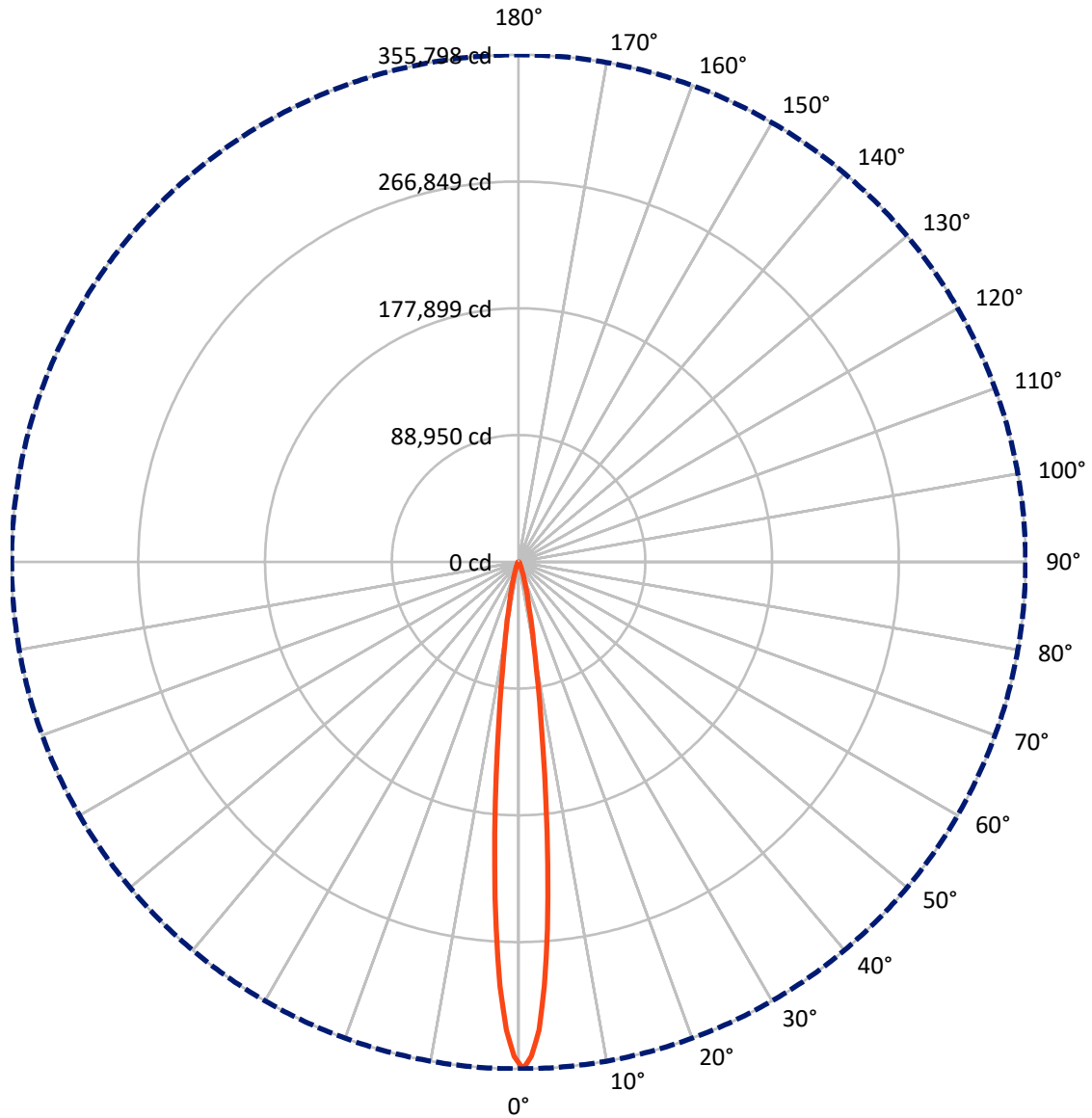
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 889.5 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	12498.4	0.0	12498.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12498.4	0.0	12498.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	24996.9	0.0	24996.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15237.6	61.0
10°-20°	6826.6	27.3
20°-30°	1524.5	6.1
30°-40°	497.6	2.0
40°-50°	343.2	1.4
50°-60°	259.3	1.0
60°-70°	177.4	0.7
70°-80°	93.4	0.4
80°-90°	37.3	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°	24996.9	100.0
0°-180°	24996.9	100.0

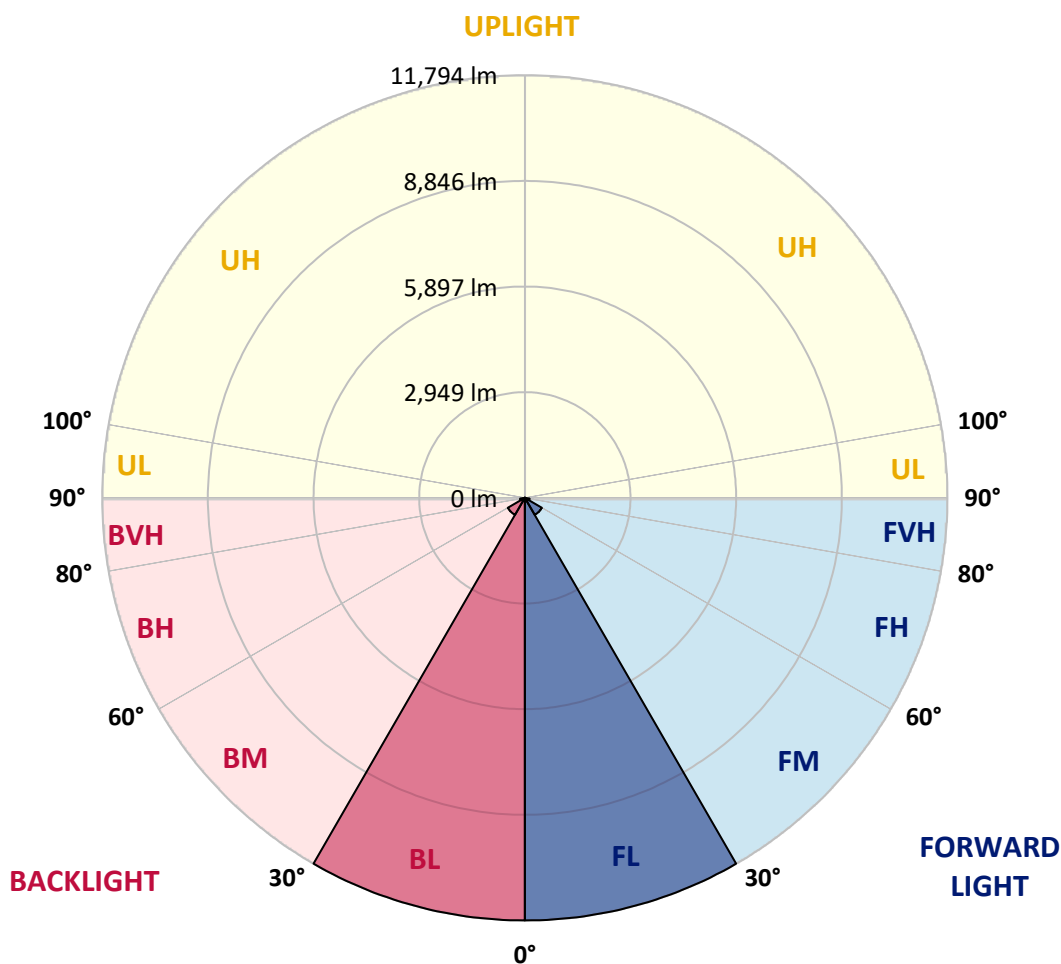


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11794.4	47.2			
FM (30°-60°)	550.0	2.2			
FH (60°-80°)	135.4	0.5			G0/660
FVH (80°-90°)	18.6	0.1			G1/100
BL (0°-30°)	11794.4	47.2	B5		
BM (30°-60°)	550.0	2.2	B1/1000		
BH (60°-80°)	135.4	0.5	B1/500		G0/660
BVH (80°-90°)	18.6	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°	355798.1	355798.1	355798.1	355798.1	355798.1	355798.1	355798.1	355798.1	355798.1	355798.1
1°	346964.5	347436.4	346911.1	349564.7	350660.0	351229.9	351296.7	352792.7	351639.5	351960.1
2°	328678.4	329729.1	327970.4	329671.3	333072.9	334359.7	332262.6	334853.9	333927.8	334466.5
3°	297952.1	299238.9	296807.9	298887.2	303263.9	304243.4	300806.1	304488.3	304394.8	305169.5
4°	258347.8	260436.0	256963.1	259425.3	261362.1	264772.6	261442.2	265632.0	265551.8	266896.4
5°	213391.6	215649.0	212630.2	215185.9	217020.3	218289.3	217069.3	221704.3	221998.1	223387.3
6°	169401.6	171507.6	168137.1	170577.0	173484.5	174005.4	173689.3	177678.7	178564.7	177482.8
7°	130371.6	130897.0	130367.1	132584.5	134917.5	135002.1	135411.7	138920.3	139699.4	139325.4
8°	99845.7	97441.4	99507.4	100682.8	101404.1	104716.7	104961.6	106729.2	108162.9	108265.3
9°	76003.0	73776.8	76167.7	76635.2	78291.5	81234.6	80865.0	82797.4	83696.8	83638.9
10°	57943.9	56813.0	58010.7	58527.2	59889.6	62383.0	62814.9	63700.9	64368.8	64805.1
12.5°	31443.1	31705.8	32400.3	32943.5	34777.9	35441.3	35708.5	35784.2	35779.7	35851.0
15°	19532.8	19746.5	20231.8	21215.8	22333.4	23157.1	23272.8	22845.4	22475.9	22418.0
17.5°	12181.8	12097.3	13237.1	14314.6	15659.2	16086.6	15641.4	15151.6	14648.5	14359.1
20°	7310.9	7368.8	7756.1	8237.0	9323.4	10062.5	9599.4	9100.8	8579.8	8237.0
22.5°	4154.1	4216.5	4385.6	4635.0	5049.1	5721.4	5427.5	4924.4	4554.8	4403.5
25°	2453.3	2453.3	2555.7	2667.0	2840.7	2996.5	2934.2	2667.0	2448.8	2386.5
27.5°	1589.5	1576.2	1611.8	1665.2	1745.4	1754.3	1683.0	1602.9	1491.6	1451.5
30°	1162.1	1166.5	1162.1	1184.3	1179.9	1148.7	1104.2	1108.7	1064.1	1059.7
32.5°	943.9	948.4	948.4	943.9	921.7	872.7	841.5	872.7	863.8	854.9
35°	783.6	788.1	832.6	828.2	792.5	739.1	716.8	752.5	779.2	739.1
37.5°	676.8	681.2	716.8	734.7	690.1	654.5	627.8	659.0	699.0	654.5
40°	596.6	601.1	610.0	614.4	592.2	574.4	561.0	569.9	587.7	565.5
42.5°	525.4	520.9	525.4	520.9	494.2	503.1	494.2	480.9	494.2	476.4
45°	458.6	458.6	458.6	445.2	418.5	436.3	427.4	414.1	418.5	405.2
47.5°	418.5	418.5	418.5	400.7	378.5	378.5	382.9	360.6	365.1	360.6
50°	378.5	378.5	387.4	369.6	351.7	338.4	342.8	325.0	329.5	325.0
52.5°	347.3	347.3	347.3	338.4	325.0	316.1	307.2	298.3	293.9	289.4
55°	333.9	333.9	329.5	302.8	298.3	289.4	271.6	267.1	258.2	253.8
57.5°	311.7	311.7	307.2	285.0	267.1	267.1	240.4	236.0	222.6	222.6
60°	276.1	276.1	271.6	267.1	244.9	231.5	213.7	204.8	191.5	187.0
62.5°	262.7	262.7	253.8	231.5	227.1	204.8	187.0	169.2	160.3	151.4
65°	244.9	240.4	236.0	213.7	195.9	182.5	160.3	138.0	129.1	111.3
67.5°	218.2	218.2	213.7	195.9	178.1	155.8	133.6	115.8	93.5	80.1
70°	191.5	187.0	187.0	169.2	155.8	138.0	106.9	89.0	66.8	53.4
72.5°	160.3	160.3	155.8	142.5	133.6	120.2	93.5	71.2	44.5	35.6
75°	129.1	129.1	124.7	115.8	111.3	98.0	80.1	62.3	35.6	17.8
77.5°	106.9	102.4	102.4	93.5	89.0	80.1	66.8	49.0	26.7	13.4
80°	80.1	80.1	84.6	80.1	71.2	66.8	57.9	44.5	22.3	8.9
82.5°	57.9	57.9	62.3	62.3	62.3	57.9	57.9	44.5	22.3	4.5
85°	40.1	40.1	49.0	44.5	44.5	49.0	71.2	57.9	17.8	4.5
87.5°	22.3	22.3	22.3	17.8	17.8	22.3	26.7	22.3	8.9	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

355798.1
349604.8
332543.1
303090.2
264536.7
220733.7
177594.1
138813.4
106974.1
85001.3
65063.4
35908.8
22239.9
14314.6
8312.7
4421.3
2377.6
1451.5
1055.2
837.1
730.2
650.1
556.6
476.4
405.2
360.6
325.0
289.4
249.3
222.6
178.1
146.9
106.9
80.1
53.4
31.2
17.8
8.9
4.5
4.5
4.5
4.5
0.0

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