

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: P636140

Luminaire Tested: **IFLD-S-SA6C-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636140
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-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25174.5 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

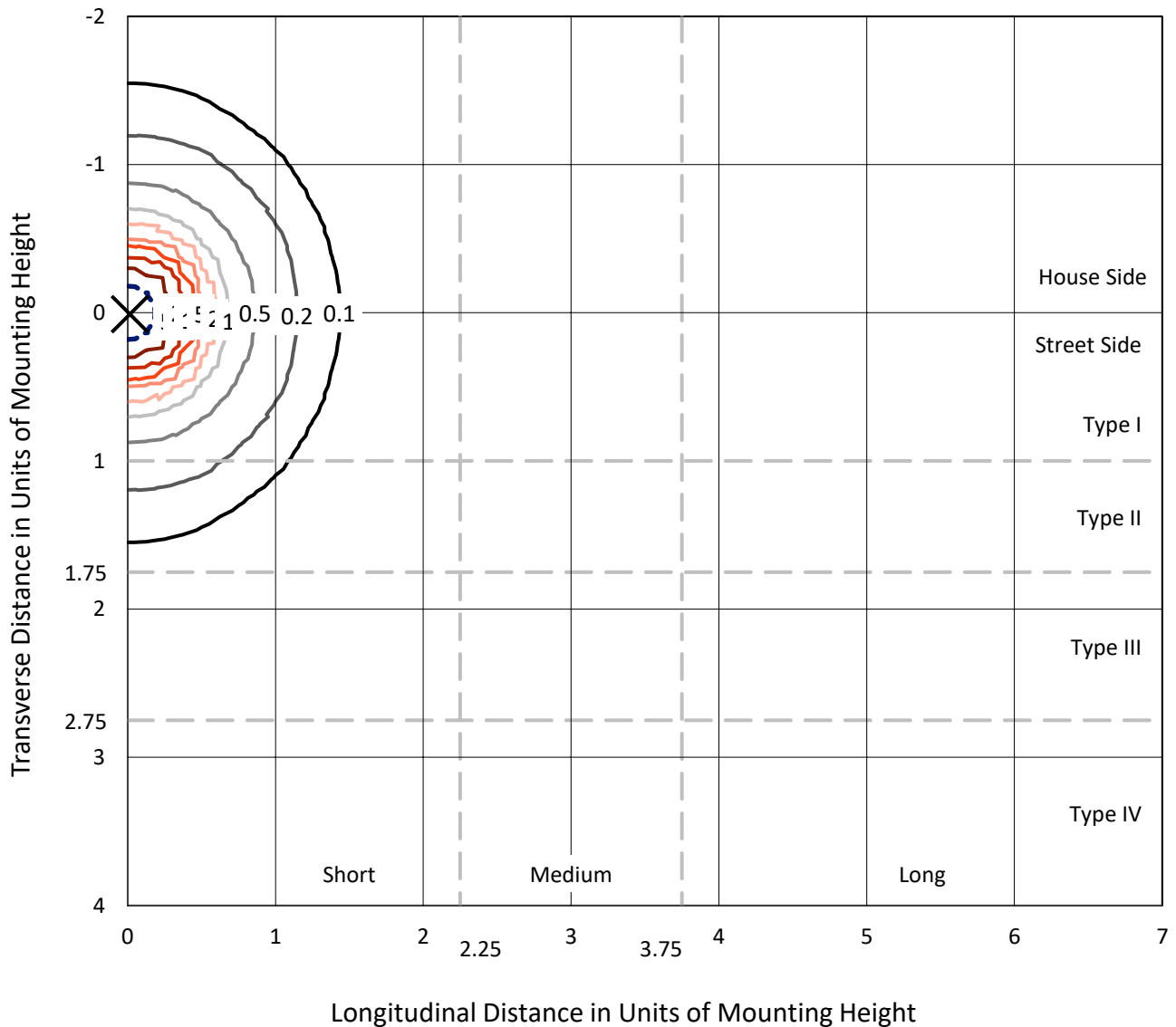
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

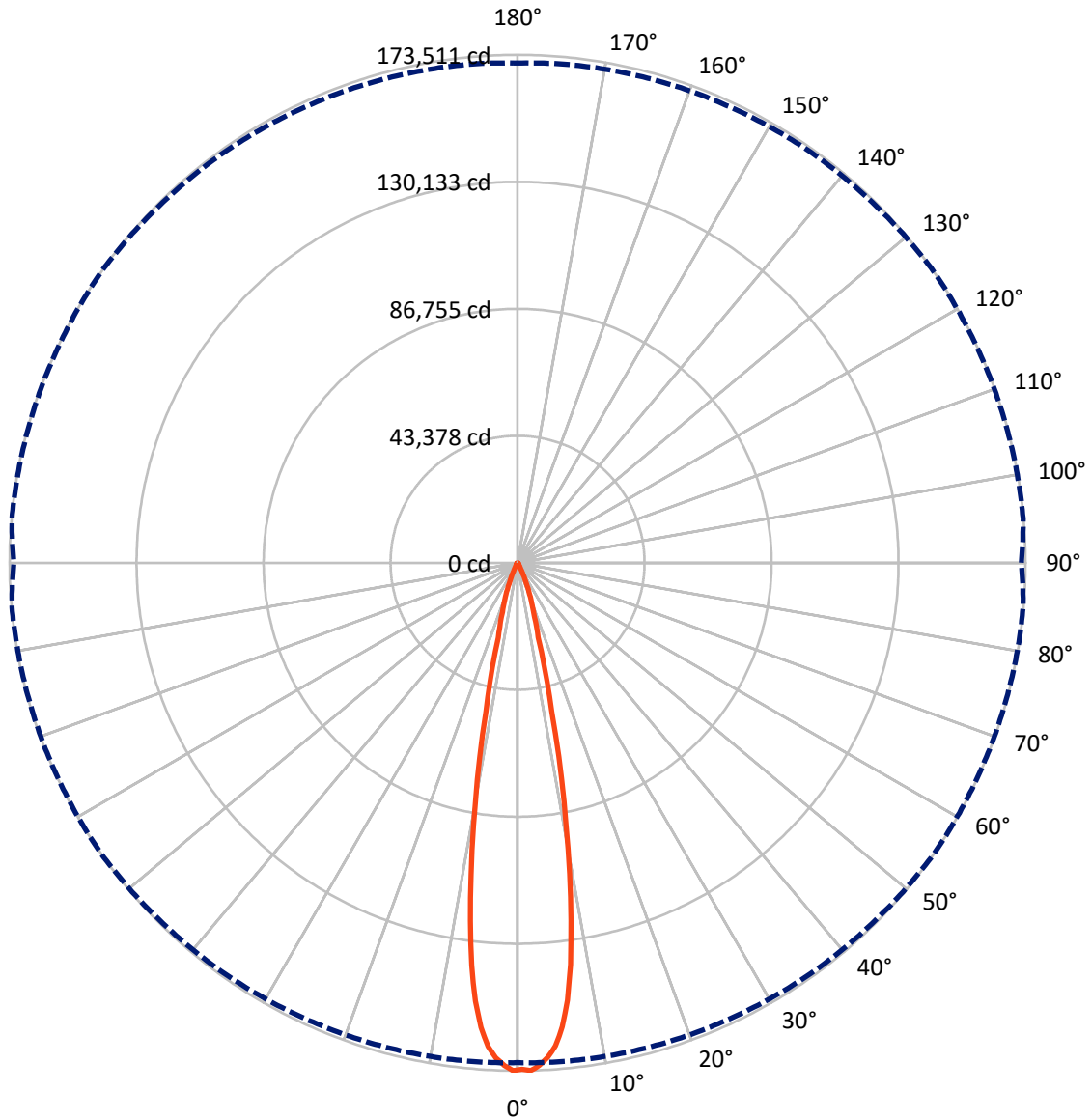
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 432.7 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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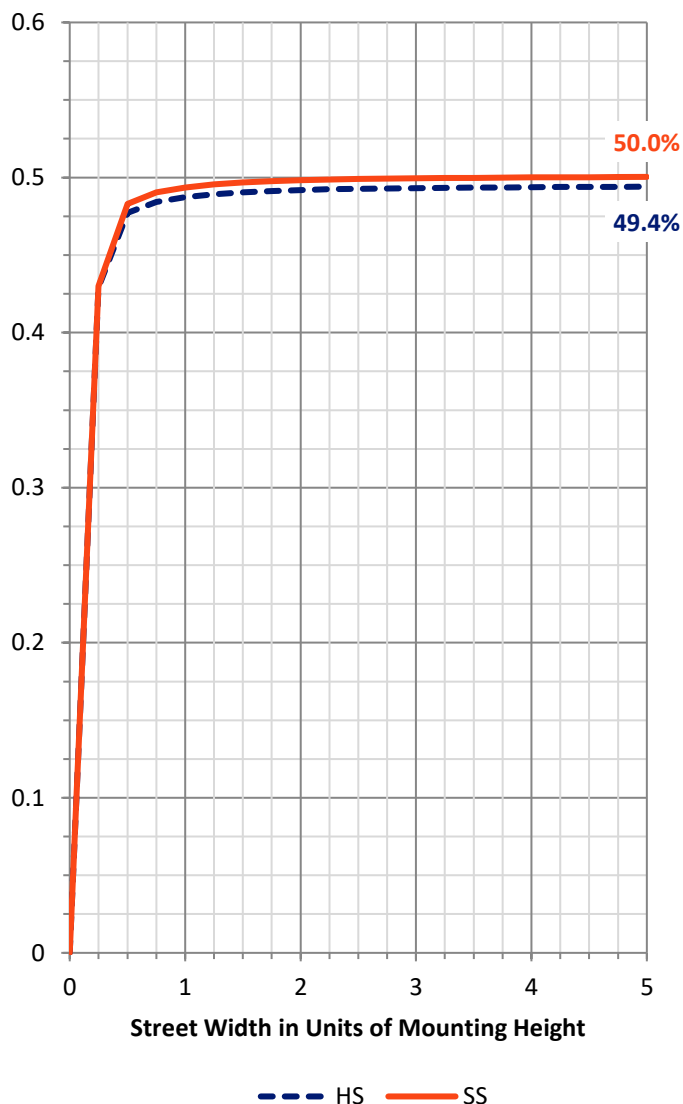
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12587.3	0.0	12587.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12587.3	0.0	12587.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	25174.5	0.0	25174.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12790.5	50.8
10°-20°	9064.8	36.0
20°-30°	2124.0	8.4
30°-40°	443.9	1.8
40°-50°	286.4	1.1
50°-60°	212.1	0.8
60°-70°	144.2	0.6
70°-80°	77.0	0.3
80°-90°	31.5	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°	25174.5	100.0
0°-180°	25174.5	100.0

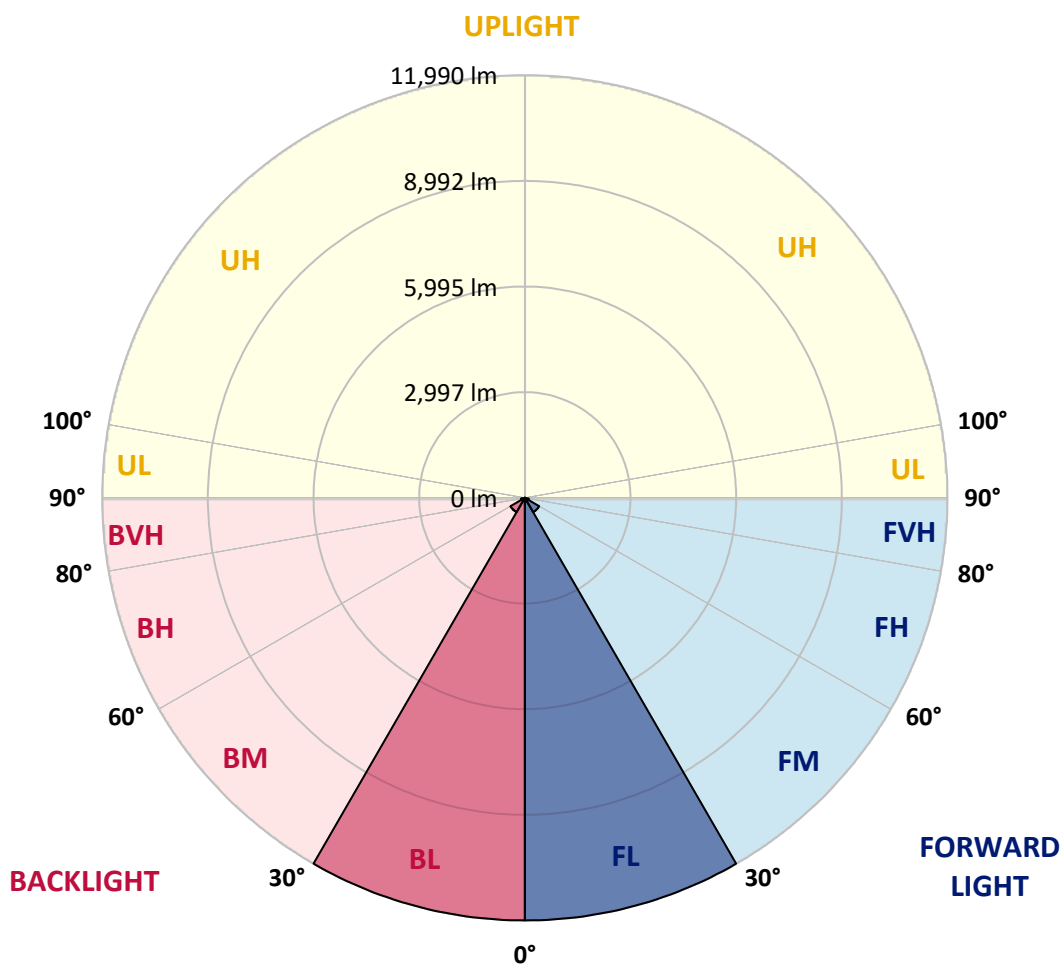


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11989.7	47.6			
FM (30°-60°)	471.2	1.9			
FH (60°-80°)	110.6	0.4			G0/660
FVH (80°-90°)	15.8	0.1			G1/100
BL (0°-30°)	11989.7	47.6	B5		
BM (30°-60°)	471.2	1.9	B1/1000		
BH (60°-80°)	110.6	0.4	B1/500		G0/660
BVH (80°-90°)	15.8	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°	173065.6	173065.6	173065.6	173065.6	173065.6	173065.6	173065.6	173065.6	173065.6	173065.6
1°	170737.2	171053.3	171440.6	171792.4	172322.2	172754.0	173510.9	173350.6	173328.3	173359.5
2°	167429.3	167825.6	168422.1	168773.8	170140.6	170701.6	171845.8	172184.1	171912.6	172219.8
3°	162474.2	162799.2	163734.1	164424.2	166196.1	167709.8	169241.3	169748.8	169432.8	169575.2
4°	156575.1	156909.1	158039.9	159446.7	162006.7	163685.1	165519.4	165973.5	164940.6	165011.8
5°	149554.2	149710.0	151094.6	152376.8	155439.9	157474.5	159215.2	159357.7	158413.9	158053.2
6°	141656.2	141375.8	142649.0	143192.2	146998.7	149073.4	150346.7	150182.0	149465.2	149158.0
7°	132271.3	131888.4	132916.8	132623.0	135993.2	137177.4	138401.8	137840.8	137270.9	137978.8
8°	121412.6	121198.9	120535.6	121737.6	122405.4	123465.0	123460.6	123135.6	123117.8	124297.6
9°	105625.6	107597.8	107014.6	108274.5	108105.4	108056.4	107731.4	107522.1	106631.7	107989.6
10°	88289.2	89580.3	90564.2	92443.0	92077.9	92594.3	90786.8	91094.0	90501.9	91623.8
12.5°	45700.6	47152.0	48002.3	49435.9	51011.9	52623.6	52102.7	51564.0	50758.1	51746.5
15°	22496.4	23070.7	23342.2	24798.1	25920.0	26325.1	26387.5	25911.1	25706.3	25920.0
17.5°	13805.9	14006.2	14794.3	16468.2	17438.8	17679.2	17523.4	17002.5	16419.3	16174.4
20°	9994.9	10052.8	10351.1	10676.1	11971.6	12648.4	12399.0	11887.0	11348.3	11094.6
22.5°	6526.7	6584.6	6682.6	6860.7	7207.9	8044.9	7773.3	7426.1	7061.0	6985.3
25°	3695.2	3695.2	3797.6	3980.2	4238.4	4300.7	4354.1	3984.6	3815.4	3739.7
27.5°	2061.3	2074.7	2096.9	2168.2	2297.3	2283.9	2226.0	2128.1	2012.3	1892.1
30°	1139.7	1153.1	1166.4	1184.3	1206.5	1166.4	1130.8	1113.0	1064.0	1050.7
32.5°	854.8	854.8	863.7	859.3	837.0	788.0	765.8	792.5	788.0	765.8
35°	703.4	703.4	712.3	730.1	685.6	650.0	632.2	667.8	667.8	654.5
37.5°	574.3	578.8	583.2	605.5	592.1	552.1	547.6	556.5	561.0	556.5
40°	503.1	498.6	498.6	503.1	494.2	485.3	476.4	471.9	476.4	471.9
42.5°	436.3	431.9	440.8	431.9	414.0	418.5	418.5	405.1	409.6	400.7
45°	382.9	378.4	382.9	374.0	360.6	365.1	365.1	347.3	347.3	342.8
47.5°	338.4	338.4	338.4	342.8	320.5	316.1	320.5	316.1	302.7	298.3
50°	293.8	298.3	302.7	311.6	289.4	280.5	280.5	280.5	271.6	267.1
52.5°	271.6	276.0	276.0	276.0	262.7	253.8	253.8	249.3	244.9	240.4
55°	262.7	262.7	262.7	244.9	240.4	236.0	222.6	218.2	213.7	213.7
57.5°	249.3	249.3	244.9	231.5	218.2	218.2	200.3	195.9	191.4	191.4
60°	222.6	222.6	222.6	218.2	200.3	195.9	178.1	169.2	164.7	164.7
62.5°	204.8	204.8	204.8	187.0	182.5	169.2	155.8	142.5	138.0	129.1
65°	187.0	187.0	187.0	169.2	160.3	146.9	129.1	115.8	106.8	93.5
67.5°	173.6	173.6	169.2	155.8	142.5	124.7	106.8	93.5	75.7	66.8
70°	151.4	151.4	146.9	138.0	124.7	111.3	89.0	71.2	57.9	44.5
72.5°	129.1	129.1	124.7	115.8	106.8	93.5	75.7	62.3	40.1	31.2
75°	106.8	106.8	102.4	93.5	89.0	80.1	66.8	49.0	31.2	13.4
77.5°	89.0	89.0	84.6	80.1	75.7	66.8	57.9	40.1	22.3	8.9
80°	66.8	71.2	71.2	71.2	62.3	57.9	53.4	40.1	17.8	4.5
82.5°	49.0	53.4	53.4	53.4	49.0	44.5	49.0	35.6	17.8	4.5
85°	35.6	35.6	40.1	40.1	40.1	40.1	53.4	40.1	13.4	4.5
87.5°	17.8	17.8	17.8	17.8	17.8	22.3	26.7	22.3	8.9	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°
173065.6
172117.4
171053.3
168506.7
163952.2
157300.8
148467.9
137760.7
121025.3
105456.4
88747.7
49070.8
24922.7
15831.6
10898.7
6829.5
3677.4
1896.6
1050.7
752.4
650.0
556.5
476.4
405.1
342.8
298.3
262.7
236.0
209.2
191.4
160.3
120.2
93.5
62.3
44.5
26.7
13.4
4.5
4.5
4.5
4.5
0.0
0.0

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