

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: P525254

Luminaire Tested: **IFLD-S-SA6D-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525254
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

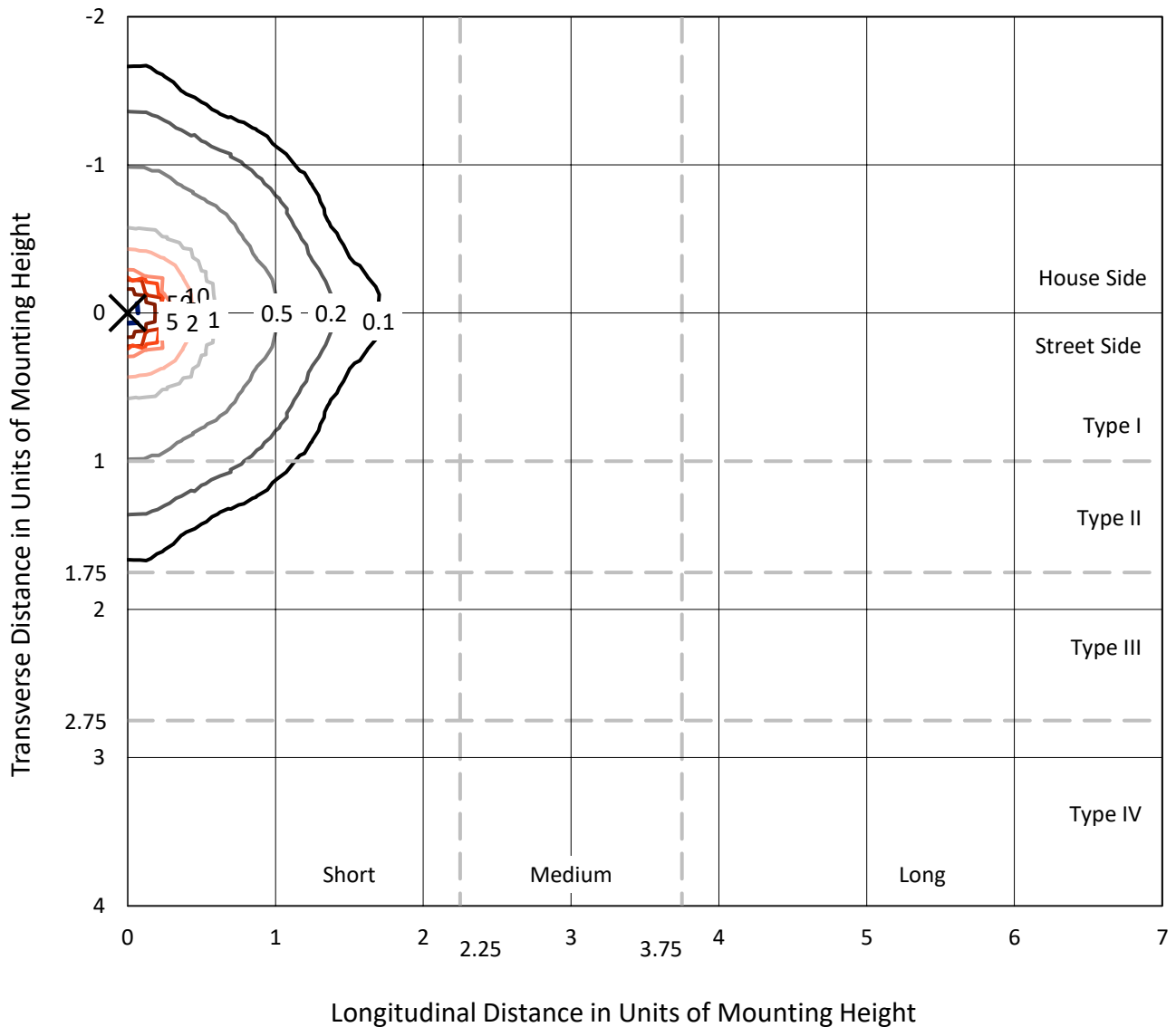
Lumens per Lamp: N/A
Luminaire Lumens: 16703.3 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 368.2
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

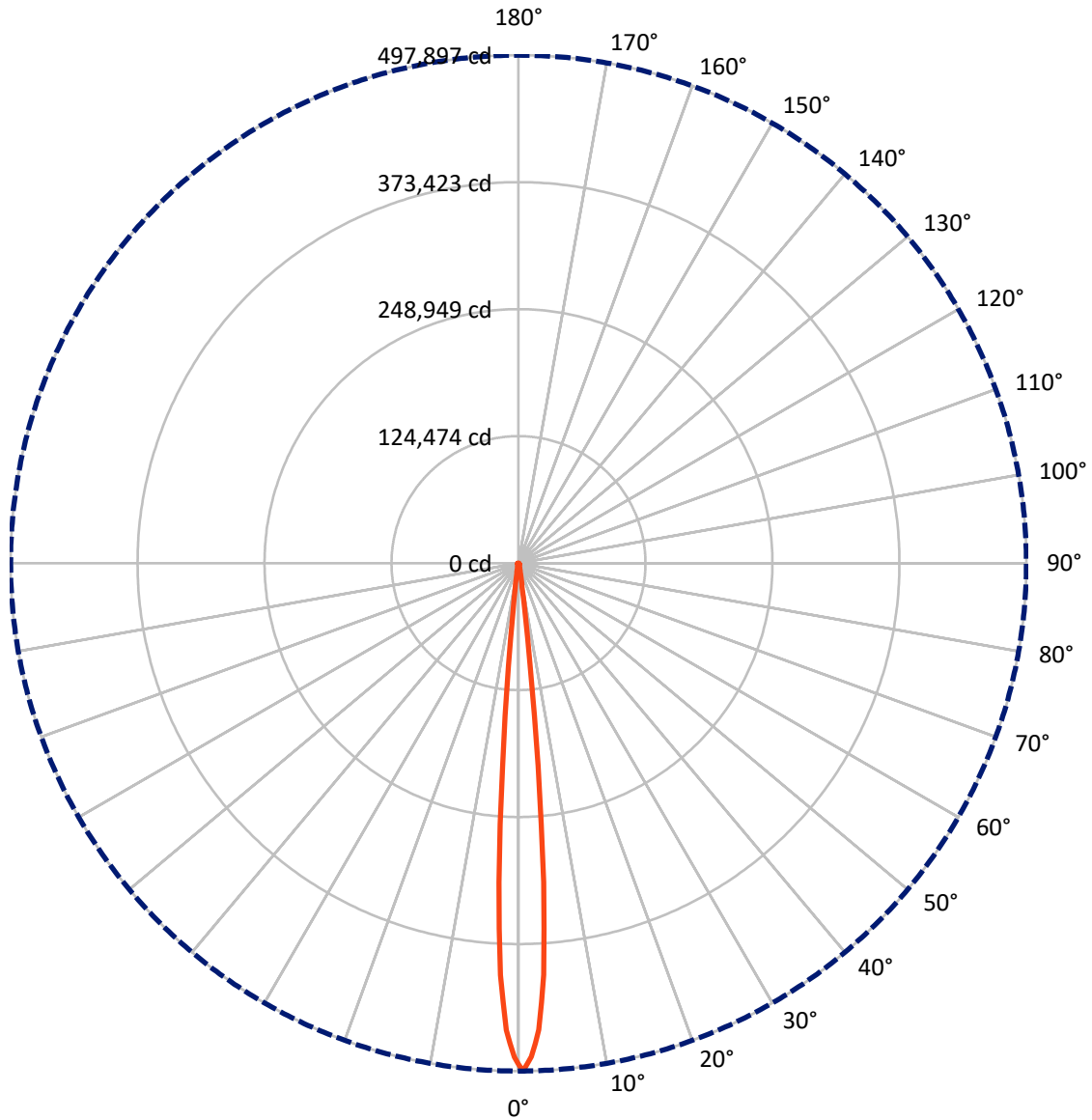
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 796.6 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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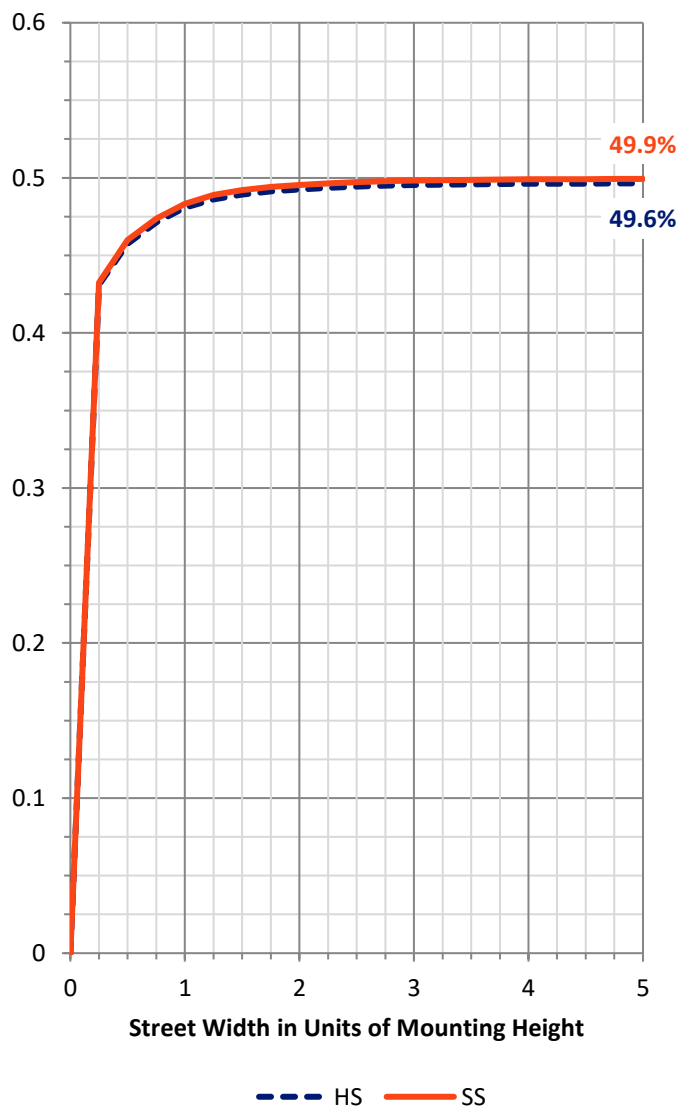
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8351.6	0.0	8351.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8351.6	0.0	8351.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16703.3	0.0	16703.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12828.1	76.8
10°-20°	1251.2	7.5
20°-30°	668.4	4.0
30°-40°	551.3	3.3
40°-50°	613.9	3.7
50°-60°	412.8	2.5
60°-70°	263.4	1.6
70°-80°	104.0	0.6
80°-90°	10.2	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°	16703.3	100.0
0°-180°	16703.3	100.0

Coefficient of Utilization

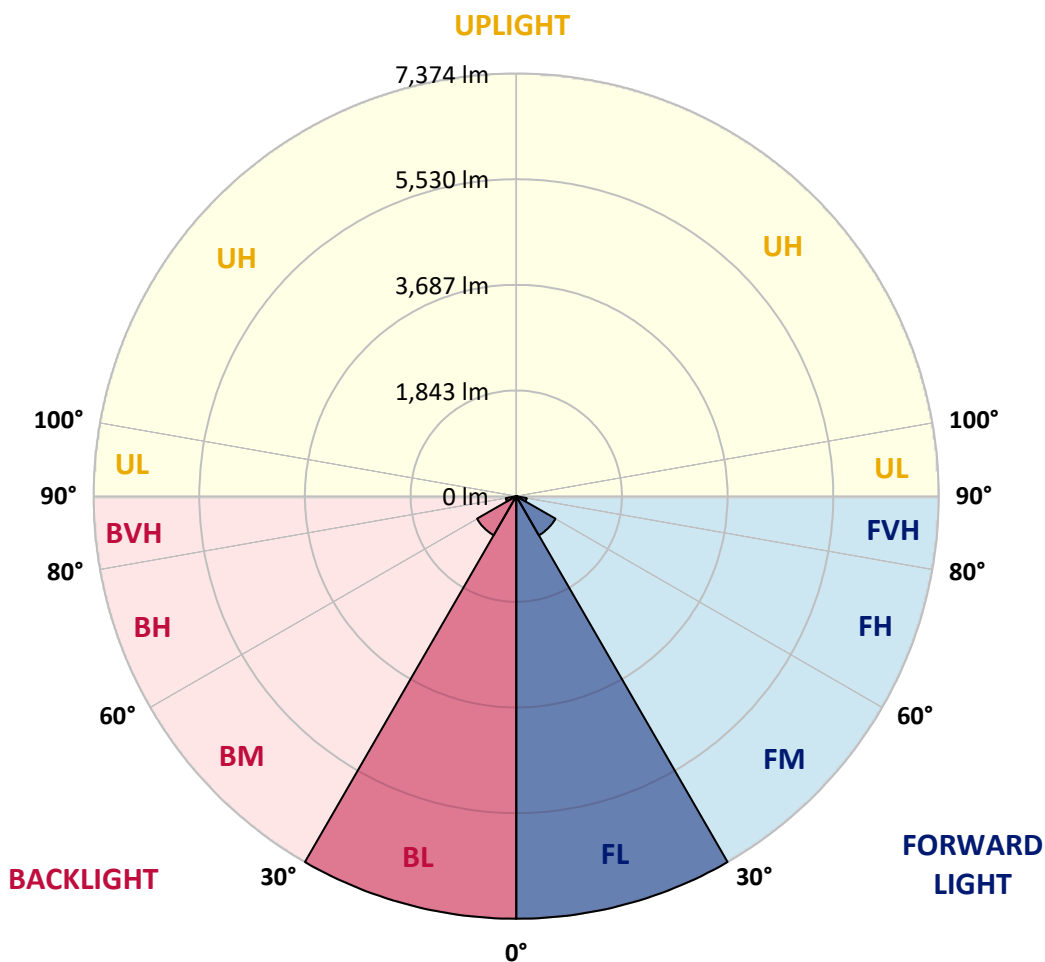


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7373.9	44.1			
FM (30°-60°)	789.0	4.7			
FH (60°-80°)	183.7	1.1			G0/660
FVH (80°-90°)	5.1	0.0			G0/10
BL (0°-30°)	7373.9	44.1	B5		
BM (30°-60°)	789.0	4.7	B1/1000		
BH (60°-80°)	183.7	1.1	B1/500		G0/660
BVH (80°-90°)	5.1	0.0			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°	497897.0	497897.0	497897.0	497897.0	497897.0	497897.0	497897.0	497897.0	497897.0	497897.0
1°	484059.0	484900.8	485052.7	484050.3	481494.5	482097.7	482019.6	482154.1	481902.4	480305.6
2°	457849.8	459095.2	457784.7	454972.9	449149.6	447761.0	443122.3	437945.6	432434.7	426910.8
3°	404350.9	406971.8	405101.6	408104.4	396292.9	395099.6	385344.9	372483.3	359448.1	348886.3
4°	313508.2	318350.8	318993.0	328903.9	319201.3	322234.5	311091.2	293222.1	273721.4	258803.0
5°	199836.6	206588.5	210398.4	219693.1	224162.6	235800.5	230372.1	212437.8	189904.0	172742.2
6°	100970.6	104645.9	114882.3	125101.3	136513.6	151957.0	154048.6	138305.7	120371.5	103899.6
7°	47068.1	48586.8	55807.4	57985.7	71033.9	87787.9	90131.1	81500.2	72040.6	59274.5
8°	24321.6	24911.8	27550.1	29168.6	36779.7	46417.2	48061.8	42629.0	38758.4	32336.3
9°	14979.2	15239.5	16228.9	16593.4	19439.9	23727.1	24308.6	22034.8	20984.7	18767.4
10°	10388.2	10527.1	10991.4	11086.8	12037.1	13447.4	13499.5	12753.1	12770.5	12215.1
12.5°	5536.9	5580.3	5710.5	5723.5	5905.8	6053.3	6018.6	6022.9	6096.7	6022.9
15°	3540.8	3562.5	3640.7	3658.0	3753.5	3805.5	3779.5	3775.2	3801.2	3753.5
17.5°	2525.5	2538.5	2594.9	2642.6	2703.4	2720.7	2712.0	2703.4	2703.4	2660.0
20°	1970.0	1987.4	2026.4	2074.2	2104.5	2134.9	2139.3	2134.9	2121.9	2100.2
22.5°	1675.0	1683.6	1696.7	1718.4	1740.0	1753.1	1761.7	1766.1	1761.7	1753.1
25°	1458.0	1466.7	1492.7	1505.7	1505.7	1510.1	1527.4	1536.1	1540.4	1523.1
27.5°	1076.1	1097.8	1136.9	1158.6	1158.6	1167.3	1180.3	1197.6	1215.0	1184.6
30°	833.1	850.5	893.9	893.9	889.6	898.2	911.2	937.3	963.3	928.6
32.5°	750.7	750.7	759.4	763.7	763.7	776.7	785.4	807.1	828.8	820.1
35°	785.4	763.7	737.7	737.7	746.4	772.4	776.7	798.4	820.1	850.5
37.5°	1141.2	1076.1	980.7	963.3	963.3	993.7	980.7	993.7	1032.7	1145.6
40°	1037.1	985.0	928.6	850.5	850.5	893.9	863.5	880.9	972.0	1041.4
42.5°	924.3	924.3	863.5	789.7	789.7	811.4	802.8	811.4	915.6	972.0
45°	854.8	854.8	837.5	720.3	737.7	750.7	750.7	750.7	889.6	906.9
47.5°	815.8	815.8	772.4	663.9	685.6	689.9	698.6	689.9	798.4	859.2
50°	729.0	737.7	663.9	585.8	611.8	611.8	624.9	607.5	689.9	789.7
52.5°	629.2	637.9	525.1	464.3	494.7	490.3	507.7	481.7	546.7	685.6
55°	559.8	555.4	433.9	377.5	412.2	407.9	416.6	386.2	442.6	590.1
57.5°	486.0	494.7	355.8	308.1	347.1	338.5	351.5	316.8	364.5	525.1
60°	429.6	442.6	303.7	260.4	299.4	290.7	303.7	264.7	312.4	473.0
62.5°	412.2	412.2	269.0	221.3	260.4	251.7	260.4	221.3	277.7	433.9
65°	490.3	464.3	243.0	182.2	221.3	212.6	221.3	182.2	243.0	416.6
67.5°	650.9	620.5	230.0	143.2	177.9	164.9	177.9	147.5	212.6	390.5
70°	338.5	360.2	230.0	112.8	134.5	134.5	130.2	112.8	177.9	286.4
72.5°	195.3	199.6	177.9	86.8	104.1	112.8	99.8	86.8	130.2	212.6
75°	108.5	121.5	112.8	65.1	78.1	86.8	73.8	65.1	91.1	151.9
77.5°	65.1	73.8	65.1	43.4	52.1	47.7	52.1	43.4	60.7	99.8
80°	34.7	34.7	34.7	26.0	26.0	30.4	30.4	26.0	34.7	52.1
82.5°	13.0	13.0	13.0	8.7	13.0	13.0	13.0	17.4	17.4	21.7
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
497897.0
481880.7
430091.5
352891.5
262261.4
174942.2
105131.9
60819.3
33208.5
19249.0
12471.1
6105.4
3788.2
2673.0
2104.5
1757.4
1523.1
1180.3
919.9
820.1
867.9
1202.0
1106.5
976.3
902.6
846.2
781.1
668.2
581.5
512.0
460.0
429.6
416.6
386.2
282.1
208.3
134.5
73.8
43.4
21.7
4.3
4.3
0.0

OF REPORT)