

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: P524092

Luminaire Tested: **IFLD-L-SA7B-927-U-66**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524092
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

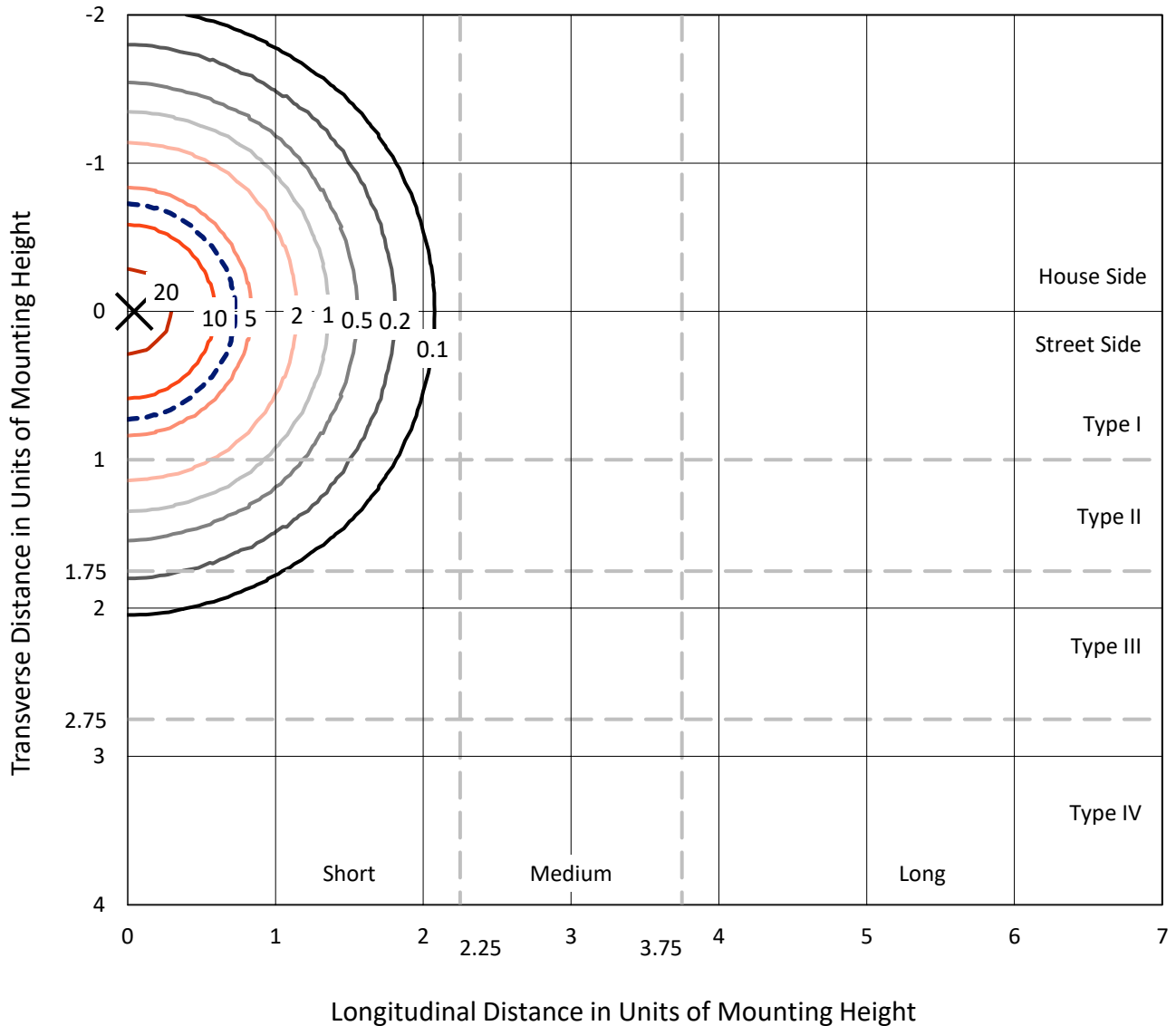
Lumens per Lamp: N/A
Luminaire Lumens: 23391.9 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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

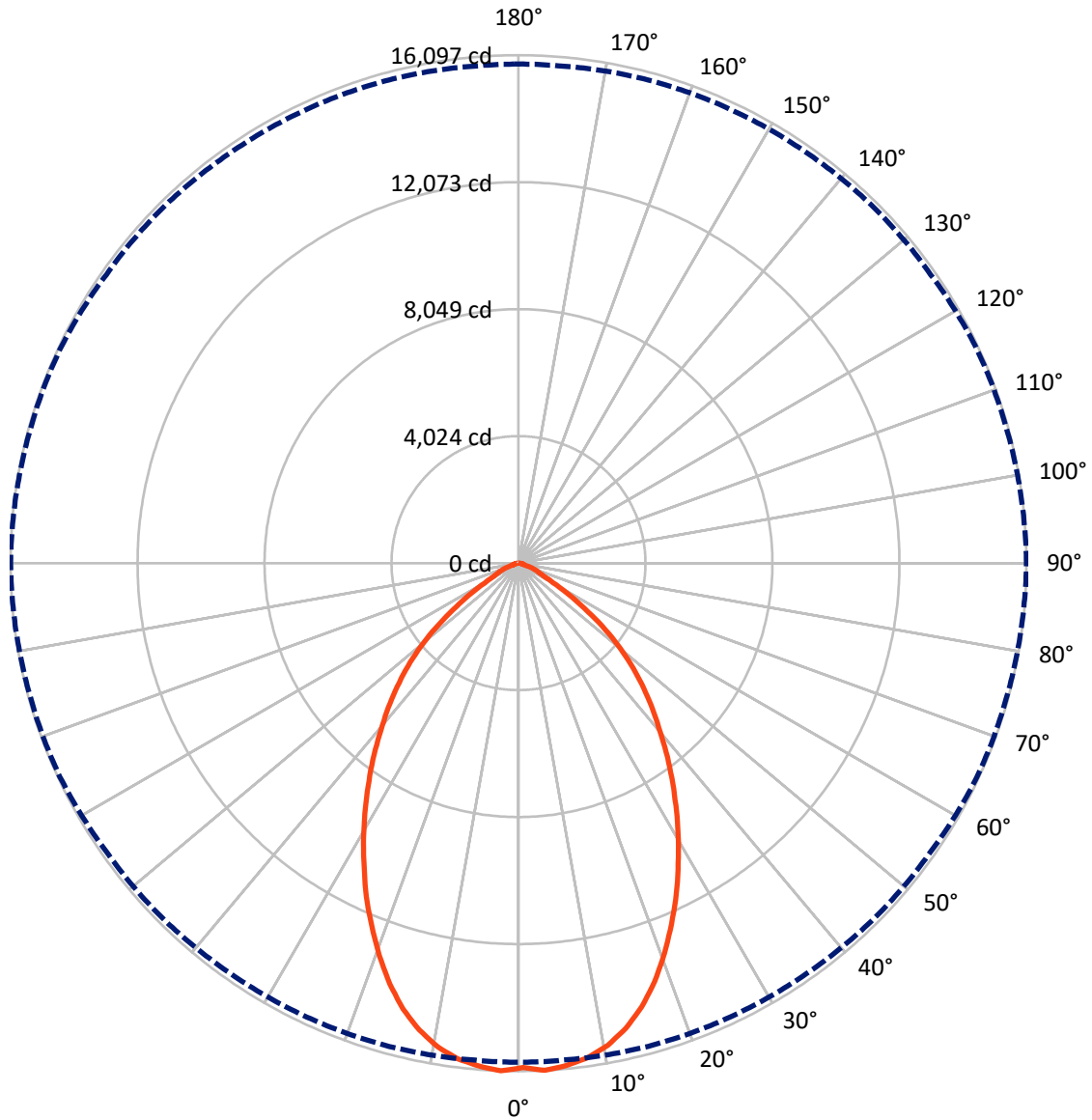
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.6 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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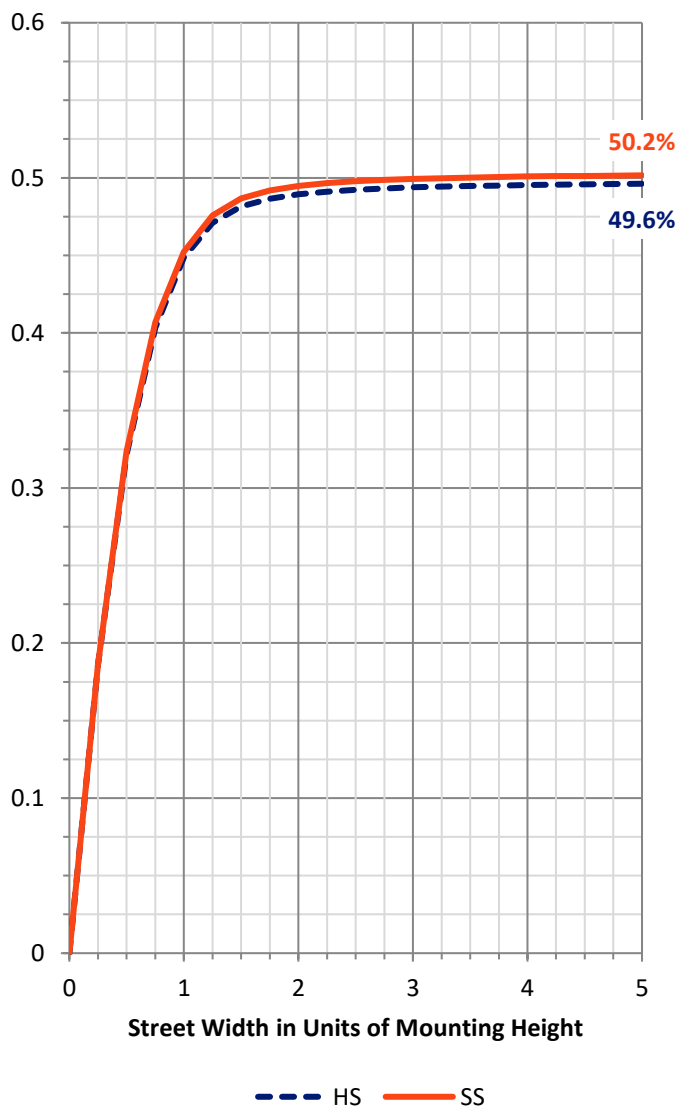
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11695.9	0.0	11695.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11695.9	0.0	11695.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	23391.9	0.0	23391.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1501.0	6.4
10°-20°	4033.2	17.2
20°-30°	5218.1	22.3
30°-40°	5146.4	22.0
40°-50°	4163.6	17.8
50°-60°	2267.0	9.7
60°-70°	718.3	3.1
70°-80°	277.9	1.2
80°-90°	66.4	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°	23391.9	100.0
0°-180°	23391.9	100.0

Coefficient of Utilization



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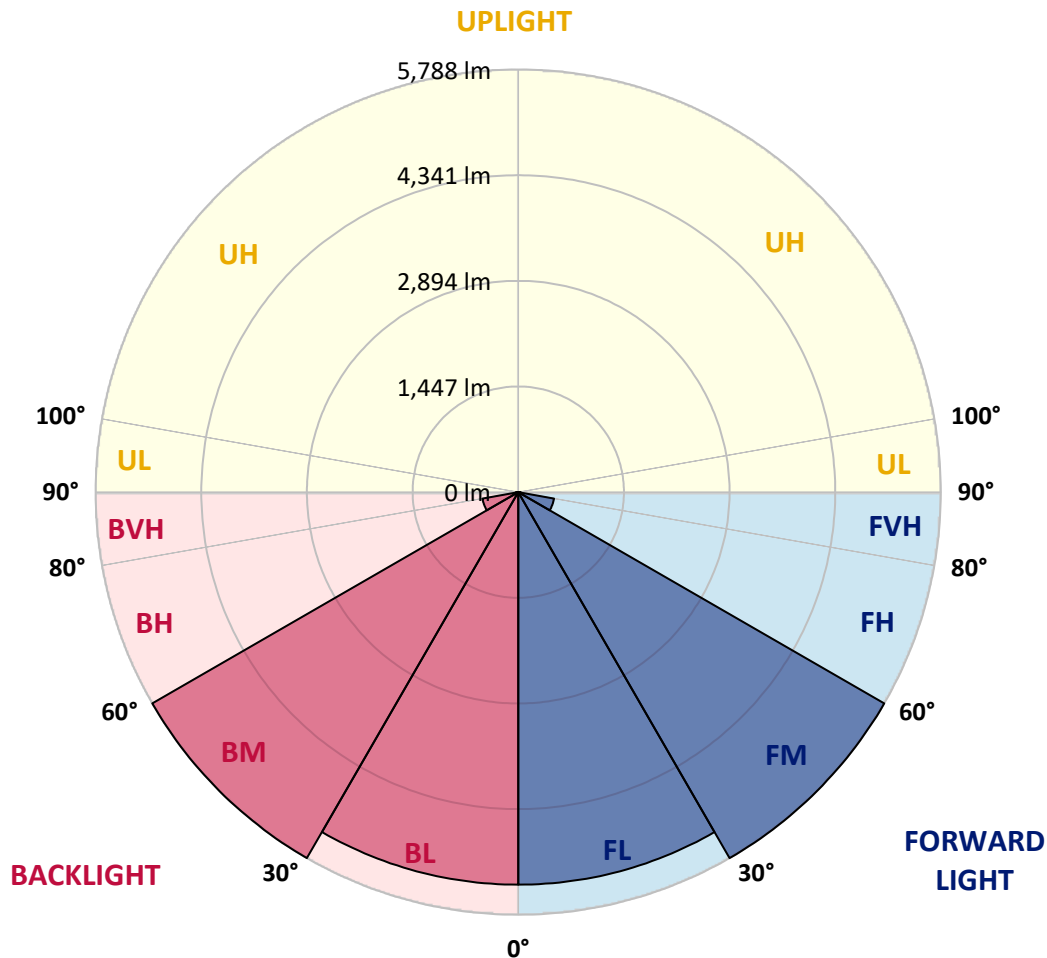
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5376.2	23.0			
FM (30°-60°)	5788.5	24.7			
FH (60°-80°)	498.1	2.1			G0/660
FVH (80°-90°)	33.2	0.1			G1/100
BL (0°-30°)	5376.2	23.0	B5		
BM (30°-60°)	5788.5	24.7	B4/8500		
BH (60°-80°)	498.1	2.1	B1/500		G0/660
BVH (80°-90°)	33.2	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°	15989.0	15989.0	15989.0	15989.0	15989.0	15989.0	15989.0	15989.0	15989.0	15989.0	15989.0
2.5°	15816.6	15813.2	15853.8	15870.7	15891.0	15931.5	15945.0	16032.9	16043.1	16076.8	16097.1
5°	15789.6	15776.1	15816.6	15823.4	15847.0	15853.8	15874.1	15934.9	15928.1	15978.8	15989.0
7.5°	15644.3	15627.4	15661.2	15667.9	15701.7	15691.6	15725.4	15769.3	15769.3	15806.5	15823.4
10°	15319.8	15316.4	15350.2	15353.6	15400.9	15390.8	15444.9	15455.0	15482.0	15509.1	15539.5
12.5°	14931.2	14887.2	14931.2	14914.3	14978.5	14941.3	15015.6	15039.3	15052.8	15100.1	15123.8
15°	14431.0	14376.9	14407.3	14390.4	14431.0	14383.7	14461.4	14508.7	14525.6	14572.9	14596.6
17.5°	13761.8	13717.9	13724.6	13701.0	13728.0	13690.8	13765.2	13839.5	13863.2	13913.9	13947.7
20°	12920.3	12920.3	12923.7	12903.4	12927.0	12889.9	12937.2	13052.1	13075.7	13143.3	13200.8
22.5°	12099.0	12099.0	12109.2	12082.1	12088.9	12072.0	12122.7	12234.2	12271.4	12342.4	12413.3
25°	11311.6	11298.1	11304.8	11281.2	11254.1	11260.9	11321.7	11392.7	11473.8	11565.1	11619.1
27.5°	10561.3	10578.2	10537.7	10520.8	10500.5	10463.3	10534.3	10622.1	10679.6	10753.9	10781.0
30°	9760.3	9794.1	9763.7	9750.2	9699.5	9652.2	9726.5	9814.4	9871.9	9942.8	9973.3
32.5°	9047.2	9037.1	9010.1	8979.6	8929.0	8891.8	8922.2	9023.6	9067.5	9141.9	9152.0
35°	8283.4	8276.7	8259.8	8199.0	8182.1	8138.1	8165.2	8253.0	8286.8	8330.8	8364.6
37.5°	7536.6	7512.9	7506.1	7482.5	7452.1	7441.9	7441.9	7489.2	7523.0	7567.0	7600.8
40°	6796.4	6803.2	6782.9	6762.6	6752.5	6739.0	6742.3	6769.4	6796.4	6816.7	6837.0
42.5°	6127.2	6090.1	6076.6	6056.3	6066.4	6083.3	6046.1	6086.7	6120.5	6120.5	6164.4
45°	5360.1	5377.0	5383.7	5417.5	5417.5	5400.6	5387.1	5407.4	5441.2	5437.8	5481.7
47.5°	4690.9	4670.6	4687.5	4738.2	4782.2	4788.9	4748.4	4758.5	4768.6	4751.7	4792.3
50°	3957.5	3964.3	3960.9	4038.6	4126.5	4096.1	4065.7	4075.8	4072.4	4072.4	4079.2
52.5°	3159.9	3176.8	3156.6	3268.1	3362.7	3339.1	3318.8	3318.8	3335.7	3332.3	3328.9
55°	2433.3	2426.6	2382.6	2436.7	2521.2	2524.6	2494.2	2507.7	2524.6	2541.5	2538.1
57.5°	1811.5	1791.2	1730.4	1733.7	1828.4	1852.0	1825.0	1821.6	1841.9	1848.7	1885.8
60°	1220.0	1216.7	1162.6	1159.2	1196.4	1260.6	1230.2	1230.2	1236.9	1247.1	1257.2
62.5°	834.8	841.5	821.2	817.9	824.6	878.7	875.3	871.9	868.6	882.1	878.7
65°	655.6	659.0	652.3	652.3	655.6	679.3	703.0	706.3	709.7	713.1	709.7
67.5°	527.2	530.6	523.8	530.6	530.6	534.0	567.8	581.3	584.7	584.7	581.3
70°	405.6	419.1	425.8	425.8	425.8	425.8	449.5	466.4	463.0	442.7	422.5
72.5°	202.8	246.7	341.3	344.7	341.3	338.0	351.5	368.4	365.0	256.9	192.6
75°	135.2	145.3	267.0	280.5	277.1	263.6	277.1	297.4	290.6	165.6	158.8
77.5°	77.7	84.5	179.1	206.2	223.1	192.6	219.7	240.0	229.8	135.2	131.8
80°	60.8	57.5	128.4	158.8	152.1	121.7	179.1	192.6	175.7	101.4	91.2
82.5°	37.2	37.2	84.5	121.7	111.5	71.0	125.0	148.7	131.8	74.4	67.6
85°	20.3	23.7	40.6	60.8	64.2	47.3	67.6	81.1	81.1	47.3	47.3
87.5°	10.1	10.1	13.5	13.5	16.9	20.3	20.3	23.7	16.9	13.5	13.5
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)