

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: P636175

Luminaire Tested: **IFLD-M-SA4D-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636175
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19160.2 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

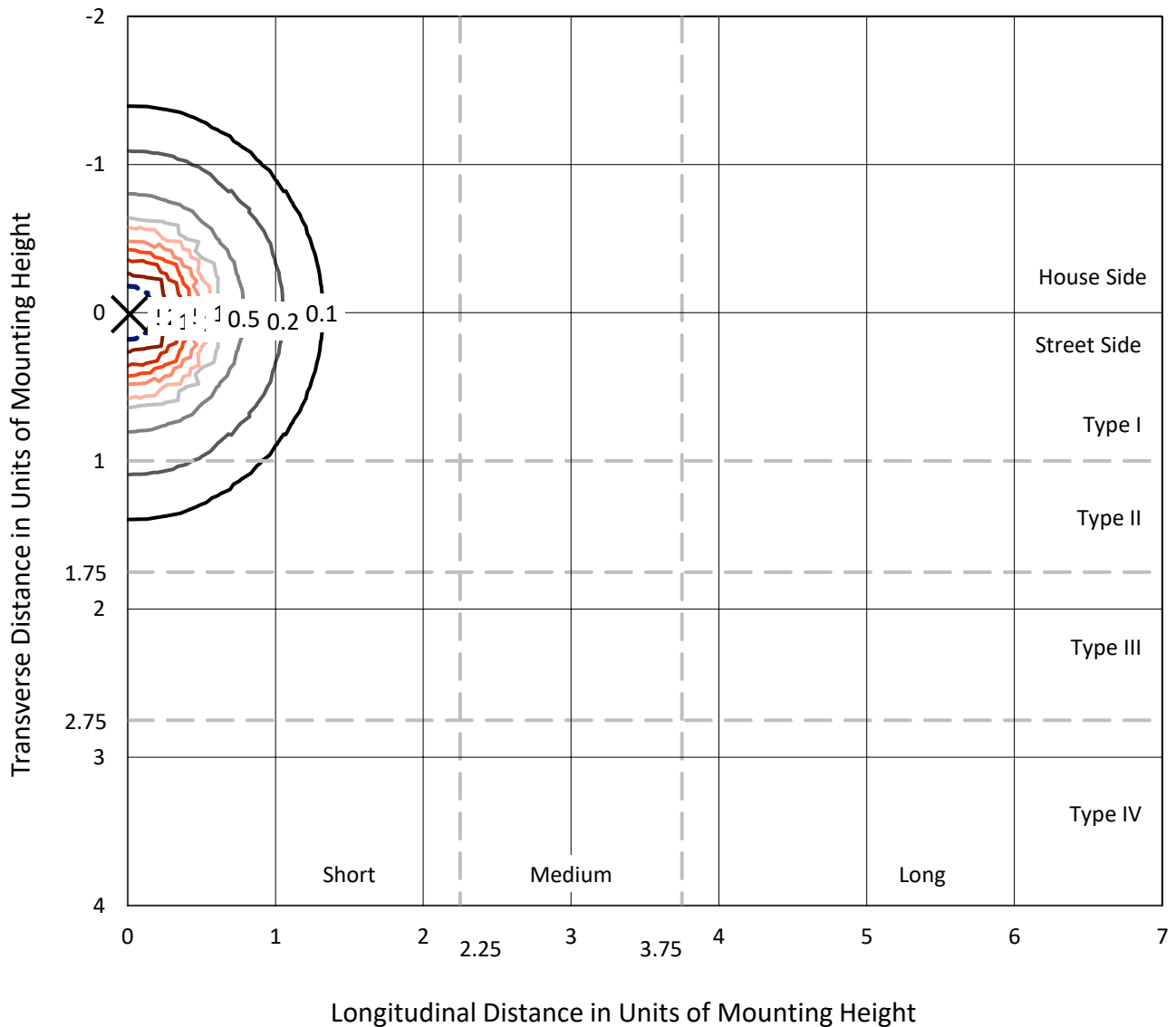
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

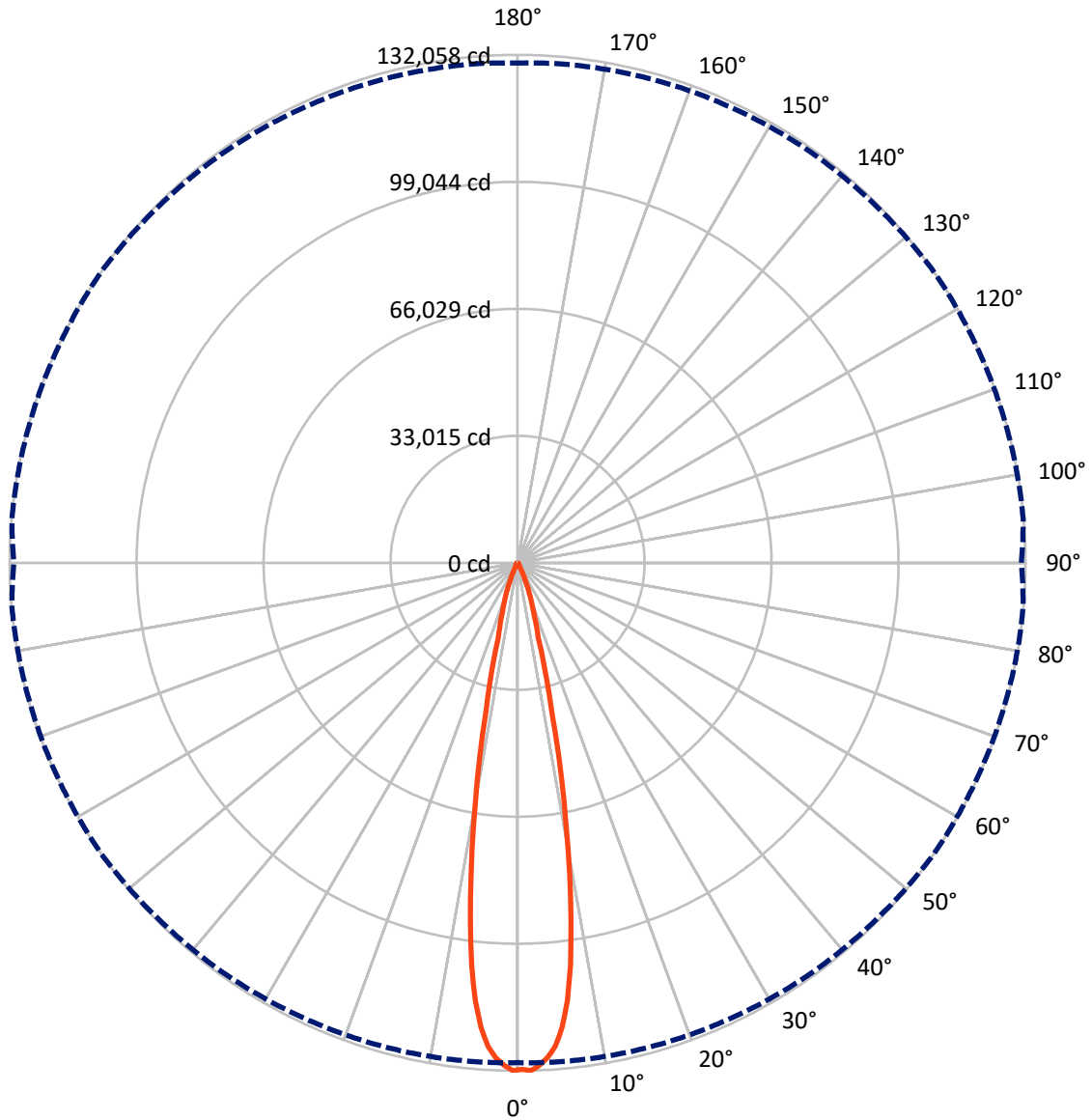
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 329.3 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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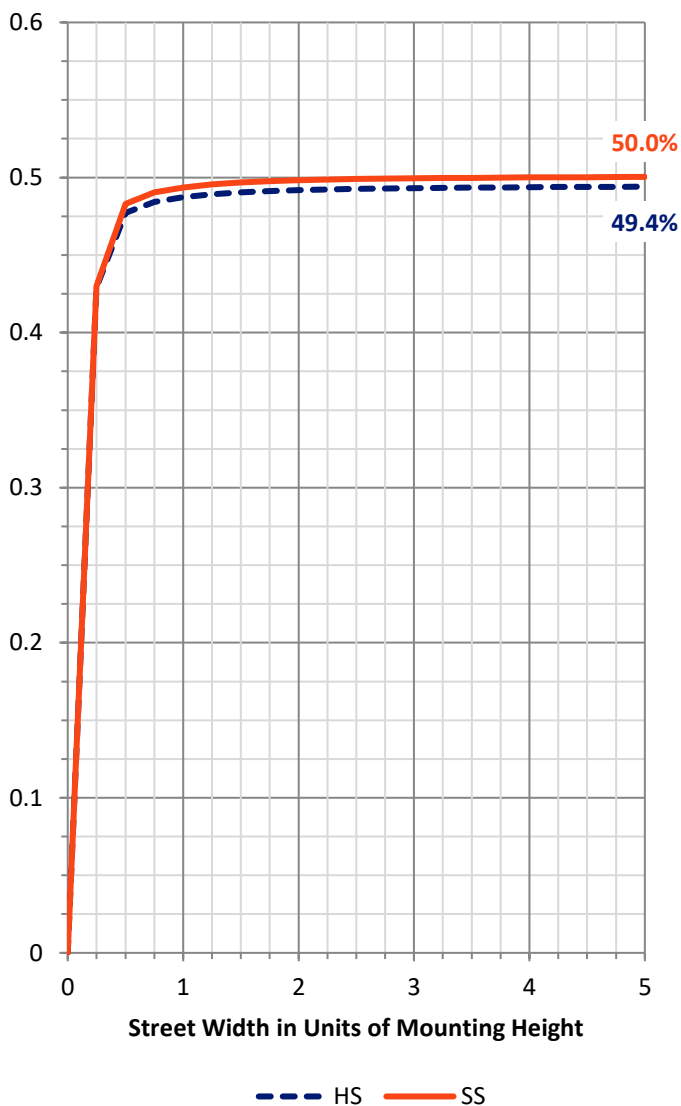
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9580.1	0.0	9580.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9580.1	0.0	9580.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19160.2	0.0	19160.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9734.8	50.8
10°-20°	6899.2	36.0
20°-30°	1616.6	8.4
30°-40°	337.9	1.8
40°-50°	218.0	1.1
50°-60°	161.4	0.8
60°-70°	109.7	0.6
70°-80°	58.6	0.3
80°-90°	24.0	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°	19160.2	100.0
0°-180°	19160.2	100.0

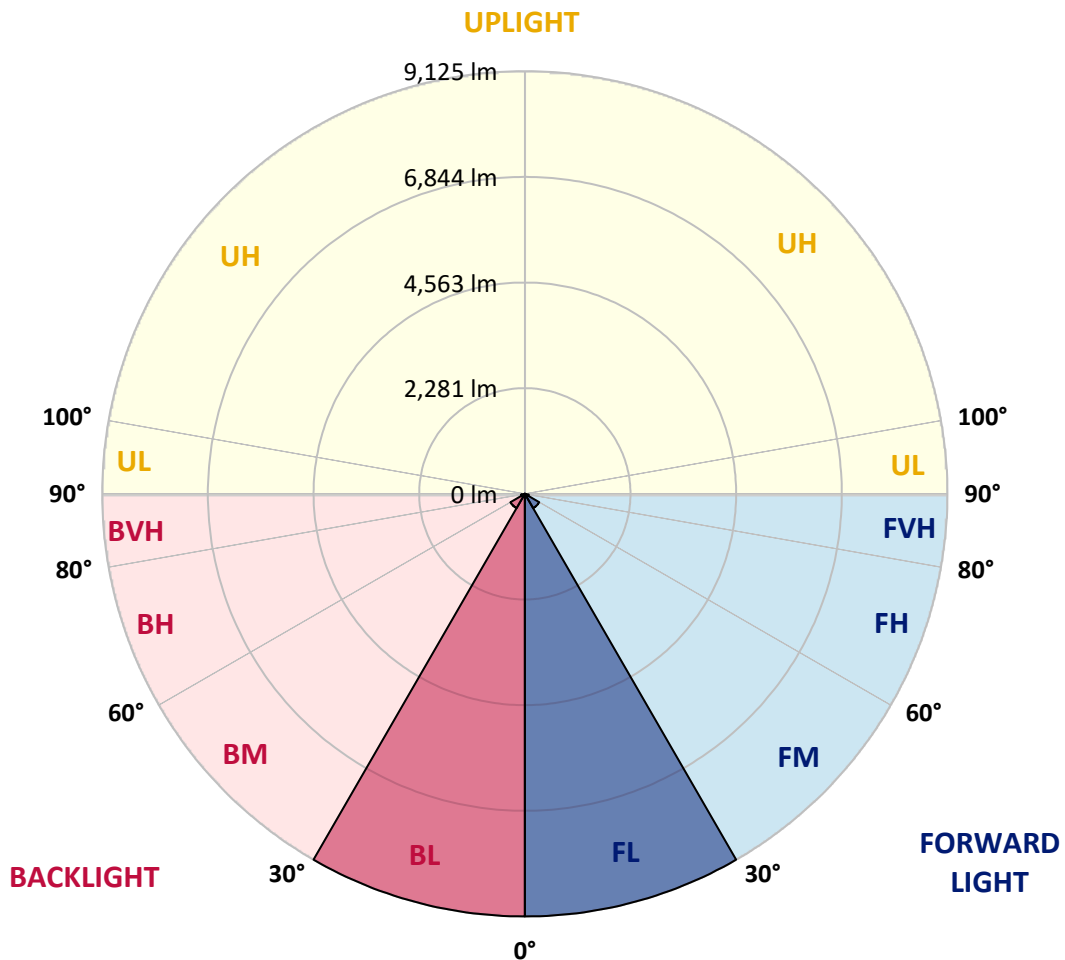


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9125.3	47.6			
FM (30°-60°)	358.7	1.9			
FH (60°-80°)	84.2	0.4			G0/660
FVH (80°-90°)	12.0	0.1			G1/100
BL (0°-30°)	9125.3	47.6	B5		
BM (30°-60°)	358.7	1.9	B1/1000		
BH (60°-80°)	84.2	0.4	B0/110		G0/660
BVH (80°-90°)	12.0	0.1			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°	131719.4	131719.4	131719.4	131719.4	131719.4	131719.4	131719.4	131719.4	131719.4	131719.4
1°	129947.2	130187.8	130482.6	130750.3	131153.5	131482.2	132058.3	131936.3	131919.3	131943.0
2°	127429.6	127731.2	128185.2	128452.9	129493.2	129920.1	130791.0	131048.5	130841.8	131075.6
3°	123658.3	123905.6	124617.2	125142.4	126491.0	127643.1	128808.7	129195.0	128954.4	129062.9
4°	119168.6	119422.7	120283.4	121354.1	123302.5	124579.9	125976.0	126321.6	125535.5	125589.7
5°	113825.0	113943.6	114997.4	115973.3	118304.5	119853.0	121177.9	121286.4	120568.0	120293.5
6°	107813.9	107600.4	108569.5	108982.9	111880.0	113459.0	114428.1	114302.7	113757.2	113523.4
7°	100671.0	100379.6	101162.3	100938.7	103503.7	104405.1	105336.9	104910.0	104476.2	105015.0
8°	92406.6	92243.9	91739.0	92653.9	93162.2	93968.6	93965.2	93717.9	93704.3	94602.3
9°	80391.1	81892.2	81448.3	82407.2	82278.5	82241.2	81993.8	81834.6	81156.9	82190.4
10°	67196.4	68179.1	68927.9	70357.9	70080.0	70473.1	69097.4	69331.2	68880.5	69734.4
12.5°	34782.5	35887.1	36534.3	37625.4	38824.9	40051.5	39655.1	39245.1	38631.8	39384.0
15°	17121.9	17559.0	17765.7	18873.7	19727.6	20035.9	20083.4	19720.8	19564.9	19727.6
17.5°	10507.6	10660.1	11259.8	12533.9	13272.6	13455.6	13337.0	12940.5	12496.6	12310.3
20°	7607.1	7651.1	7878.2	8125.5	9111.6	9626.6	9436.8	9047.2	8637.2	8444.0
22.5°	4967.5	5011.5	5086.1	5221.6	5485.9	6122.9	5916.2	5651.9	5374.1	5316.5
25°	2812.4	2812.4	2890.4	3029.3	3225.8	3273.2	3313.9	3032.7	2903.9	2846.3
27.5°	1568.9	1579.0	1596.0	1650.2	1748.4	1738.3	1694.2	1619.7	1531.6	1440.1
30°	867.4	877.6	887.8	901.3	918.3	887.8	860.7	847.1	809.8	799.7
32.5°	650.6	650.6	657.4	654.0	637.0	599.8	582.8	603.1	599.8	582.8
35°	535.4	535.4	542.2	555.7	521.8	494.7	481.2	508.3	508.3	498.1
37.5°	437.1	440.5	443.9	460.8	450.7	420.2	416.8	423.6	426.9	423.6
40°	382.9	379.5	379.5	382.9	376.1	369.3	362.6	359.2	362.6	359.2
42.5°	332.1	328.7	335.5	328.7	315.1	318.5	318.5	308.3	311.7	305.0
45°	291.4	288.0	291.4	284.6	274.5	277.9	277.9	264.3	264.3	260.9
47.5°	257.5	257.5	257.5	260.9	244.0	240.6	244.0	240.6	230.4	227.0
50°	223.6	227.0	230.4	237.2	220.2	213.5	213.5	213.5	206.7	203.3
52.5°	206.7	210.1	210.1	210.1	199.9	193.1	193.1	189.8	186.4	183.0
55°	199.9	199.9	199.9	186.4	183.0	179.6	169.4	166.0	162.6	162.6
57.5°	189.8	189.8	186.4	176.2	166.0	166.0	152.5	149.1	145.7	145.7
60°	169.4	169.4	169.4	166.0	152.5	149.1	135.5	128.8	125.4	125.4
62.5°	155.9	155.9	155.9	142.3	138.9	128.8	118.6	108.4	105.0	98.3
65°	142.3	142.3	142.3	128.8	122.0	111.8	98.3	88.1	81.3	71.2
67.5°	132.1	132.1	128.8	118.6	108.4	94.9	81.3	71.2	57.6	50.8
70°	115.2	115.2	111.8	105.0	94.9	84.7	67.8	54.2	44.0	33.9
72.5°	98.3	98.3	94.9	88.1	81.3	71.2	57.6	47.4	30.5	23.7
75°	81.3	81.3	77.9	71.2	67.8	61.0	50.8	37.3	23.7	10.2
77.5°	67.8	67.8	64.4	61.0	57.6	50.8	44.0	30.5	16.9	6.8
80°	50.8	54.2	54.2	54.2	47.4	44.0	40.7	30.5	13.6	3.4
82.5°	37.3	40.7	40.7	40.7	37.3	33.9	37.3	27.1	13.6	3.4
85°	27.1	27.1	30.5	30.5	30.5	30.5	40.7	30.5	10.2	3.4
87.5°	13.6	13.6	13.6	13.6	13.6	16.9	20.3	16.9	6.8	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°
131719.4
130997.7
130187.8
128249.6
124783.2
119720.9
112998.2
104849.0
92111.8
80262.3
67545.5
37347.6
18968.6
12049.3
8294.9
5197.9
2798.9
1443.5
799.7
572.6
494.7
423.6
362.6
308.3
260.9
227.0
199.9
179.6
159.3
145.7
122.0
91.5
71.2
47.4
33.9
20.3
10.2
3.4
3.4
3.4
3.4
0.0
0.0

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