

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: P524136

Luminaire Tested: **IFLD-L-SA8B-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524136
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

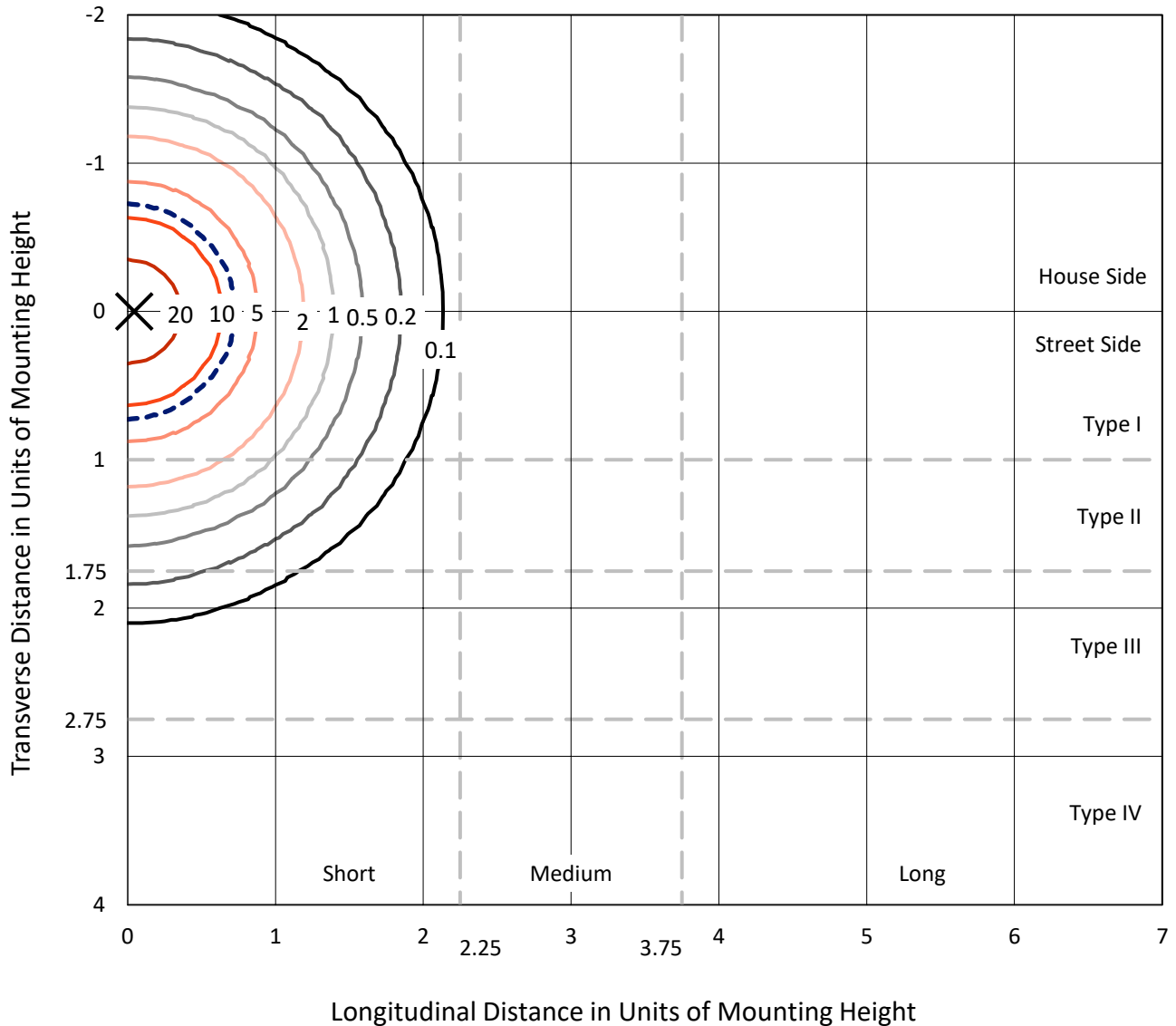
Lumens per Lamp: N/A
Luminaire Lumens: 26585.2 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

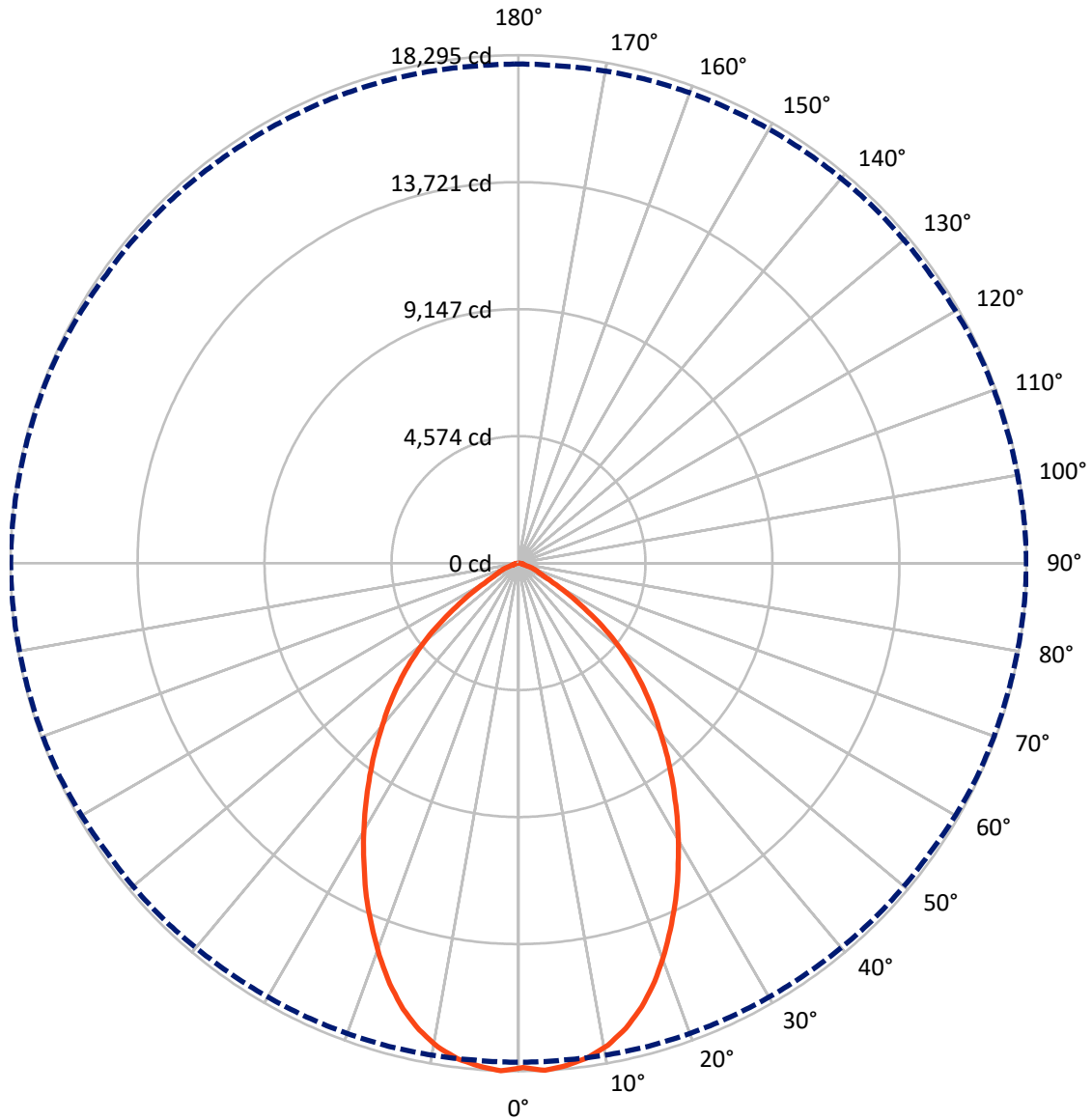
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.1 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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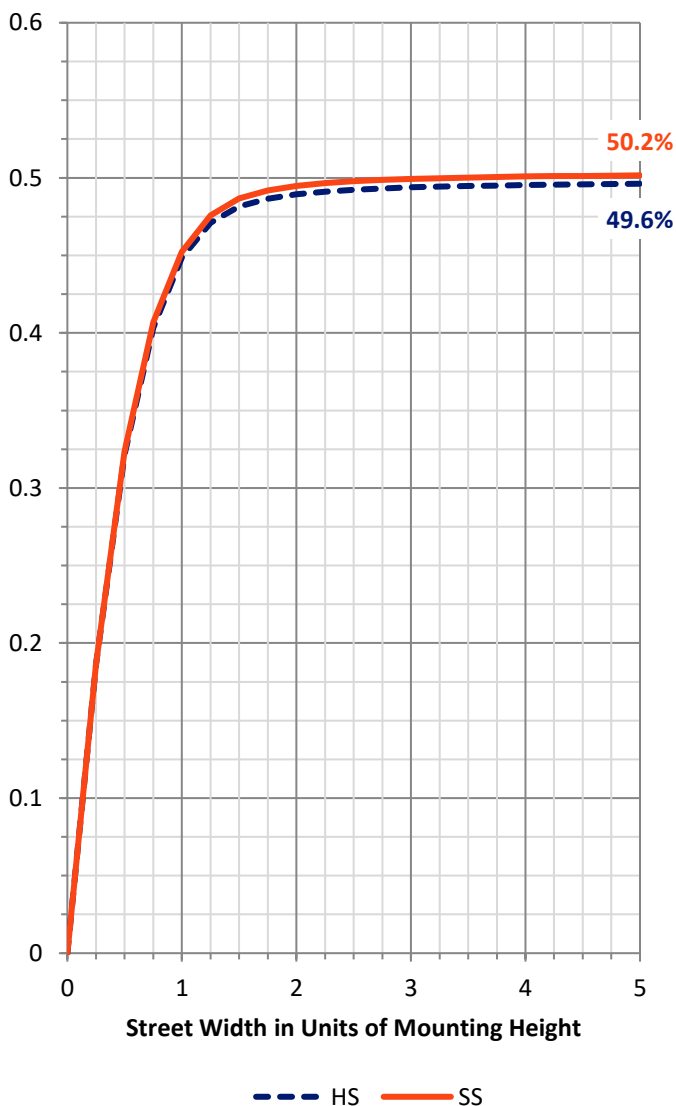
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13292.6	0.0	13292.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13292.6	0.0	13292.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	26585.2	0.0	26585.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1705.9	6.4
10°-20°	4583.8	17.2
20°-30°	5930.5	22.3
30°-40°	5848.9	22.0
40°-50°	4732.0	17.8
50°-60°	2576.4	9.7
60°-70°	816.3	3.1
70°-80°	315.8	1.2
80°-90°	75.5	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°	26585.2	100.0
0°-180°	26585.2	100.0

Coefficient of Utilization



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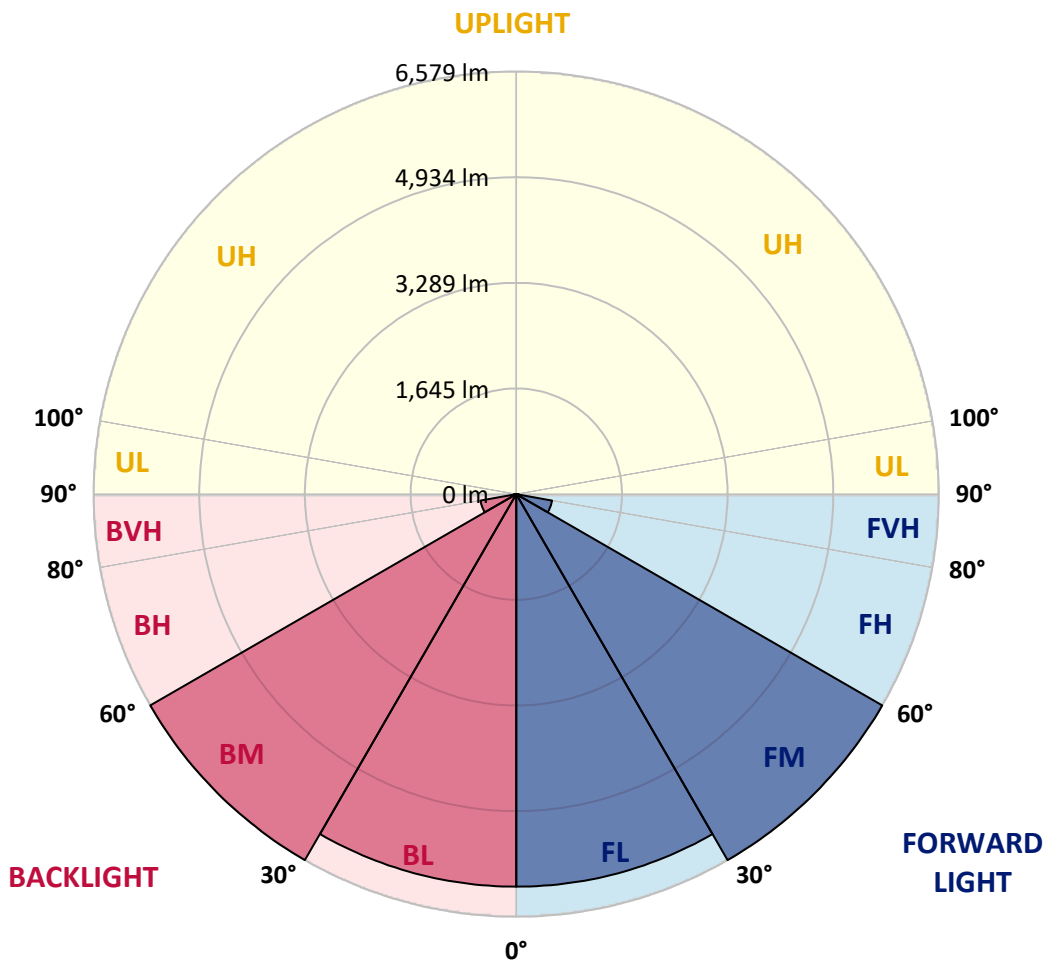
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6110.1	23.0			
FM (30°-60°)	6578.7	24.7			
FH (60°-80°)	566.1	2.1			G0/660
FVH (80°-90°)	37.8	0.1			G1/100
BL (0°-30°)	6110.1	23.0	B5		
BM (30°-60°)	6578.7	24.7	B4/8500		
BH (60°-80°)	566.1	2.1	B2/1000		G0/660
BVH (80°-90°)	37.8	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°	18171.7	18171.7	18171.7	18171.7	18171.7	18171.7	18171.7	18171.7	18171.7	18171.7	18171.7
2.5°	17975.8	17972.0	18018.0	18037.3	18060.3	18106.4	18121.8	18221.6	18233.1	18271.6	18294.6
5°	17945.1	17929.7	17975.8	17983.5	18010.4	18018.0	18041.1	18110.2	18102.6	18160.2	18171.7
7.5°	17779.9	17760.7	17799.1	17806.8	17845.2	17833.7	17872.1	17922.0	17922.0	17964.3	17983.5
10°	17411.2	17407.3	17445.7	17449.6	17503.4	17491.8	17553.3	17564.8	17595.5	17626.3	17660.8
12.5°	16969.5	16919.5	16969.5	16950.3	17023.2	16981.0	17065.5	17092.4	17107.7	17161.5	17188.4
15°	16401.0	16339.5	16374.1	16354.9	16401.0	16347.2	16435.6	16489.3	16508.5	16562.3	16589.2
17.5°	15640.5	15590.5	15598.2	15571.3	15602.1	15559.8	15644.3	15728.8	15755.7	15813.3	15851.7
20°	14684.1	14684.1	14687.9	14664.9	14691.8	14649.5	14703.3	14833.9	14860.8	14937.6	15002.9
22.5°	13750.7	13750.7	13762.2	13731.5	13739.2	13720.0	13777.6	13904.4	13946.6	14027.3	14107.9
25°	12855.8	12840.4	12848.1	12821.2	12790.5	12798.2	12867.3	12948.0	13040.1	13143.8	13205.3
27.5°	12003.1	12022.3	11976.2	11957.0	11933.9	11891.7	11972.3	12072.2	12137.5	12222.0	12252.7
30°	11092.8	11131.2	11096.6	11081.2	11023.6	10969.8	11054.3	11154.2	11219.5	11300.2	11334.7
32.5°	10282.3	10270.8	10240.1	10205.5	10147.9	10105.6	10140.2	10255.4	10305.4	10389.9	10401.4
35°	9414.2	9406.6	9387.4	9318.2	9299.0	9249.1	9279.8	9379.7	9418.1	9468.0	9506.4
37.5°	8565.4	8538.5	8530.8	8503.9	8469.4	8457.8	8457.8	8511.6	8550.0	8600.0	8638.4
40°	7724.2	7731.9	7708.9	7685.8	7674.3	7658.9	7662.8	7693.5	7724.2	7747.3	7770.3
42.5°	6963.7	6921.5	6906.1	6883.0	6894.6	6913.8	6871.5	6917.6	6956.0	6956.0	7006.0
45°	6091.8	6111.0	6118.7	6157.1	6157.1	6137.9	6122.5	6145.6	6184.0	6180.1	6230.1
47.5°	5331.3	5308.2	5327.4	5385.1	5435.0	5442.7	5396.6	5408.1	5419.6	5400.4	5446.5
50°	4497.8	4505.5	4501.6	4590.0	4689.8	4655.3	4620.7	4632.2	4628.4	4628.4	4636.1
52.5°	3591.3	3610.5	3587.5	3714.2	3821.8	3794.9	3771.8	3771.8	3791.0	3787.2	3783.4
55°	2765.5	2757.8	2707.9	2769.3	2865.4	2869.2	2834.6	2850.0	2869.2	2888.4	2884.6
57.5°	2058.8	2035.7	1966.6	1970.4	2078.0	2104.9	2074.1	2070.3	2093.3	2101.0	2143.3
60°	1386.6	1382.8	1321.3	1317.5	1359.7	1432.7	1398.1	1398.1	1405.8	1417.3	1428.8
62.5°	948.7	956.4	933.4	929.5	937.2	998.7	994.8	991.0	987.1	1002.5	998.7
65°	745.2	749.0	741.3	741.3	745.2	772.0	798.9	802.8	806.6	810.4	806.6
67.5°	599.2	603.0	595.4	603.0	603.0	606.9	645.3	660.6	664.5	664.5	660.6
70°	460.9	476.3	484.0	484.0	484.0	484.0	510.9	530.1	526.2	503.2	480.1
72.5°	230.5	280.4	387.9	391.8	387.9	384.1	399.5	418.7	414.8	291.9	218.9
75°	153.6	165.2	303.4	318.8	315.0	299.6	315.0	338.0	330.3	188.2	180.5
77.5°	88.3	96.0	203.6	234.3	253.5	218.9	249.7	272.7	261.2	153.6	149.8
80°	69.1	65.3	146.0	180.5	172.8	138.3	203.6	218.9	199.7	115.2	103.7
82.5°	42.3	42.3	96.0	138.3	126.8	80.7	142.1	169.0	149.8	84.5	76.8
85°	23.0	26.9	46.1	69.1	73.0	53.8	76.8	92.2	92.2	53.8	53.8
87.5°	11.5	11.5	15.4	15.4	19.2	23.0	23.0	26.9	19.2	15.4	15.4
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)