

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: P524187

Luminaire Tested: **IFLD-S-SA3E-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524187
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

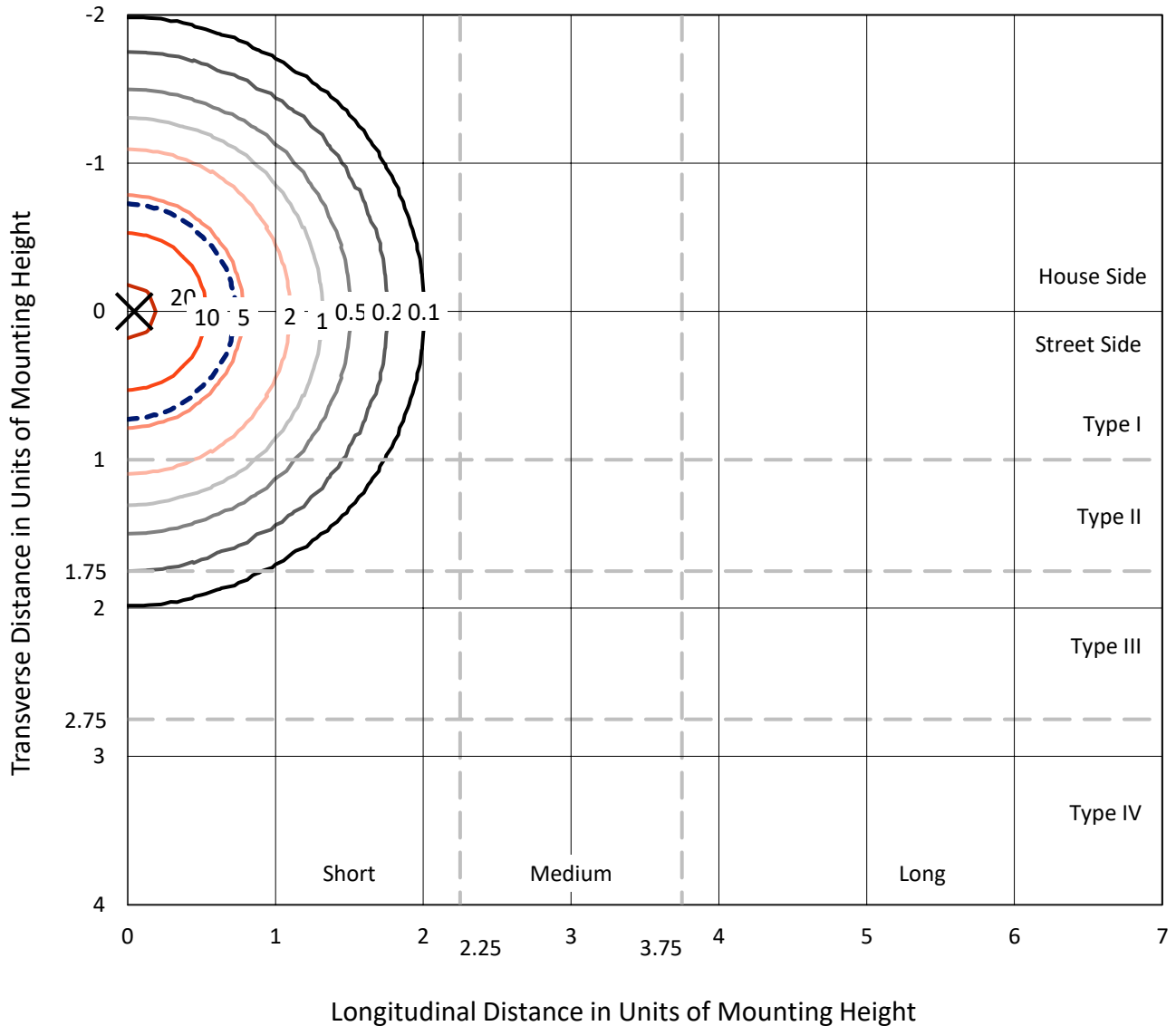
Lumens per Lamp: N/A
Luminaire Lumens: 20223.2 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 232.1
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

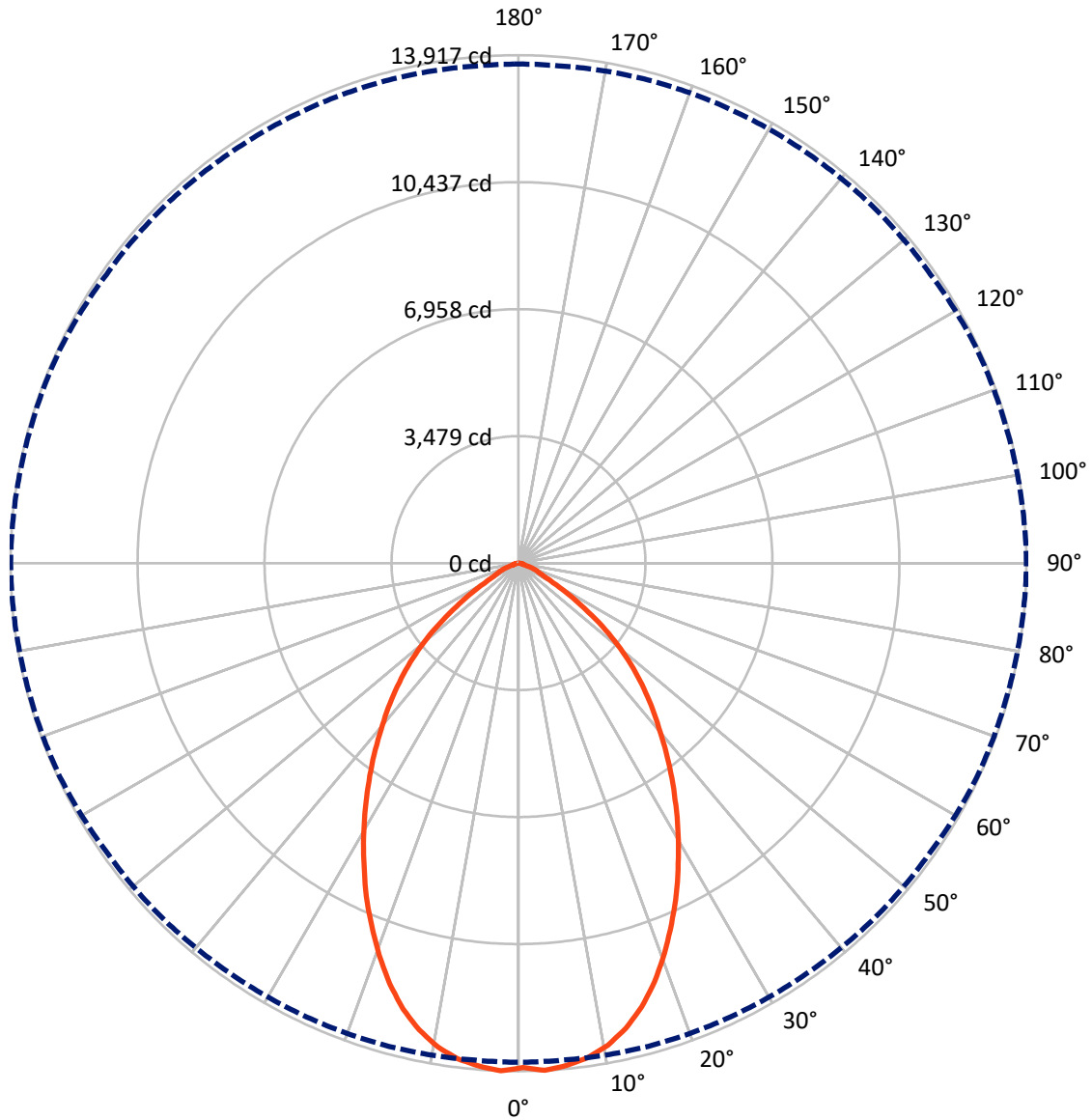
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.1 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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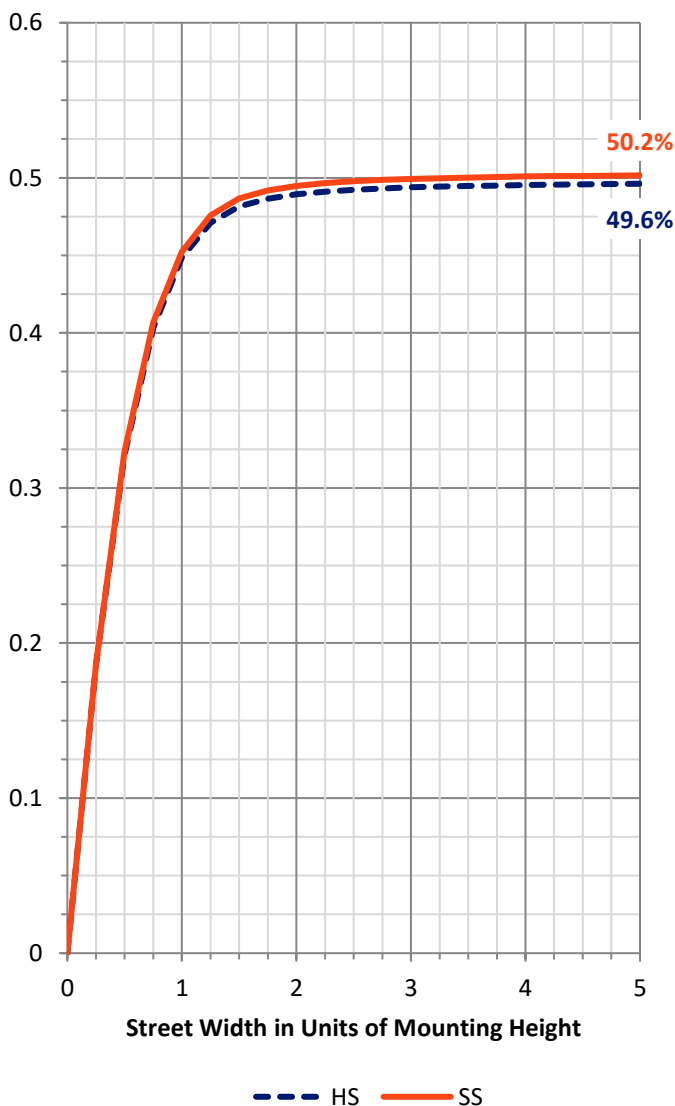
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10111.6	0.0	10111.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10111.6	0.0	10111.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20223.2	0.0	20223.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1297.7	6.4
10°-20°	3486.9	17.2
20°-30°	4511.3	22.3
30°-40°	4449.2	22.0
40°-50°	3599.6	17.8
50°-60°	1959.9	9.7
60°-70°	621.0	3.1
70°-80°	240.3	1.2
80°-90°	57.4	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°	20223.2	100.0
0°-180°	20223.2	100.0

Coefficient of Utilization



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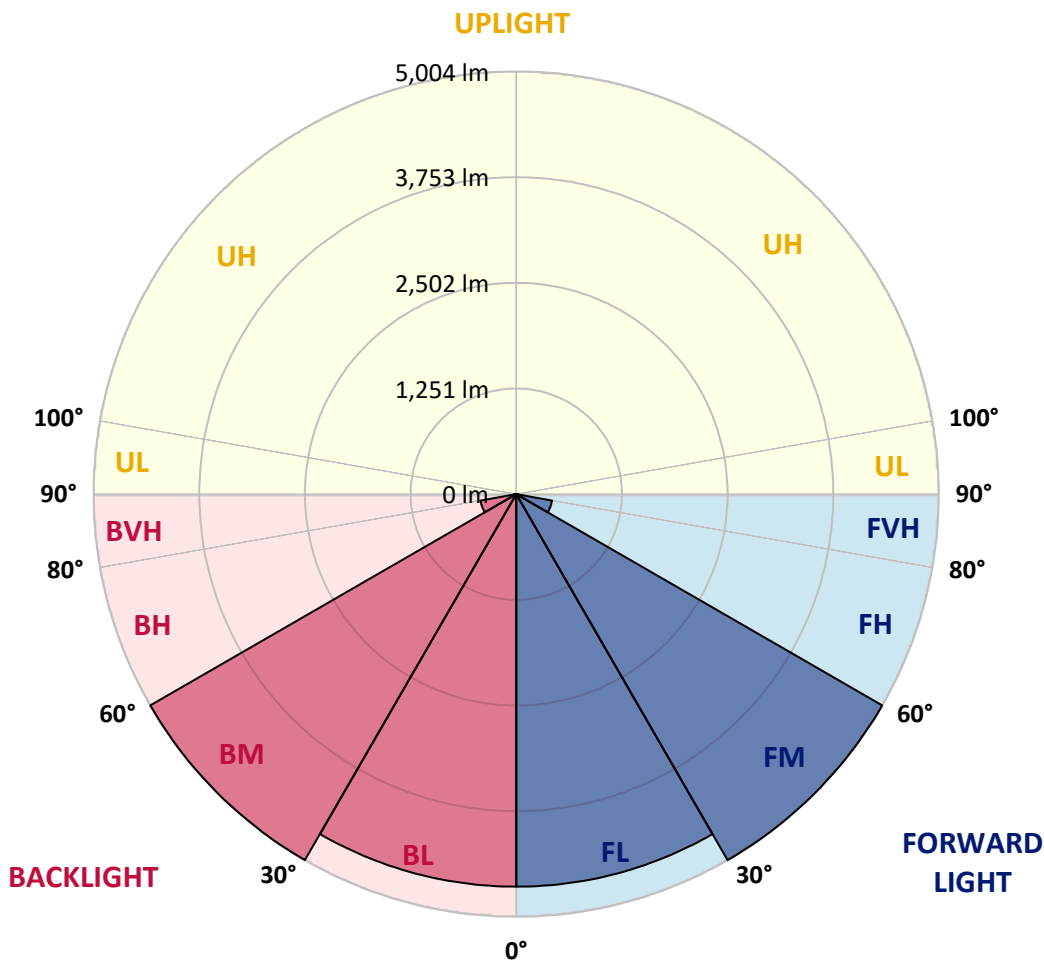
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4647.9	23.0			
FM (30°-60°)	5004.4	24.7			
FH (60°-80°)	430.6	2.1			G0/660
FVH (80°-90°)	28.7	0.1			G1/100
BL (0°-30°)	4647.9	23.0	B4/5000		
BM (30°-60°)	5004.4	24.7	B4/8500		
BH (60°-80°)	430.6	2.1	B1/500		G0/660
BVH (80°-90°)	28.7	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°	13823.1	13823.1	13823.1	13823.1	13823.1	13823.1	13823.1	13823.1	13823.1	13823.1	13823.1
2.5°	13674.1	13671.1	13706.2	13720.8	13738.3	13773.4	13785.1	13861.1	13869.8	13899.0	13916.6
5°	13650.7	13639.0	13674.1	13679.9	13700.4	13706.2	13723.7	13776.3	13770.5	13814.3	13823.1
7.5°	13525.0	13510.4	13539.7	13545.5	13574.7	13566.0	13595.2	13633.2	13633.2	13665.3	13679.9
10°	13244.6	13241.6	13270.8	13273.8	13314.7	13305.9	13352.7	13361.4	13384.8	13408.2	13434.5
12.5°	12908.5	12870.6	12908.5	12893.9	12949.5	12917.3	12981.6	13002.0	13013.7	13054.6	13075.1
15°	12476.1	12429.4	12455.7	12441.1	12476.1	12435.2	12502.4	12543.3	12557.9	12598.8	12619.3
17.5°	11897.6	11859.6	11865.5	11845.0	11868.4	11836.2	11900.5	11964.8	11985.3	12029.1	12058.3
20°	11170.1	11170.1	11173.0	11155.5	11175.9	11143.8	11184.7	11284.0	11304.5	11362.9	11412.6
22.5°	10460.1	10460.1	10468.8	10445.5	10451.3	10436.7	10480.5	10576.9	10609.1	10670.4	10731.8
25°	9779.3	9767.6	9773.4	9753.0	9729.6	9735.5	9788.1	9849.4	9919.5	9998.4	10045.2
27.5°	9130.6	9145.3	9110.2	9095.6	9078.1	9045.9	9107.3	9183.2	9232.9	9297.2	9320.6
30°	8438.2	8467.4	8441.1	8429.4	8385.6	8344.7	8409.0	8484.9	8534.6	8596.0	8622.3
32.5°	7821.7	7812.9	7789.5	7763.2	7719.4	7687.3	7713.6	7801.2	7839.2	7903.5	7912.3
35°	7161.4	7155.5	7140.9	7088.3	7073.7	7035.7	7059.1	7135.1	7164.3	7202.3	7231.5
37.5°	6515.6	6495.2	6489.3	6468.9	6442.6	6433.8	6433.8	6474.7	6503.9	6541.9	6571.1
40°	5875.8	5881.6	5864.1	5846.5	5837.8	5826.1	5829.0	5852.4	5875.8	5893.3	5910.8
42.5°	5297.2	5265.1	5253.4	5235.9	5244.6	5259.3	5227.1	5262.2	5291.4	5291.4	5329.4
45°	4634.0	4648.6	4654.4	4683.7	4683.7	4669.0	4657.4	4674.9	4704.1	4701.2	4739.2
47.5°	4055.5	4037.9	4052.5	4096.4	4134.4	4140.2	4105.1	4113.9	4122.7	4108.1	4143.1
50°	3421.4	3427.3	3424.4	3491.6	3567.5	3541.2	3514.9	3523.7	3520.8	3520.8	3526.6
52.5°	2731.9	2746.5	2729.0	2825.4	2907.2	2886.7	2869.2	2869.2	2883.8	2880.9	2878.0
55°	2103.7	2097.9	2059.9	2106.6	2179.7	2182.6	2156.3	2168.0	2182.6	2197.2	2194.3
57.5°	1566.1	1548.6	1496.0	1498.9	1580.7	1601.2	1577.8	1574.9	1592.4	1598.2	1630.4
60°	1054.8	1051.9	1005.1	1002.2	1034.3	1089.8	1063.5	1063.5	1069.4	1078.1	1086.9
62.5°	721.7	727.5	710.0	707.1	712.9	759.7	756.7	753.8	750.9	762.6	759.7
65°	566.8	569.8	563.9	563.9	566.8	587.3	607.7	610.7	613.6	616.5	613.6
67.5°	455.8	458.7	452.9	458.7	458.7	461.6	490.9	502.6	505.5	505.5	502.6
70°	350.6	362.3	368.1	368.1	368.1	368.1	388.6	403.2	400.3	382.8	365.2
72.5°	175.3	213.3	295.1	298.0	295.1	292.2	303.9	318.5	315.6	222.1	166.5
75°	116.9	125.6	230.8	242.5	239.6	227.9	239.6	257.1	251.3	143.2	137.3
77.5°	67.2	73.0	154.9	178.2	192.8	166.5	189.9	207.4	198.7	116.9	114.0
80°	52.6	49.7	111.0	137.3	131.5	105.2	154.9	166.5	151.9	87.7	78.9
82.5°	32.1	32.1	73.0	105.2	96.4	61.4	108.1	128.6	114.0	64.3	58.4
85°	17.5	20.5	35.1	52.6	55.5	40.9	58.4	70.1	70.1	40.9	40.9
87.5°	8.8	8.8	11.7	11.7	14.6	17.5	17.5	20.5	14.6	11.7	11.7
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)