

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: P524109

Luminaire Tested: **IFLD-S-SA3E-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524109
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

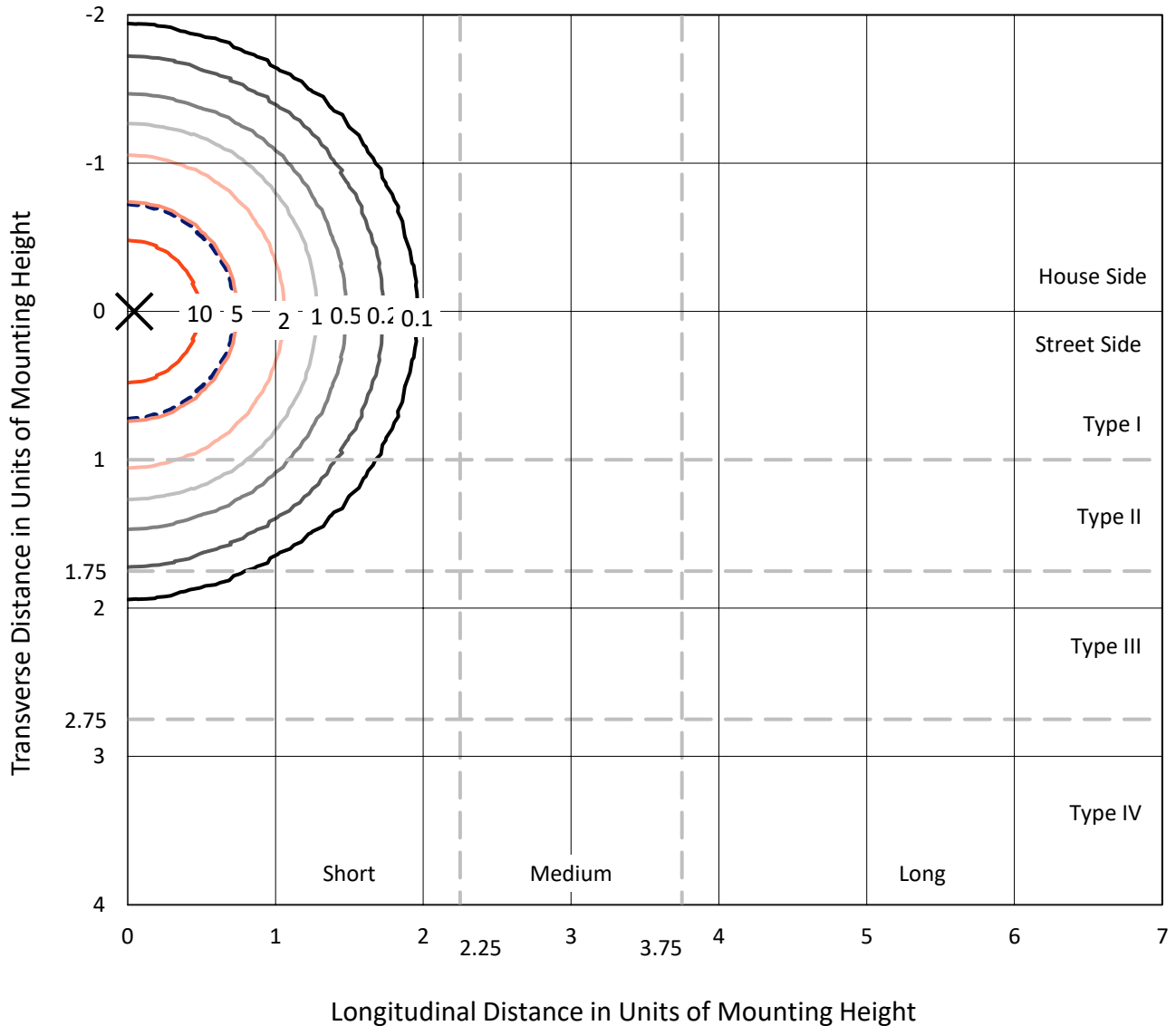
Lumens per Lamp: N/A
Luminaire Lumens: 17911.7 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

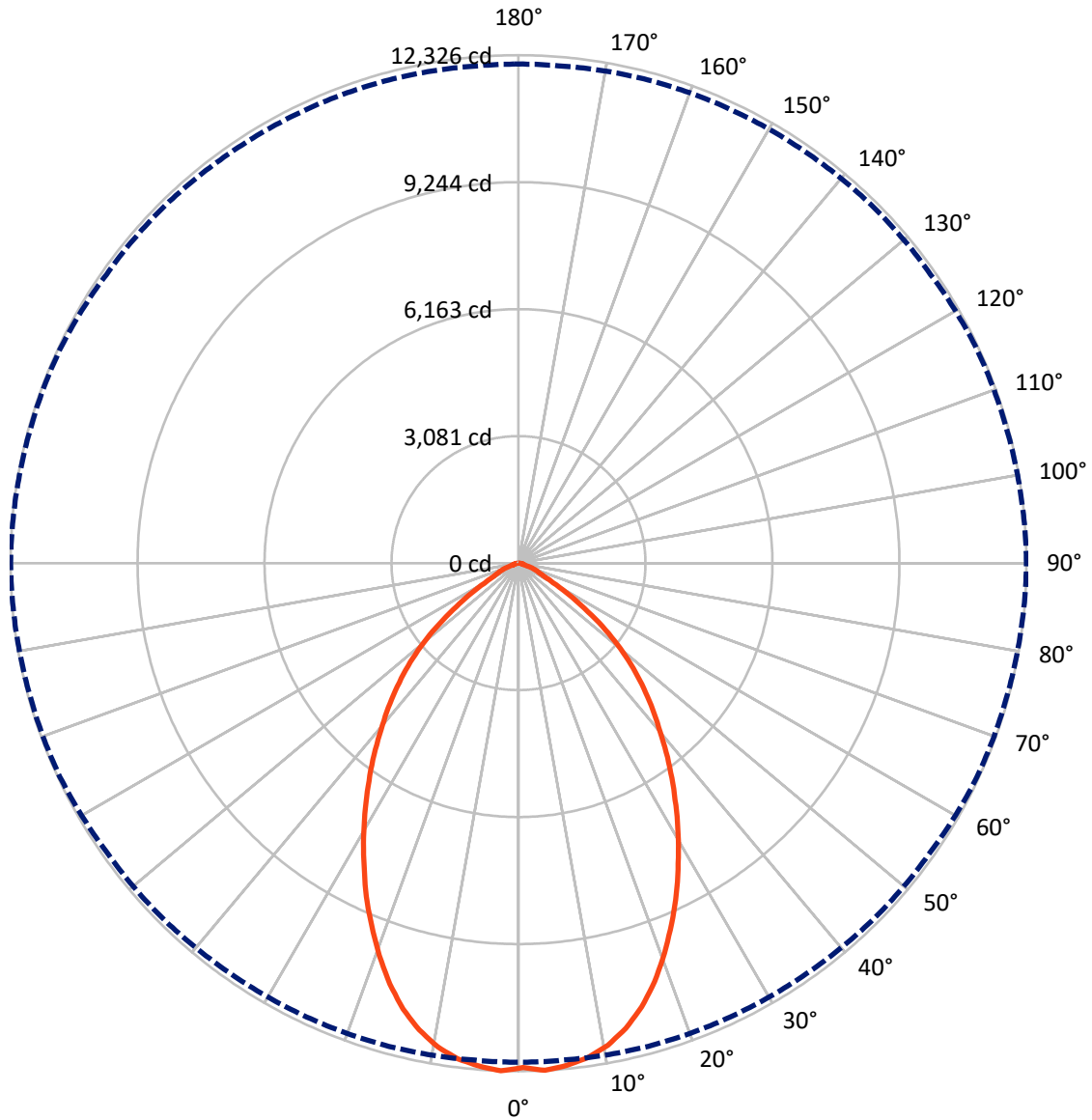
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.6 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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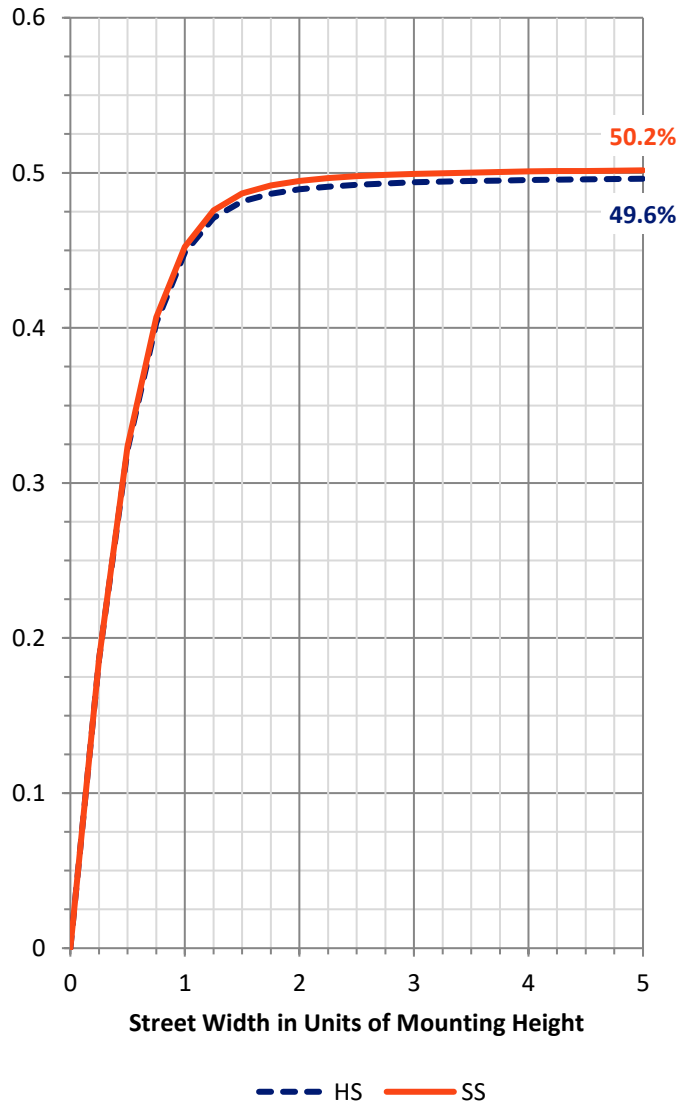
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8955.8	0.0	8955.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8955.8	0.0	8955.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17911.7	0.0	17911.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1149.3	6.4
10°-20°	3088.3	17.2
20°-30°	3995.6	22.3
30°-40°	3940.7	22.0
40°-50°	3188.2	17.8
50°-60°	1735.9	9.7
60°-70°	550.0	3.1
70°-80°	212.8	1.2
80°-90°	50.9	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°	17911.7	100.0
0°-180°	17911.7	100.0

Coefficient of Utilization



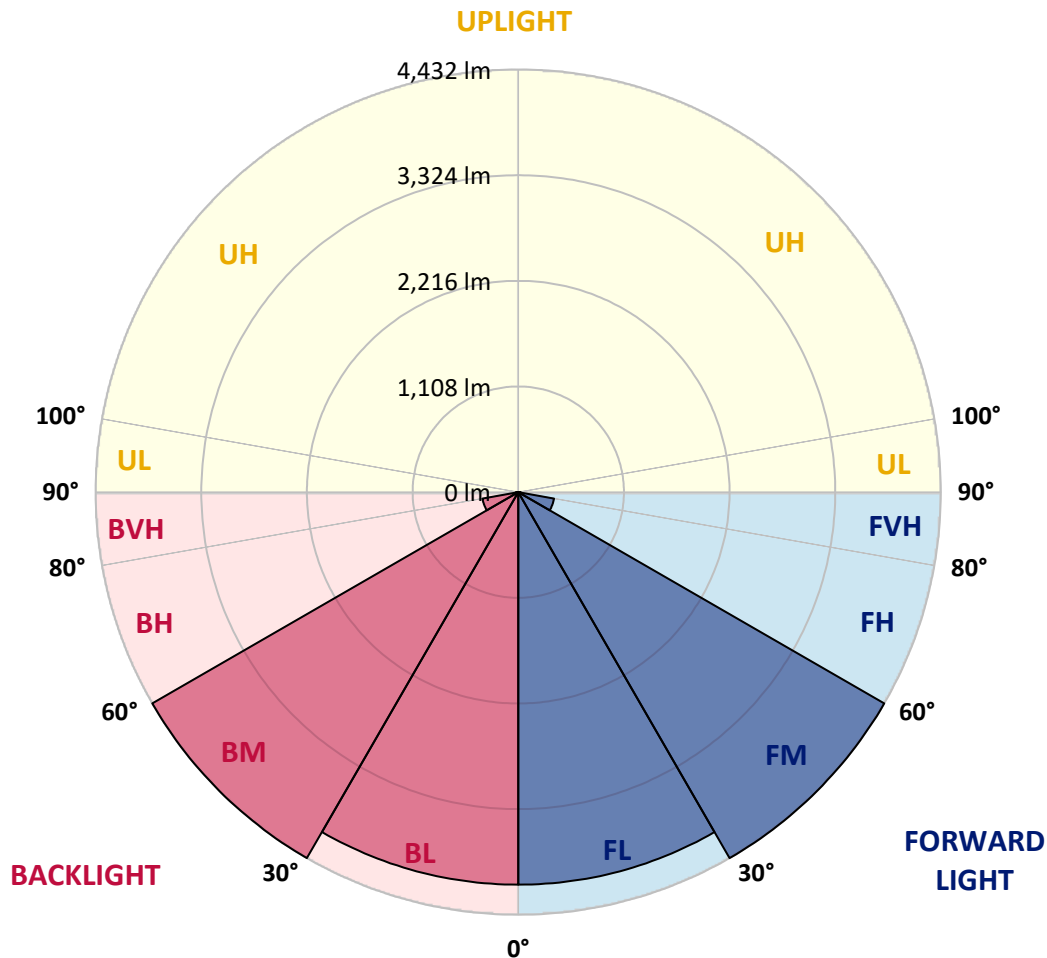
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4116.6	23.0			
FM (30°-60°)	4432.4	24.7			
FH (60°-80°)	381.4	2.1			G0/660
FVH (80°-90°)	25.4	0.1			G1/100
BL (0°-30°)	4116.6	23.0	B4/5000		
BM (30°-60°)	4432.4	24.7	B3/5000		
BH (60°-80°)	381.4	2.1	B1/500		G0/660
BVH (80°-90°)	25.4	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°	12243.1	12243.1	12243.1	12243.1	12243.1	12243.1	12243.1	12243.1	12243.1	12243.1	12243.1
2.5°	12111.1	12108.5	12139.6	12152.5	12168.0	12199.1	12209.5	12276.7	12284.5	12310.4	12325.9
5°	12090.4	12080.1	12111.1	12116.3	12134.4	12139.6	12155.1	12201.7	12196.5	12235.3	12243.1
7.5°	11979.1	11966.2	11992.1	11997.2	12023.1	12015.4	12041.2	12074.9	12074.9	12103.4	12116.3
10°	11730.7	11728.1	11754.0	11756.6	11792.8	11785.0	11826.5	11834.2	11854.9	11875.6	11898.9
12.5°	11433.1	11399.5	11433.1	11420.2	11469.3	11440.9	11497.8	11515.9	11526.3	11562.5	11580.6
15°	11050.1	11008.7	11032.0	11019.0	11050.1	11013.9	11073.4	11109.6	11122.6	11158.8	11176.9
17.5°	10537.7	10504.1	10509.2	10491.1	10511.8	10483.4	10540.3	10597.2	10615.3	10654.2	10680.0
20°	9893.3	9893.3	9895.9	9880.4	9898.5	9870.0	9906.3	9994.3	10012.4	10064.1	10108.1
22.5°	9264.5	9264.5	9272.2	9251.5	9256.7	9243.8	9282.6	9368.0	9396.5	9450.8	9505.2
25°	8661.5	8651.2	8656.3	8638.2	8617.5	8622.7	8669.3	8723.6	8785.7	8855.6	8897.0
27.5°	8087.0	8100.0	8068.9	8056.0	8040.4	8012.0	8066.3	8133.6	8177.6	8234.5	8255.2
30°	7473.7	7499.6	7476.3	7465.9	7427.1	7390.9	7447.8	7515.1	7559.1	7613.4	7636.7
32.5°	6927.7	6919.9	6899.2	6875.9	6837.1	6808.6	6831.9	6909.5	6943.2	7000.1	7007.9
35°	6342.8	6337.6	6324.7	6278.1	6265.2	6231.5	6252.2	6319.5	6345.4	6379.0	6404.9
37.5°	5770.9	5752.8	5747.6	5729.5	5706.2	5698.4	5698.4	5734.7	5760.5	5794.2	5820.1
40°	5204.2	5209.3	5193.8	5178.3	5170.5	5160.2	5162.8	5183.5	5204.2	5219.7	5235.2
42.5°	4691.8	4663.3	4652.9	4637.4	4645.2	4658.1	4629.7	4660.7	4686.6	4686.6	4720.2
45°	4104.3	4117.3	4122.4	4148.3	4148.3	4135.4	4125.0	4140.6	4166.4	4163.8	4197.5
47.5°	3591.9	3576.4	3589.3	3628.2	3661.8	3667.0	3635.9	3643.7	3651.4	3638.5	3669.6
50°	3030.4	3035.5	3033.0	3092.5	3159.8	3136.5	3113.2	3120.9	3118.4	3118.4	3123.5
52.5°	2419.6	2432.6	2417.0	2502.4	2574.9	2556.8	2541.3	2541.3	2554.2	2551.6	2549.0
55°	1863.2	1858.1	1824.4	1865.8	1930.5	1933.1	1909.8	1920.2	1933.1	1946.1	1943.5
57.5°	1387.1	1371.6	1325.0	1327.6	1400.0	1418.1	1397.4	1394.8	1410.4	1415.6	1444.0
60°	934.2	931.6	890.2	887.6	916.1	965.3	942.0	942.0	947.2	954.9	962.7
62.5°	639.2	644.4	628.8	626.3	631.4	672.8	670.3	667.7	665.1	675.4	672.8
65°	502.0	504.6	499.5	499.5	502.0	520.2	538.3	540.9	543.4	546.0	543.4
67.5°	403.7	406.3	401.1	406.3	406.3	408.9	434.8	445.1	447.7	447.7	445.1
70°	310.5	320.9	326.1	326.1	326.1	326.1	344.2	357.1	354.5	339.0	323.5
72.5°	155.3	188.9	261.4	264.0	261.4	258.8	269.1	282.1	279.5	196.7	147.5
75°	103.5	111.3	204.4	214.8	212.2	201.9	212.2	227.7	222.6	126.8	121.6
77.5°	59.5	64.7	137.2	157.9	170.8	147.5	168.2	183.7	176.0	103.5	100.9
80°	46.6	44.0	98.3	121.6	116.5	93.2	137.2	147.5	134.6	77.6	69.9
82.5°	28.5	28.5	64.7	93.2	85.4	54.3	95.8	113.9	100.9	56.9	51.8
85°	15.5	18.1	31.1	46.6	49.2	36.2	51.8	62.1	62.1	36.2	36.2
87.5°	7.8	7.8	10.4	10.4	12.9	15.5	15.5	18.1	12.9	10.4	10.4
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)