

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: P524259

Luminaire Tested: **IFLD-S-SA2D-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524259
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9795 lumens
Efficiency: N/A
Efficacy: 79.1 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): 123.9
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

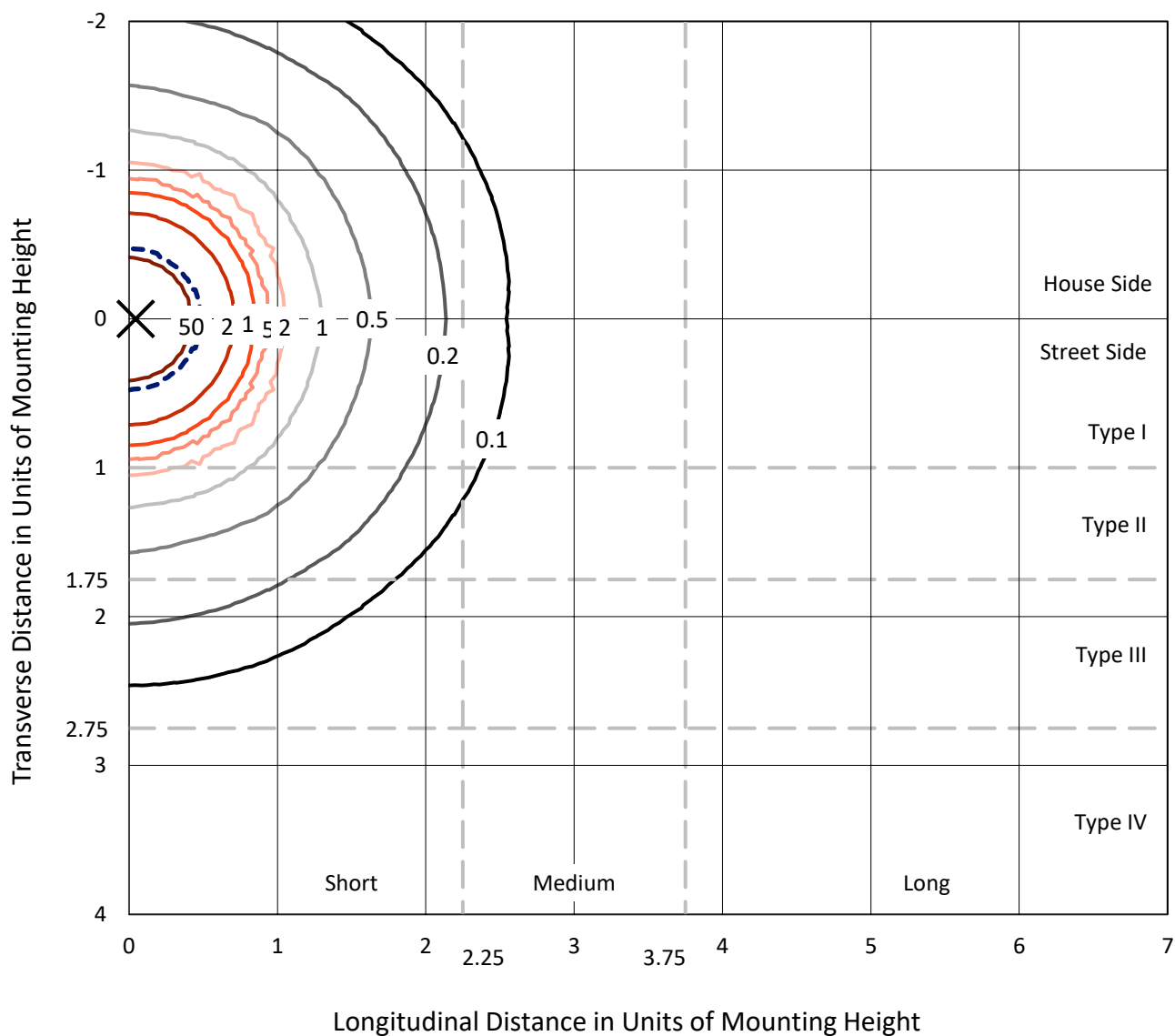
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

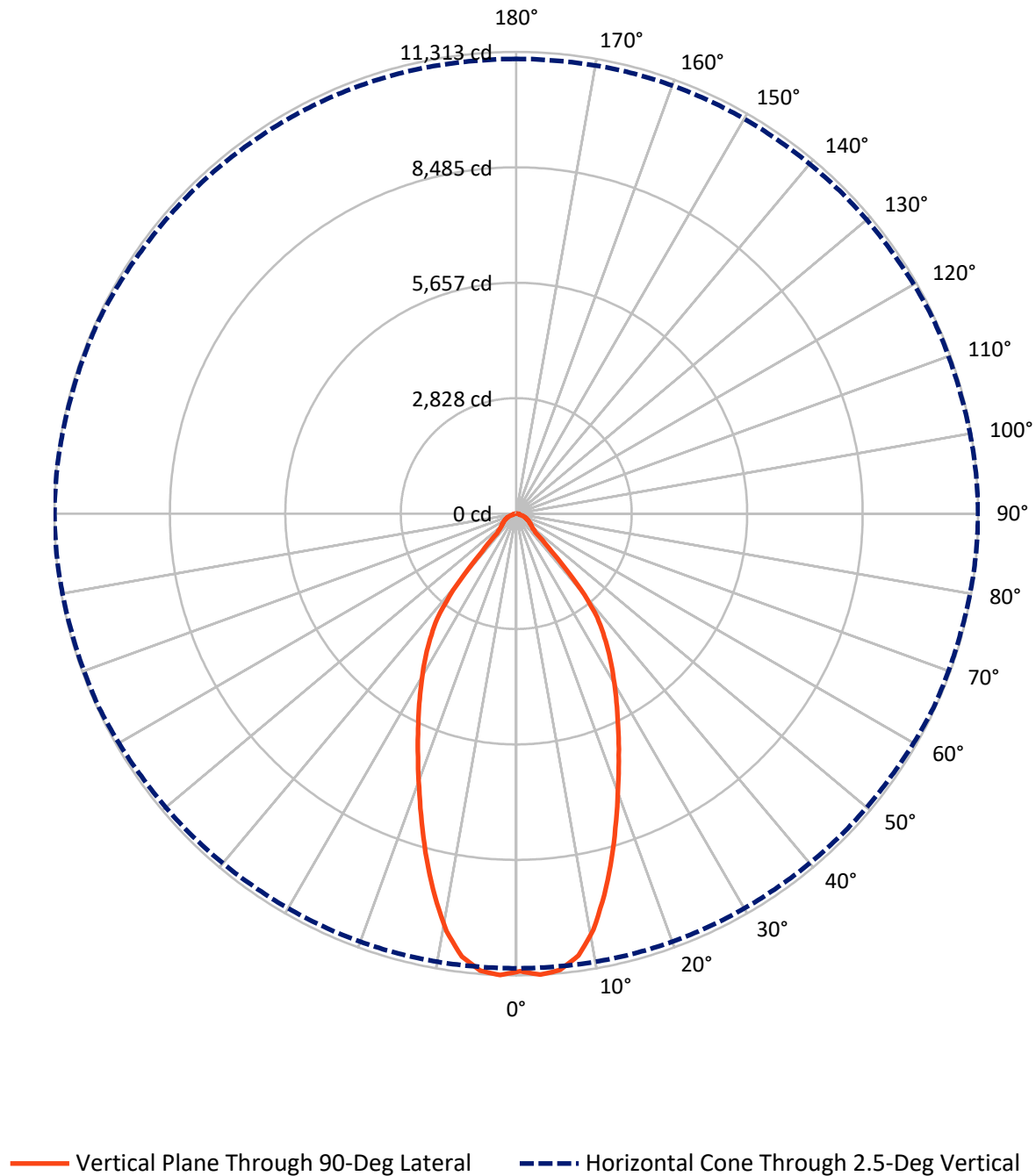


Based on 10 foot mounting height. Maximum calculated value = 112.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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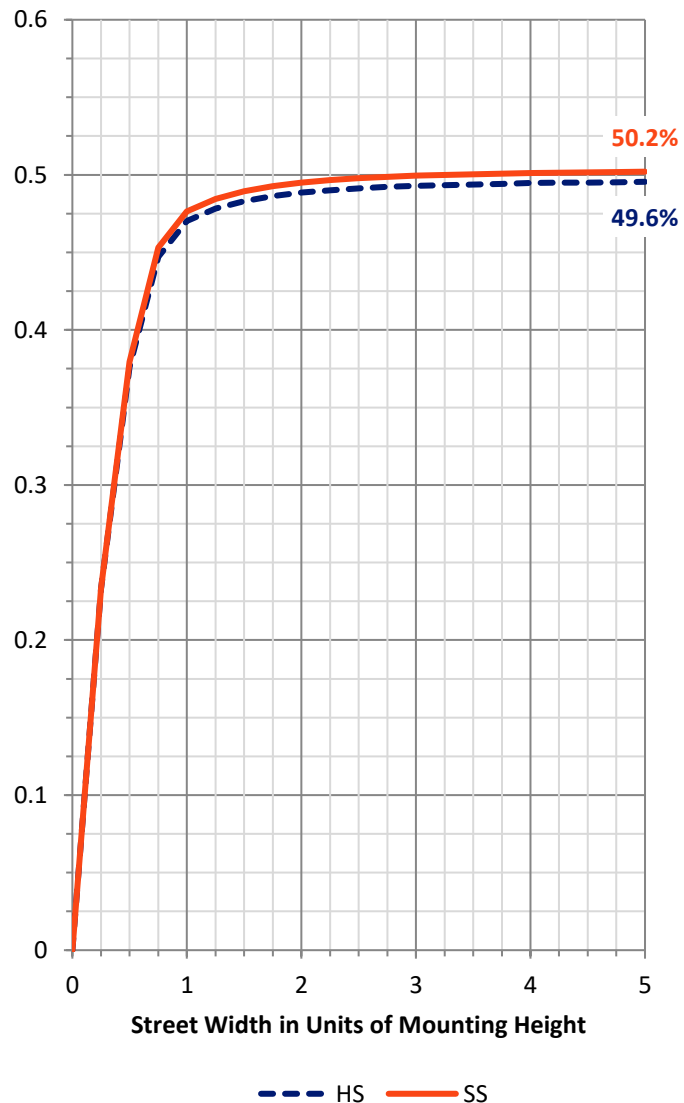
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4897.5	0.0	4897.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4897.5	0.0	4897.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9795.0	0.0	9795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.6	10.6
10°-20°	2386.0	24.4
20°-30°	2619.6	26.7
30°-40°	2271.4	23.2
40°-50°	747.4	7.6
50°-60°	335.1	3.4
60°-70°	236.8	2.4
70°-80°	128.6	1.3
80°-90°	36.5	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°	9795.0	100.0
0°-180°	9795.0	100.0

Coefficient of Utilization



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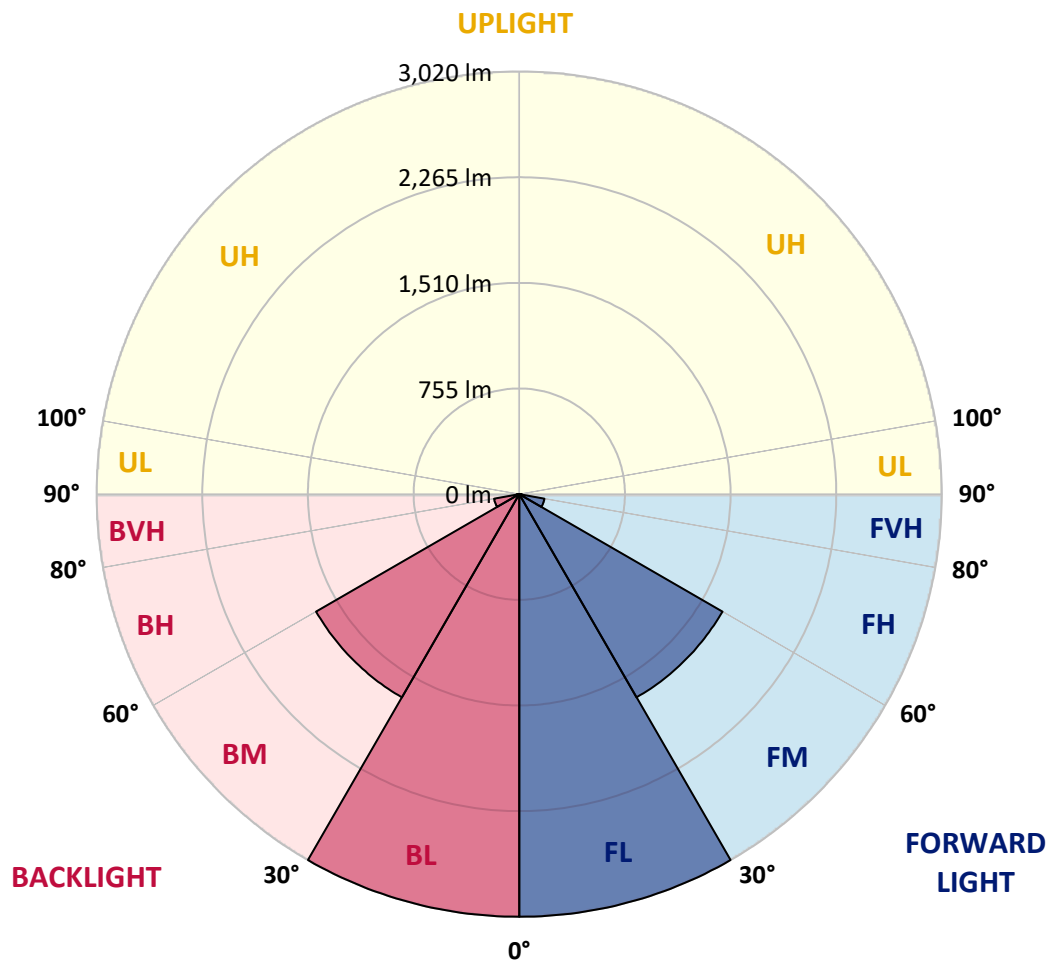
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3019.6	30.8			
FM	(30°-60°)	1676.9	17.1			
FH	(60°-80°)	182.7	1.9			G0/660
FVH	(80°-90°)	18.2	0.2			G1/100
BL	(0°-30°)	3019.6	30.8	B4/5000		
BM	(30°-60°)	1676.9	17.1	B2/2500		
BH	(60°-80°)	182.7	1.9	B1/500		G0/660
BVH	(80°-90°)	18.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11212.2	11212.2	11212.2	11212.2	11212.2	11212.2	11212.2	11212.2	11212.2	11212.2
2.5°	11142.5	11141.0	11158.8	11167.7	11172.2	11192.9	11213.7	11268.6	11270.1	11302.8
5°	11127.6	11114.3	11126.2	11108.3	11112.8	11112.8	11139.5	11179.6	11194.4	11227.1
7.5°	10796.7	10793.7	10786.3	10767.0	10790.7	10774.4	10823.4	10859.0	10893.2	10909.5
10°	10179.3	10151.1	10151.1	10124.4	10148.1	10125.9	10206.0	10238.7	10296.6	10330.7
12.5°	9380.9	9369.0	9370.5	9358.6	9357.1	9326.0	9419.5	9447.7	9499.6	9550.1
15°	8529.0	8511.2	8527.5	8527.5	8514.2	8486.0	8585.4	8624.0	8699.7	8723.4
17.5°	7687.5	7680.1	7690.5	7695.0	7684.6	7657.9	7754.3	7838.9	7890.9	7890.9
20°	6915.8	6912.8	6926.2	6912.8	6902.5	6884.6	6973.7	7055.3	7101.3	7104.3
22.5°	6237.6	6253.9	6242.0	6225.7	6203.5	6190.1	6271.7	6347.4	6378.6	6409.7
25°	5642.5	5646.9	5655.8	5630.6	5603.9	5587.6	5648.4	5712.2	5761.2	5779.0
27.5°	5152.7	5169.1	5146.8	5108.2	5093.4	5074.1	5117.1	5163.1	5198.7	5224.0
30°	4676.3	4685.2	4689.7	4649.6	4614.0	4585.8	4621.4	4661.5	4674.9	4697.1
32.5°	4219.2	4234.1	4248.9	4199.9	4174.7	4148.0	4165.8	4191.0	4198.5	4199.9
35°	3763.6	3753.2	3739.9	3722.1	3702.8	3670.1	3687.9	3696.8	3702.8	3702.8
37.5°	3213.0	3221.9	3224.9	3190.8	3181.9	3159.6	3171.5	3173.0	3184.8	3192.3
40°	2430.9	2462.1	2441.3	2420.5	2423.5	2396.8	2392.3	2386.4	2413.1	2423.5
42.5°	1322.3	1375.7	1320.8	1338.6	1325.3	1310.4	1306.0	1313.4	1279.3	1251.1
45°	664.9	661.9	673.8	673.8	685.6	690.1	679.7	670.8	666.4	654.5
47.5°	535.8	526.8	525.4	532.8	541.7	547.6	538.7	534.3	532.8	540.2
50°	460.1	446.7	442.3	452.6	460.1	466.0	458.6	458.6	457.1	469.0
52.5°	400.7	387.3	387.3	408.1	414.1	420.0	415.5	415.5	415.5	428.9
55°	354.7	344.3	332.4	359.1	378.4	384.4	381.4	379.9	381.4	396.2
57.5°	319.1	313.1	305.7	311.7	341.3	348.8	347.3	347.3	350.2	362.1
60°	284.9	282.0	279.0	279.0	302.8	316.1	314.6	314.6	317.6	325.0
62.5°	253.8	250.8	247.8	250.8	259.7	280.5	280.5	282.0	286.4	289.4
65°	222.6	221.1	221.1	222.6	225.6	241.9	247.8	252.3	256.7	258.2
67.5°	192.9	191.4	192.9	195.9	195.9	203.3	216.7	221.1	225.6	225.6
70°	155.8	163.2	167.7	169.2	172.2	173.6	185.5	194.4	198.9	192.9
72.5°	84.6	96.5	145.4	149.9	151.4	152.9	161.8	172.2	175.1	114.3
75°	60.8	60.8	121.7	129.1	130.6	130.6	138.0	148.4	151.4	87.6
77.5°	40.1	38.6	84.6	93.5	106.9	86.1	112.8	124.7	127.6	72.7
80°	31.2	29.7	65.3	72.7	74.2	59.4	92.0	100.9	102.4	59.4
82.5°	23.7	22.3	47.5	53.4	57.9	38.6	65.3	77.2	80.1	51.9
85°	13.4	13.4	23.7	22.3	34.1	25.2	37.1	38.6	51.9	32.6
87.5°	4.5	5.9	10.4	10.4	11.9	10.4	14.8	14.8	16.3	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11212.2
11313.1
11233.0
10936.2
10367.8
9584.2
8756.1
7910.1
7120.6
6427.6
5790.9
5231.4
4701.6
4217.8
3720.6
3223.4
2436.9
1264.4
664.9
546.1
483.8
443.7
405.2
371.0
330.9
293.8
261.2
225.6
170.7
97.9
86.1
71.2
53.4
53.4
31.2
8.9
0.0