

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: P524241

Luminaire Tested: **IFLD-S-SA6E-950-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524241
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-950-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

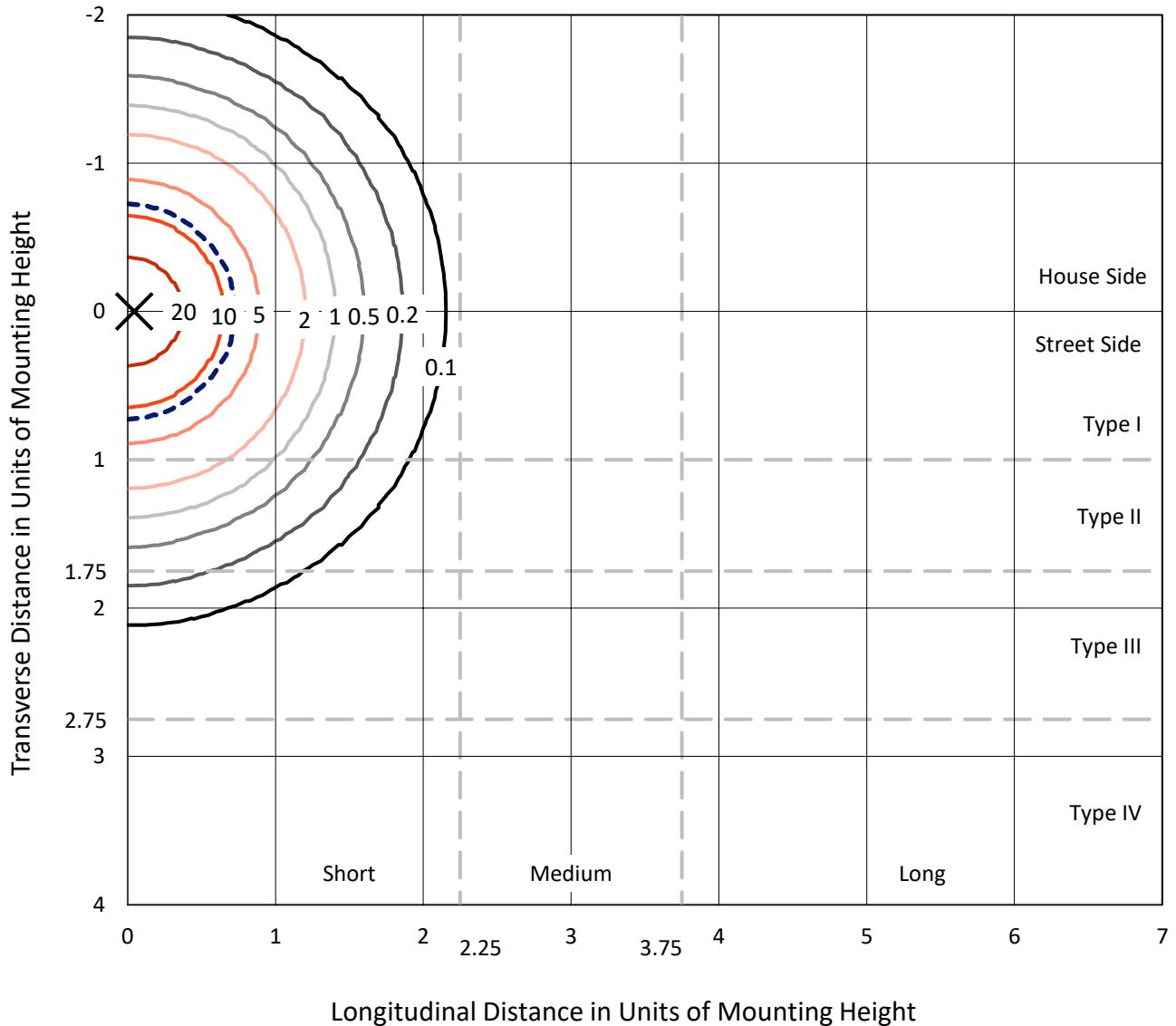
Lumens per Lamp: N/A
Luminaire Lumens: 39671.3 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

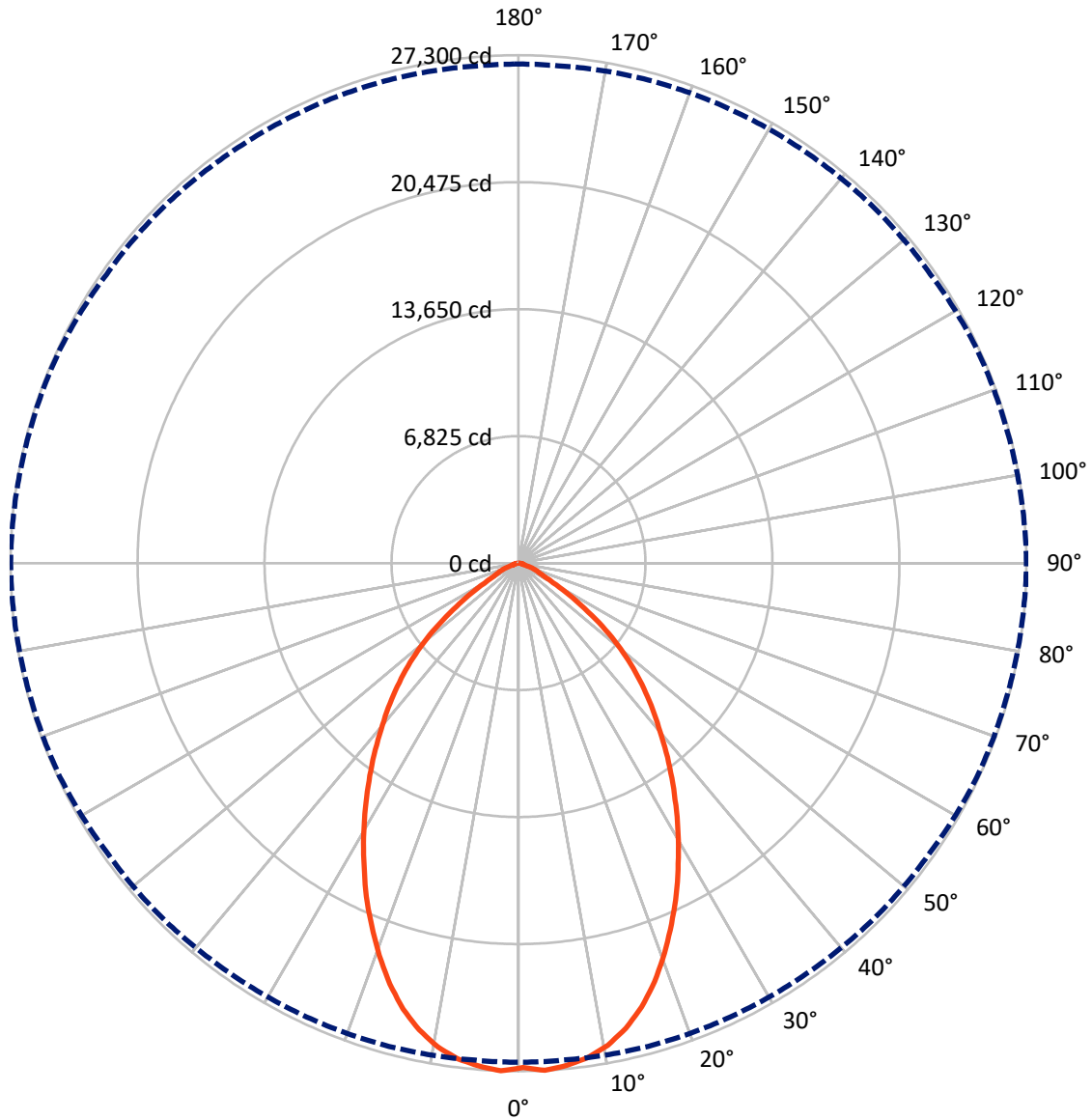
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 30.1 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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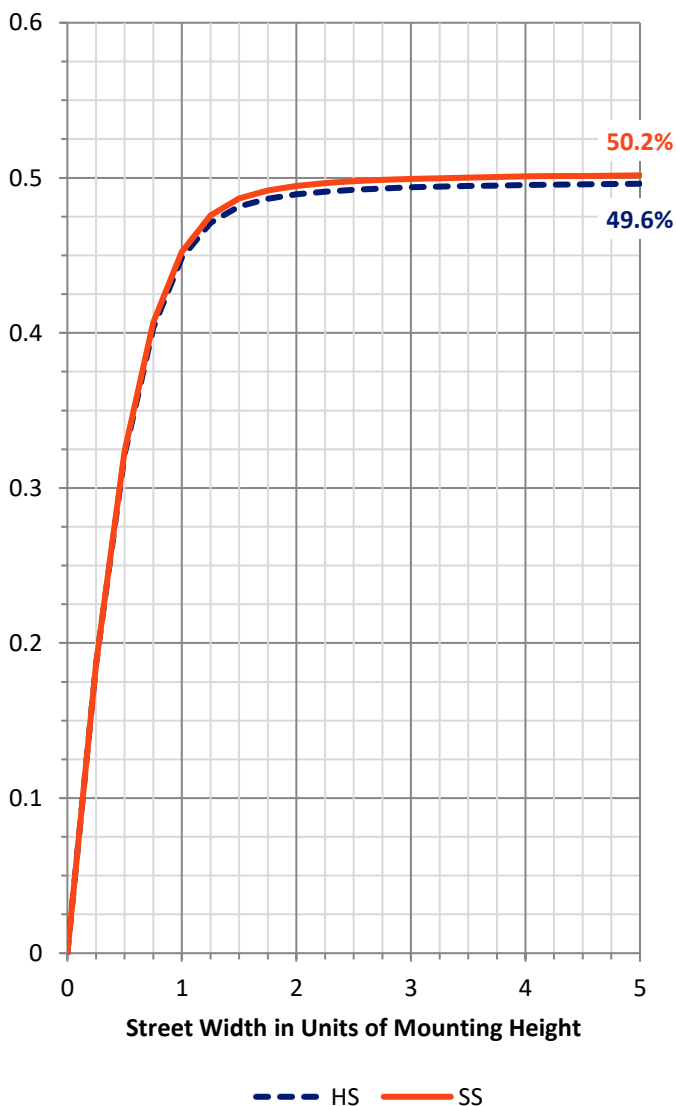
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19835.7	0.0	19835.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19835.7	0.0	19835.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	39671.3	0.0	39671.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2545.6	6.4
10°-20°	6840.1	17.2
20°-30°	8849.7	22.3
30°-40°	8727.9	22.0
40°-50°	7061.3	17.8
50°-60°	3844.7	9.7
60°-70°	1218.2	3.1
70°-80°	471.3	1.2
80°-90°	112.7	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°	39671.3	100.0
0°-180°	39671.3	100.0

Coefficient of Utilization



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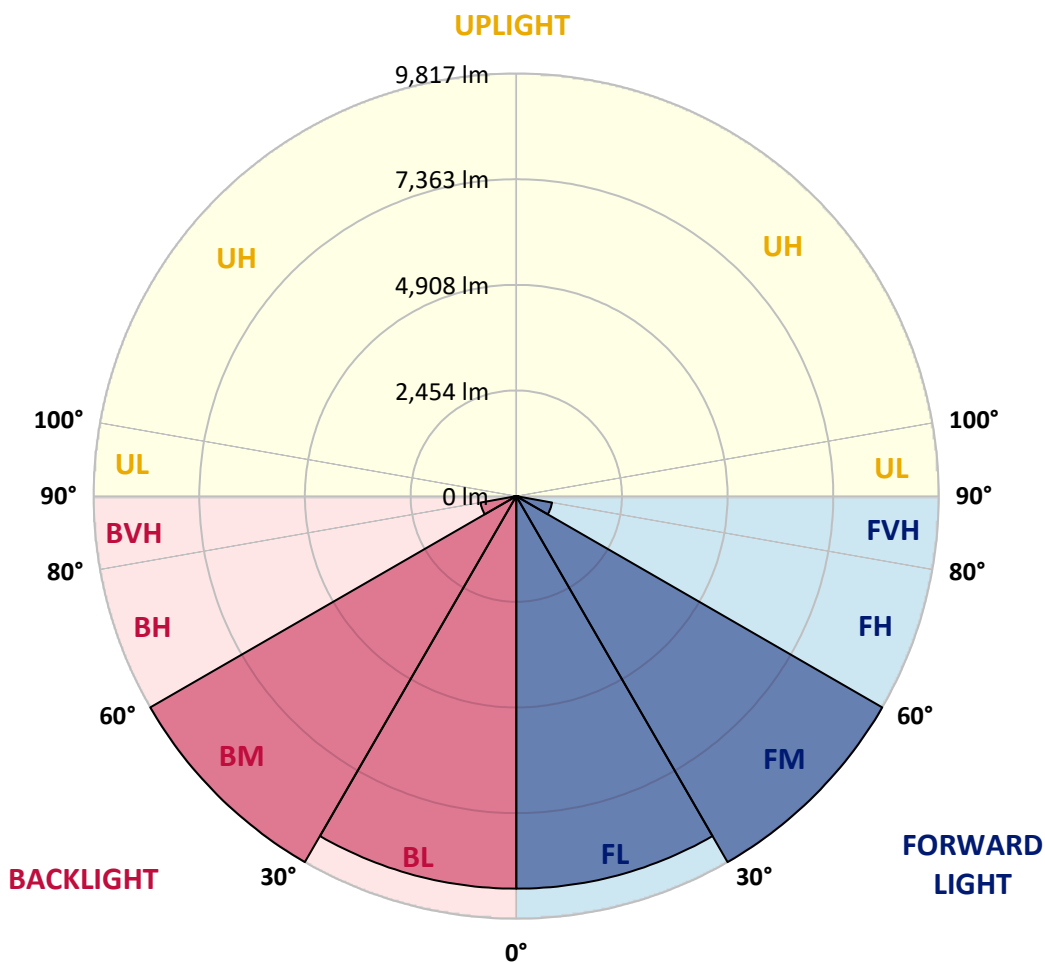
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9117.7	23.0			
FM (30°-60°)	9816.9	24.7			
FH (60°-80°)	844.7	2.1			G1/1800
FVH (80°-90°)	56.3	0.1			G1/100
BL (0°-30°)	9117.7	23.0	B5		
BM (30°-60°)	9816.9	24.7	B5		
BH (60°-80°)	844.7	2.1	B2/1000		G1/1800
BVH (80°-90°)	56.3	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°	27116.4	27116.4	27116.4	27116.4	27116.4	27116.4	27116.4	27116.4	27116.4	27116.4	27116.4
2.5°	26824.1	26818.3	26887.1	26915.8	26950.2	27019.0	27041.9	27190.9	27208.1	27265.4	27299.8
5°	26778.2	26755.3	26824.1	26835.5	26875.7	26887.1	26921.5	27024.7	27013.2	27099.2	27116.4
7.5°	26531.8	26503.1	26560.4	26571.9	26629.2	26612.0	26669.3	26743.8	26743.8	26806.9	26835.5
10°	25981.5	25975.8	26033.1	26038.8	26119.1	26101.9	26193.6	26210.8	26256.6	26302.5	26354.1
12.5°	25322.4	25247.9	25322.4	25293.7	25402.6	25339.6	25465.7	25505.8	25528.7	25609.0	25649.1
15°	24474.1	24382.4	24434.0	24405.3	24474.1	24393.9	24525.7	24605.9	24634.6	24714.8	24755.0
17.5°	23339.2	23264.7	23276.2	23236.1	23281.9	23218.9	23345.0	23471.1	23511.2	23597.2	23654.5
20°	21912.1	21912.1	21917.8	21883.4	21923.5	21860.5	21940.7	22135.6	22175.7	22290.3	22387.8
22.5°	20519.3	20519.3	20536.5	20490.6	20502.1	20473.4	20559.4	20748.5	20811.6	20932.0	21052.3
25°	19183.8	19160.9	19172.3	19132.2	19086.4	19097.8	19201.0	19321.4	19458.9	19613.7	19705.4
27.5°	17911.4	17940.0	17871.3	17842.6	17808.2	17745.2	17865.5	18014.5	18112.0	18238.1	18283.9
30°	16553.0	16610.3	16558.7	16535.8	16449.8	16369.6	16495.7	16644.7	16742.1	16862.5	16914.1
32.5°	15343.6	15326.4	15280.6	15229.0	15143.0	15079.9	15131.5	15303.5	15378.0	15504.1	15521.3
35°	14048.3	14036.8	14008.1	13905.0	13876.3	13801.8	13847.6	13996.7	14054.0	14128.5	14185.8
37.5°	12781.6	12741.4	12730.0	12689.9	12638.3	12621.1	12621.1	12701.3	12758.6	12833.1	12890.5
40°	11526.3	11537.8	11503.4	11469.0	11451.8	11428.9	11434.6	11480.5	11526.3	11560.7	11595.1
42.5°	10391.5	10328.4	10305.5	10271.1	10288.3	10317.0	10253.9	10322.7	10380.0	10380.0	10454.5
45°	9090.4	9119.0	9130.5	9187.8	9187.8	9159.2	9136.2	9170.6	9227.9	9222.2	9296.7
47.5°	7955.5	7921.1	7949.8	8035.8	8110.3	8121.7	8053.0	8070.1	8087.3	8058.7	8127.5
50°	6711.8	6723.2	6717.5	6849.3	6998.3	6946.7	6895.2	6912.4	6906.6	6906.6	6918.1
52.5°	5359.1	5387.7	5353.4	5542.5	5703.0	5662.9	5628.5	5628.5	5657.1	5651.4	5645.7
55°	4126.8	4115.3	4040.8	4132.5	4275.8	4281.5	4230.0	4252.9	4281.5	4310.2	4304.5
57.5°	3072.2	3037.8	2934.6	2940.3	3100.8	3140.9	3095.1	3089.4	3123.7	3135.2	3198.3
60°	2069.1	2063.4	1971.7	1966.0	2029.0	2137.9	2086.3	2086.3	2097.8	2115.0	2132.2
62.5°	1415.7	1427.2	1392.8	1387.1	1398.5	1490.2	1484.5	1478.8	1473.0	1496.0	1490.2
65°	1111.9	1117.7	1106.2	1106.2	1111.9	1152.1	1192.2	1197.9	1203.6	1209.4	1203.6
67.5°	894.1	899.9	888.4	899.9	899.9	905.6	962.9	985.8	991.6	991.6	985.8
70°	687.8	710.7	722.2	722.2	722.2	722.2	762.3	791.0	785.2	750.8	716.5
72.5°	343.9	418.4	578.9	584.6	578.9	573.2	596.1	624.7	619.0	435.6	326.7
75°	229.3	246.5	452.8	475.7	470.0	447.1	470.0	504.4	492.9	280.9	269.4
77.5°	131.8	143.3	303.8	349.6	378.3	326.7	372.6	406.9	389.8	229.3	223.5
80°	103.2	97.4	217.8	269.4	257.9	206.3	303.8	326.7	298.0	171.9	154.8
82.5°	63.0	63.0	143.3	206.3	189.1	120.4	212.1	252.2	223.5	126.1	114.6
85°	34.4	40.1	68.8	103.2	108.9	80.2	114.6	137.6	137.6	80.2	80.2
87.5°	17.2	17.2	22.9	22.9	28.7	34.4	34.4	40.1	28.7	22.9	22.9
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)