

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: P525252

Luminaire Tested: **IFLD-S-SA6B-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525252
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

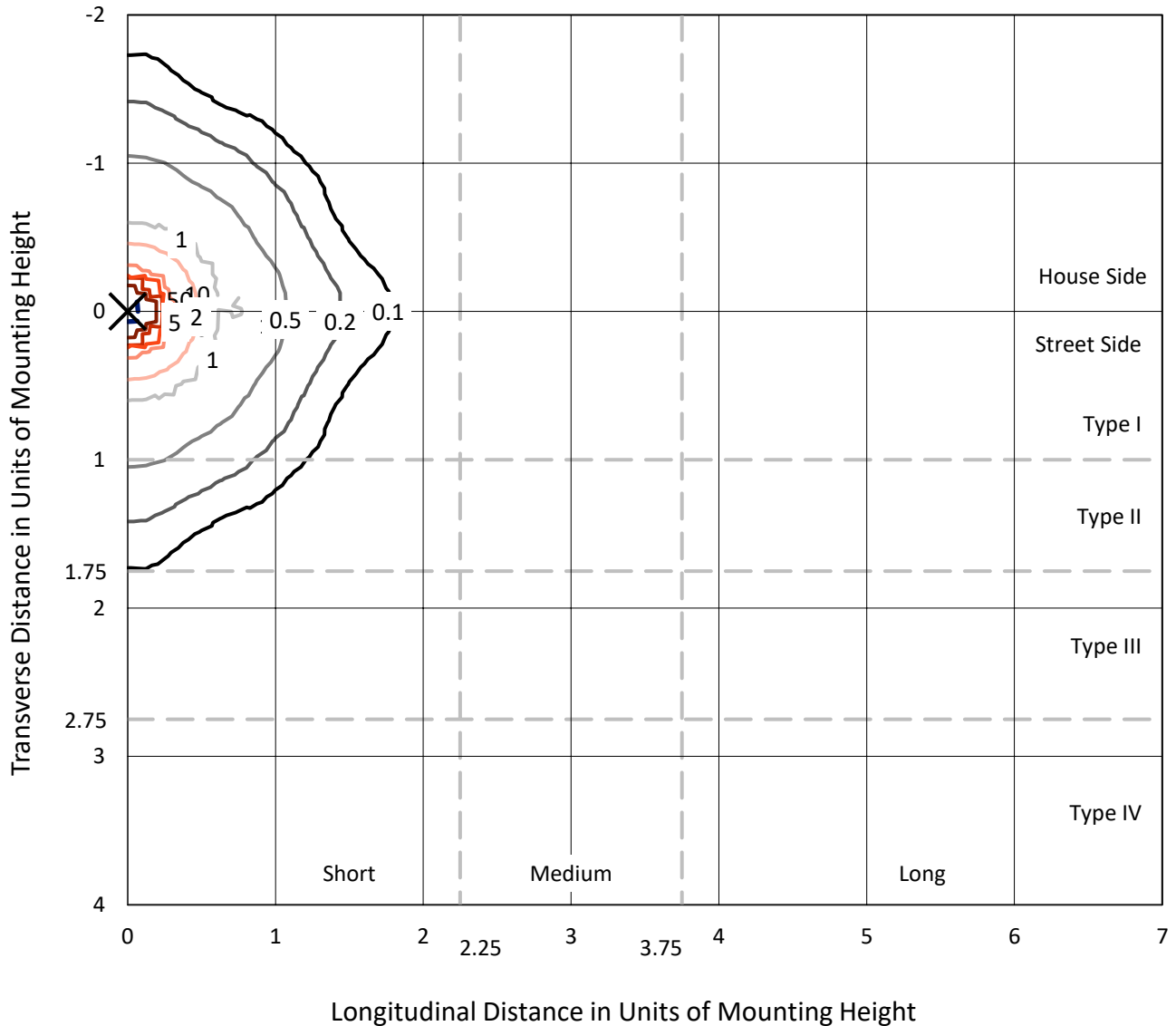
Lumens per Lamp: N/A
Luminaire Lumens: 12194.4 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 244.9
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

REPORT NUMBER: P525252
 CATALOG NUMBER: IFLD-S-SA6B-927-U-11

Iso-Footcandle Lines of Horizontal Illumination

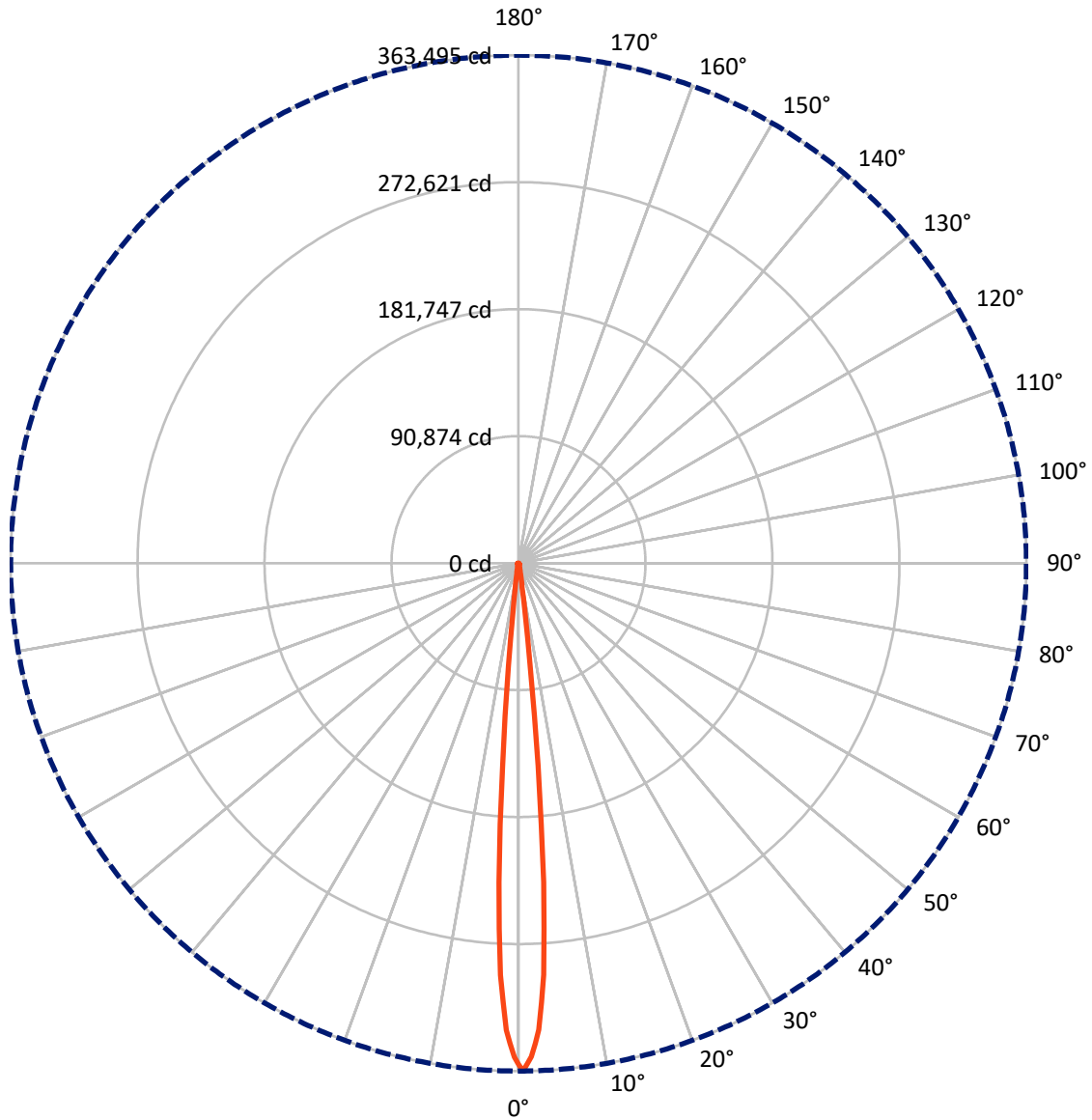
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 908.7 fc
 Type V - Short - N/A

REPORT NUMBER: P525252
CATALOG NUMBER: IFLD-S-SA6B-927-U-11

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525252
 CATALOG NUMBER: IFLD-S-SA6B-927-U-11

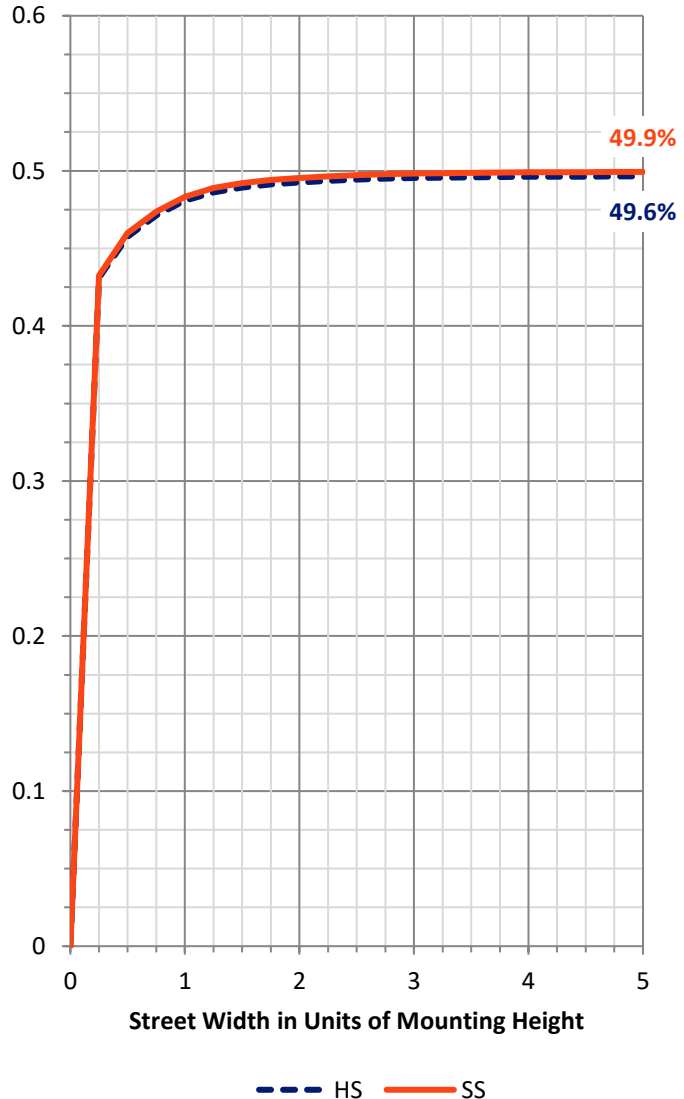
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6097.2	0.0	6097.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6097.2	0.0	6097.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12194.4	0.0	12194.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9365.3	76.8
10°-20°	913.4	7.5
20°-30°	488.0	4.0
30°-40°	402.5	3.3
40°-50°	448.2	3.7
50°-60°	301.4	2.5
60°-70°	192.3	1.6
70°-80°	75.9	0.6
80°-90°	7.4	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°	12194.4	100.0
0°-180°	12194.4	100.0

Coefficient of Utilization



REPORT NUMBER: P525252

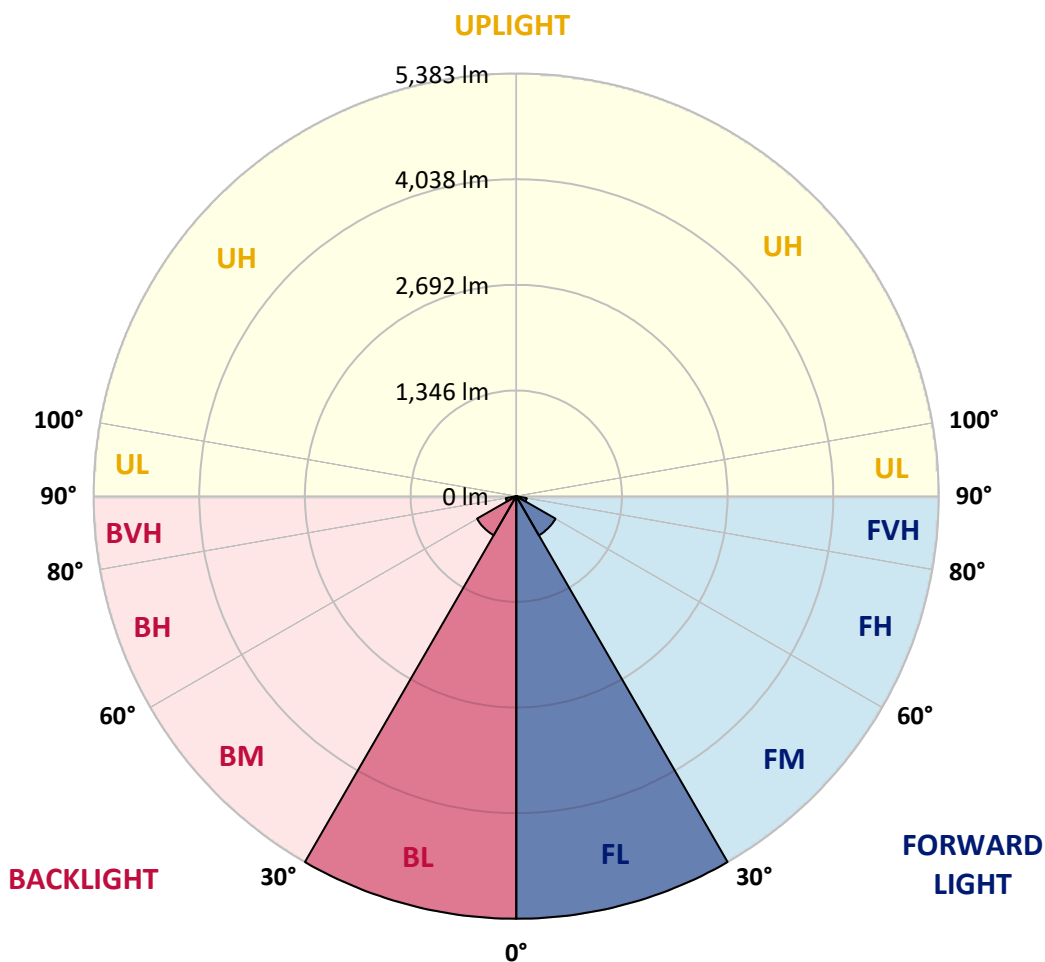
CATALOG NUMBER: IFLD-S-SA6B-927-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5383.4	44.1			
FM (30°-60°)	576.0	4.7			
FH (60°-80°)	134.1	1.1			G0/660
FVH (80°-90°)	3.7	0.0			G0/10
BL (0°-30°)	5383.4	44.1	B5		
BM (30°-60°)	576.0	4.7	B1/1000		
BH (60°-80°)	134.1	1.1	B1/500		G0/660
BVH (80°-90°)	3.7	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°	363494.5	363494.5	363494.5	363494.5	363494.5	363494.5	363494.5	363494.5	363494.5	363494.5
1°	353392.0	354006.6	354117.5	353385.7	351519.8	351960.1	351903.1	352001.3	351817.6	350651.8
2°	334257.7	335166.9	334210.2	332157.4	327906.0	326892.3	323505.8	319726.4	315703.2	311670.4
3°	295200.3	297113.8	295748.4	297940.6	289317.5	288446.3	281324.8	271935.1	262418.6	254707.9
4°	228879.7	232415.1	232884.0	240119.5	233036.1	235250.4	227115.2	214069.7	199833.0	188941.6
5°	145892.7	150821.9	153603.4	160389.1	163652.1	172148.4	168185.4	155092.3	138641.3	126112.1
6°	73714.5	76397.8	83870.9	91331.4	99663.1	110937.7	112464.7	100971.4	87878.4	75852.9
7°	34362.5	35471.3	40742.7	42333.0	51859.0	64090.4	65801.1	59500.0	52594.0	43273.9
8°	17756.2	18187.1	20113.2	21294.8	26851.4	33887.3	35088.0	31121.7	28295.9	23607.4
9°	10935.7	11125.8	11848.1	12114.2	14192.3	17322.2	17746.7	16086.7	15320.1	13701.3
10°	7584.0	7685.4	8024.4	8094.1	8787.8	9817.4	9855.4	9310.5	9323.2	8917.7
12.5°	4042.3	4074.0	4169.0	4178.5	4311.6	4419.3	4393.9	4397.1	4450.9	4397.1
15°	2585.0	2600.9	2657.9	2670.6	2740.3	2778.3	2759.3	2756.1	2775.1	2740.3
17.5°	1843.7	1853.2	1894.4	1929.3	1973.6	1986.3	1980.0	1973.6	1973.6	1941.9
20°	1438.2	1450.9	1479.4	1514.3	1536.4	1558.6	1561.8	1558.6	1549.1	1533.3
22.5°	1222.8	1229.2	1238.7	1254.5	1270.3	1279.8	1286.2	1289.3	1286.2	1279.8
25°	1064.4	1070.8	1089.8	1099.3	1099.3	1102.4	1115.1	1121.4	1124.6	1111.9
27.5°	785.6	801.5	830.0	845.8	845.8	852.2	861.7	874.3	887.0	864.8
30°	608.2	620.9	652.6	652.6	649.4	655.8	665.3	684.3	703.3	677.9
32.5°	548.1	548.1	554.4	557.6	557.6	567.1	573.4	589.2	605.1	598.7
35°	573.4	557.6	538.5	538.5	544.9	563.9	567.1	582.9	598.7	620.9
37.5°	833.2	785.6	716.0	703.3	703.3	725.5	716.0	725.5	754.0	836.3
40°	757.1	719.1	677.9	620.9	620.9	652.6	630.4	643.1	709.6	760.3
42.5°	674.8	674.8	630.4	576.6	576.6	592.4	586.1	592.4	668.4	709.6
45°	624.1	624.1	611.4	525.9	538.5	548.1	548.1	548.1	649.4	662.1
47.5°	595.6	595.6	563.9	484.7	500.5	503.7	510.0	503.7	582.9	627.3
50°	532.2	538.5	484.7	427.7	446.7	446.7	456.2	443.5	503.7	576.6
52.5°	459.3	465.7	383.3	339.0	361.1	358.0	370.6	351.6	399.2	500.5
55°	408.7	405.5	316.8	275.6	301.0	297.8	304.1	281.9	323.1	430.8
57.5°	354.8	361.1	259.8	224.9	253.4	247.1	256.6	231.3	266.1	383.3
60°	313.6	323.1	221.8	190.1	218.6	212.3	221.8	193.2	228.1	345.3
62.5°	301.0	301.0	196.4	161.6	190.1	183.7	190.1	161.6	202.7	316.8
65°	358.0	339.0	177.4	133.1	161.6	155.2	161.6	133.1	177.4	304.1
67.5°	475.2	453.0	167.9	104.5	129.9	120.4	129.9	107.7	155.2	285.1
70°	247.1	262.9	167.9	82.4	98.2	98.2	95.0	82.4	129.9	209.1
72.5°	142.6	145.7	129.9	63.4	76.0	82.4	72.9	63.4	95.0	155.2
75°	79.2	88.7	82.4	47.5	57.0	63.4	53.9	47.5	66.5	110.9
77.5°	47.5	53.9	47.5	31.7	38.0	34.8	38.0	31.7	44.4	72.9
80°	25.3	25.3	25.3	19.0	19.0	22.2	22.2	19.0	25.3	38.0
82.5°	9.5	9.5	9.5	6.3	9.5	9.5	9.5	12.7	12.7	15.8
85°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
363494.5
351801.7
313992.5
257631.9
191466.5
127718.2
76752.6
44401.7
24244.2
14052.9
9104.6
4457.3
2765.6
1951.4
1536.4
1283.0
1111.9
861.7
671.6
598.7
633.6
877.5
807.8
712.8
658.9
617.7
570.2
487.9
424.5
373.8
335.8
313.6
304.1
281.9
205.9
152.1
98.2
53.9
31.7
15.8
3.2
3.2
0.0

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