

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: P636281

Luminaire Tested: **IFLD-S-SA3D-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636281
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13795.1 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

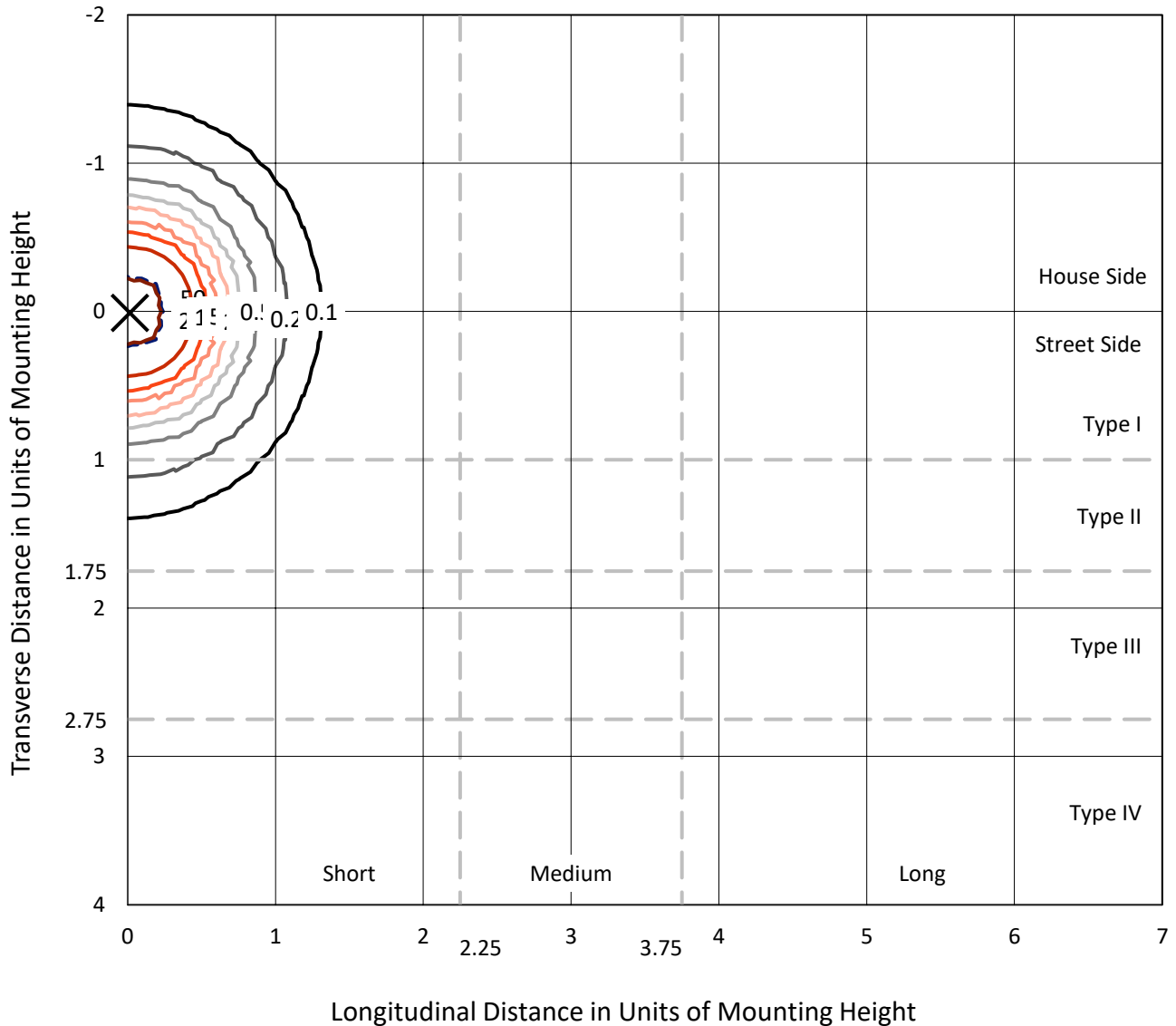
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

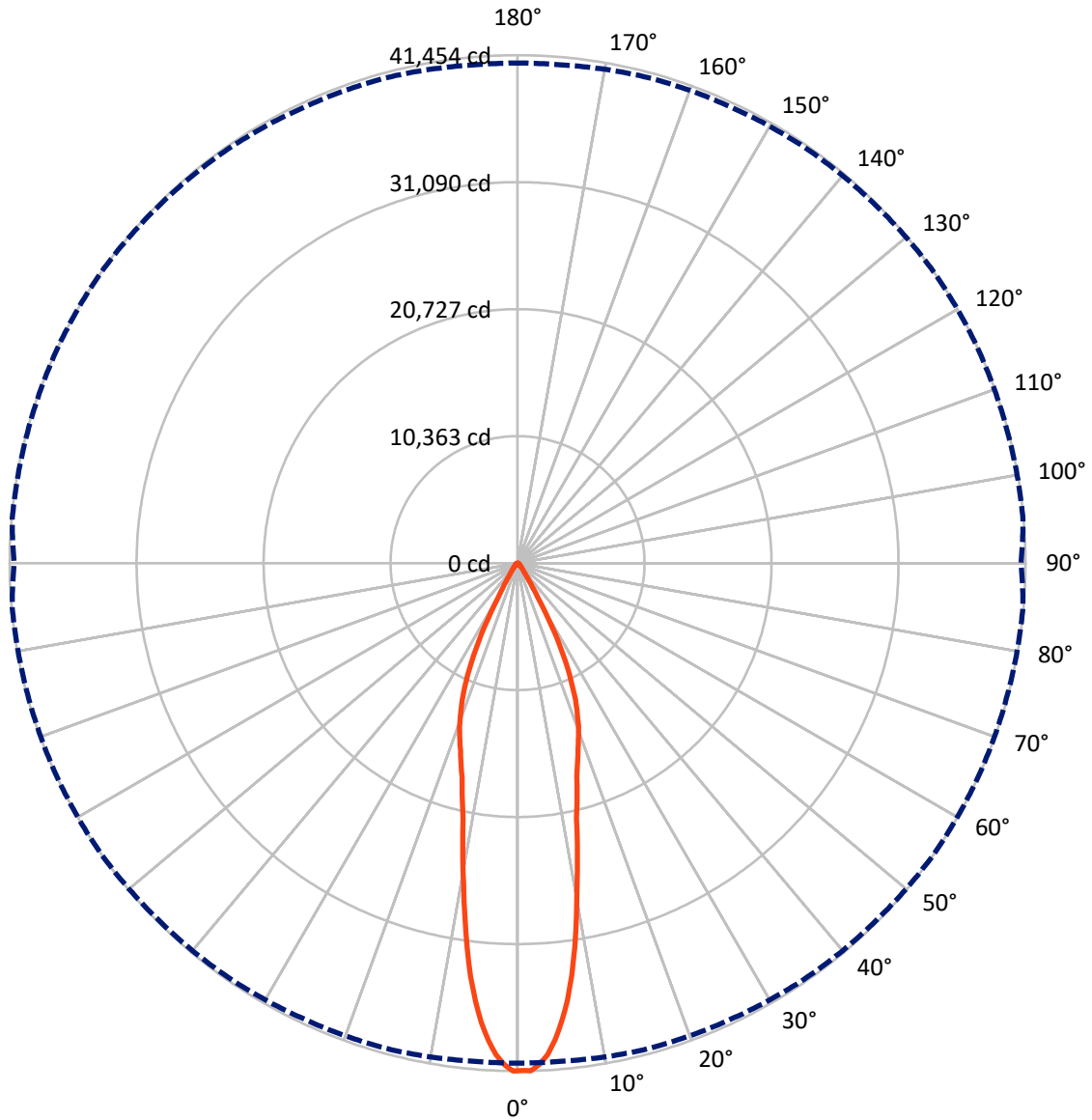
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 103.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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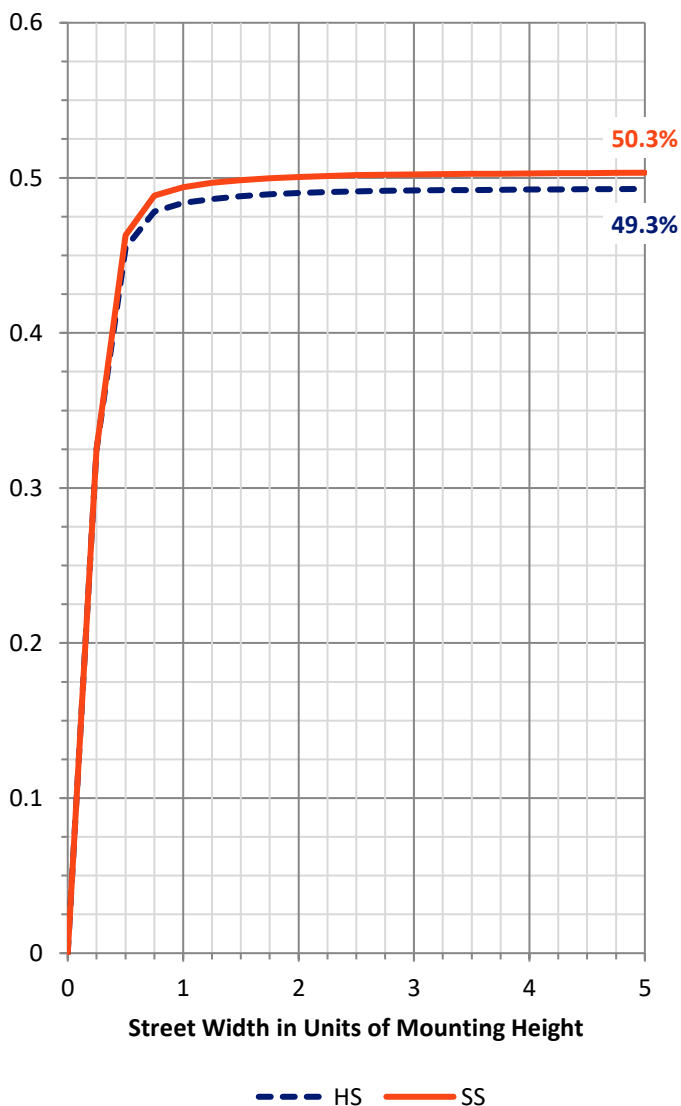
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6897.5	0.0	6897.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6897.5	0.0	6897.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13795.1	0.0	13795.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3150.4	22.8
10°-20°	5145.4	37.3
20°-30°	4020.8	29.1
30°-40°	876.4	6.4
40°-50°	259.5	1.9
50°-60°	162.3	1.2
60°-70°	113.5	0.8
70°-80°	48.7	0.4
80°-90°	18.0	0.1
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°	13795.1	100.0
0°-180°	13795.1	100.0

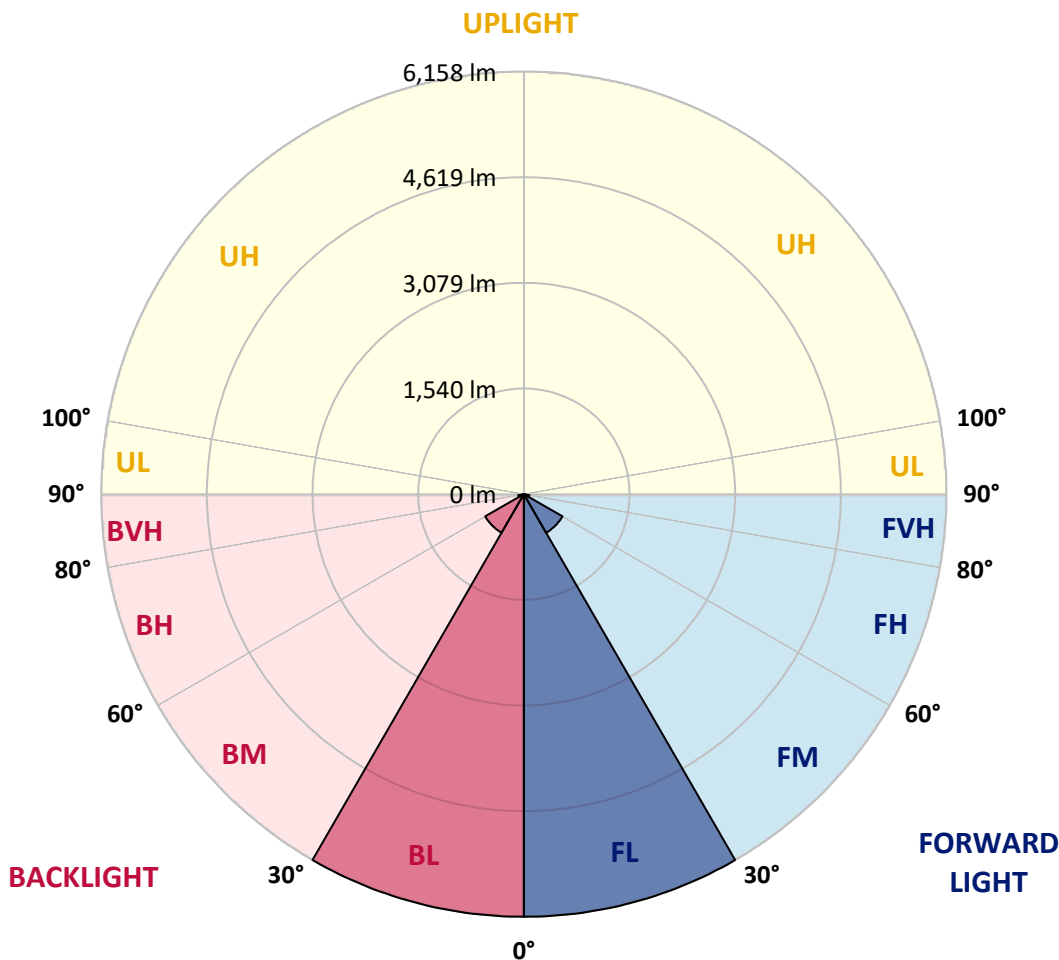


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6158.3	44.6			
FM (30°-60°)	649.1	4.7			
FH (60°-80°)	81.1	0.6			G0/660
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	6158.3	44.6	B5		
BM (30°-60°)	649.1	4.7	B1/1000		
BH (60°-80°)	81.1	0.6	B0/110		G0/660
BVH (80°-90°)	9.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	41406.0	41406.0	41406.0	41406.0	41406.0	41406.0	41406.0	41406.0	41406.0	41406.0
1°	40806.6	40811.6	41033.9	41083.9	41236.2	41313.6	41453.5	41438.5	41396.0	41401.0
2°	40054.9	40022.5	40229.8	40459.5	40641.8	40791.7	40959.0	40993.9	40954.0	40991.5
3°	38818.8	38771.3	39061.0	39348.2	39665.4	39922.6	40174.8	40184.8	40137.4	40134.9
4°	37193.0	37105.6	37450.2	37962.2	38361.7	38703.9	39018.5	39013.6	38948.6	39001.1
5°	35227.6	35117.7	35564.7	36239.0	36830.9	37242.9	37590.1	37507.7	37357.8	37365.3
6°	32815.1	32922.5	33469.4	34415.9	35115.2	35457.3	35884.4	35729.5	35469.8	35442.3
7°	30547.5	30789.8	31226.8	32368.1	33199.7	33559.3	33921.5	33609.3	33257.2	33199.7
8°	28160.1	28564.7	29169.0	30220.4	31107.0	31469.1	31606.4	31271.8	30894.7	30879.7
9°	26224.6	26501.8	27021.3	27947.8	28849.4	29091.6	29121.6	28829.4	28452.3	28477.2
10°	24464.0	24516.5	24966.0	25762.6	26484.4	26656.7	26649.2	26436.9	26127.2	26209.7
12.5°	20523.2	20665.5	20795.4	21050.1	21292.4	21404.8	21362.3	21274.9	21105.1	21112.6
15°	17848.5	17846.0	17861.0	17978.4	18050.8	18063.3	18063.3	17953.4	17881.0	17988.4
17.5°	15488.5	15618.4	15850.7	15945.6	16040.5	16005.5	15940.6	15890.6	15843.2	15935.6
20°	13653.0	13710.4	13712.9	13775.4	14254.9	14279.8	14197.4	14055.1	13935.2	13912.7
22.5°	11587.7	11675.1	11712.6	11767.5	11817.4	12182.1	12084.7	11854.9	11712.6	11670.1
25°	8698.3	8668.3	8913.0	9362.6	9435.0	9479.9	9455.0	9335.1	9242.7	9260.2
27.5°	6011.1	6063.6	6053.6	6058.6	6535.6	6533.1	6525.6	6420.7	6393.2	6353.3
30°	3361.4	3336.5	3348.9	3316.5	3249.0	3331.5	3199.1	3311.5	3201.6	3236.6
32.5°	1987.9	1970.4	1952.9	1960.4	1910.5	1788.1	1735.7	1813.1	1788.1	1778.1
35°	1268.7	1276.1	1298.6	1296.1	1251.2	1181.2	1106.3	1176.3	1166.3	1136.3
37.5°	809.1	809.1	816.6	881.6	844.1	784.2	731.7	761.7	759.2	754.2
40°	574.4	574.4	584.4	601.9	581.9	551.9	521.9	521.9	526.9	512.0
42.5°	427.0	427.0	437.0	447.0	422.1	412.1	397.1	387.1	399.6	387.1
45°	334.6	332.1	334.6	329.6	314.7	314.7	302.2	287.2	302.2	294.7
47.5°	274.7	272.2	269.7	259.7	244.7	247.2	242.2	229.8	237.2	234.8
50°	239.7	234.8	237.2	227.3	214.8	212.3	212.3	199.8	202.3	202.3
52.5°	209.8	209.8	207.3	202.3	197.3	187.3	189.8	177.3	177.3	177.3
55°	197.3	197.3	192.3	182.3	184.8	177.3	169.8	162.3	159.8	159.8
57.5°	194.8	194.8	192.3	182.3	174.8	172.3	162.3	152.3	144.8	147.3
60°	189.8	189.8	184.8	182.3	169.8	164.8	149.8	142.3	132.4	132.4
62.5°	182.3	179.8	169.8	154.8	154.8	142.3	132.4	117.4	109.9	107.4
65°	154.8	152.3	144.8	132.4	124.9	117.4	102.4	87.4	82.4	74.9
67.5°	127.4	127.4	122.4	109.9	104.9	94.9	77.4	67.4	54.9	49.9
70°	104.9	104.9	99.9	92.4	87.4	74.9	59.9	49.9	37.5	32.5
72.5°	84.9	84.9	79.9	74.9	69.9	62.4	49.9	37.5	25.0	20.0
75°	67.4	67.4	64.9	59.9	54.9	49.9	40.0	30.0	17.5	10.0
77.5°	54.9	54.9	52.4	49.9	45.0	40.0	32.5	25.0	12.5	5.0
80°	42.5	42.5	42.5	42.5	37.5	32.5	27.5	20.0	10.0	2.5
82.5°	30.0	30.0	32.5	37.5	30.0	25.0	25.0	20.0	7.5	2.5
85°	20.0	22.5	25.0	22.5	20.0	20.0	35.0	32.5	7.5	2.5
87.5°	10.0	10.0	10.0	10.0	10.0	7.5	10.0	7.5	5.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
41406.0
41093.8
40696.8
39917.6
38753.8
37000.7
35077.7
32927.5
30332.8
28105.1
25920.0
20865.3
17738.7
15723.3
13767.9
11517.8
9200.2
6208.4
3279.0
1753.1
1103.8
744.2
507.0
384.6
294.7
234.8
204.8
177.3
157.3
147.3
124.9
102.4
72.4
47.4
30.0
17.5
7.5
5.0
2.5
2.5
2.5
0.0
0.0

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