

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: P524146

Luminaire Tested: **IFLD-S-SA3C-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524146
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

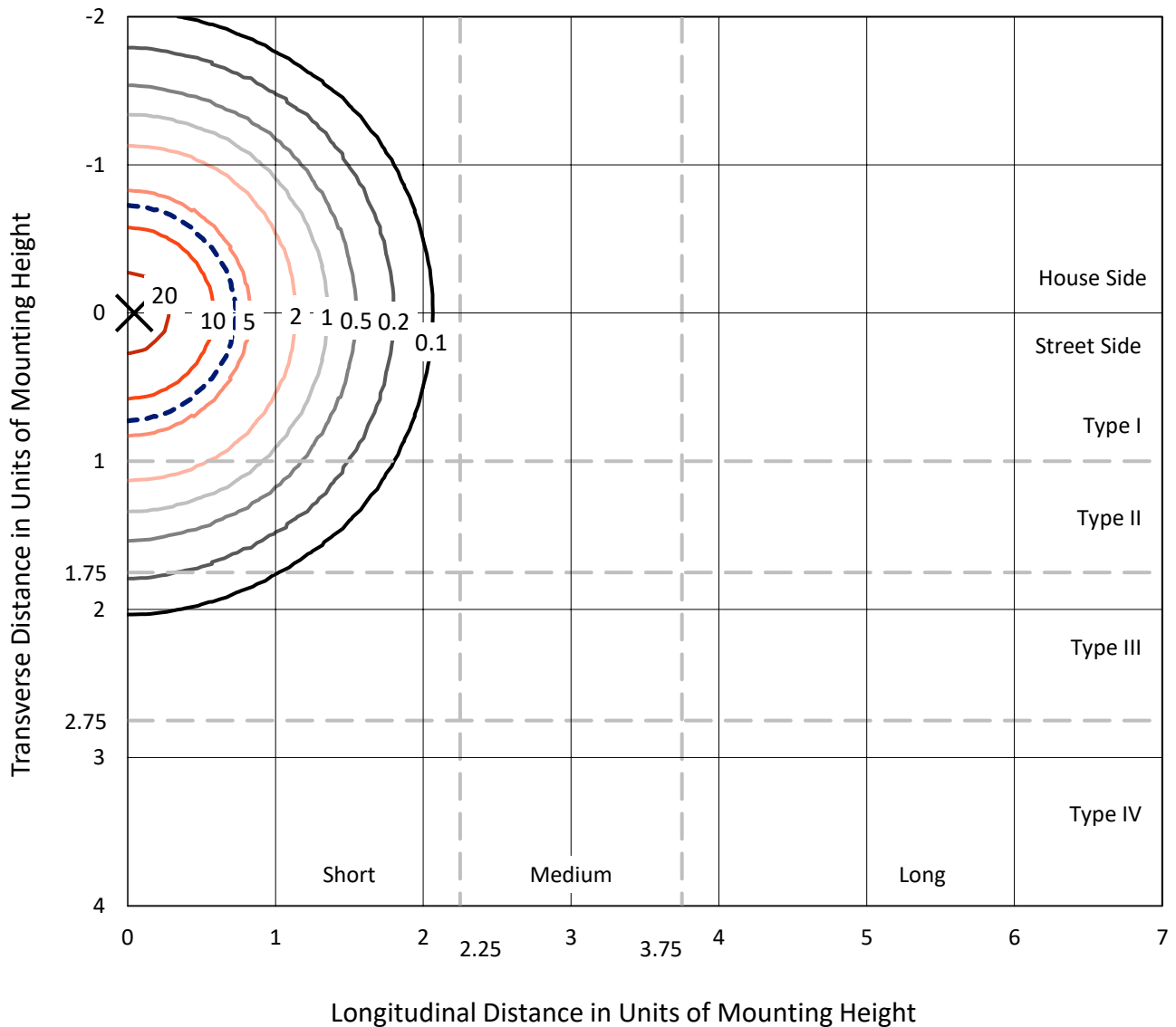
Lumens per Lamp: N/A
Luminaire Lumens: 14593.2 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 160.8
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

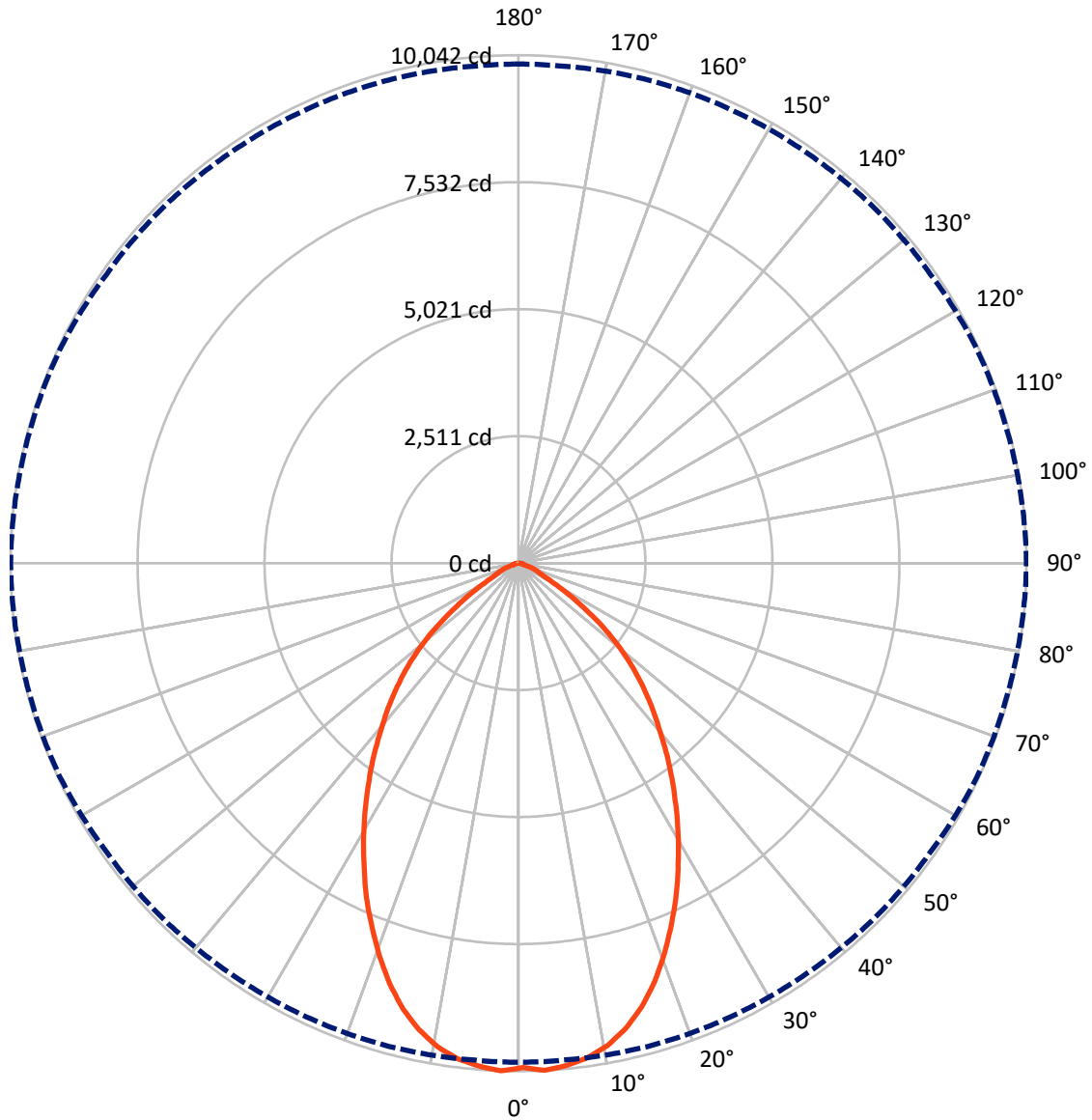
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 24.9 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	7296.6	0.0	7296.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7296.6	0.0	7296.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14593.2	0.0	14593.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.4	6.4
10°-20°	2516.1	17.2
20°-30°	3255.4	22.3
30°-40°	3210.6	22.0
40°-50°	2597.5	17.8
50°-60°	1414.3	9.7
60°-70°	448.1	3.1
70°-80°	173.4	1.2
80°-90°	41.4	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°	14593.2	100.0
0°-180°	14593.2	100.0

Coefficient of Utilization



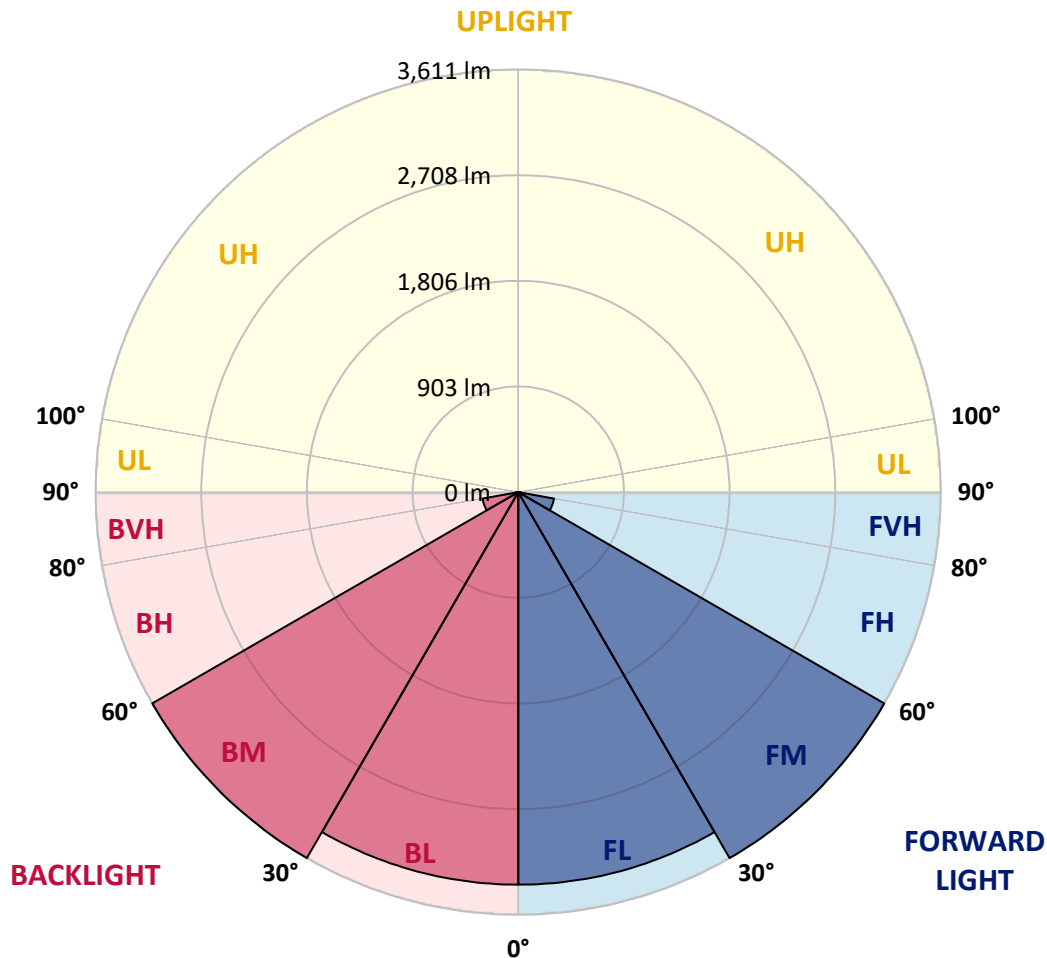
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3353.9	23.0			
FM (30°-60°)	3611.2	24.7			
FH (60°-80°)	310.7	2.1			G0/660
FVH (80°-90°)	20.7	0.1			G1/100
BL (0°-30°)	3353.9	23.0	B4/5000		
BM (30°-60°)	3611.2	24.7	B3/5000		
BH (60°-80°)	310.7	2.1	B1/500		G0/660
BVH (80°-90°)	20.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9974.8	9974.8	9974.8	9974.8	9974.8	9974.8	9974.8	9974.8	9974.8	9974.8	9974.8
2.5°	9867.3	9865.2	9890.5	9901.0	9913.7	9939.0	9947.4	10002.2	10008.5	10029.6	10042.3
5°	9850.4	9842.0	9867.3	9871.5	9886.3	9890.5	9903.1	9941.1	9936.9	9968.5	9974.8
7.5°	9759.8	9749.2	9770.3	9774.5	9795.6	9789.3	9810.4	9837.8	9837.8	9861.0	9871.5
10°	9557.3	9555.2	9576.3	9578.4	9607.9	9601.6	9635.4	9641.7	9658.5	9675.4	9694.4
12.5°	9314.9	9287.5	9314.9	9304.3	9344.4	9321.2	9367.6	9382.3	9390.8	9420.3	9435.1
15°	9002.8	8969.1	8988.1	8977.5	9002.8	8973.3	9021.8	9051.3	9061.9	9091.4	9106.1
17.5°	8585.4	8558.0	8562.2	8547.4	8564.3	8541.1	8587.5	8633.9	8648.6	8680.3	8701.3
20°	8060.4	8060.4	8062.5	8049.8	8064.6	8041.4	8070.9	8142.6	8157.4	8199.5	8235.4
22.5°	7548.0	7548.0	7554.4	7537.5	7541.7	7531.2	7562.8	7632.4	7655.6	7699.9	7744.1
25°	7056.8	7048.4	7052.6	7037.8	7020.9	7025.2	7063.1	7107.4	7158.0	7214.9	7248.7
27.5°	6588.7	6599.3	6574.0	6563.4	6550.8	6527.6	6571.9	6626.7	6662.5	6708.9	6725.8
30°	6089.0	6110.1	6091.1	6082.7	6051.1	6021.6	6068.0	6122.8	6158.6	6202.9	6221.9
32.5°	5644.2	5637.8	5621.0	5602.0	5570.4	5547.2	5566.2	5629.4	5656.8	5703.2	5709.5
35°	5167.7	5163.5	5152.9	5115.0	5104.4	5077.0	5093.9	5148.7	5169.8	5197.2	5218.3
37.5°	4701.7	4687.0	4682.7	4668.0	4649.0	4642.7	4642.7	4672.2	4693.3	4720.7	4741.8
40°	4240.0	4244.2	4231.5	4218.9	4212.6	4204.1	4206.2	4223.1	4240.0	4252.6	4265.3
42.5°	3822.5	3799.3	3790.9	3778.2	3784.6	3795.1	3771.9	3797.2	3818.3	3818.3	3845.7
45°	3343.9	3354.5	3358.7	3379.8	3379.8	3369.2	3360.8	3373.4	3394.5	3392.4	3419.8
47.5°	2926.4	2913.8	2924.3	2956.0	2983.4	2987.6	2962.3	2968.6	2974.9	2964.4	2989.7
50°	2468.9	2473.1	2471.0	2519.5	2574.3	2555.4	2536.4	2542.7	2540.6	2540.6	2544.8
52.5°	1971.3	1981.9	1969.2	2038.8	2097.9	2083.1	2070.4	2070.4	2081.0	2078.9	2076.8
55°	1518.0	1513.8	1486.4	1520.2	1572.9	1575.0	1556.0	1564.4	1575.0	1585.5	1583.4
57.5°	1130.1	1117.4	1079.5	1081.6	1140.6	1155.4	1138.5	1136.4	1149.1	1153.3	1176.5
60°	761.1	759.0	725.3	723.2	746.4	786.4	767.5	767.5	771.7	778.0	784.3
62.5°	520.8	525.0	512.3	510.2	514.4	548.2	546.1	544.0	541.9	550.3	548.2
65°	409.0	411.1	406.9	406.9	409.0	423.8	438.5	440.7	442.8	444.9	442.8
67.5°	328.9	331.0	326.8	331.0	331.0	333.1	354.2	362.6	364.8	364.8	362.6
70°	253.0	261.4	265.7	265.7	265.7	265.7	280.4	291.0	288.8	276.2	263.5
72.5°	126.5	153.9	212.9	215.1	212.9	210.8	219.3	229.8	227.7	160.2	120.2
75°	84.3	90.7	166.6	175.0	172.9	164.5	172.9	185.5	181.3	103.3	99.1
77.5°	48.5	52.7	111.7	128.6	139.2	120.2	137.0	149.7	143.4	84.3	82.2
80°	38.0	35.8	80.1	99.1	94.9	75.9	111.7	120.2	109.6	63.3	56.9
82.5°	23.2	23.2	52.7	75.9	69.6	44.3	78.0	92.8	82.2	46.4	42.2
85°	12.7	14.8	25.3	38.0	40.1	29.5	42.2	50.6	50.6	29.5	29.5
87.5°	6.3	6.3	8.4	8.4	10.5	12.7	12.7	14.8	10.5	8.4	8.4
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)