

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: P524096

Luminaire Tested: **IFLD-L-SA8A-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524096
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

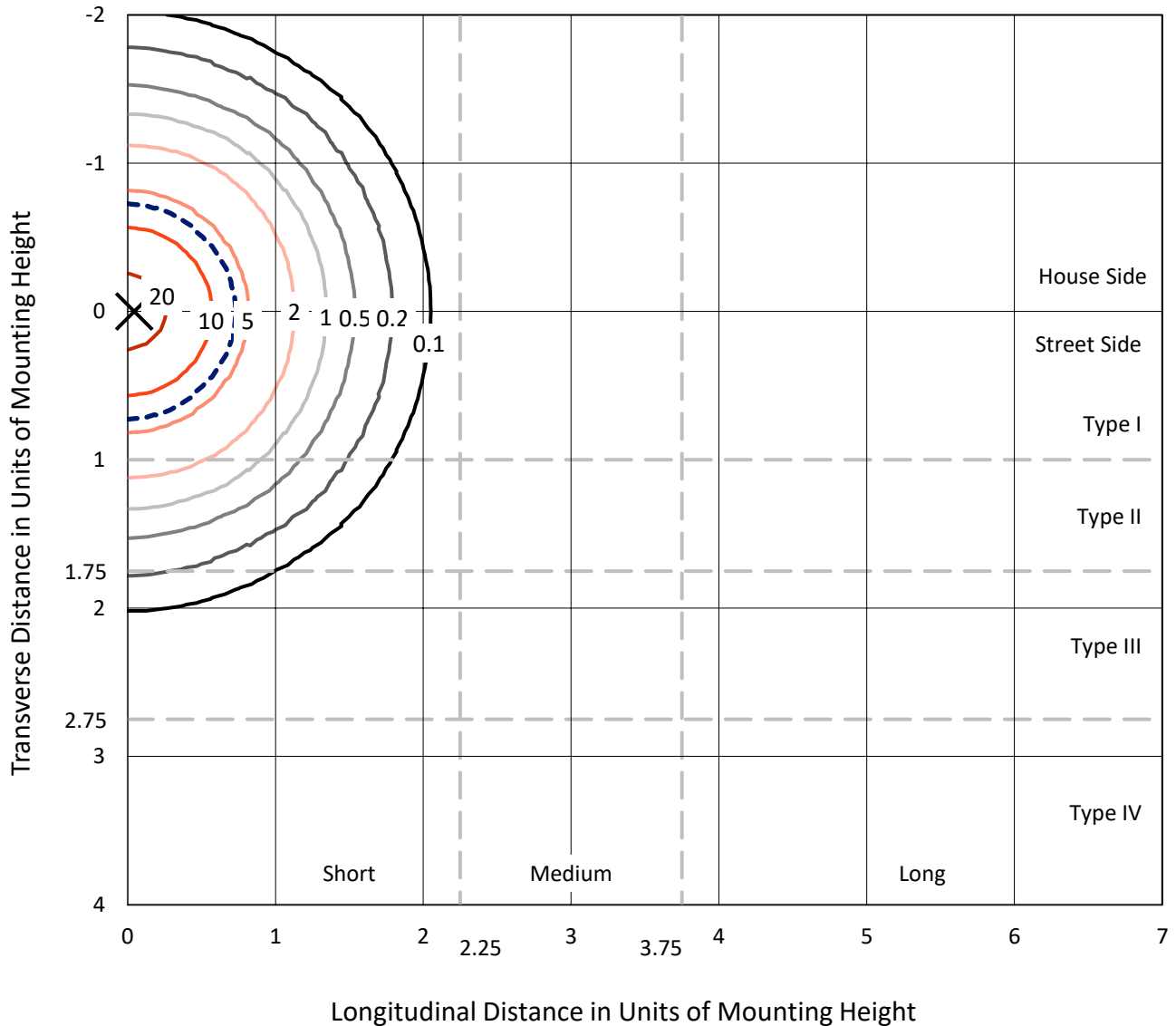
Lumens per Lamp: N/A
Luminaire Lumens: 22133.9 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 247.8
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: P524096
 CATALOG NUMBER: IFLD-L-SA8A-927-U-66

Iso-Footcandle Lines of Horizontal Illumination

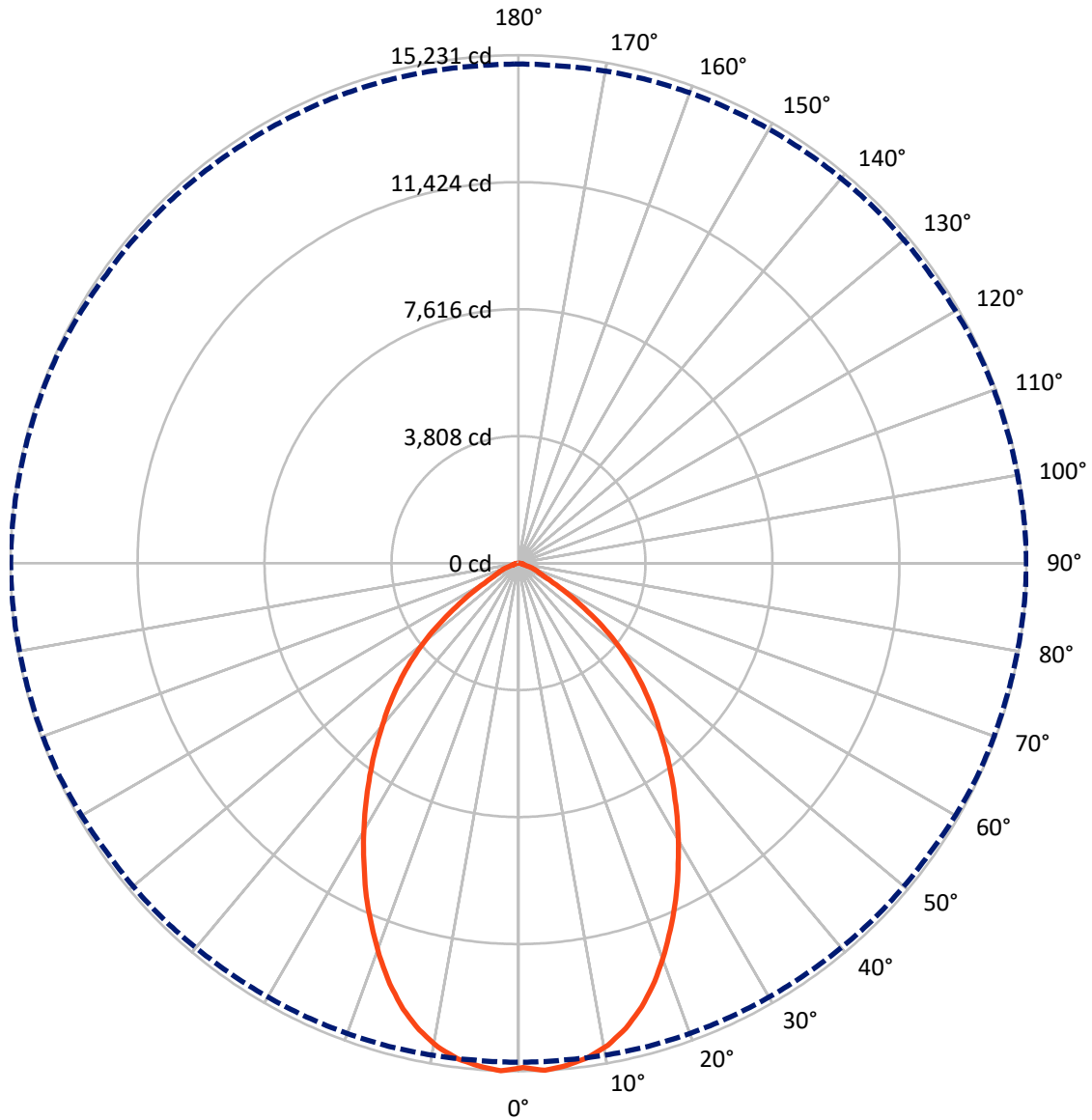
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.2 fc
 Type V - Short - N/A

REPORT NUMBER: P524096
CATALOG NUMBER: IFLD-L-SA8A-927-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524096
 CATALOG NUMBER: IFLD-L-SA8A-927-U-66

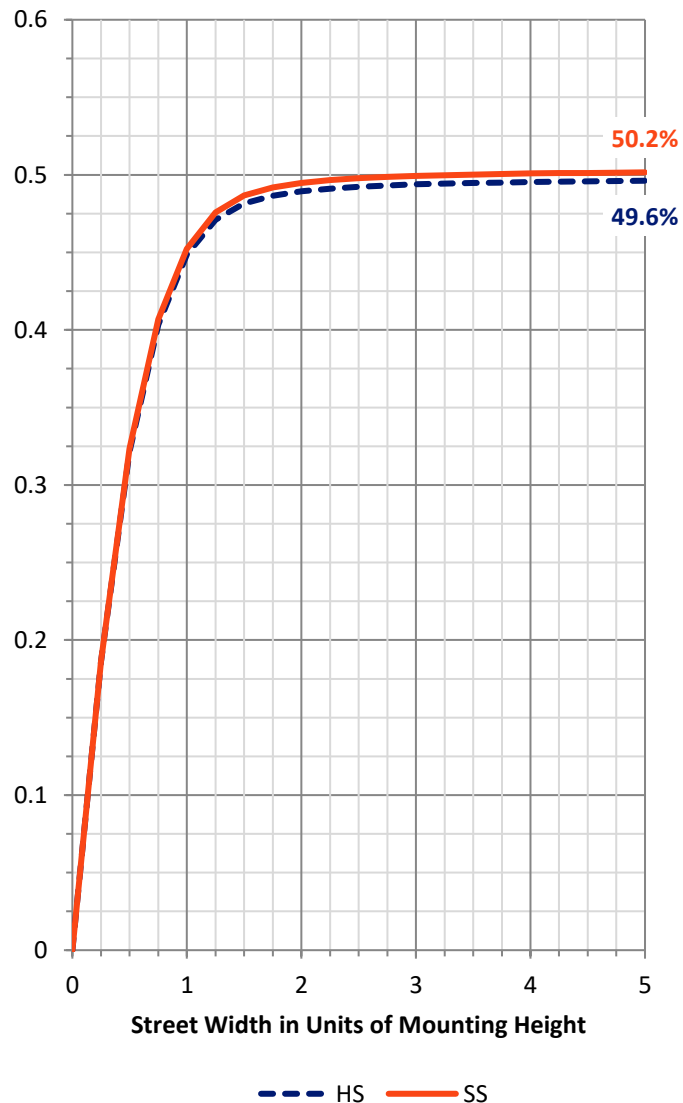
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11067.0	0.0	11067.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11067.0	0.0	11067.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22133.9	0.0	22133.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1420.3	6.4
10°-20°	3816.3	17.2
20°-30°	4937.5	22.3
30°-40°	4869.6	22.0
40°-50°	3939.7	17.8
50°-60°	2145.1	9.7
60°-70°	679.7	3.1
70°-80°	263.0	1.2
80°-90°	62.9	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°	22133.9	100.0
0°-180°	22133.9	100.0

Coefficient of Utilization



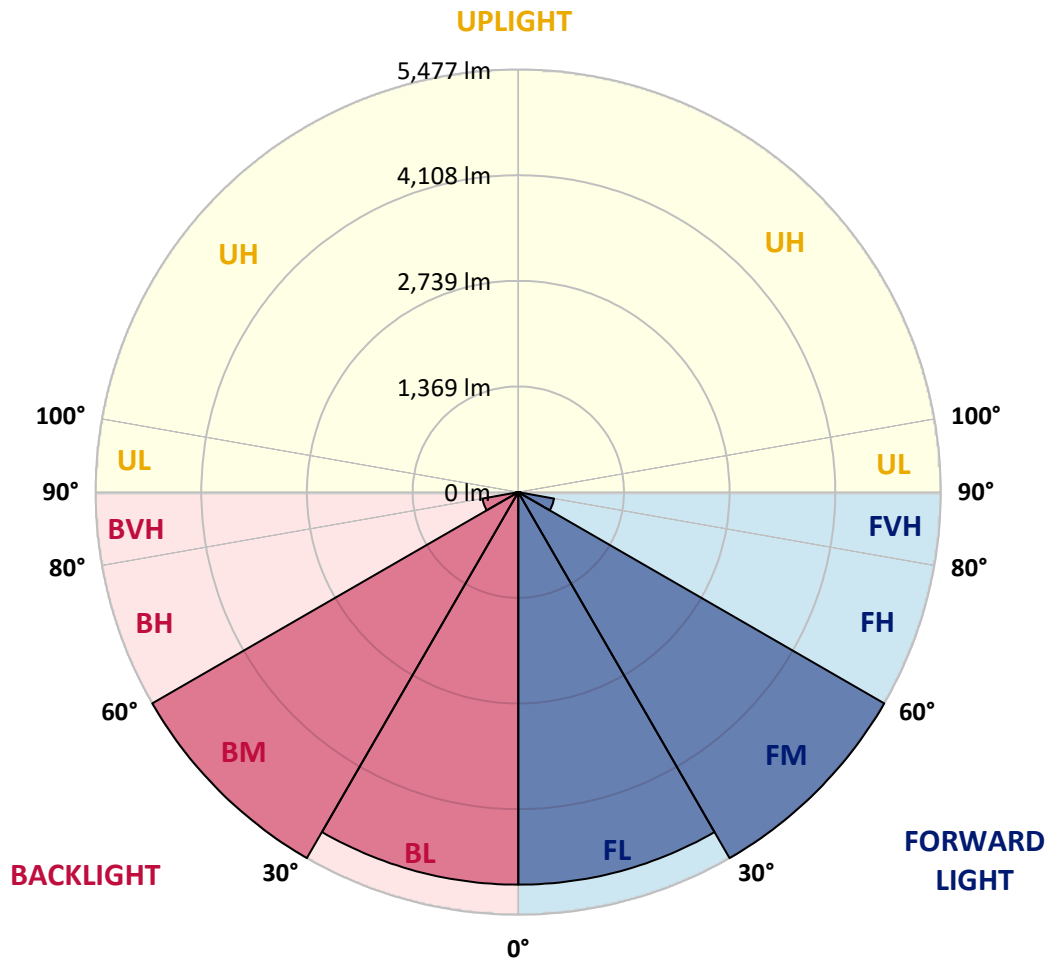
REPORT NUMBER: P524096
 CATALOG NUMBER: IFLD-L-SA8A-927-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5087.0	23.0			
FM (30°-60°)	5477.2	24.7			
FH (60°-80°)	471.3	2.1			G0/660
FVH (80°-90°)	31.4	0.1			G1/100
BL (0°-30°)	5087.0	23.0	B5		
BM (30°-60°)	5477.2	24.7	B4/8500		
BH (60°-80°)	471.3	2.1	B1/500		G0/660
BVH (80°-90°)	31.4	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: P524096
 CATALOG NUMBER: IFLD-L-SA8A-927-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15129.1	15129.1	15129.1	15129.1	15129.1	15129.1	15129.1	15129.1	15129.1	15129.1	15129.1
2.5°	14966.0	14962.8	15001.2	15017.2	15036.4	15074.8	15087.5	15170.7	15180.3	15212.3	15231.4
5°	14940.4	14927.7	14966.0	14972.4	14994.8	15001.2	15020.4	15078.0	15071.6	15119.5	15129.1
7.5°	14802.9	14786.9	14818.9	14825.3	14857.3	14847.7	14879.7	14921.3	14921.3	14956.4	14972.4
10°	14495.9	14492.7	14524.7	14527.9	14572.7	14563.1	14614.3	14623.9	14649.4	14675.0	14703.8
12.5°	14128.2	14086.6	14128.2	14112.2	14173.0	14137.8	14208.1	14230.5	14243.3	14288.1	14310.5
15°	13654.9	13603.7	13632.5	13616.5	13654.9	13610.1	13683.7	13728.4	13744.4	13789.2	13811.6
17.5°	13021.7	12980.1	12986.5	12964.2	12989.7	12954.6	13024.9	13095.3	13117.7	13165.6	13197.6
20°	12225.5	12225.5	12228.6	12209.5	12231.8	12196.7	12241.4	12350.2	12372.6	12436.5	12490.9
22.5°	11448.4	11448.4	11458.0	11432.4	11438.8	11422.8	11470.8	11576.3	11611.5	11678.6	11745.8
25°	10703.3	10690.5	10696.9	10674.5	10648.9	10655.3	10712.9	10780.0	10856.8	10943.1	10994.3
27.5°	9993.3	10009.3	9971.0	9955.0	9935.8	9900.6	9967.8	10050.9	10105.3	10175.6	10201.2
30°	9235.4	9267.4	9238.6	9225.9	9177.9	9133.1	9203.5	9286.6	9341.0	9408.1	9436.9
32.5°	8560.7	8551.1	8525.5	8496.7	8448.8	8413.6	8442.4	8538.3	8579.9	8650.2	8659.8
35°	7838.0	7831.6	7815.6	7758.0	7742.0	7700.5	7726.1	7809.2	7841.2	7882.7	7914.7
37.5°	7131.2	7108.9	7102.5	7080.1	7051.3	7041.7	7041.7	7086.5	7118.5	7160.0	7192.0
40°	6430.9	6437.3	6418.1	6398.9	6389.3	6376.5	6379.7	6405.3	6430.9	6450.1	6469.3
42.5°	5797.7	5762.6	5749.8	5730.6	5740.2	5756.2	5721.0	5759.4	5791.3	5791.3	5832.9
45°	5071.8	5087.8	5094.2	5126.2	5126.2	5110.2	5097.4	5116.6	5148.6	5145.4	5186.9
47.5°	4438.6	4419.5	4435.4	4483.4	4525.0	4531.4	4493.0	4502.6	4512.2	4496.2	4534.6
50°	3744.7	3751.1	3747.9	3821.5	3904.6	3875.8	3847.0	3856.6	3853.4	3853.4	3859.8
52.5°	2990.0	3006.0	2986.8	3092.3	3181.9	3159.5	3140.3	3140.3	3156.3	3153.1	3149.9
55°	2302.5	2296.1	2254.5	2305.7	2385.6	2388.8	2360.0	2372.8	2388.8	2404.8	2401.6
57.5°	1714.1	1694.9	1637.3	1640.5	1730.0	1752.4	1726.8	1723.7	1742.8	1749.2	1784.4
60°	1154.4	1151.2	1100.1	1096.9	1132.0	1192.8	1164.0	1164.0	1170.4	1180.0	1189.6
62.5°	789.9	796.3	777.1	773.9	780.3	831.4	828.2	825.1	821.9	834.6	831.4
65°	620.4	623.6	617.2	617.2	620.4	642.8	665.2	668.4	671.6	674.8	671.6
67.5°	498.9	502.1	495.7	502.1	502.1	505.3	537.2	550.0	553.2	553.2	550.0
70°	383.7	396.5	402.9	402.9	402.9	402.9	425.3	441.3	438.1	418.9	399.7
72.5°	191.9	233.4	323.0	326.2	323.0	319.8	332.6	348.6	345.4	243.0	182.3
75°	127.9	137.5	252.6	265.4	262.2	249.4	262.2	281.4	275.0	156.7	150.3
77.5°	73.6	79.9	169.5	195.1	211.1	182.3	207.9	227.0	217.5	127.9	124.7
80°	57.6	54.4	121.5	150.3	143.9	115.1	169.5	182.3	166.3	95.9	86.3
82.5°	35.2	35.2	79.9	115.1	105.5	67.2	118.3	140.7	124.7	70.4	64.0
85°	19.2	22.4	38.4	57.6	60.8	44.8	64.0	76.7	76.7	44.8	44.8
87.5°	9.6	9.6	12.8	12.8	16.0	19.2	19.2	22.4	16.0	12.8	12.8
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)