

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: P524082

Luminaire Tested: **IFLD-S-SA6B-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524082
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-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

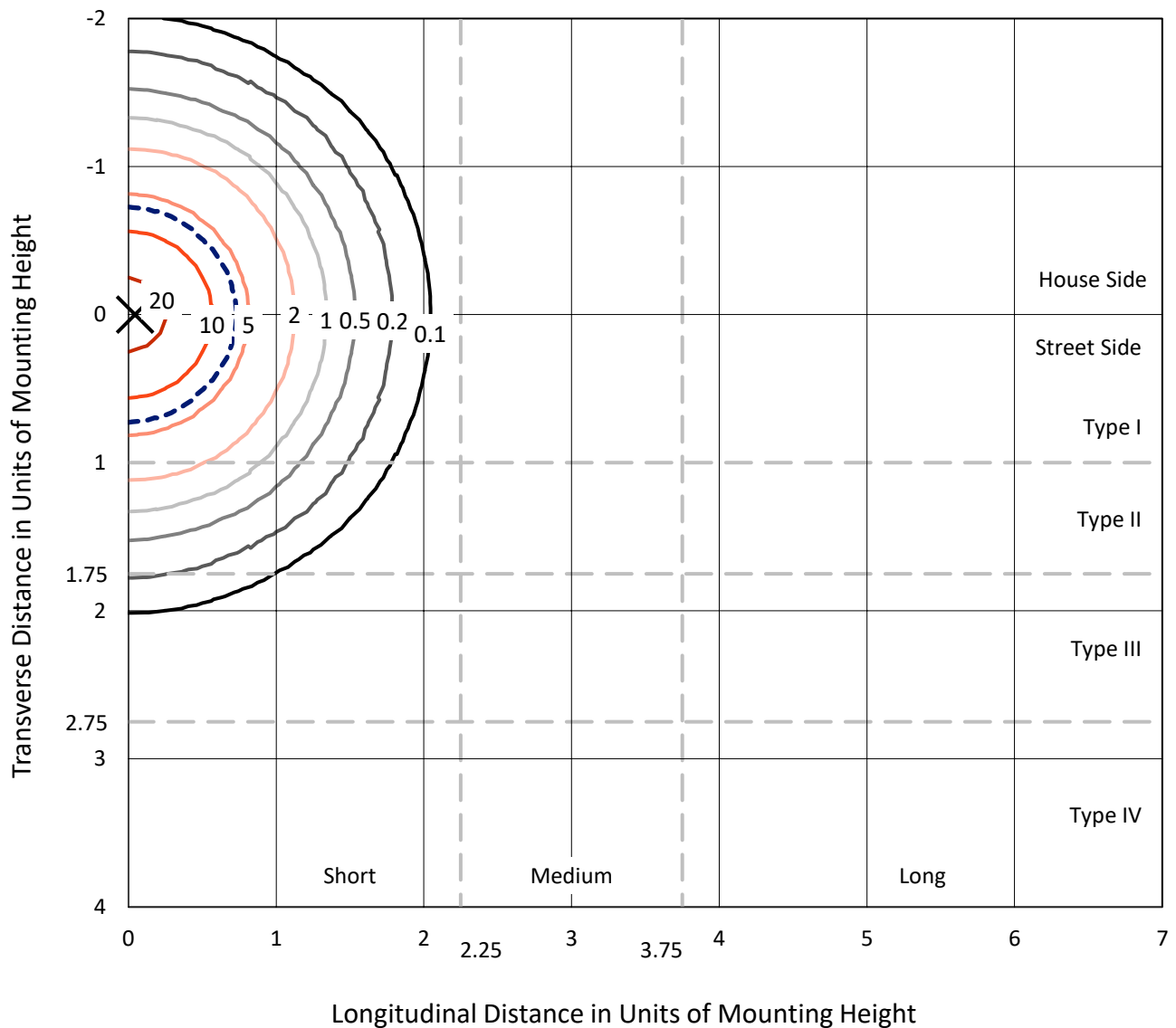
Lumens per Lamp: N/A
Luminaire Lumens: 21925.5 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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: P524082
 CATALOG NUMBER: IFLD-S-SA6B-927-U-66

Iso-Footcandle Lines of Horizontal Illumination

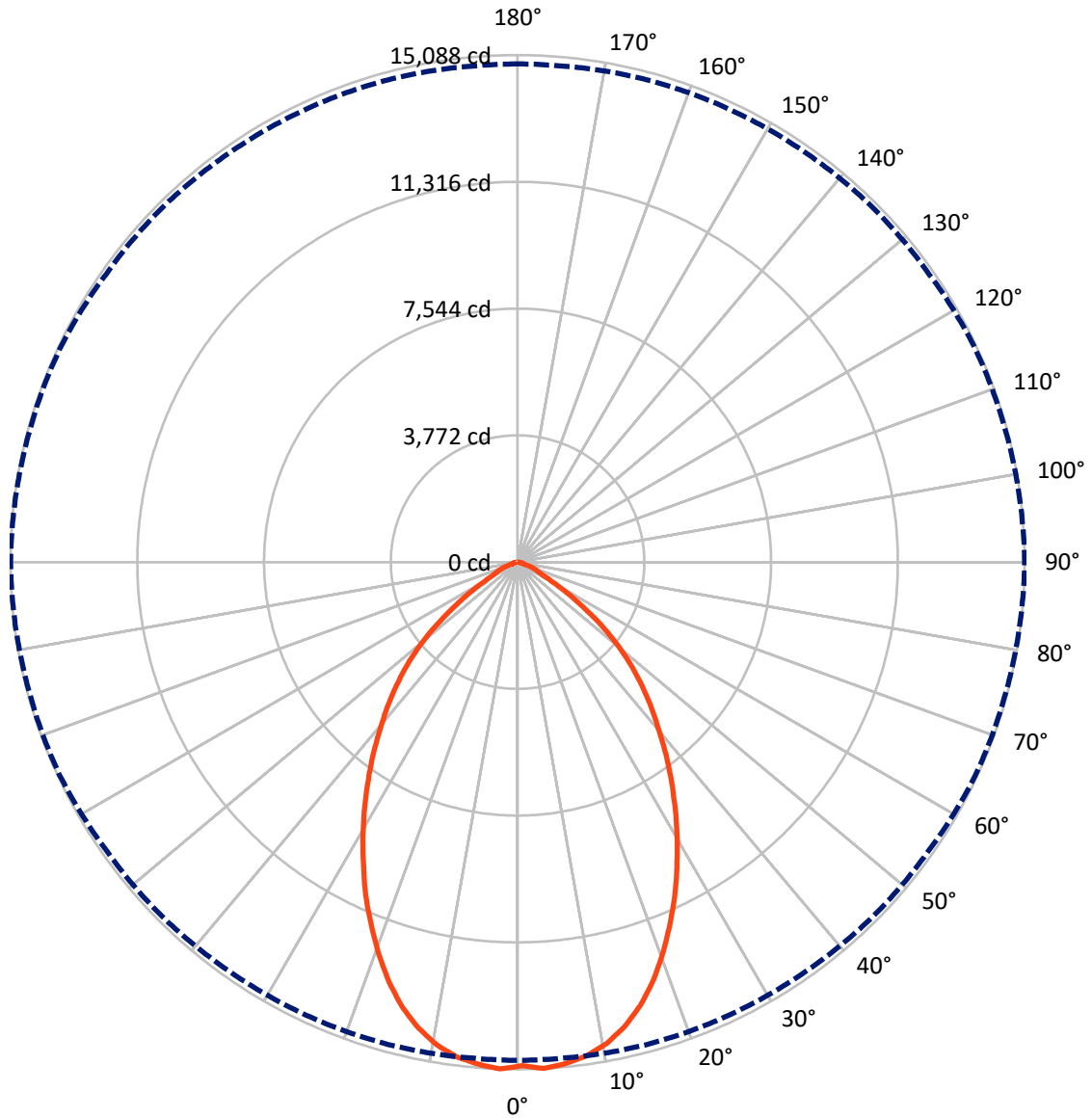
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24 fc
 Type V - Short - N/A

REPORT NUMBER: P524082
CATALOG NUMBER: IFLD-S-SA6B-927-U-66

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P524082

CATALOG NUMBER: IFLD-S-SA6B-927-U-66

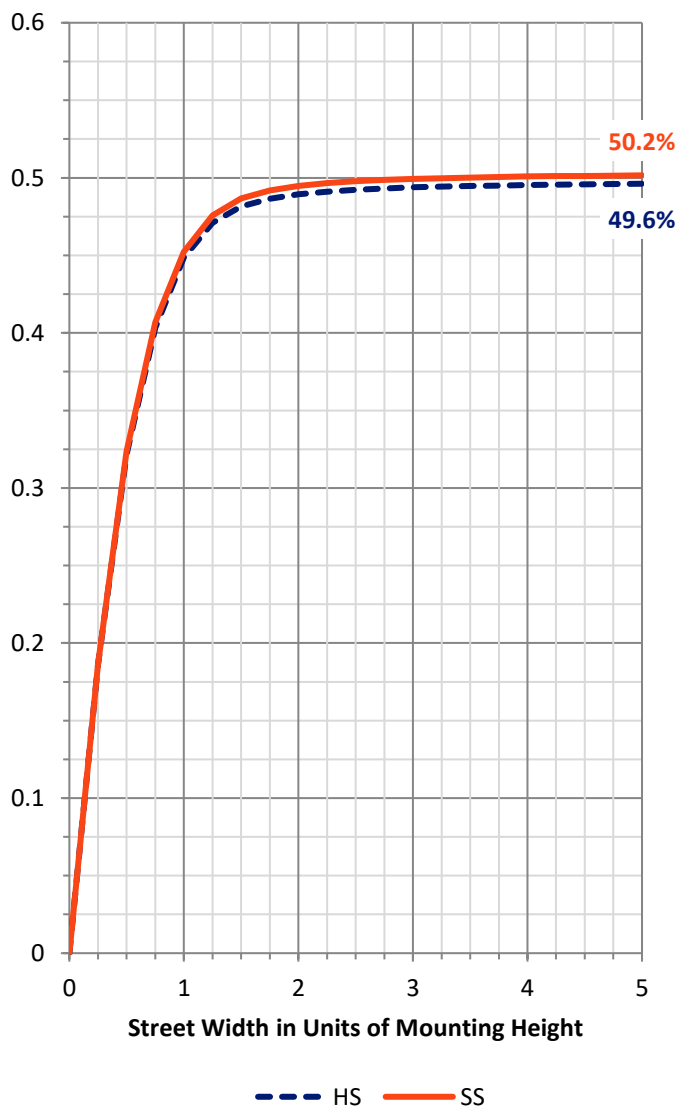
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10962.8	0.0	10962.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10962.8	0.0	10962.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21925.5	0.0	21925.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1406.9	6.4
10°-20°	3780.4	17.2
20°-30°	4891.0	22.3
30°-40°	4823.7	22.0
40°-50°	3902.6	17.8
50°-60°	2124.9	9.7
60°-70°	673.3	3.1
70°-80°	260.5	1.2
80°-90°	62.3	0.3
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°	21925.5	100.0
0°-180°	21925.5	100.0

Coefficient of Utilization



REPORT NUMBER: P524082

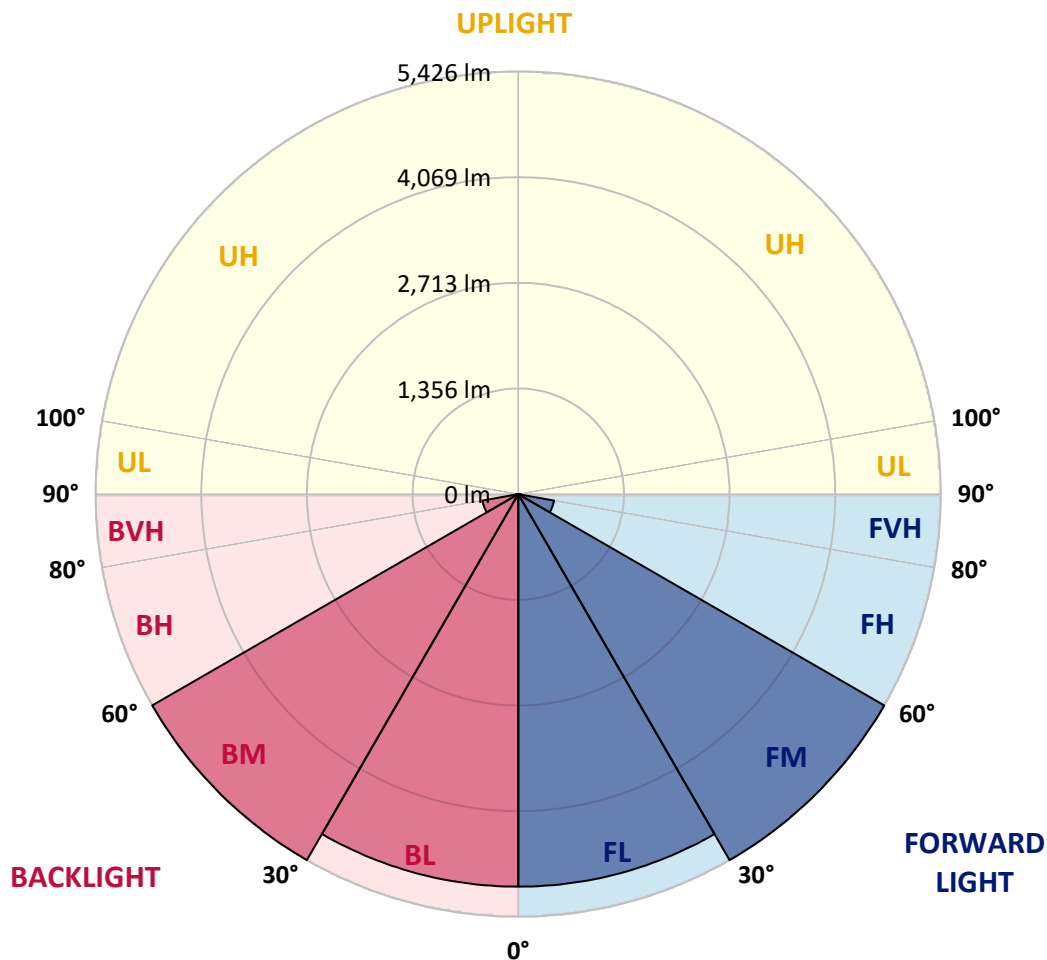
CATALOG NUMBER: IFLD-S-SA6B-927-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5039.1	23.0			
FM (30°-60°)	5425.6	24.7			
FH (60°-80°)	466.9	2.1			G0/660
FVH (80°-90°)	31.1	0.1			G1/100
BL (0°-30°)	5039.1	23.0	B5		
BM (30°-60°)	5425.6	24.7	B4/8500		
BH (60°-80°)	466.9	2.1	B1/500		G0/660
BVH (80°-90°)	31.1	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





REPORT NUMBER: P524082
 CATALOG NUMBER: IFLD-S-SA6B-927-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14986.7	14986.7	14986.7	14986.7	14986.7	14986.7	14986.7	14986.7	14986.7	14986.7	14986.7
2.5°	14825.1	14822.0	14860.0	14875.8	14894.8	14932.8	14945.5	15027.9	15037.4	15069.0	15088.1
5°	14799.8	14787.1	14825.1	14831.5	14853.6	14860.0	14879.0	14936.0	14929.7	14977.2	14986.7
7.5°	14663.6	14647.7	14679.4	14685.7	14717.4	14707.9	14739.6	14780.8	14780.8	14815.6	14831.5
10°	14359.5	14356.3	14388.0	14391.1	14435.5	14426.0	14476.7	14486.2	14511.5	14536.9	14565.4
12.5°	13995.2	13954.0	13995.2	13979.3	14039.5	14004.7	14074.4	14096.5	14109.2	14153.6	14175.7
15°	13526.3	13475.7	13504.2	13488.3	13526.3	13482.0	13554.9	13599.2	13615.0	13659.4	13681.6
17.5°	12899.1	12857.9	12864.3	12842.1	12867.4	12832.6	12902.3	12972.0	12994.2	13041.7	13073.4
20°	12110.4	12110.4	12113.5	12094.5	12116.7	12081.8	12126.2	12233.9	12256.1	12319.4	12373.3
22.5°	11340.6	11340.6	11350.1	11324.7	11331.1	11315.2	11362.8	11467.3	11502.1	11568.7	11635.2
25°	10602.5	10589.8	10596.2	10574.0	10548.6	10555.0	10612.0	10678.5	10754.6	10840.1	10890.8
27.5°	9899.3	9915.1	9877.1	9861.2	9842.2	9807.4	9873.9	9956.3	10010.1	10079.8	10105.2
30°	9148.5	9180.2	9151.7	9139.0	9091.5	9047.1	9116.8	9199.2	9253.0	9319.6	9348.1
32.5°	8480.1	8470.6	8445.3	8416.7	8369.2	8334.4	8362.9	8457.9	8499.1	8568.8	8578.3
35°	7764.2	7757.8	7742.0	7685.0	7669.2	7628.0	7653.3	7735.7	7767.4	7808.5	7840.2
37.5°	7064.1	7041.9	7035.6	7013.4	6984.9	6975.4	6975.4	7019.8	7051.4	7092.6	7124.3
40°	6370.4	6376.7	6357.7	6338.7	6329.2	6316.5	6319.7	6345.0	6370.4	6389.4	6408.4
42.5°	5743.2	5708.3	5695.6	5676.6	5686.1	5702.0	5667.1	5705.1	5736.8	5736.8	5778.0
45°	5024.1	5039.9	5046.2	5077.9	5077.9	5062.1	5049.4	5068.4	5100.1	5096.9	5138.1
47.5°	4396.9	4377.8	4393.7	4441.2	4482.4	4488.7	4450.7	4460.2	4469.7	4453.9	4491.9
50°	3709.4	3715.8	3712.6	3785.5	3867.8	3839.3	3810.8	3820.3	3817.2	3817.2	3823.5
52.5°	2961.9	2977.7	2958.7	3063.2	3151.9	3129.7	3110.7	3110.7	3126.6	3123.4	3120.2
55°	2280.8	2274.5	2233.3	2284.0	2363.2	2366.3	2337.8	2350.5	2366.3	2382.2	2379.0
57.5°	1697.9	1678.9	1621.9	1625.1	1713.8	1735.9	1710.6	1707.4	1726.4	1732.8	1767.6
60°	1143.6	1140.4	1089.7	1086.5	1121.4	1181.6	1153.1	1153.1	1159.4	1168.9	1178.4
62.5°	782.4	788.8	769.8	766.6	772.9	823.6	820.5	817.3	814.1	826.8	823.6
65°	614.5	617.7	611.4	611.4	614.5	636.7	658.9	662.1	665.2	668.4	665.2
67.5°	494.2	497.3	491.0	497.3	497.3	500.5	532.2	544.9	548.0	548.0	544.9
70°	380.1	392.8	399.1	399.1	399.1	399.1	421.3	437.2	434.0	415.0	396.0
72.5°	190.1	231.2	319.9	323.1	319.9	316.8	329.4	345.3	342.1	240.7	180.6
75°	126.7	136.2	250.3	262.9	259.8	247.1	259.8	278.8	272.4	155.2	148.9
77.5°	72.9	79.2	167.9	193.2	209.1	180.6	205.9	224.9	215.4	126.7	123.5
80°	57.0	53.9	120.4	148.9	142.5	114.0	167.9	180.6	164.7	95.0	85.5
82.5°	34.8	34.8	79.2	114.0	104.5	66.5	117.2	139.4	123.5	69.7	63.4
85°	19.0	22.2	38.0	57.0	60.2	44.3	63.4	76.0	76.0	44.3	44.3
87.5°	9.5	9.5	12.7	12.7	15.8	19.0	19.0	22.2	15.8	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)