

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: P524174

Luminaire Tested: **IFLD-L-SA8A-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524174
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

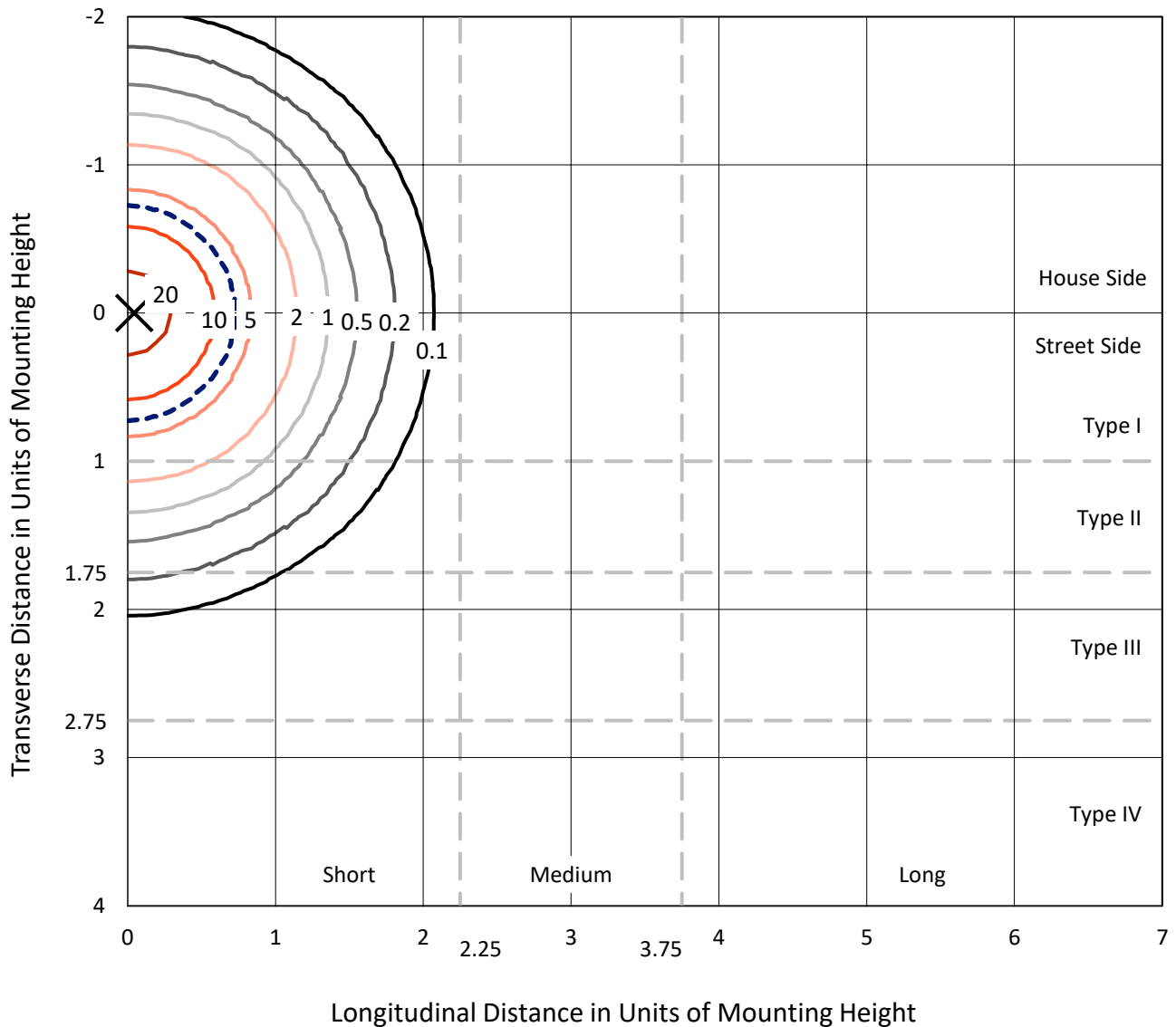
Lumens per Lamp: N/A
Luminaire Lumens: 23215.2 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

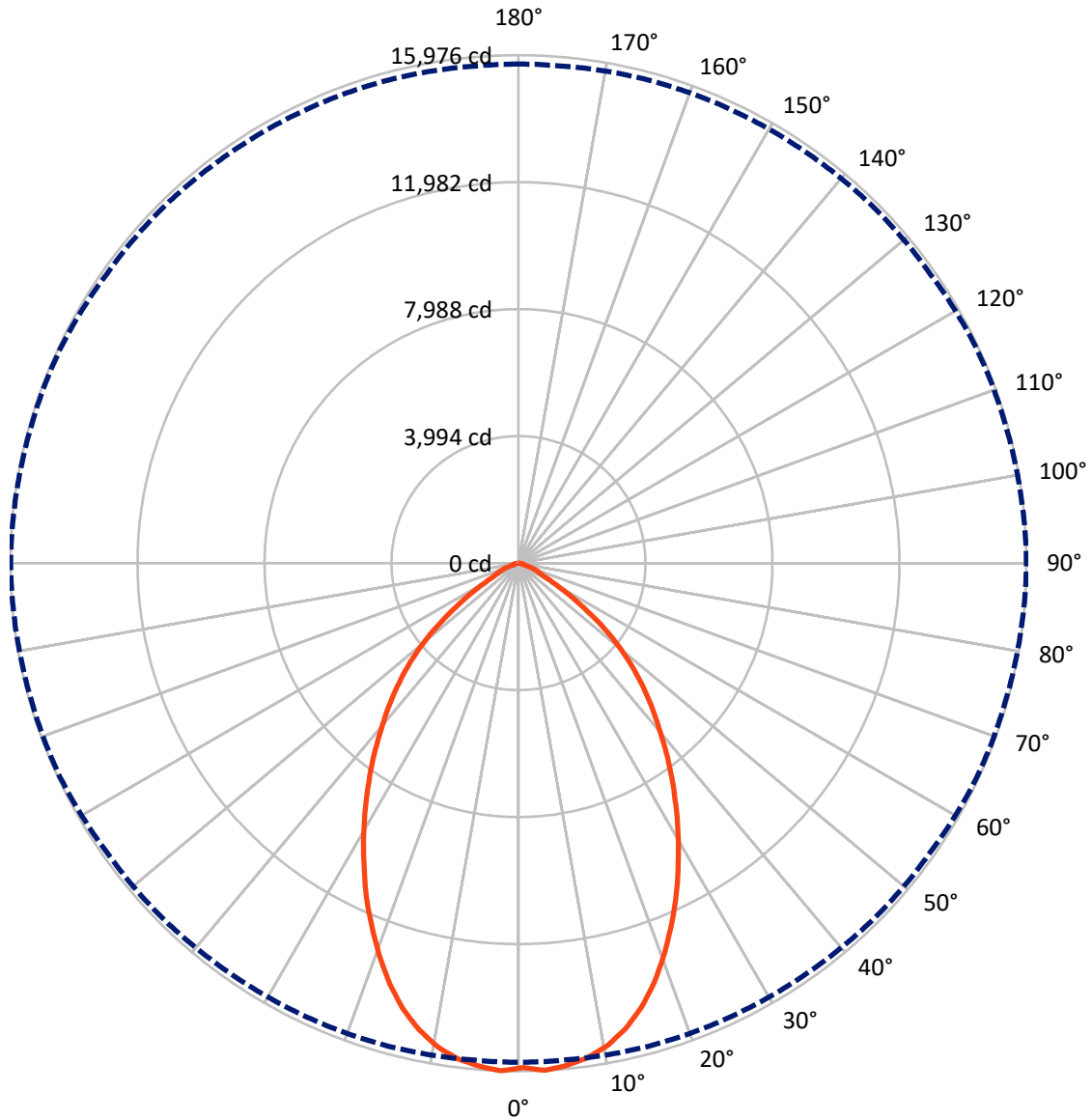
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.4 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	11607.6	0.0	11607.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11607.6	0.0	11607.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23215.2	0.0	23215.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1489.7	6.4
10°-20°	4002.7	17.2
20°-30°	5178.7	22.3
30°-40°	5107.5	22.0
40°-50°	4132.2	17.8
50°-60°	2249.8	9.7
60°-70°	712.9	3.1
70°-80°	275.8	1.2
80°-90°	65.9	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°	23215.2	100.0
0°-180°	23215.2	100.0

Coefficient of Utilization



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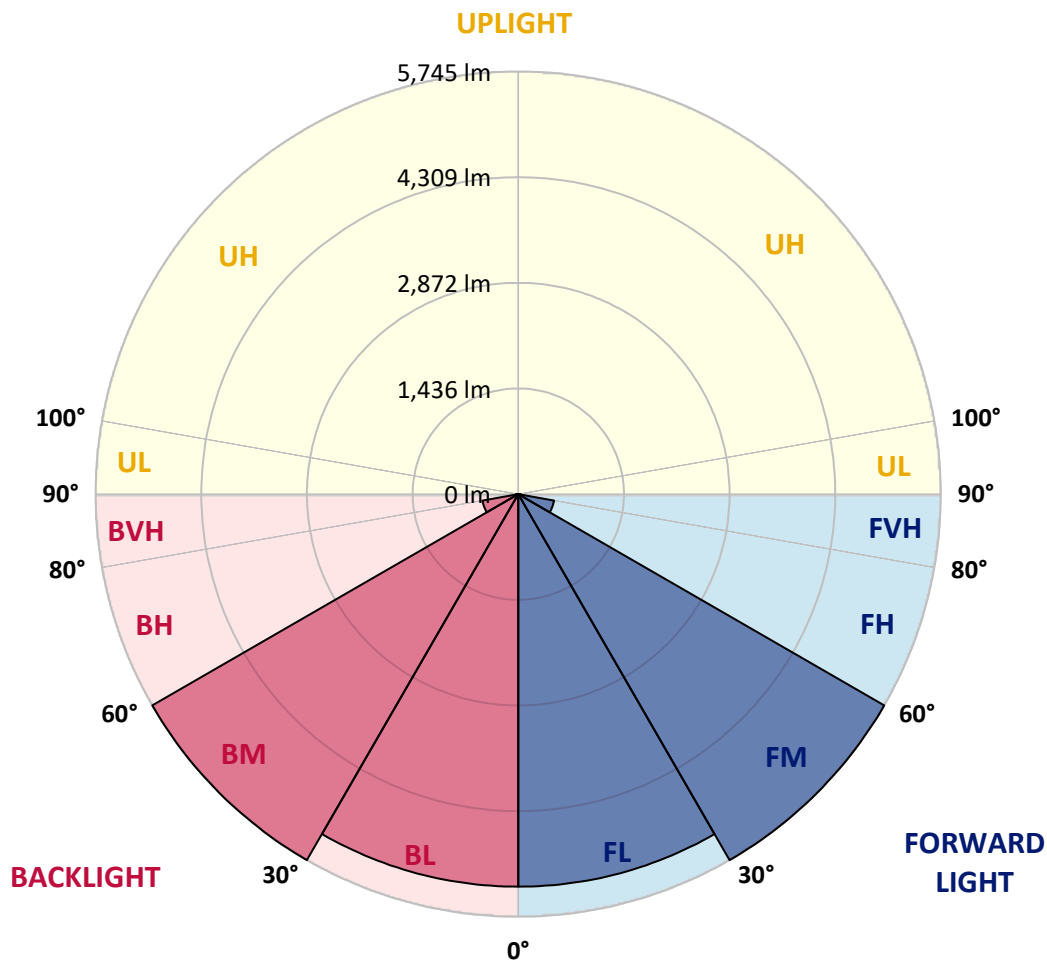
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5335.6	23.0			
FM (30°-60°)	5744.7	24.7			
FH (60°-80°)	494.3	2.1			G0/660
FVH (80°-90°)	33.0	0.1			G1/100
BL (0°-30°)	5335.6	23.0	B5		
BM (30°-60°)	5744.7	24.7	B4/8500		
BH (60°-80°)	494.3	2.1	B1/500		G0/660
BVH (80°-90°)	33.0	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°	15868.2	15868.2	15868.2	15868.2	15868.2	15868.2	15868.2	15868.2	15868.2	15868.2	15868.2
2.5°	15697.2	15693.8	15734.1	15750.8	15770.9	15811.2	15824.6	15911.8	15921.9	15955.4	15975.5
5°	15670.3	15656.9	15697.2	15703.9	15727.3	15734.1	15754.2	15814.6	15807.8	15858.2	15868.2
7.5°	15526.1	15509.3	15542.9	15549.6	15583.1	15573.1	15606.6	15650.2	15650.2	15687.1	15703.9
10°	15204.1	15200.8	15234.3	15237.6	15284.6	15274.5	15328.2	15338.3	15365.1	15391.9	15422.1
12.5°	14818.4	14774.8	14818.4	14801.6	14865.3	14828.4	14902.2	14925.7	14939.1	14986.1	15009.6
15°	14322.0	14268.3	14298.5	14281.7	14322.0	14275.0	14352.2	14399.1	14415.9	14462.9	14486.3
17.5°	13657.9	13614.3	13621.0	13597.5	13624.3	13587.4	13661.2	13735.0	13758.5	13808.8	13842.3
20°	12822.7	12822.7	12826.1	12805.9	12829.4	12792.5	12839.5	12953.5	12977.0	13044.1	13101.1
22.5°	12007.7	12007.7	12017.7	11990.9	11997.6	11980.8	12031.1	12141.8	12178.7	12249.1	12319.6
25°	11226.2	11212.7	11219.4	11196.0	11169.1	11175.8	11236.2	11306.6	11387.1	11477.7	11531.4
27.5°	10481.5	10498.3	10458.1	10441.3	10421.2	10384.3	10454.7	10541.9	10598.9	10672.7	10699.6
30°	9686.6	9720.2	9690.0	9676.6	9626.2	9579.3	9653.1	9740.3	9797.3	9867.7	9897.9
32.5°	8978.9	8968.8	8942.0	8911.8	8861.5	8824.6	8854.8	8955.4	8999.0	9072.8	9082.9
35°	8220.9	8214.2	8197.4	8137.0	8120.3	8076.7	8103.5	8190.7	8224.2	8267.8	8301.4
37.5°	7479.6	7456.2	7449.4	7426.0	7395.8	7385.7	7385.7	7432.7	7466.2	7509.8	7543.4
40°	6745.1	6751.8	6731.7	6711.5	6701.5	6688.1	6691.4	6718.2	6745.1	6765.2	6785.3
42.5°	6081.0	6044.1	6030.7	6010.5	6020.6	6037.4	6000.5	6040.7	6074.3	6074.3	6117.9
45°	5319.6	5336.4	5343.1	5376.6	5376.6	5359.8	5346.4	5366.5	5400.1	5396.7	5440.3
47.5°	4655.5	4635.4	4652.1	4702.4	4746.0	4752.8	4712.5	4722.6	4732.6	4715.9	4756.1
50°	3927.6	3934.4	3931.0	4008.1	4095.3	4065.2	4035.0	4045.0	4041.7	4041.7	4048.4
52.5°	3136.1	3152.8	3132.7	3243.4	3337.3	3313.8	3293.7	3293.7	3310.5	3307.1	3303.8
55°	2414.9	2408.2	2364.6	2418.3	2502.2	2505.5	2475.3	2488.7	2505.5	2522.3	2518.9
57.5°	1797.8	1777.7	1717.3	1720.7	1814.6	1838.0	1811.2	1807.9	1828.0	1834.7	1871.6
60°	1210.8	1207.5	1153.8	1150.5	1187.3	1251.1	1220.9	1220.9	1227.6	1237.7	1247.7
62.5°	828.5	835.2	815.0	811.7	818.4	872.1	868.7	865.4	862.0	875.4	872.1
65°	650.7	654.0	647.3	647.3	650.7	674.2	697.7	701.0	704.4	707.7	704.4
67.5°	523.2	526.6	519.9	526.6	526.6	529.9	563.5	576.9	580.3	580.3	576.9
70°	402.5	415.9	422.6	422.6	422.6	422.6	446.1	462.9	459.5	439.4	419.3
72.5°	201.2	244.8	338.8	342.1	338.8	335.4	348.8	365.6	362.2	254.9	191.2
75°	134.2	144.2	265.0	278.4	275.0	261.6	275.0	295.2	288.5	164.4	157.6
77.5°	77.1	83.9	177.8	204.6	221.4	191.2	218.0	238.1	228.1	134.2	130.8
80°	60.4	57.0	127.5	157.6	150.9	120.7	177.8	191.2	174.4	100.6	90.6
82.5°	36.9	36.9	83.9	120.7	110.7	70.4	124.1	147.6	130.8	73.8	67.1
85°	20.1	23.5	40.2	60.4	63.7	47.0	67.1	80.5	80.5	47.0	47.0
87.5°	10.1	10.1	13.4	13.4	16.8	20.1	20.1	23.5	16.8	13.4	13.4
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)