

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: P524209

Luminaire Tested: **IFLD-L-SA7B-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524209
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

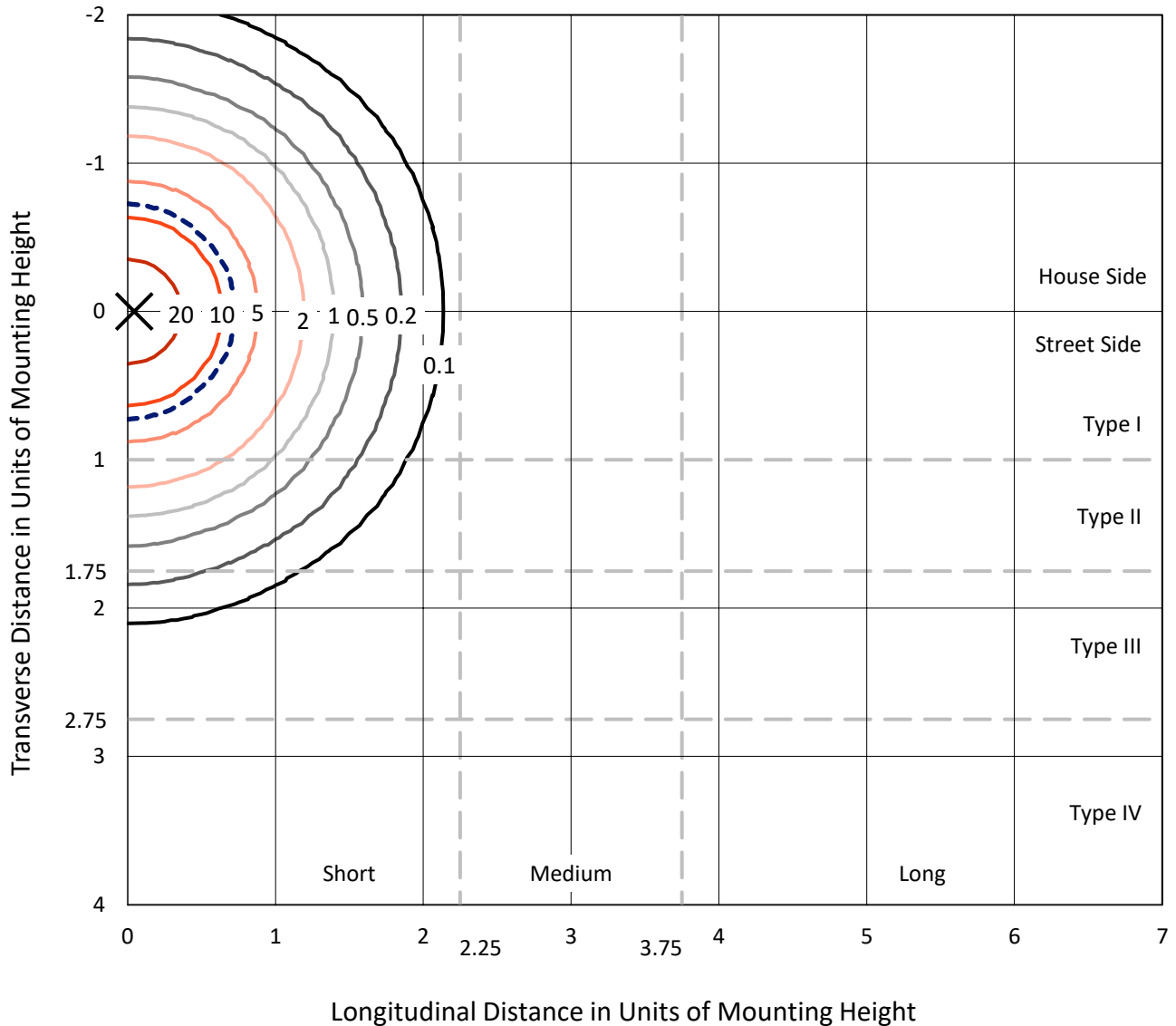
Lumens per Lamp: N/A
Luminaire Lumens: 26700 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

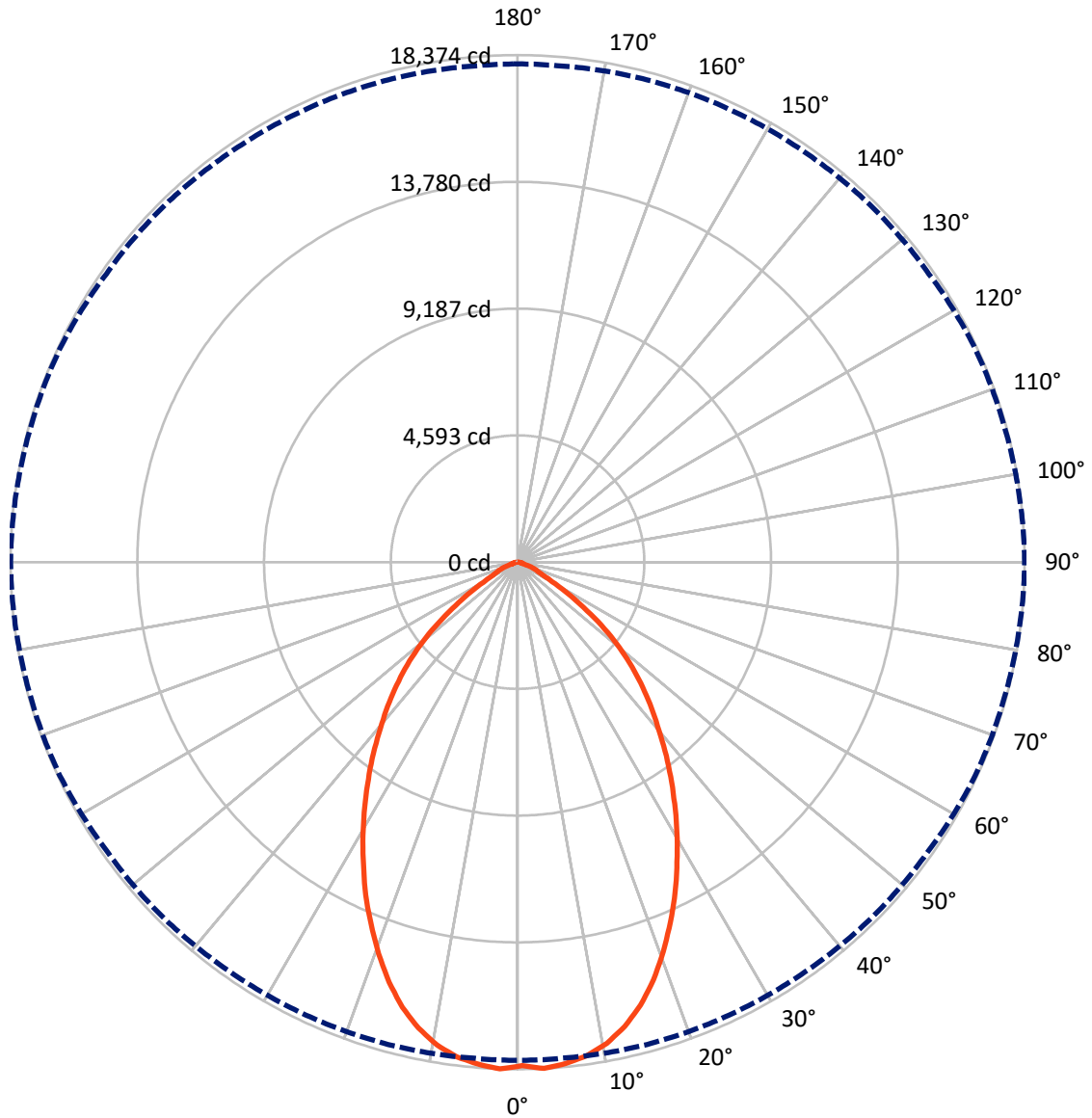
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.2 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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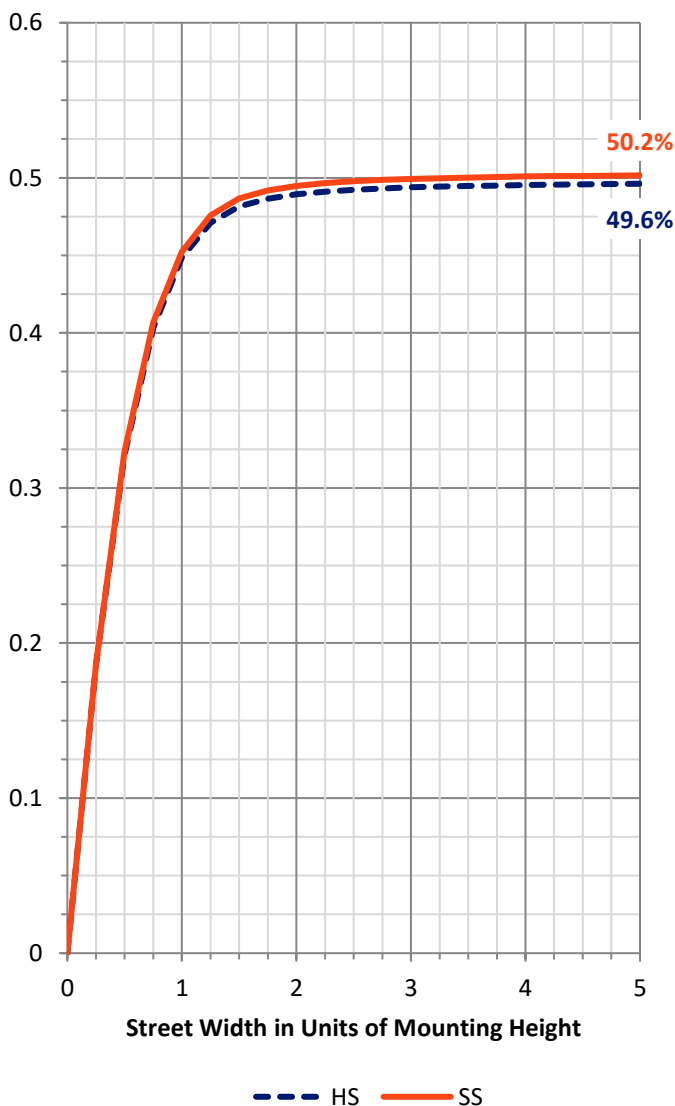
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13350.0	0.0	13350.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13350.0	0.0	13350.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26700.0	0.0	26700.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1713.3	6.4
10°-20°	4603.6	17.2
20°-30°	5956.1	22.3
30°-40°	5874.2	22.0
40°-50°	4752.5	17.8
50°-60°	2587.6	9.7
60°-70°	819.9	3.1
70°-80°	317.2	1.2
80°-90°	75.8	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°	26700.0	100.0
0°-180°	26700.0	100.0

Coefficient of Utilization



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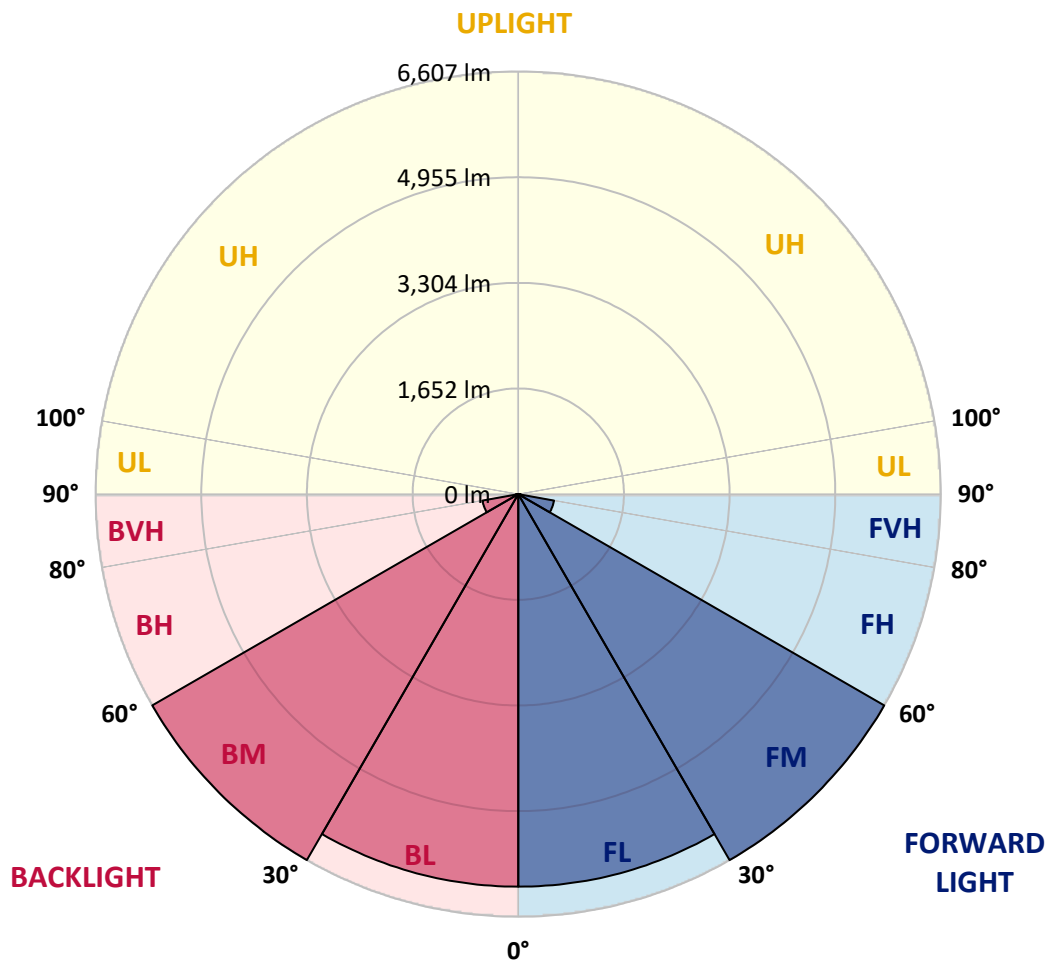
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6136.5	23.0			
FM (30°-60°)	6607.1	24.7			
FH (60°-80°)	568.5	2.1			G0/660
FVH (80°-90°)	37.9	0.1			G1/100
BL (0°-30°)	6136.5	23.0	B5		
BM (30°-60°)	6607.1	24.7	B4/8500		
BH (60°-80°)	568.5	2.1	B2/1000		G0/660
BVH (80°-90°)	37.9	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°	18250.2	18250.2	18250.2	18250.2	18250.2	18250.2	18250.2	18250.2	18250.2	18250.2	18250.2
2.5°	18053.4	18049.6	18095.9	18115.2	18138.3	18184.6	18200.0	18300.3	18311.9	18350.5	18373.6
5°	18022.6	18007.1	18053.4	18061.2	18088.2	18095.9	18119.0	18188.5	18180.7	18238.6	18250.2
7.5°	17856.7	17837.4	17876.0	17883.7	17922.3	17910.7	17949.3	17999.4	17999.4	18041.9	18061.2
10°	17486.4	17482.5	17521.1	17525.0	17579.0	17567.4	17629.1	17640.7	17671.5	17702.4	17737.1
12.5°	17042.8	16992.6	17042.8	17023.5	17096.8	17054.3	17139.2	17166.2	17181.6	17235.6	17262.6
15°	16471.8	16410.1	16444.8	16425.5	16471.8	16417.8	16506.6	16560.6	16579.8	16633.9	16660.9
17.5°	15708.0	15657.9	15665.6	15638.6	15669.5	15627.0	15711.9	15796.8	15823.8	15881.6	15920.2
20°	14747.5	14747.5	14751.4	14728.2	14755.2	14712.8	14766.8	14897.9	14924.9	15002.1	15067.7
22.5°	13810.1	13810.1	13821.7	13790.8	13798.5	13779.2	13837.1	13964.4	14006.8	14087.9	14168.9
25°	12911.3	12895.9	12903.6	12876.6	12845.7	12853.4	12922.9	13003.9	13096.5	13200.6	13262.3
27.5°	12054.9	12074.2	12027.9	12008.6	11985.5	11943.0	12024.1	12124.4	12189.9	12274.8	12305.7
30°	11140.7	11179.2	11144.5	11129.1	11071.2	11017.2	11102.1	11202.4	11268.0	11349.0	11383.7
32.5°	10326.7	10315.1	10284.3	10249.6	10191.7	10149.3	10184.0	10299.7	10349.9	10434.7	10446.3
35°	9454.9	9447.2	9427.9	9358.5	9339.2	9289.0	9319.9	9420.2	9458.8	9508.9	9547.5
37.5°	8602.4	8575.4	8567.7	8540.7	8505.9	8494.4	8494.4	8548.4	8587.0	8637.1	8675.7
40°	7757.6	7765.3	7742.1	7719.0	7707.4	7692.0	7695.9	7726.7	7757.6	7780.7	7803.9
42.5°	6993.8	6951.3	6935.9	6912.8	6924.3	6943.6	6901.2	6947.5	6986.1	6986.1	7036.2
45°	6118.1	6137.4	6145.1	6183.7	6183.7	6164.4	6149.0	6172.1	6210.7	6206.8	6257.0
47.5°	5354.3	5331.2	5350.5	5408.3	5458.5	5466.2	5419.9	5431.5	5443.0	5423.7	5470.0
50°	4517.2	4524.9	4521.1	4609.8	4710.1	4675.4	4640.7	4652.2	4648.4	4648.4	4656.1
52.5°	3606.8	3626.1	3603.0	3730.3	3838.3	3811.3	3788.1	3788.1	3807.4	3803.6	3799.7
55°	2777.5	2769.7	2719.6	2781.3	2877.7	2881.6	2846.9	2862.3	2881.6	2900.9	2897.0
57.5°	2067.7	2044.5	1975.1	1978.9	2086.9	2113.9	2083.1	2079.2	2102.4	2110.1	2152.5
60°	1392.6	1388.7	1327.0	1323.1	1365.6	1438.9	1404.2	1404.2	1411.9	1423.4	1435.0
62.5°	952.8	960.5	937.4	933.5	941.2	1003.0	999.1	995.3	991.4	1006.8	1003.0
65°	748.4	752.2	744.5	744.5	748.4	775.4	802.4	806.2	810.1	813.9	810.1
67.5°	601.8	605.6	597.9	605.6	605.6	609.5	648.1	663.5	667.4	667.4	663.5
70°	462.9	478.3	486.1	486.1	486.1	486.1	513.1	532.3	528.5	505.3	482.2
72.5°	231.5	281.6	389.6	393.5	389.6	385.8	401.2	420.5	416.6	293.2	219.9
75°	154.3	165.9	304.7	320.2	316.3	300.9	316.3	339.5	331.8	189.0	181.3
77.5°	88.7	96.4	204.5	235.3	254.6	219.9	250.7	273.9	262.3	154.3	150.4
80°	69.4	65.6	146.6	181.3	173.6	138.9	204.5	219.9	200.6	115.7	104.2
82.5°	42.4	42.4	96.4	138.9	127.3	81.0	142.7	169.7	150.4	84.9	77.2
85°	23.1	27.0	46.3	69.4	73.3	54.0	77.2	92.6	92.6	54.0	54.0
87.5°	11.6	11.6	15.4	15.4	19.3	23.1	23.1	27.0	19.3	15.4	15.4
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)