

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: P524132

Luminaire Tested: **IFLD-L-SA7C-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524132
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

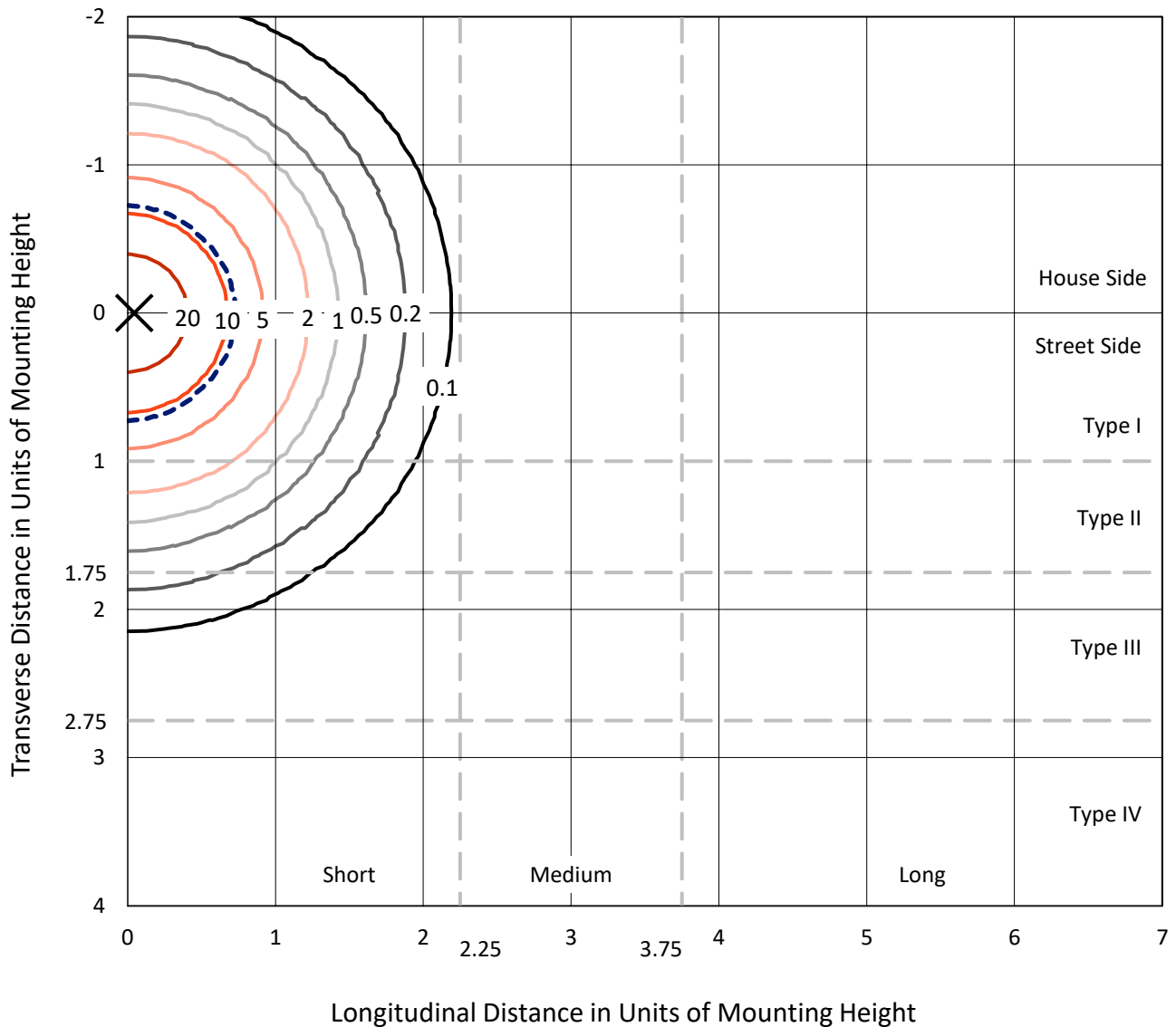
Lumens per Lamp: N/A
Luminaire Lumens: 29437.9 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 369
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

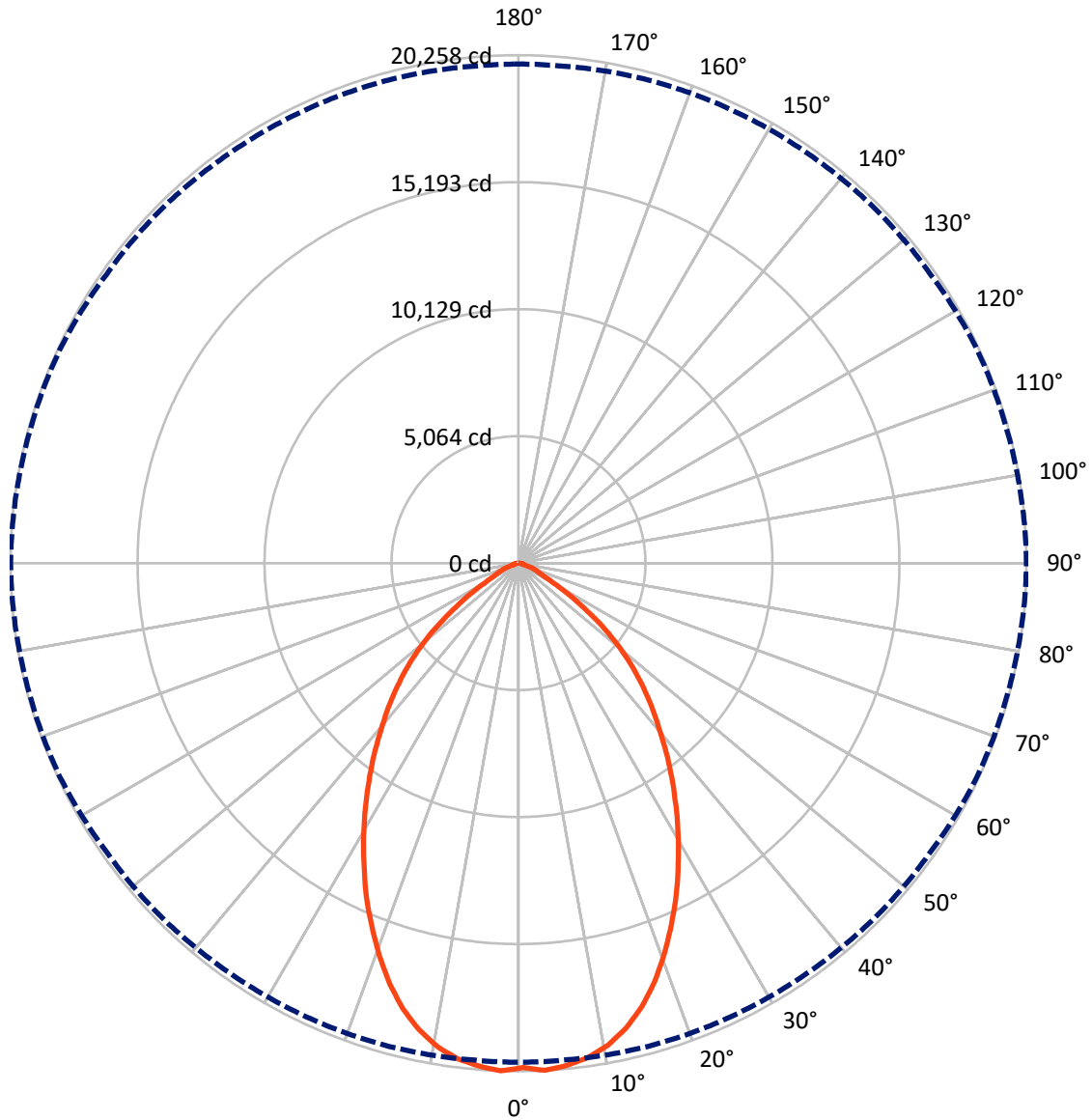
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 32.2 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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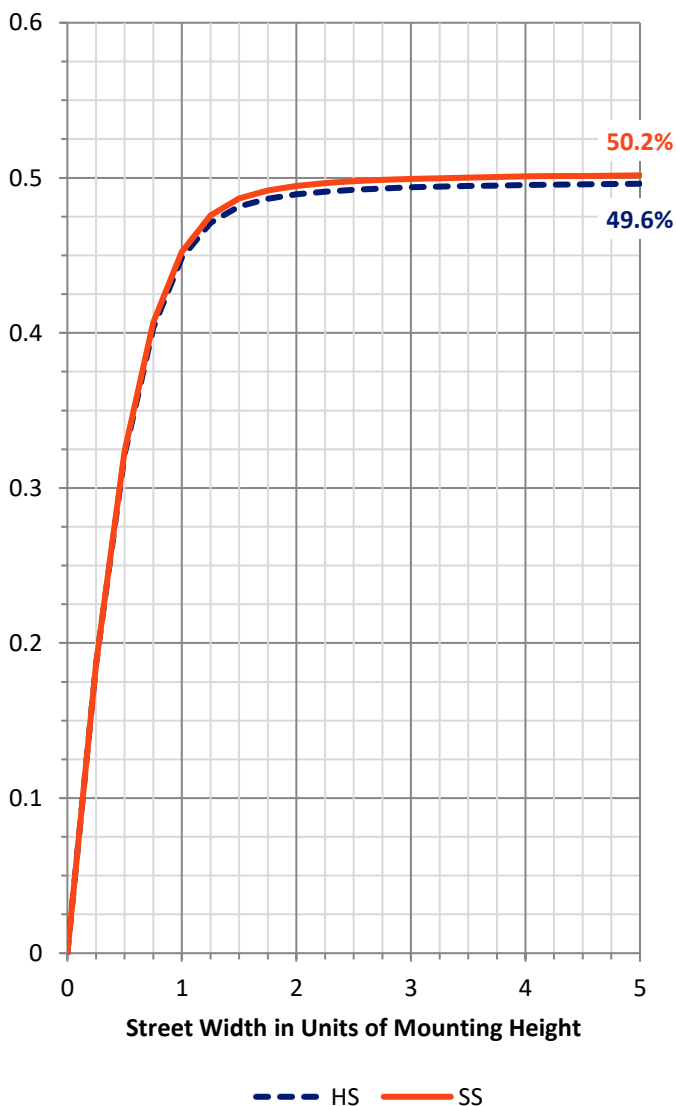
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14719.0	0.0	14719.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14719.0	0.0	14719.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29437.9	0.0	29437.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1888.9	6.4
10°-20°	5075.6	17.2
20°-30°	6566.8	22.3
30°-40°	6476.5	22.0
40°-50°	5239.8	17.8
50°-60°	2852.9	9.7
60°-70°	903.9	3.1
70°-80°	349.7	1.2
80°-90°	83.6	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°	29437.9	100.0
0°-180°	29437.9	100.0

Coefficient of Utilization



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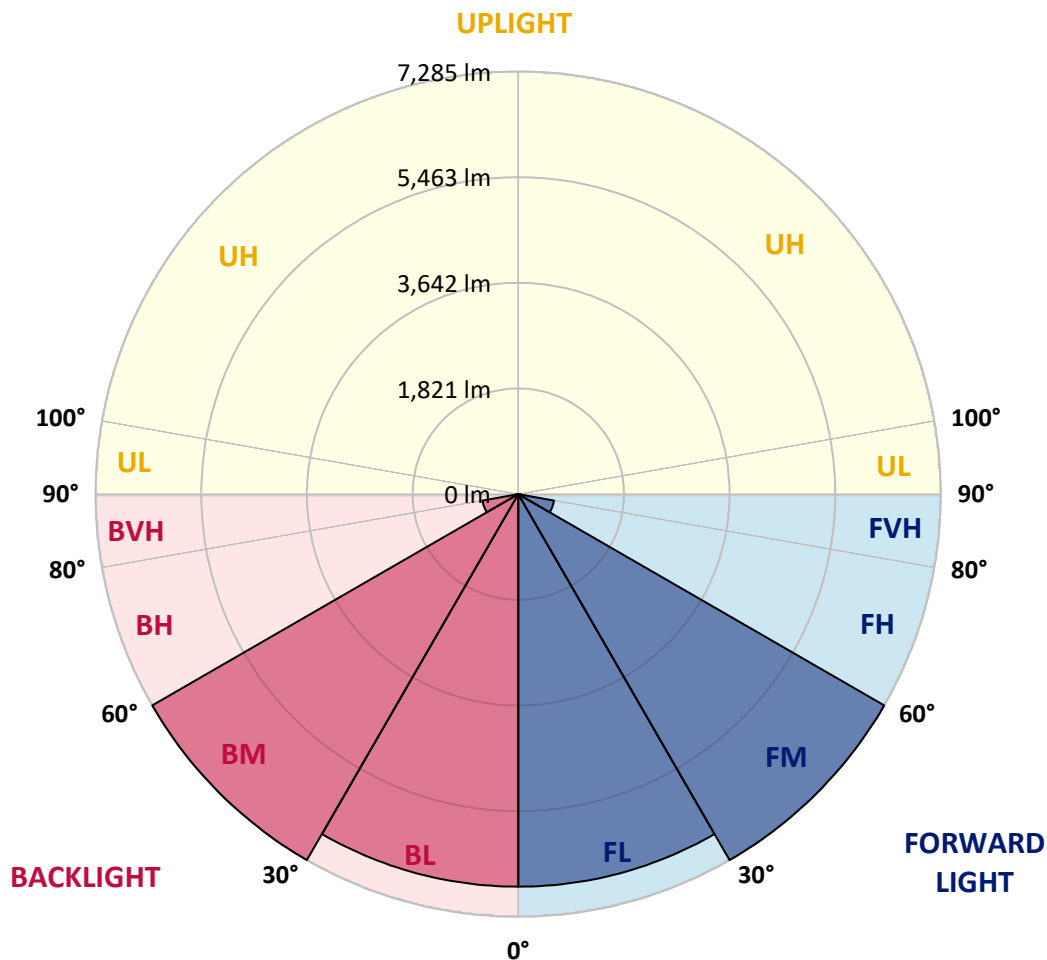
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6765.7	23.0			
FM (30°-60°)	7284.6	24.7			
FH (60°-80°)	626.8	2.1			G0/660
FVH (80°-90°)	41.8	0.1			G1/100
BL (0°-30°)	6765.7	23.0	B5		
BM (30°-60°)	7284.6	24.7	B4/8500		
BH (60°-80°)	626.8	2.1	B2/1000		G0/660
BVH (80°-90°)	41.8	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°	20121.6	20121.6	20121.6	20121.6	20121.6	20121.6	20121.6	20121.6	20121.6	20121.6	20121.6
2.5°	19904.7	19900.4	19951.5	19972.7	19998.3	20049.3	20066.3	20176.9	20189.6	20232.2	20257.7
5°	19870.7	19853.7	19904.7	19913.2	19943.0	19951.5	19977.0	20053.5	20045.0	20108.8	20121.6
7.5°	19687.8	19666.5	19709.0	19717.5	19760.1	19747.3	19789.9	19845.1	19845.1	19891.9	19913.2
10°	19279.5	19275.2	19317.8	19322.0	19381.6	19368.8	19436.8	19449.6	19483.6	19517.7	19555.9
12.5°	18790.4	18735.1	18790.4	18769.1	18849.9	18803.1	18896.7	18926.5	18943.5	19003.0	19032.8
15°	18160.9	18092.9	18131.1	18109.9	18160.9	18101.4	18199.2	18258.7	18280.0	18339.5	18369.3
17.5°	17318.8	17263.5	17272.0	17242.2	17276.2	17229.5	17323.0	17416.6	17446.4	17510.2	17552.7
20°	16259.7	16259.7	16264.0	16238.5	16268.3	16221.5	16281.0	16425.6	16455.4	16540.5	16612.8
22.5°	15226.2	15226.2	15239.0	15205.0	15213.5	15192.2	15256.0	15396.4	15443.1	15532.5	15621.8
25°	14235.3	14218.2	14226.7	14197.0	14163.0	14171.5	14248.0	14337.3	14439.4	14554.2	14622.3
27.5°	13291.1	13312.3	13261.3	13240.0	13214.5	13167.7	13257.0	13367.6	13439.9	13533.5	13567.5
30°	12283.1	12325.6	12287.3	12270.3	12206.5	12147.0	12240.5	12351.1	12423.4	12512.7	12551.0
32.5°	11385.7	11372.9	11338.9	11300.6	11236.8	11190.0	11228.3	11355.9	11411.2	11504.7	11517.5
35°	10424.4	10415.9	10394.7	10318.1	10296.8	10241.6	10275.6	10386.2	10428.7	10484.0	10526.5
37.5°	9484.5	9454.7	9446.2	9416.4	9378.2	9365.4	9365.4	9425.0	9467.5	9522.8	9565.3
40°	8553.1	8561.6	8536.0	8510.5	8497.8	8480.8	8485.0	8519.0	8553.1	8578.6	8604.1
42.5°	7710.9	7664.2	7647.1	7621.6	7634.4	7655.6	7608.9	7659.9	7702.4	7702.4	7757.7
45°	6745.5	6766.7	6775.2	6817.8	6817.8	6796.5	6779.5	6805.0	6847.6	6843.3	6898.6
47.5°	5903.4	5877.8	5899.1	5962.9	6018.2	6026.7	5975.7	5988.4	6001.2	5979.9	6031.0
50°	4980.4	4988.9	4984.7	5082.5	5193.1	5154.8	5116.5	5129.3	5125.0	5125.0	5133.5
52.5°	3976.7	3998.0	3972.4	4112.8	4231.9	4202.1	4176.6	4176.6	4197.8	4193.6	4189.3
55°	3062.3	3053.8	2998.5	3066.5	3172.8	3177.1	3138.8	3155.8	3177.1	3198.4	3194.1
57.5°	2279.7	2254.2	2177.6	2181.9	2300.9	2330.7	2296.7	2292.4	2318.0	2326.5	2373.3
60°	1535.4	1531.1	1463.1	1458.8	1505.6	1586.4	1548.1	1548.1	1556.6	1569.4	1582.2
62.5°	1050.5	1059.0	1033.5	1029.3	1037.8	1105.8	1101.6	1097.3	1093.1	1110.1	1105.8
65°	825.1	829.4	820.9	820.9	825.1	854.9	884.7	888.9	893.2	897.4	893.2
67.5°	663.5	667.7	659.2	667.7	667.7	672.0	714.5	731.5	735.8	735.8	731.5
70°	510.4	527.4	535.9	535.9	535.9	535.9	565.7	586.9	582.7	557.2	531.6
72.5°	255.2	310.5	429.6	433.8	429.6	425.3	442.3	463.6	459.3	323.2	242.4
75°	170.1	182.9	336.0	353.0	348.8	331.7	348.8	374.3	365.8	208.4	199.9
77.5°	97.8	106.3	225.4	259.4	280.7	242.4	276.5	302.0	289.2	170.1	165.9
80°	76.6	72.3	161.6	199.9	191.4	153.1	225.4	242.4	221.2	127.6	114.8
82.5°	46.8	46.8	106.3	153.1	140.4	89.3	157.4	187.1	165.9	93.6	85.1
85°	25.5	29.8	51.0	76.6	80.8	59.5	85.1	102.1	102.1	59.5	59.5
87.5°	12.8	12.8	17.0	17.0	21.3	25.5	25.5	29.8	21.3	17.0	17.0
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)