

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: P524208

Luminaire Tested: **IFLD-L-SA7A-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524208
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

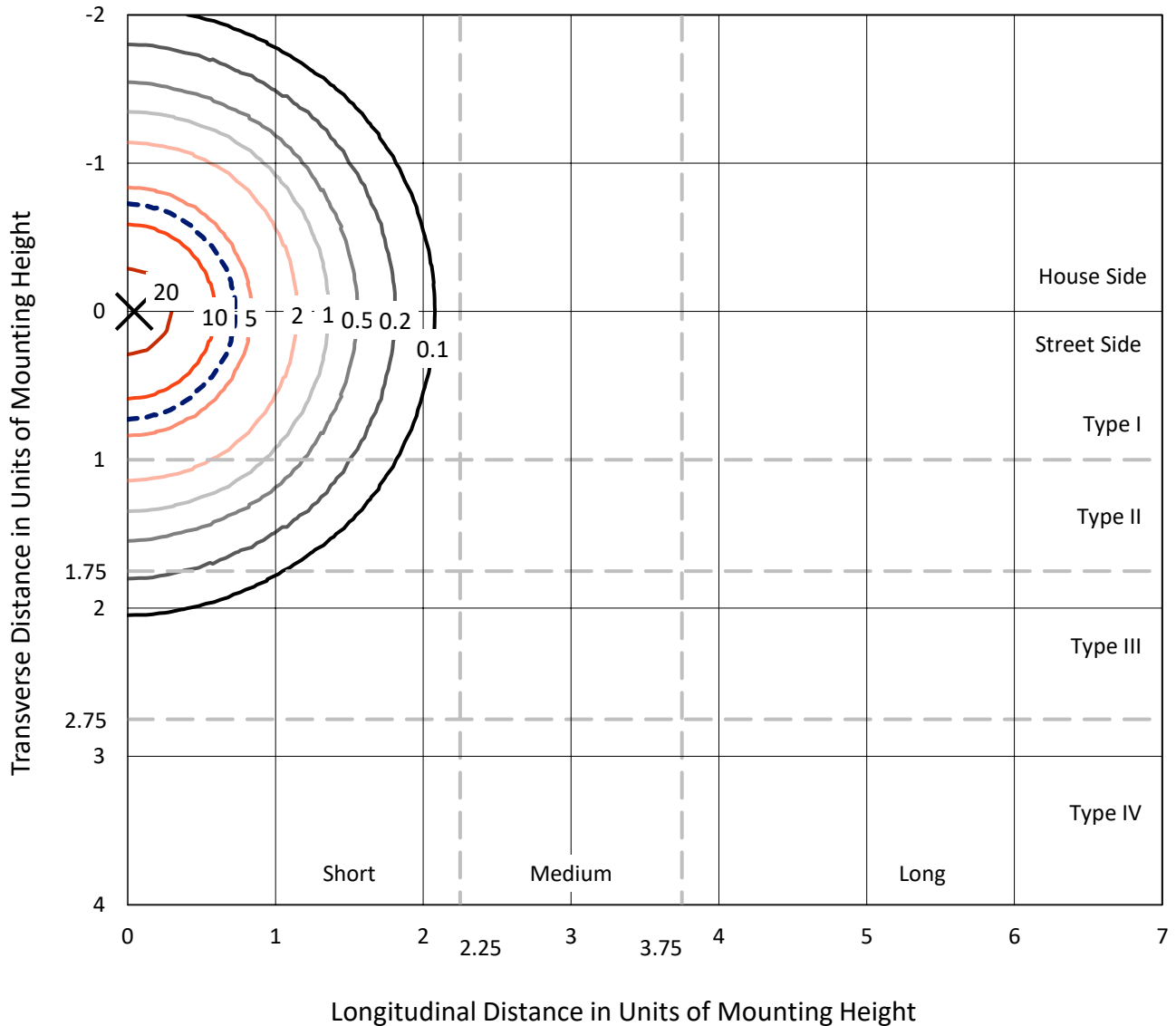
Lumens per Lamp: N/A
Luminaire Lumens: 23467.5 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6
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

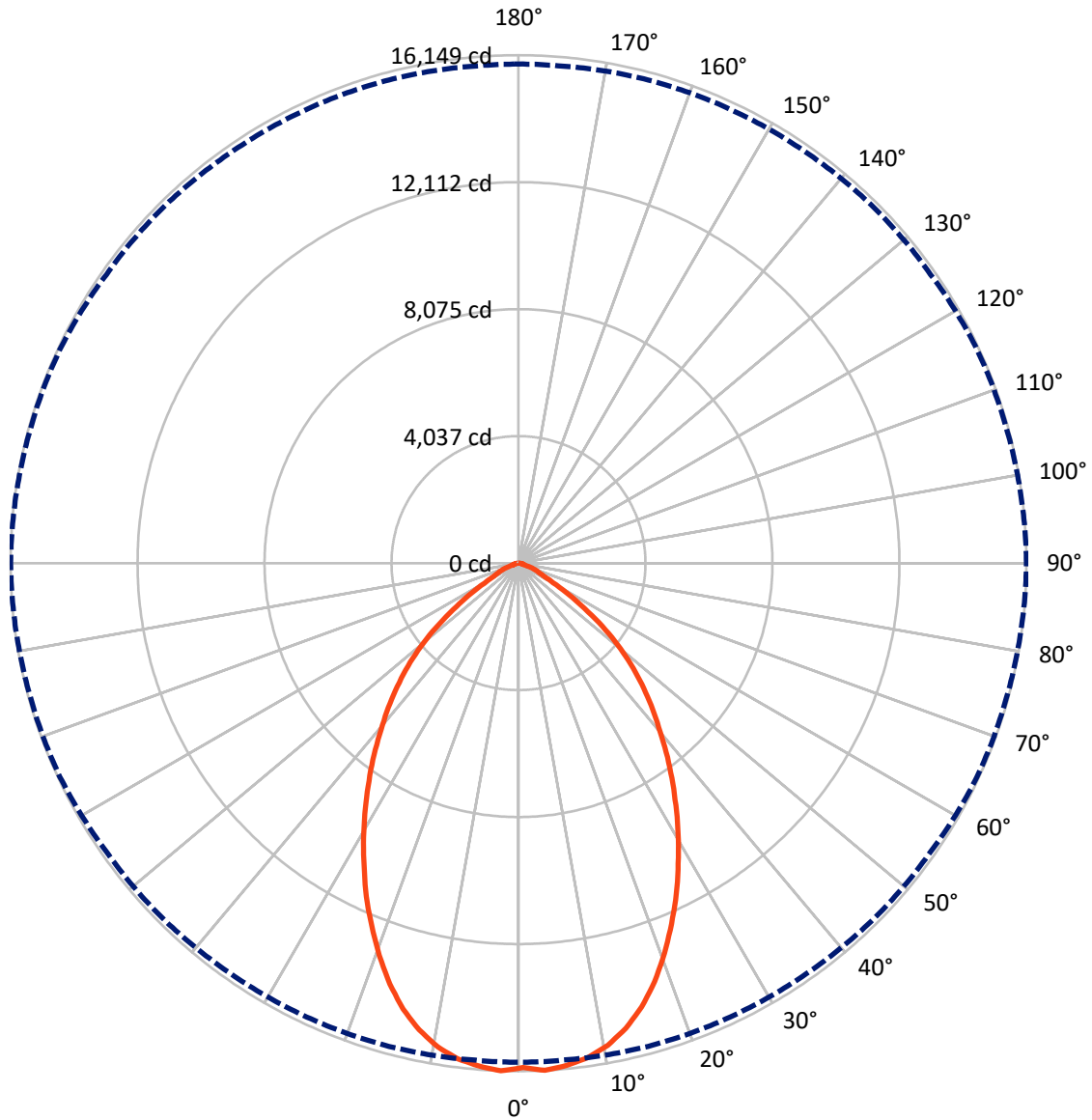
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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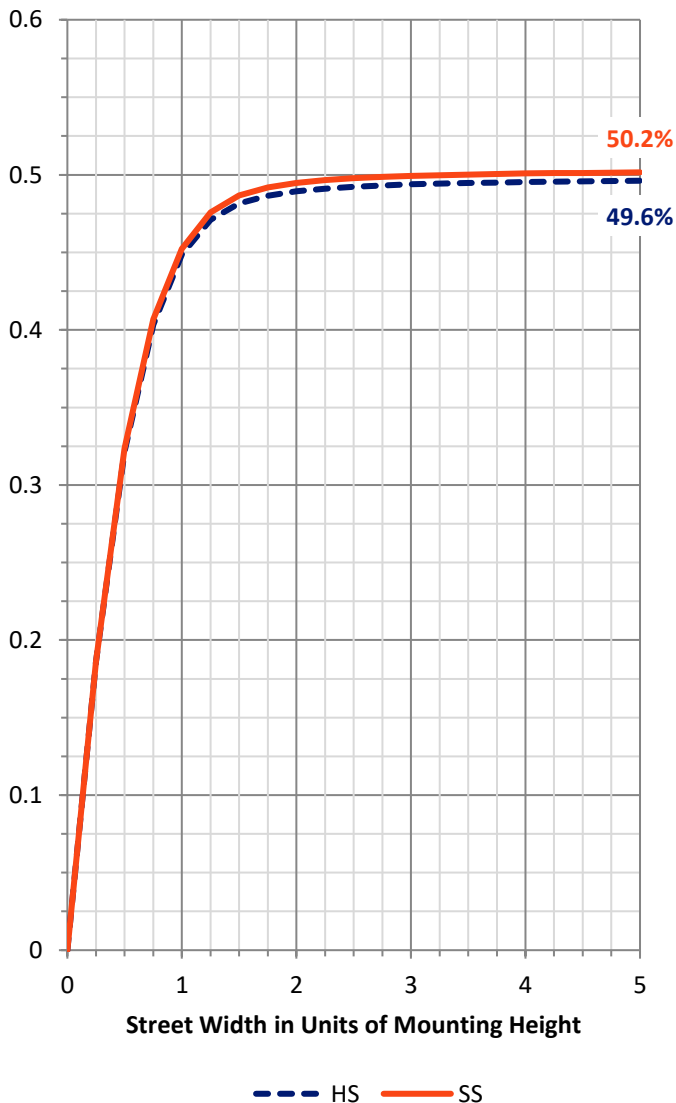
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11733.7	0.0	11733.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11733.7	0.0	11733.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	23467.5	0.0	23467.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1505.8	6.4
10°-20°	4046.2	17.2
20°-30°	5235.0	22.3
30°-40°	5163.0	22.0
40°-50°	4177.1	17.8
50°-60°	2274.3	9.7
60°-70°	720.6	3.1
70°-80°	278.8	1.2
80°-90°	66.6	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°	23467.5	100.0
0°-180°	23467.5	100.0



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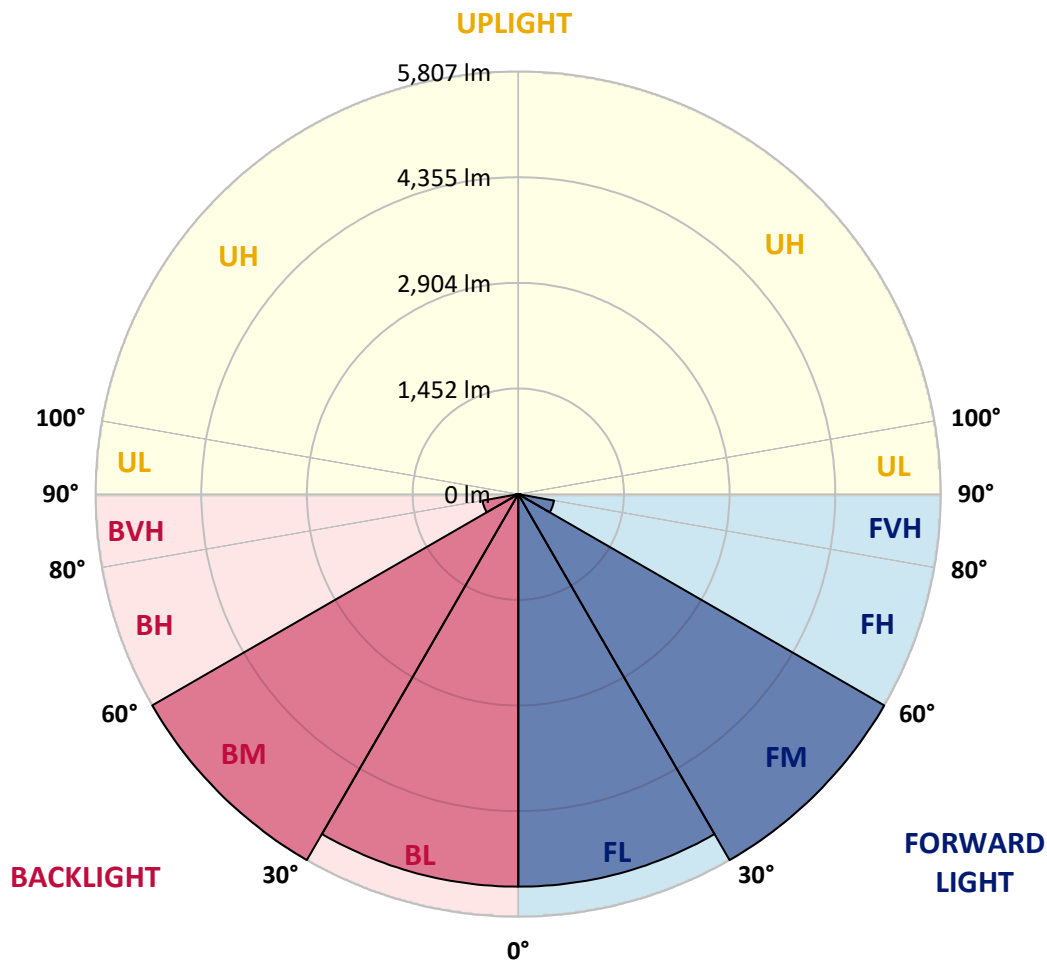
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5393.5	23.0			
FM (30°-60°)	5807.2	24.7			
FH (60°-80°)	499.7	2.1			G0/660
FVH (80°-90°)	33.3	0.1			G1/100
BL (0°-30°)	5393.5	23.0	B5		
BM (30°-60°)	5807.2	24.7	B4/8500		
BH (60°-80°)	499.7	2.1	B1/500		G0/660
BVH (80°-90°)	33.3	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°	90°
0°	16040.6	16040.6	16040.6	16040.6	16040.6	16040.6	16040.6	16040.6	16040.6	16040.6	16040.6
2.5°	15867.7	15864.3	15905.0	15922.0	15942.3	15983.0	15996.5	16084.7	16094.9	16128.8	16149.1
5°	15840.6	15827.0	15867.7	15874.5	15898.2	15905.0	15925.3	15986.4	15979.6	16030.5	16040.6
7.5°	15694.8	15677.8	15711.7	15718.5	15752.4	15742.3	15776.2	15820.2	15820.2	15857.5	15874.5
10°	15369.3	15365.9	15399.8	15403.2	15450.7	15440.5	15494.7	15504.9	15532.0	15559.2	15589.7
12.5°	14979.4	14935.3	14979.4	14962.4	15026.9	14989.6	15064.2	15087.9	15101.4	15148.9	15172.6
15°	14477.6	14423.3	14453.9	14436.9	14477.6	14430.1	14508.1	14555.6	14572.5	14620.0	14643.7
17.5°	13806.3	13762.2	13769.0	13745.2	13772.4	13735.1	13809.7	13884.2	13908.0	13958.8	13992.7
20°	12962.0	12962.0	12965.4	12945.1	12968.8	12931.5	12979.0	13094.2	13118.0	13185.8	13243.4
22.5°	12138.1	12138.1	12148.3	12121.2	12127.9	12111.0	12161.9	12273.7	12311.0	12382.2	12453.4
25°	11348.1	11334.6	11341.3	11317.6	11290.5	11297.3	11358.3	11429.5	11510.9	11602.4	11656.7
27.5°	10595.4	10612.4	10571.7	10554.7	10534.4	10497.1	10568.3	10656.5	10714.1	10788.7	10815.8
30°	9791.9	9825.8	9795.3	9781.7	9730.8	9683.4	9758.0	9846.1	9903.8	9975.0	10005.5
32.5°	9076.5	9066.3	9039.2	9008.7	8957.8	8920.5	8951.0	9052.7	9096.8	9171.4	9181.6
35°	8310.2	8303.4	8286.5	8225.4	8208.5	8164.4	8191.5	8279.7	8313.6	8357.7	8391.6
37.5°	7560.9	7537.2	7530.4	7506.6	7476.1	7466.0	7466.0	7513.4	7547.3	7591.4	7625.3
40°	6818.4	6825.1	6804.8	6784.5	6774.3	6760.7	6764.1	6791.2	6818.4	6838.7	6859.1
42.5°	6147.0	6109.7	6096.2	6075.8	6086.0	6103.0	6065.7	6106.4	6140.3	6140.3	6184.3
45°	5377.4	5394.3	5401.1	5435.0	5435.0	5418.1	5404.5	5424.9	5458.8	5455.4	5499.4
47.5°	4706.1	4685.7	4702.7	4753.5	4797.6	4804.4	4763.7	4773.9	4784.0	4767.1	4807.8
50°	3970.3	3977.1	3973.7	4051.7	4139.8	4109.3	4078.8	4089.0	4085.6	4085.6	4092.4
52.5°	3170.2	3187.1	3166.8	3278.6	3373.6	3349.8	3329.5	3329.5	3346.5	3343.1	3339.7
55°	2441.2	2434.4	2390.3	2444.6	2529.3	2532.7	2502.2	2515.8	2532.7	2549.7	2546.3
57.5°	1817.3	1797.0	1736.0	1739.3	1834.3	1858.0	1830.9	1827.5	1847.8	1854.6	1891.9
60°	1224.0	1220.6	1166.3	1163.0	1200.2	1264.7	1234.2	1234.2	1240.9	1251.1	1261.3
62.5°	837.5	844.2	823.9	820.5	827.3	881.5	878.1	874.8	871.4	884.9	881.5
65°	657.8	661.2	654.4	654.4	657.8	681.5	705.2	708.6	712.0	715.4	712.0
67.5°	528.9	532.3	525.5	532.3	532.3	535.7	569.6	583.2	586.6	586.6	583.2
70°	406.9	420.4	427.2	427.2	427.2	427.2	450.9	467.9	464.5	444.2	423.8
72.5°	203.4	247.5	342.4	345.8	342.4	339.1	352.6	369.6	366.2	257.7	193.3
75°	135.6	145.8	267.9	281.4	278.0	264.5	278.0	298.4	291.6	166.1	159.4
77.5°	78.0	84.8	179.7	206.8	223.8	193.3	220.4	240.7	230.6	135.6	132.2
80°	61.0	57.6	128.8	159.4	152.6	122.1	179.7	193.3	176.3	101.7	91.5
82.5°	37.3	37.3	84.8	122.1	111.9	71.2	125.4	149.2	132.2	74.6	67.8
85°	20.3	23.7	40.7	61.0	64.4	47.5	67.8	81.4	81.4	47.5	47.5
87.5°	10.2	10.2	13.6	13.6	17.0	20.3	20.3	23.7	17.0	13.6	13.6
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)