

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: P524331

Luminaire Tested: **IFLD-L-SA8B-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524331
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25348.6 lumens
Efficiency: N/A
Efficacy: 79.2 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): 320
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

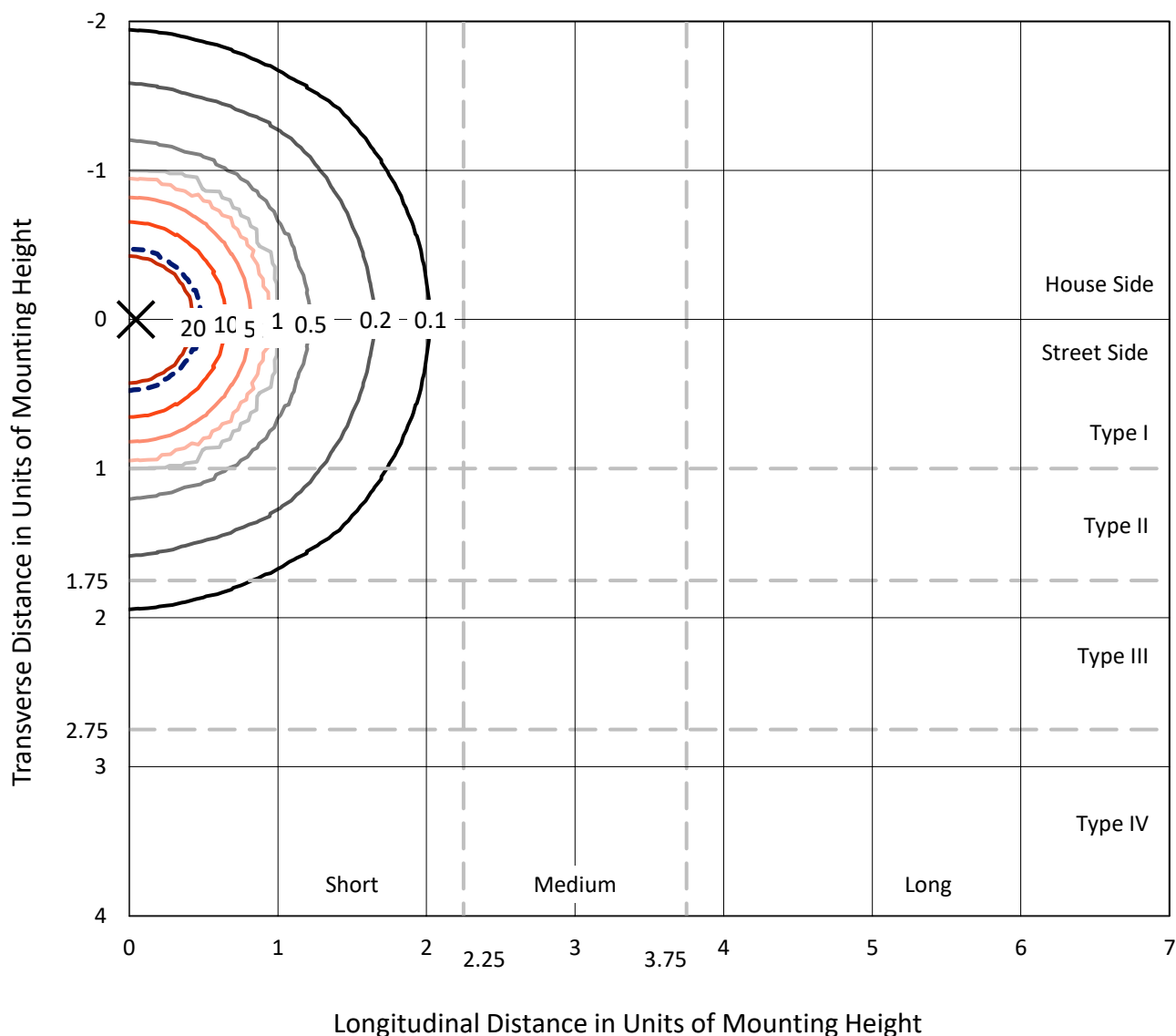
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

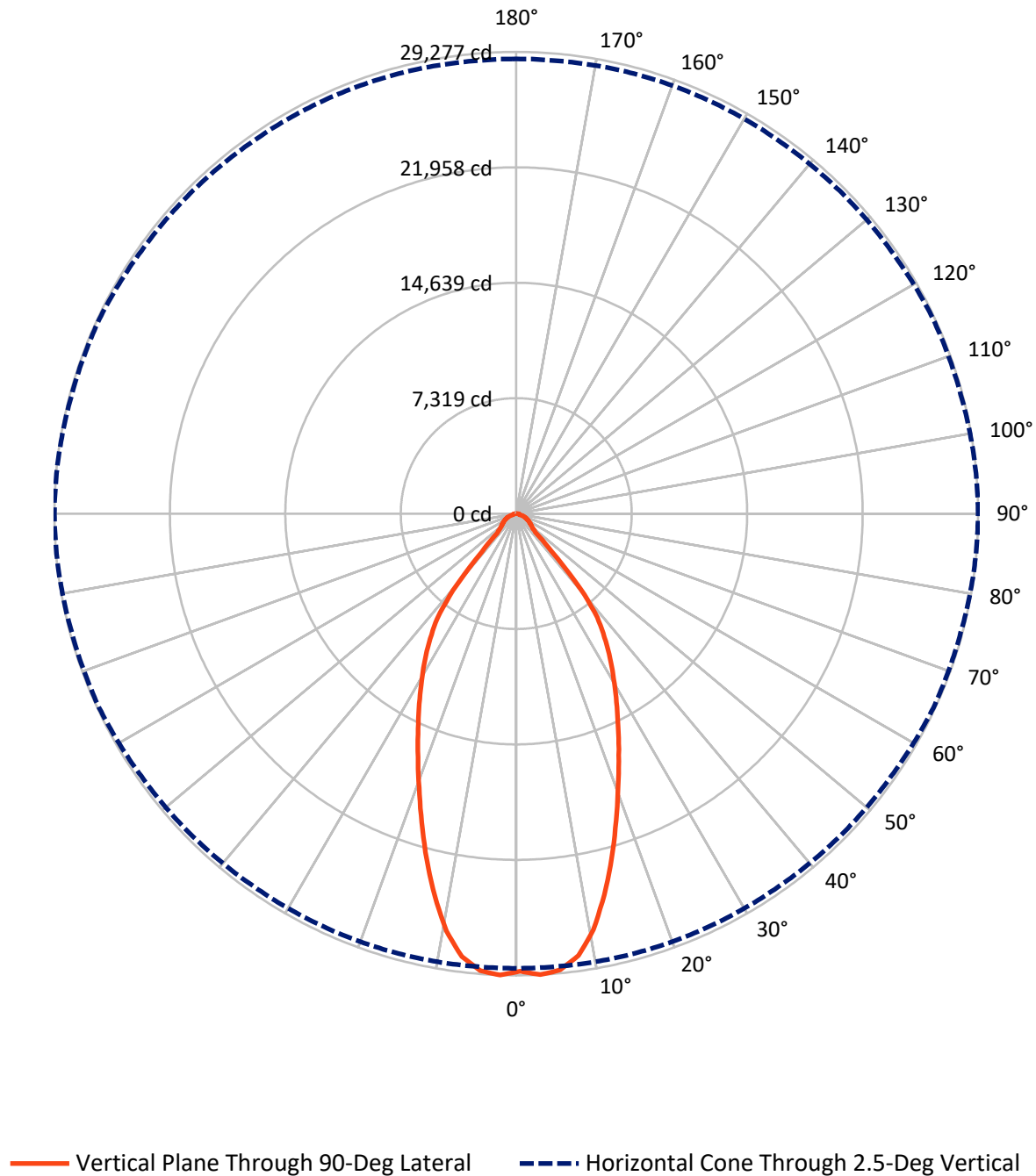


Based on 25 foot mounting height. Maximum calculated value = 46.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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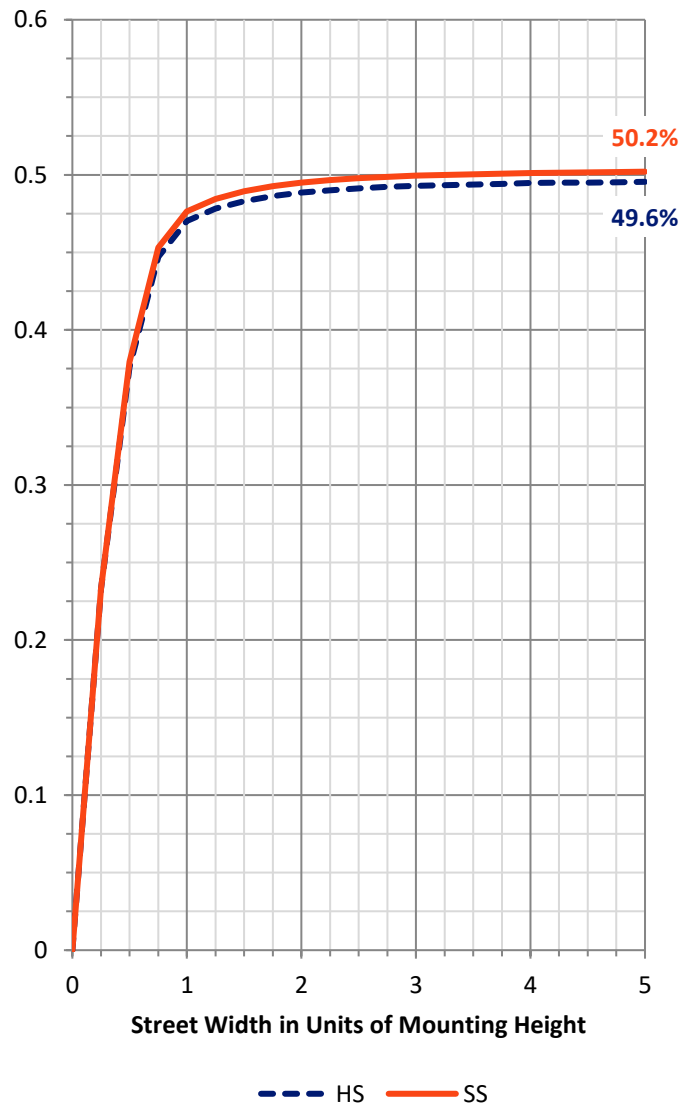
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12674.3	0.0	12674.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12674.3	0.0	12674.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	25348.6	0.0	25348.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2674.9	10.6
10°-20°	6174.7	24.4
20°-30°	6779.3	26.7
30°-40°	5878.1	23.2
40°-50°	1934.2	7.6
50°-60°	867.2	3.4
60°-70°	613.0	2.4
70°-80°	332.8	1.3
80°-90°	94.4	0.4
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°	25348.6	100.0
0°-180°	25348.6	100.0

Coefficient of Utilization



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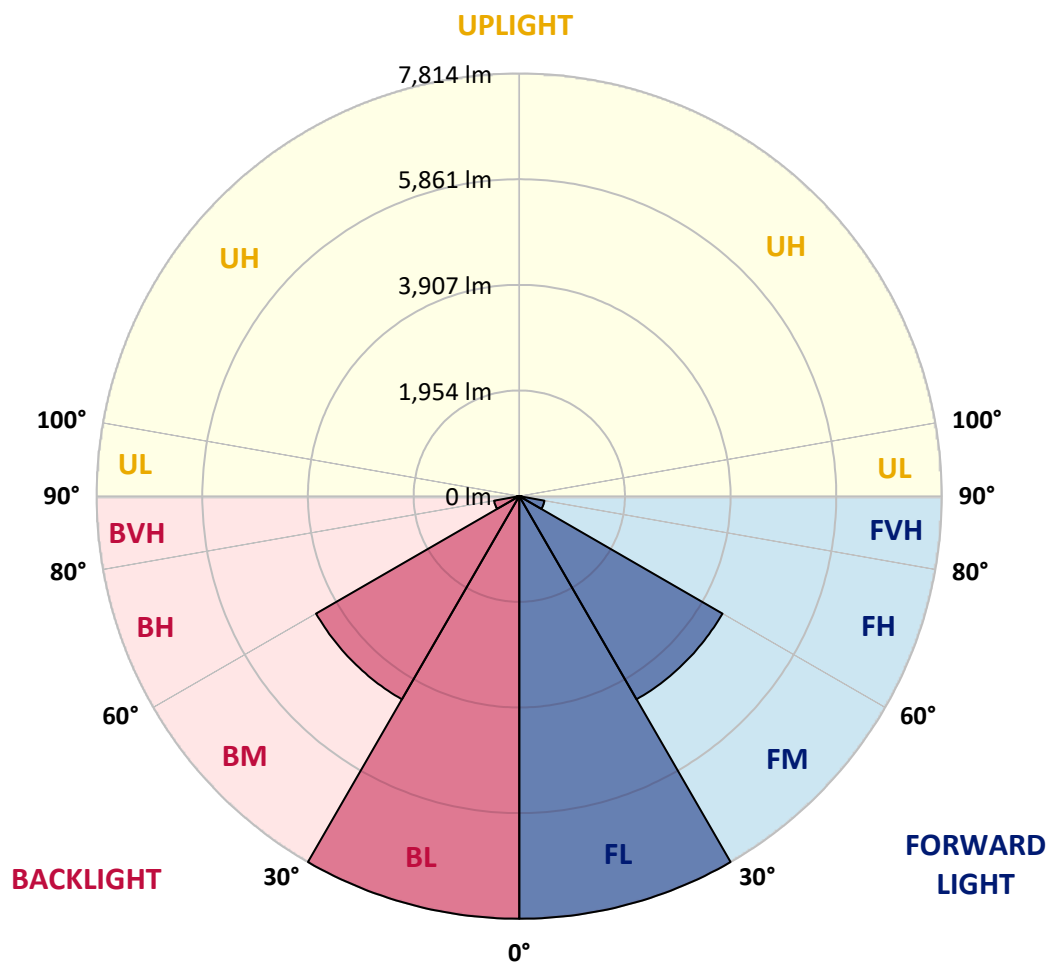
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7814.5	30.8			
FM	(30°-60°)	4339.8	17.1			
FH	(60°-80°)	472.9	1.9			G0/660
FVH	(80°-90°)	47.2	0.2			G1/100
BL	(0°-30°)	7814.5	30.8	B5		
BM	(30°-60°)	4339.8	17.1	B3/5000		
BH	(60°-80°)	472.9	1.9	B1/500		G0/660
BVH	(80°-90°)	47.2	0.2			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°
0°	29016.2	29016.2	29016.2	29016.2	29016.2	29016.2	29016.2	29016.2	29016.2	29016.2
2.5°	28835.7	28831.8	28877.9	28901.0	28912.5	28966.3	29020.0	29162.1	29166.0	29250.5
5°	28797.3	28762.7	28793.4	28747.3	28758.9	28758.9	28828.0	28931.7	28970.1	29054.6
7.5°	27940.8	27933.1	27913.9	27864.0	27925.4	27883.2	28009.9	28102.1	28190.4	28232.7
10°	26343.1	26270.1	26270.1	26201.0	26262.4	26204.8	26412.2	26496.7	26646.5	26734.8
12.5°	24276.8	24246.1	24249.9	24219.2	24215.4	24134.7	24376.7	24449.6	24584.1	24714.6
15°	22072.3	22026.2	22068.4	22068.4	22033.9	21960.9	22218.2	22318.1	22513.9	22575.4
17.5°	19894.6	19875.4	19902.3	19913.8	19886.9	19817.8	20067.4	20286.4	20420.8	20420.8
20°	17897.5	17889.8	17924.4	17889.8	17862.9	17816.8	18047.3	18258.5	18377.6	18385.2
22.5°	16142.3	16184.5	16153.8	16111.6	16054.0	16019.4	16230.6	16426.5	16507.2	16587.8
25°	14602.2	14613.7	14636.8	14571.5	14502.3	14460.1	14617.5	14782.7	14909.4	14955.5
27.5°	13334.8	13377.0	13319.4	13219.5	13181.1	13131.2	13242.6	13361.7	13453.8	13519.1
30°	12101.9	12125.0	12136.5	12032.8	11940.6	11867.6	11959.8	12063.5	12098.1	12155.7
32.5°	10919.0	10957.4	10995.8	10869.1	10803.8	10734.6	10780.7	10846.0	10865.2	10869.1
35°	9739.9	9713.0	9678.5	9632.4	9582.4	9498.0	9544.0	9567.1	9582.4	9582.4
37.5°	8315.0	8338.1	8345.8	8257.4	8234.4	8176.8	8207.5	8211.3	8242.1	8261.3
40°	6291.0	6371.7	6317.9	6264.1	6271.8	6202.7	6191.1	6175.8	6244.9	6271.8
42.5°	3422.0	3560.3	3418.2	3464.3	3429.7	3391.3	3379.8	3399.0	3310.6	3237.7
45°	1720.6	1712.9	1743.7	1743.7	1774.4	1785.9	1759.0	1736.0	1724.5	1693.7
47.5°	1386.5	1363.4	1359.6	1378.8	1401.8	1417.2	1394.2	1382.6	1378.8	1398.0
50°	1190.6	1156.0	1144.5	1171.4	1190.6	1206.0	1186.8	1186.8	1182.9	1213.6
52.5°	1037.0	1002.4	1002.4	1056.2	1071.5	1086.9	1075.4	1075.4	1075.4	1110.0
55°	917.9	891.0	860.3	929.4	979.4	994.7	987.0	983.2	987.0	1025.5
57.5°	825.7	810.4	791.2	806.5	883.4	902.6	898.7	898.7	906.4	937.1
60°	737.4	729.7	722.0	722.0	783.5	818.1	814.2	814.2	821.9	841.1
62.5°	656.8	649.1	641.4	649.1	672.1	725.9	725.9	729.7	741.2	748.9
65°	576.1	572.3	572.3	576.1	583.8	626.0	641.4	652.9	664.4	668.3
67.5°	499.3	495.4	499.3	507.0	507.0	526.2	560.7	572.3	583.8	583.8
70°	403.3	422.5	434.0	437.8	445.5	449.4	480.1	503.1	514.6	499.3
72.5°	218.9	249.6	376.4	387.9	391.7	395.6	418.6	445.5	453.2	295.7
75°	157.5	157.5	314.9	334.1	338.0	338.0	357.2	384.1	391.7	226.6
77.5°	103.7	99.9	218.9	242.0	276.5	222.8	291.9	322.6	330.3	188.2
80°	80.7	76.8	169.0	188.2	192.0	153.6	238.1	261.2	265.0	153.6
82.5°	61.5	57.6	122.9	138.3	149.8	99.9	169.0	199.7	207.4	134.4
85°	34.6	34.6	61.5	57.6	88.3	65.3	96.0	99.9	134.4	84.5
87.5°	11.5	15.4	26.9	26.9	30.7	26.9	38.4	38.4	42.2	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

29016.2
29277.3
29070.0
28301.8
26830.8
24803.0
22659.9
20470.7
18427.5
16633.9
14986.3
13538.3
12167.2
10915.2
9628.5
8341.9
6306.4
3272.2
1720.6
1413.4
1252.1
1148.4
1048.5
960.2
856.5
760.5
676.0
583.8
441.7
253.5
222.8
184.4
138.3
138.3
80.7
23.0
0.0