

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: P636229

Luminaire Tested: **IFLD-S-SA6E-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636229
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36589.7 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

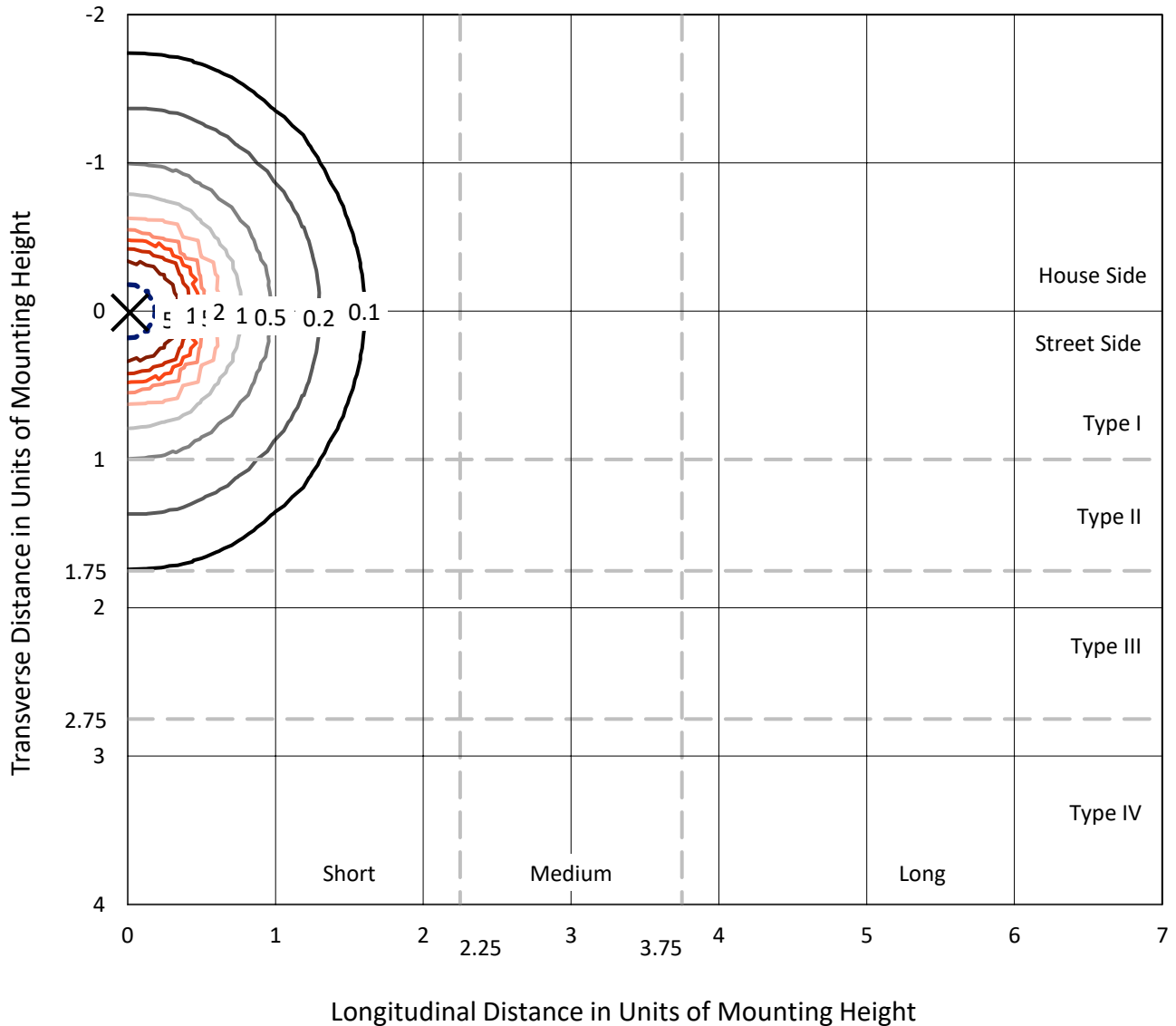
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

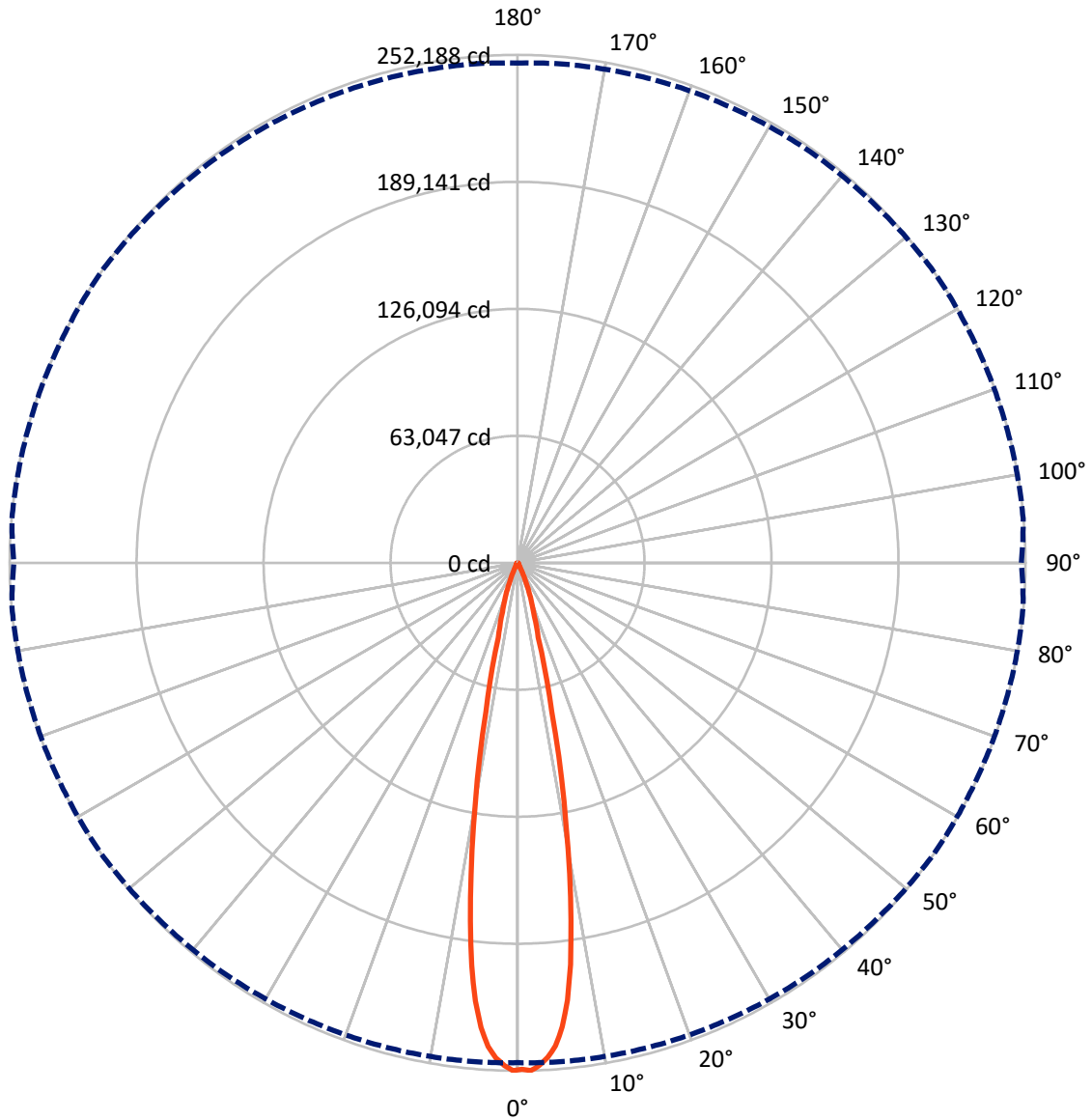
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 628.9 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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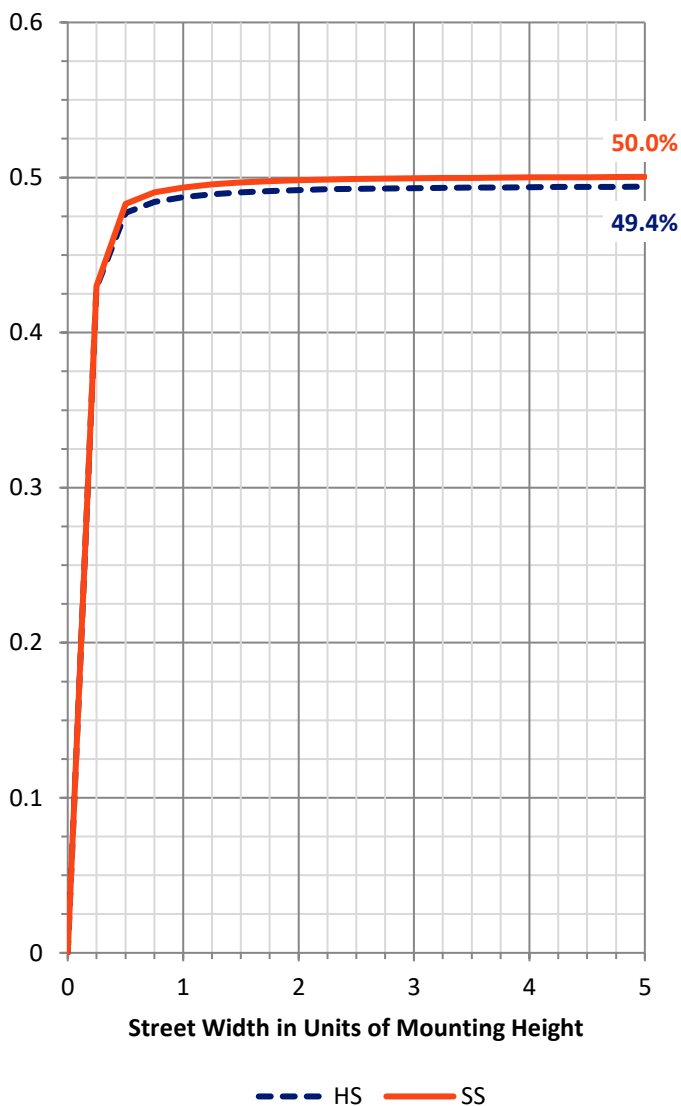
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18294.9	0.0	18294.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18294.9	0.0	18294.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	36589.7	0.0	36589.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18590.3	50.8
10°-20°	13175.2	36.0
20°-30°	3087.2	8.4
30°-40°	645.2	1.8
40°-50°	416.3	1.1
50°-60°	308.3	0.8
60°-70°	209.6	0.6
70°-80°	111.9	0.3
80°-90°	45.8	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°	36589.7	100.0
0°-180°	36589.7	100.0

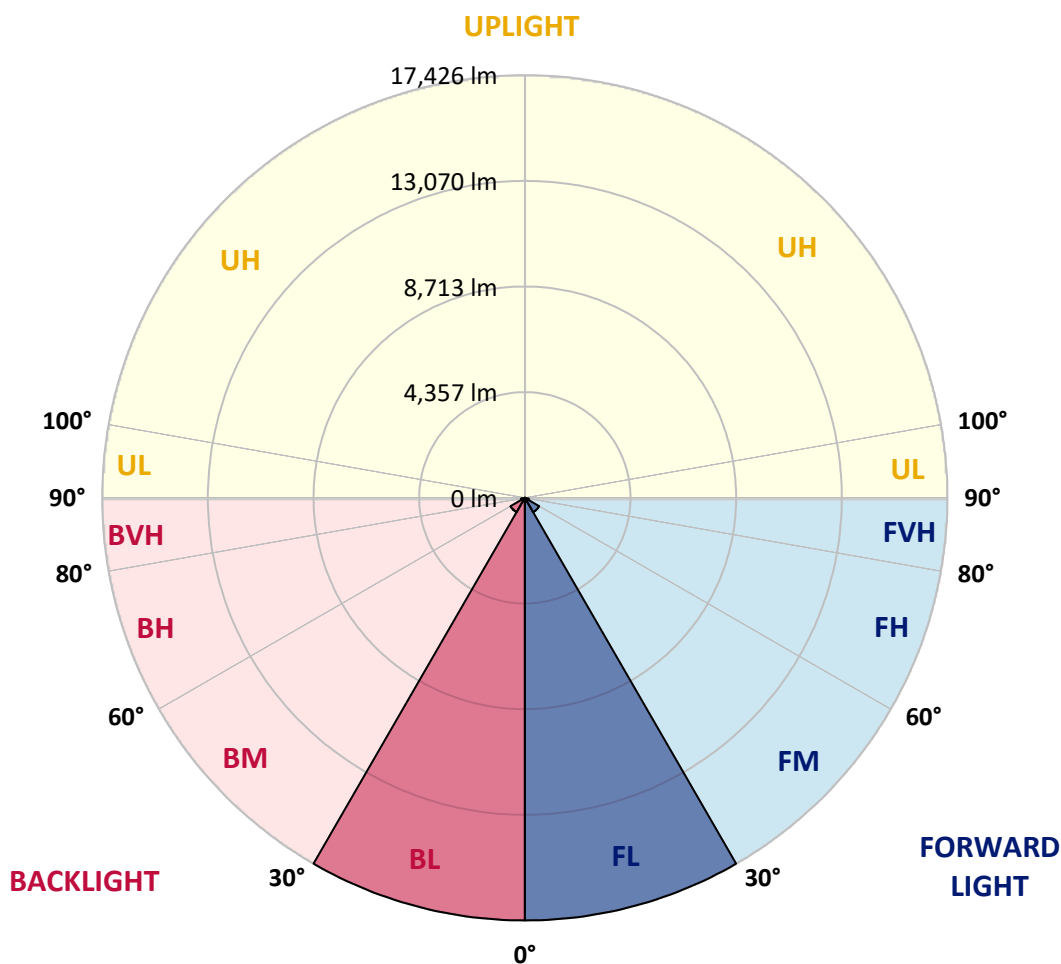


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17426.3	47.6			
FM (30°-60°)	684.9	1.9			
FH (60°-80°)	160.7	0.4			G0/660
FVH (80°-90°)	22.9	0.1			G1/100
BL (0°-30°)	17426.3	47.6	B5		
BM (30°-60°)	684.9	1.9	B1/1000		
BH (60°-80°)	160.7	0.4	B1/500		G0/660
BVH (80°-90°)	22.9	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°	251540.9	251540.9	251540.9	251540.9	251540.9	251540.9	251540.9	251540.9	251540.9	251540.9
1°	248156.7	248616.1	249179.1	249690.3	250460.3	251088.0	252188.0	251955.1	251922.7	251968.0
2°	243348.8	243924.7	244791.8	245303.0	247289.6	248104.9	249767.9	250259.7	249865.0	250311.5
3°	236146.8	236619.2	237978.0	238981.0	241556.4	243756.5	245982.5	246720.1	246260.7	246467.8
4°	227572.9	228058.2	229701.8	231746.6	235467.4	237906.9	240572.8	241232.9	239731.6	239835.2
5°	217368.4	217594.9	219607.3	221470.9	225922.9	228880.0	231410.1	231617.2	230245.4	229721.2
6°	205889.2	205481.5	207332.1	208121.6	213654.2	216669.6	218520.2	218280.8	217239.0	216792.5
7°	192248.6	191692.1	193186.9	192759.8	197658.2	199379.5	201159.0	200343.6	199515.4	200544.2
8°	176466.2	176155.6	175191.5	176938.6	177909.2	179449.3	179442.8	178970.5	178944.6	180659.3
9°	153520.7	156387.2	155539.6	157370.8	157124.9	157053.7	156581.4	156277.2	154983.1	156956.7
10°	128323.2	130199.7	131629.8	134360.5	133829.9	134580.5	131953.3	132399.8	131539.2	133169.9
12.5°	66423.2	68532.7	69768.6	71852.2	74142.9	76485.3	75728.2	74945.3	73774.0	75210.6
15°	32697.1	33531.9	33926.6	36042.6	37673.2	38262.1	38352.7	37660.3	37362.6	37673.2
17.5°	20066.1	20357.3	21502.6	23935.6	25346.3	25695.7	25469.2	24712.1	23864.5	23508.6
20°	14527.0	14611.2	15044.7	15517.1	17400.1	18383.7	18021.3	17277.1	16494.2	16125.3
22.5°	9486.2	9570.4	9712.7	9971.6	10476.3	11692.8	11298.1	10793.4	10262.8	10152.7
25°	5370.8	5370.8	5519.6	5784.9	6160.2	6250.8	6328.5	5791.4	5545.5	5435.5
27.5°	2996.0	3015.4	3047.8	3151.3	3339.0	3319.5	3235.4	3093.1	2924.8	2750.1
30°	1656.5	1675.9	1695.4	1721.2	1753.6	1695.4	1643.6	1617.7	1546.5	1527.1
32.5°	1242.4	1242.4	1255.3	1248.9	1216.5	1145.3	1113.0	1151.8	1145.3	1113.0
35°	1022.4	1022.4	1035.3	1061.2	996.5	944.7	918.9	970.6	970.6	951.2
37.5°	834.7	841.2	847.7	880.0	860.6	802.4	795.9	808.9	815.3	808.9
40°	731.2	724.7	724.7	731.2	718.3	705.3	692.4	685.9	692.4	685.9
42.5°	634.1	627.7	640.6	627.7	601.8	608.3	608.3	588.8	595.3	582.4
45°	556.5	550.0	556.5	543.6	524.1	530.6	530.6	504.7	504.7	498.3
47.5°	491.8	491.8	491.8	498.3	465.9	459.4	465.9	459.4	440.0	433.5
50°	427.1	433.5	440.0	453.0	420.6	407.7	407.7	407.7	394.7	388.3
52.5°	394.7	401.2	401.2	401.2	381.8	368.8	368.8	362.4	355.9	349.4
55°	381.8	381.8	381.8	355.9	349.4	343.0	323.5	317.1	310.6	310.6
57.5°	362.4	362.4	355.9	336.5	317.1	317.1	291.2	284.7	278.2	278.2
60°	323.5	323.5	323.5	317.1	291.2	284.7	258.8	245.9	239.4	239.4
62.5°	297.7	297.7	297.7	271.8	265.3	245.9	226.5	207.1	200.6	187.7
65°	271.8	271.8	271.8	245.9	233.0	213.5	187.7	168.2	155.3	135.9
67.5°	252.4	252.4	245.9	226.5	207.1	181.2	155.3	135.9	110.0	97.1
70°	220.0	220.0	213.5	200.6	181.2	161.8	129.4	103.5	84.1	64.7
72.5°	187.7	187.7	181.2	168.2	155.3	135.9	110.0	90.6	58.2	45.3
75°	155.3	155.3	148.8	135.9	129.4	116.5	97.1	71.2	45.3	19.4
77.5°	129.4	129.4	122.9	116.5	110.0	97.1	84.1	58.2	32.4	12.9
80°	97.1	103.5	103.5	103.5	90.6	84.1	77.7	58.2	25.9	6.5
82.5°	71.2	77.7	77.7	77.7	71.2	64.7	71.2	51.8	25.9	6.5
85°	51.8	51.8	58.2	58.2	58.2	58.2	77.7	58.2	19.4	6.5
87.5°	25.9	25.9	25.9	25.9	25.9	32.4	38.8	32.4	12.9	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°
251540.9
250162.6
248616.1
244914.8
238295.1
228627.7
215789.5
200227.2
175903.3
153274.8
128989.7
71321.6
36223.8
23010.3
15840.6
9926.3
5344.9
2756.6
1527.1
1093.6
944.7
808.9
692.4
588.8
498.3
433.5
381.8
343.0
304.1
278.2
233.0
174.7
135.9
90.6
64.7
38.8
19.4
6.5
6.5
6.5
6.5
0.0
0.0

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