

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: P524256

Luminaire Tested: **IFLD-S-SA2A-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524256
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-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: 5782.1 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.8
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

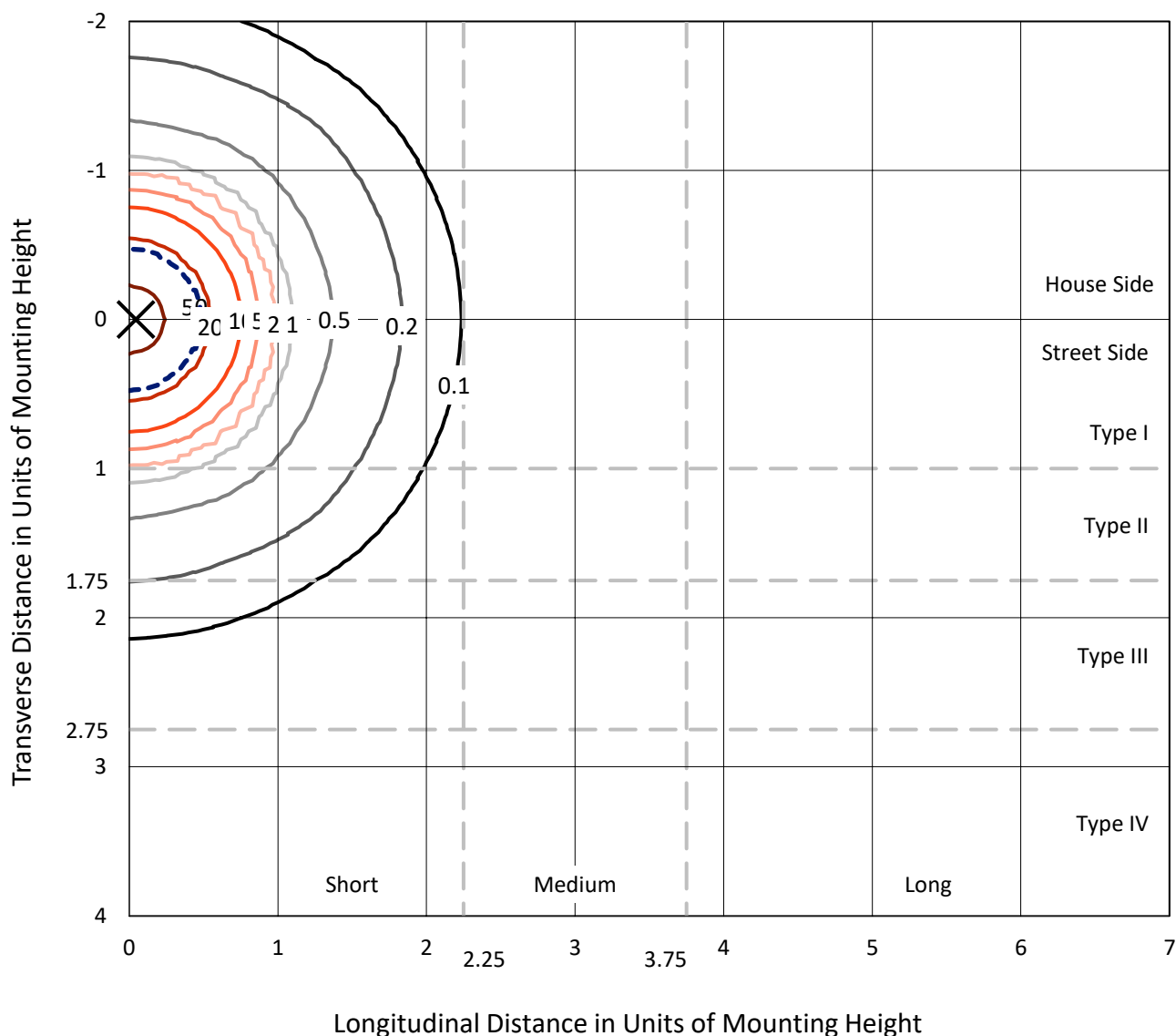
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

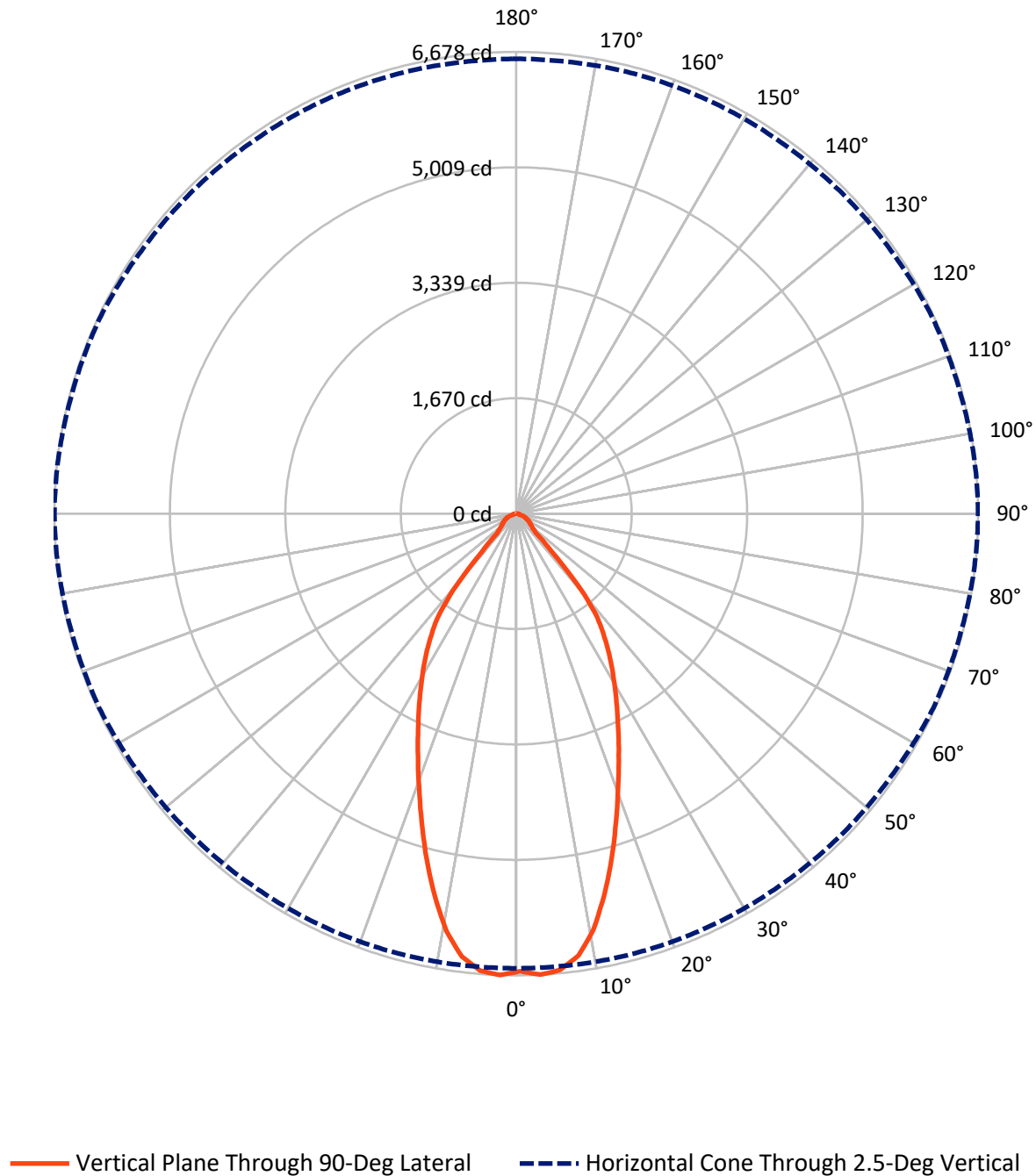


Based on 10 foot mounting height. Maximum calculated value = 66.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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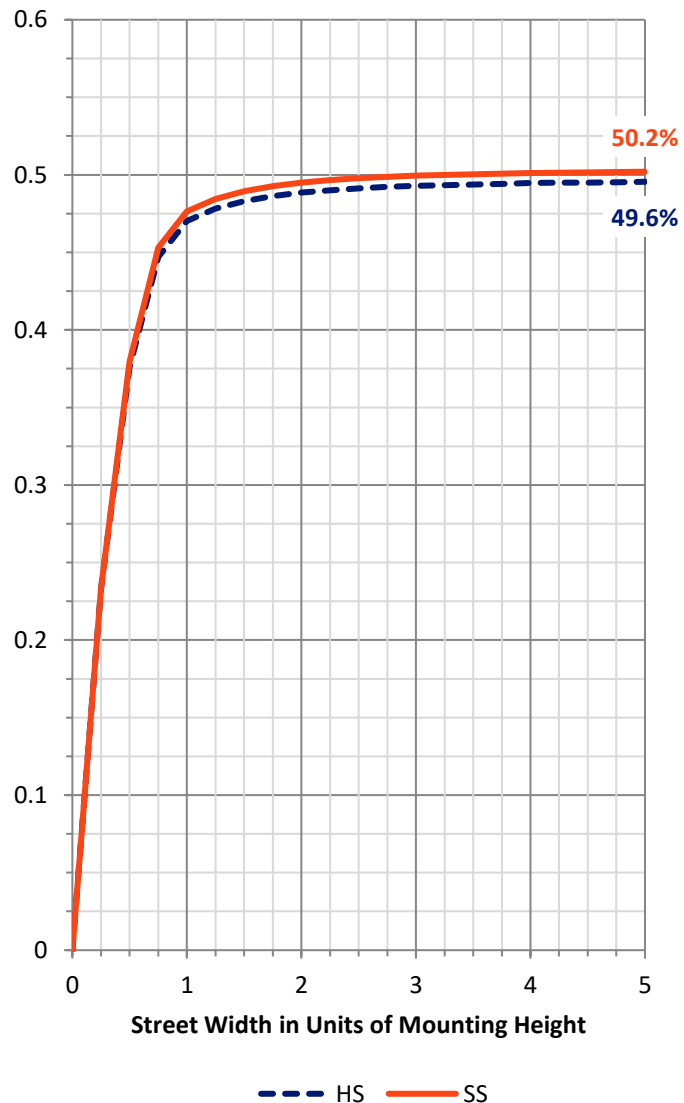
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2891.1	0.0	2891.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2891.1	0.0	2891.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5782.1	0.0	5782.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.2	10.6
10°-20°	1408.5	24.4
20°-30°	1546.4	26.7
30°-40°	1340.8	23.2
40°-50°	441.2	7.6
50°-60°	197.8	3.4
60°-70°	139.8	2.4
70°-80°	75.9	1.3
80°-90°	21.5	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°	5782.1	100.0
0°-180°	5782.1	100.0

Coefficient of Utilization



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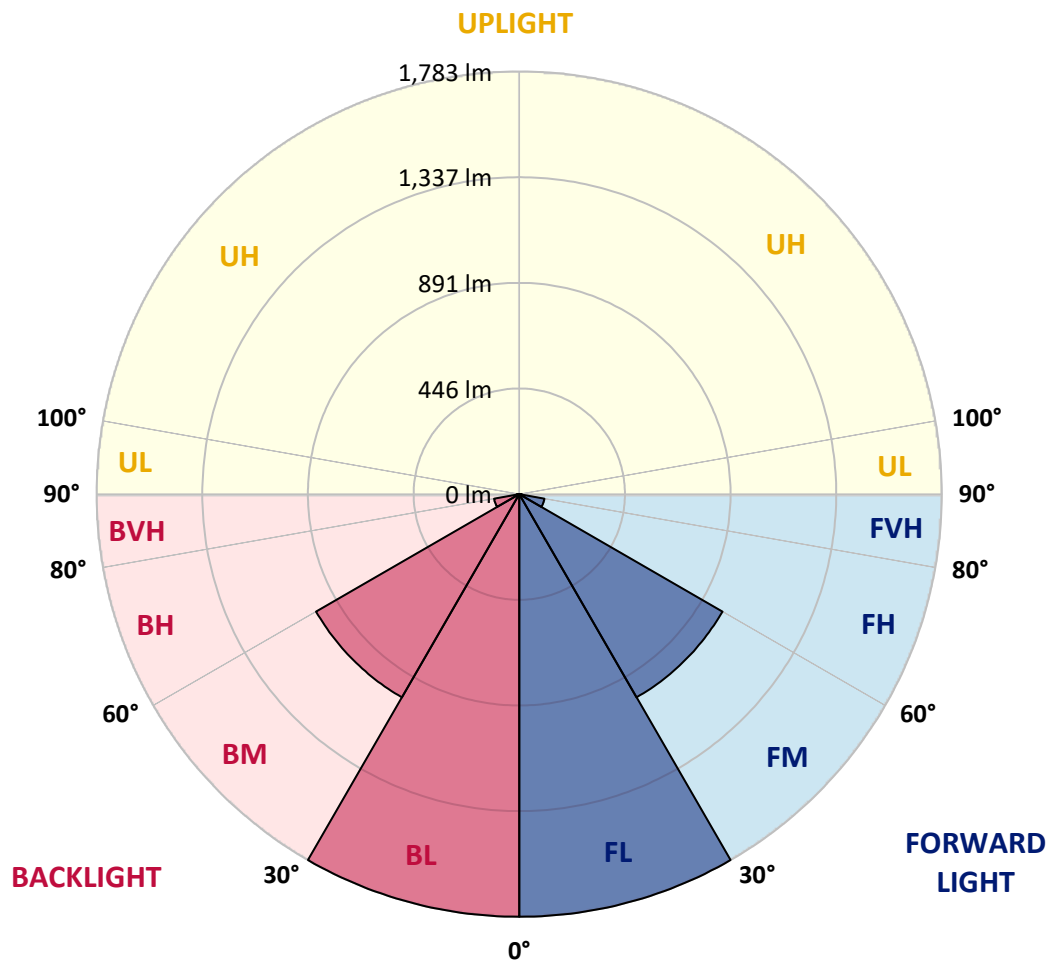
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1782.5	30.8			
FM	(30°-60°)	989.9	17.1			
FH	(60°-80°)	107.9	1.9			G0/660
FVH	(80°-90°)	10.8	0.2			G1/100
BL	(0°-30°)	1782.5	30.8	B3/2500		
BM	(30°-60°)	989.9	17.1	B1/1000		
BH	(60°-80°)	107.9	1.9	B0/110		G0/660
BVH	(80°-90°)	10.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6618.7	6618.7	6618.7	6618.7	6618.7	6618.7	6618.7	6618.7	6618.7	6618.7
2.5°	6577.6	6576.7	6587.2	6592.4	6595.1	6607.3	6619.6	6652.0	6652.9	6672.2
5°	6568.8	6560.9	6567.9	6557.4	6560.0	6560.0	6575.8	6599.5	6608.2	6627.5
7.5°	6373.4	6371.7	6367.3	6355.9	6369.9	6360.3	6389.2	6410.2	6430.4	6440.0
10°	6009.0	5992.3	5992.3	5976.6	5990.6	5977.4	6024.8	6044.0	6078.2	6098.3
12.5°	5537.7	5530.6	5531.5	5524.5	5523.6	5505.2	5560.4	5577.1	5607.7	5637.5
15°	5034.8	5024.3	5033.9	5033.9	5026.0	5009.4	5068.1	5090.9	5135.5	5149.6
17.5°	4538.1	4533.7	4539.8	4542.4	4536.3	4520.5	4577.5	4627.4	4658.1	4658.1
20°	4082.5	4080.7	4088.6	4080.7	4074.6	4064.1	4116.7	4164.8	4192.0	4193.8
22.5°	3682.1	3691.8	3684.8	3675.1	3662.0	3654.1	3702.3	3747.0	3765.4	3783.8
25°	3330.8	3333.5	3338.7	3323.8	3308.0	3298.4	3334.3	3372.0	3400.9	3411.4
27.5°	3041.7	3051.4	3038.2	3015.4	3006.7	2995.3	3020.7	3047.9	3068.9	3083.8
30°	2760.5	2765.8	2768.4	2744.7	2723.7	2707.1	2728.1	2751.7	2759.6	2772.8
32.5°	2490.7	2499.4	2508.2	2479.3	2464.4	2448.6	2459.1	2474.0	2478.4	2479.3
35°	2221.7	2215.6	2207.7	2197.2	2185.8	2166.5	2177.0	2182.3	2185.8	2185.8
37.5°	1896.7	1902.0	1903.7	1883.6	1878.3	1865.2	1872.2	1873.0	1880.1	1884.4
40°	1435.0	1453.4	1441.1	1428.9	1430.6	1414.9	1412.2	1408.7	1424.5	1430.6
42.5°	780.6	812.1	779.7	790.2	782.3	773.6	770.9	775.3	755.2	738.5
45°	392.5	390.7	397.7	397.7	404.7	407.4	401.2	396.0	393.4	386.3
47.5°	316.3	311.0	310.1	314.5	319.8	323.3	318.0	315.4	314.5	318.9
50°	271.6	263.7	261.1	267.2	271.6	275.1	270.7	270.7	269.8	276.8
52.5°	236.5	228.7	228.7	240.9	244.4	247.9	245.3	245.3	245.3	253.2
55°	209.4	203.2	196.2	212.0	223.4	226.9	225.2	224.3	225.2	233.9
57.5°	188.4	184.9	180.5	184.0	201.5	205.9	205.0	205.0	206.8	213.8
60°	168.2	166.5	164.7	164.7	178.7	186.6	185.7	185.7	187.5	191.9
62.5°	149.8	148.1	146.3	148.1	153.3	165.6	165.6	166.5	169.1	170.8
65°	131.4	130.5	130.5	131.4	133.2	142.8	146.3	148.9	151.6	152.4
67.5°	113.9	113.0	113.9	115.6	115.6	120.0	127.9	130.5	133.2	133.2
70°	92.0	96.4	99.0	99.9	101.6	102.5	109.5	114.8	117.4	113.9
72.5°	49.9	56.9	85.9	88.5	89.4	90.2	95.5	101.6	103.4	67.5
75°	35.9	35.9	71.8	76.2	77.1	77.1	81.5	87.6	89.4	51.7
77.5°	23.7	22.8	49.9	55.2	63.1	50.8	66.6	73.6	75.3	42.9
80°	18.4	17.5	38.5	42.9	43.8	35.0	54.3	59.6	60.4	35.0
82.5°	14.0	13.1	28.0	31.5	34.2	22.8	38.5	45.6	47.3	30.7
85°	7.9	7.9	14.0	13.1	20.1	14.9	21.9	22.8	30.7	19.3
87.5°	2.6	3.5	6.1	6.1	7.0	6.1	8.8	8.8	9.6	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6618.7
6678.3
6631.0
6455.8
6120.2
5657.7
5168.8
4669.5
4203.4
3794.3
3418.4
3088.2
2775.4
2489.8
2196.3
1902.8
1438.5
746.4
392.5
322.4
285.6
261.9
239.2
219.0
195.4
173.5
154.2
133.2
100.7
57.8
50.8
42.1
31.5
31.5
18.4
5.3
0.0