

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: P636219

Luminaire Tested: **IFLD-S-SA2E-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636219
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12515.8 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

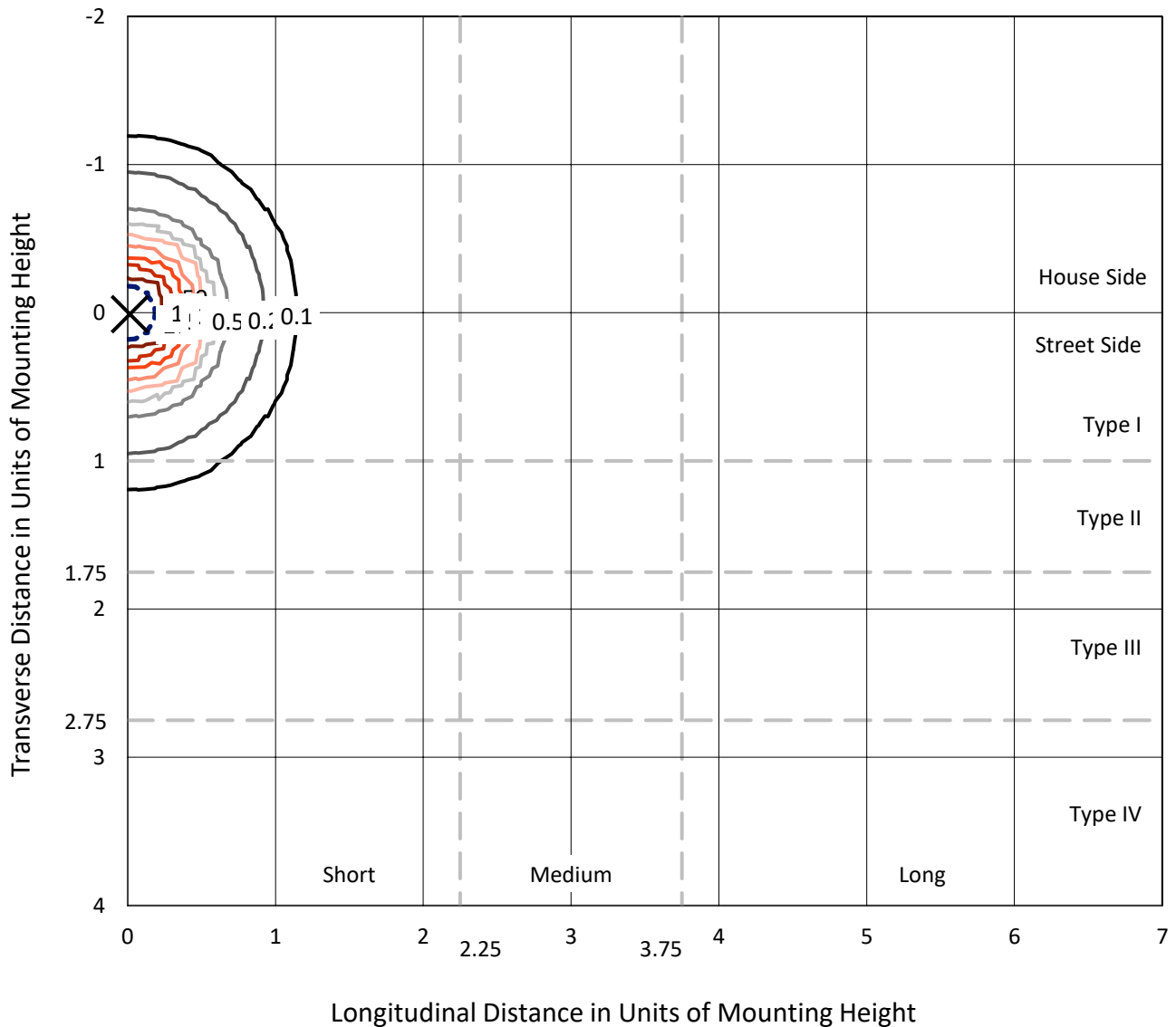
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

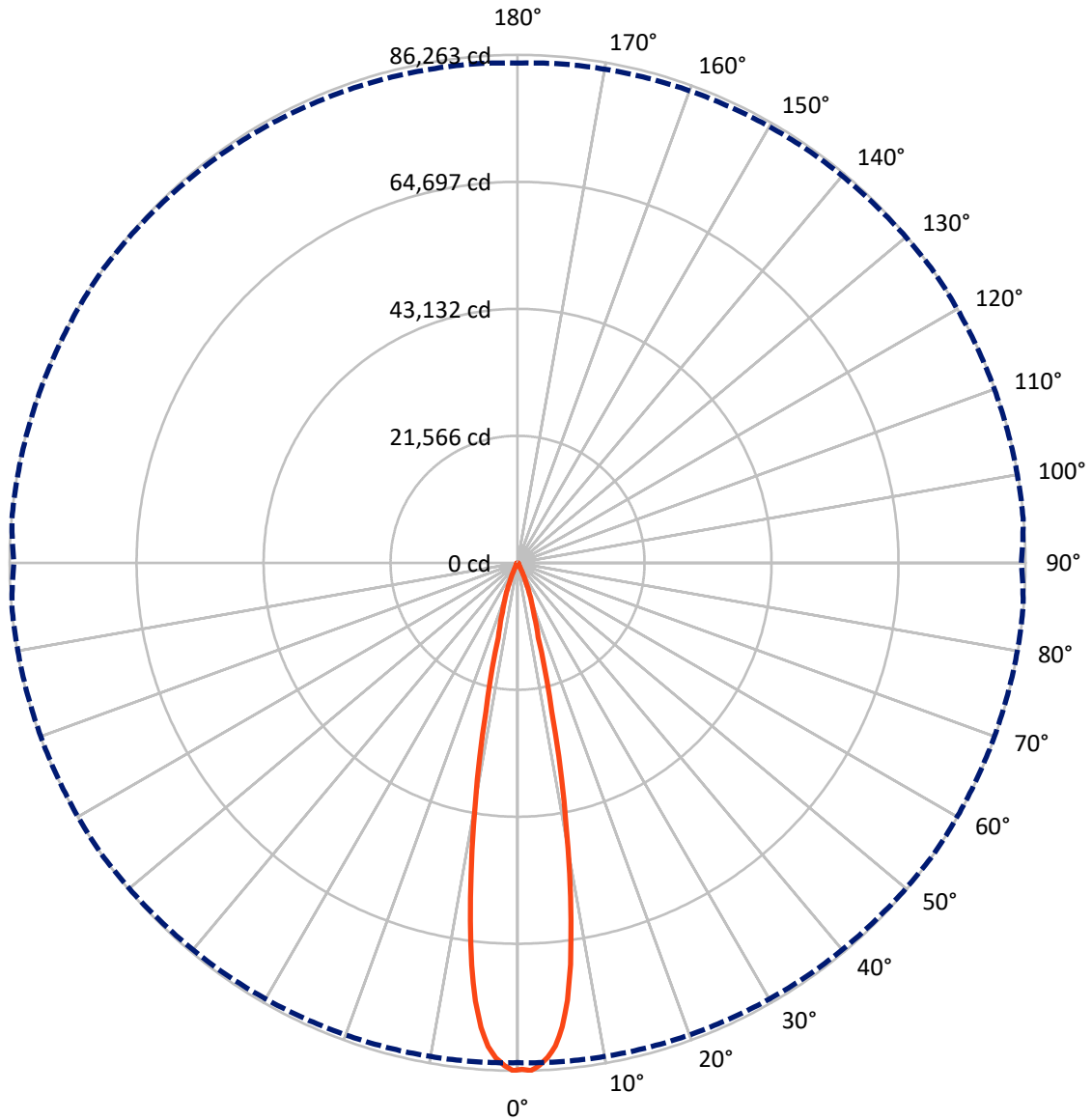
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 215.1 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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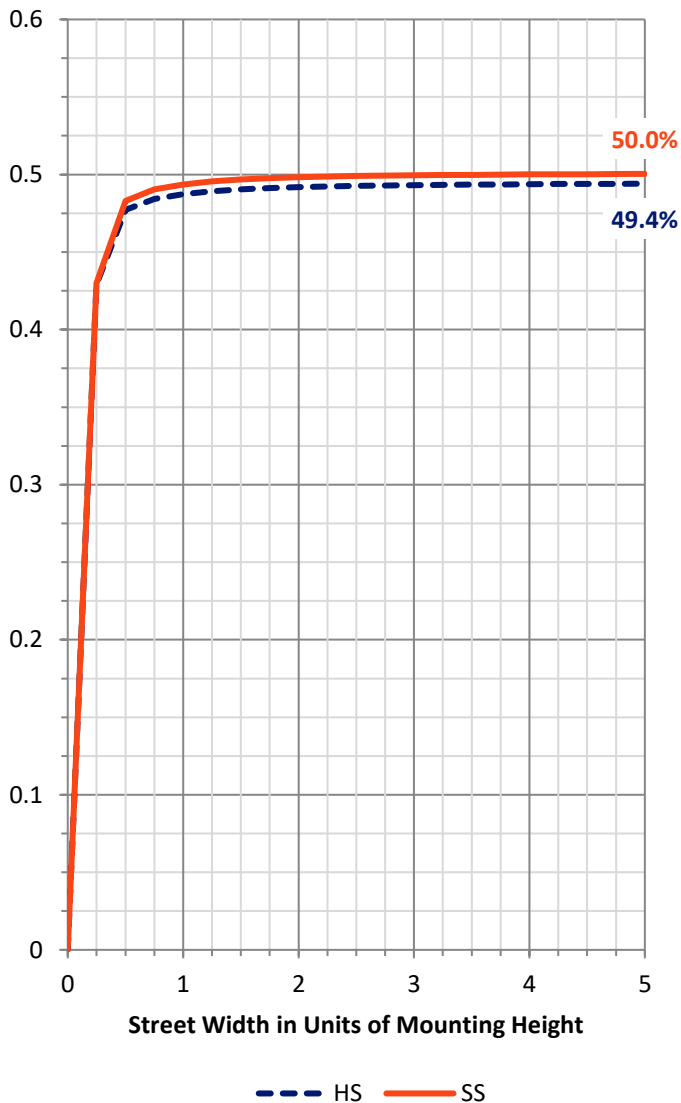
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6257.9	0.0	6257.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6257.9	0.0	6257.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12515.8	0.0	12515.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6359.0	50.8
10°-20°	4506.7	36.0
20°-30°	1056.0	8.4
30°-40°	220.7	1.8
40°-50°	142.4	1.1
50°-60°	105.5	0.8
60°-70°	71.7	0.6
70°-80°	38.3	0.3
80°-90°	15.7	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°	12515.8	100.0
0°-180°	12515.8	100.0

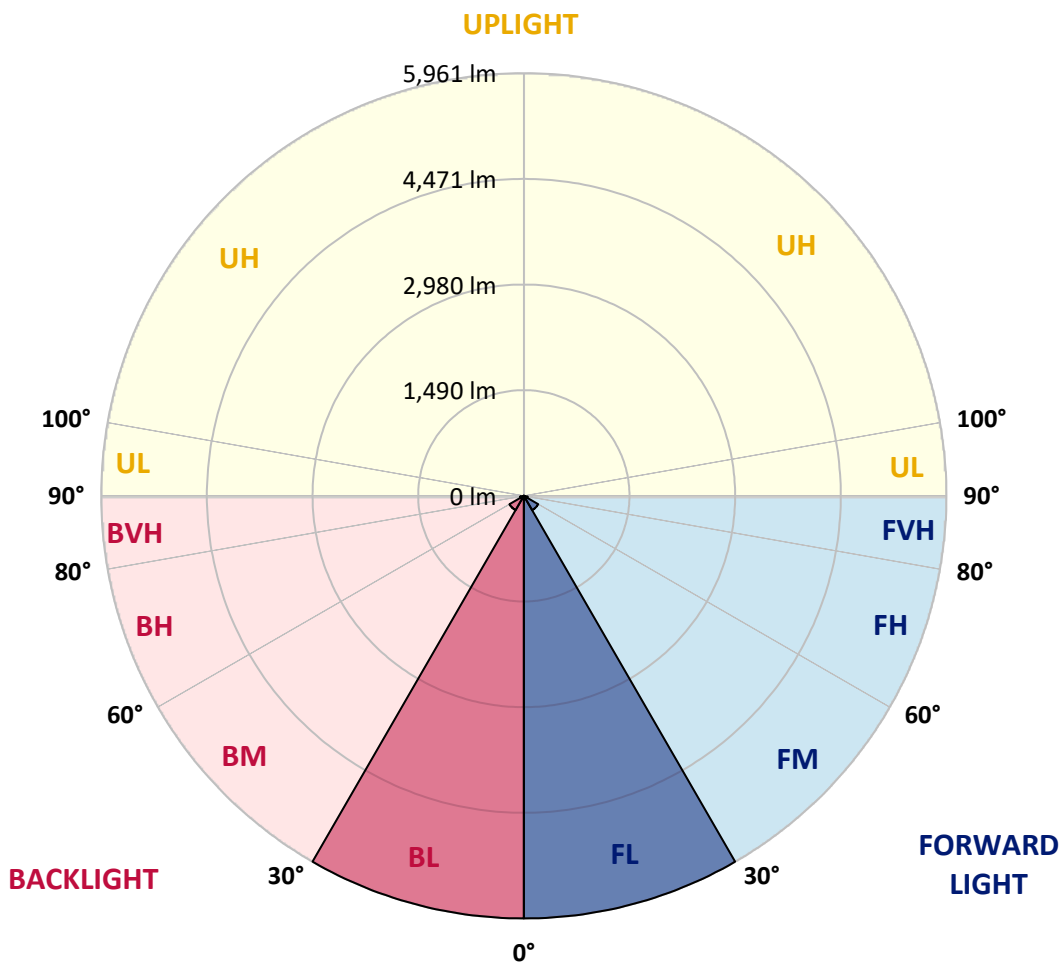


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5960.8	47.6			
FM (30°-60°)	234.3	1.9			
FH (60°-80°)	55.0	0.4			G0/660
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	5960.8	47.6	B5		
BM (30°-60°)	234.3	1.9	B1/1000		
BH (60°-80°)	55.0	0.4	B0/110		G0/660
BVH (80°-90°)	7.8	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°	86041.9	86041.9	86041.9	86041.9	86041.9	86041.9	86041.9	86041.9	86041.9	86041.9
1°	84884.3	85041.4	85234.0	85408.8	85672.2	85886.9	86263.2	86183.5	86172.5	86188.0
2°	83239.7	83436.7	83733.3	83908.1	84587.7	84866.6	85435.4	85603.6	85468.6	85621.3
3°	80776.2	80937.7	81402.6	81745.6	82626.6	83379.1	84140.6	84392.9	84235.7	84306.6
4°	77843.4	78009.4	78571.6	79271.1	80543.8	81378.2	82290.1	82515.9	82002.4	82037.8
5°	74352.9	74430.3	75118.7	75756.2	77279.0	78290.5	79156.0	79226.8	78757.5	78578.3
6°	70426.3	70286.8	70919.9	71189.9	73082.4	74113.8	74746.8	74664.9	74308.6	74155.9
7°	65760.4	65570.0	66081.3	65935.3	67610.8	68199.6	68808.3	68529.4	68246.1	68598.0
8°	60361.9	60255.6	59925.9	60523.5	60855.5	61382.3	61380.1	61218.5	61209.6	61796.2
9°	52513.1	53493.7	53203.7	53830.1	53746.0	53721.7	53560.1	53456.1	53013.4	53688.5
10°	43894.1	44536.0	45025.2	45959.2	45777.7	46034.5	45135.8	45288.6	44994.2	45552.0
12.5°	22720.6	23442.2	23865.0	24577.7	25361.2	26162.5	25903.5	25635.7	25235.1	25726.5
15°	11184.4	11469.9	11604.9	12328.7	12886.5	13087.9	13118.9	12882.0	12780.2	12886.5
17.5°	6863.8	6963.4	7355.2	8187.4	8669.9	8789.4	8712.0	8453.0	8163.1	8041.3
20°	4969.1	4997.9	5146.2	5307.8	5951.9	6288.3	6164.3	5909.8	5642.0	5515.8
22.5°	3244.9	3273.6	3322.3	3410.9	3583.5	3999.6	3864.6	3692.0	3510.5	3472.8
25°	1837.1	1837.1	1888.0	1978.8	2107.2	2138.2	2164.7	1981.0	1896.9	1859.3
27.5°	1024.8	1031.4	1042.5	1077.9	1142.1	1135.5	1106.7	1058.0	1000.5	940.7
30°	566.6	573.3	579.9	588.8	599.8	579.9	562.2	553.4	529.0	522.4
32.5°	425.0	425.0	429.4	427.2	416.1	391.8	380.7	394.0	391.8	380.7
35°	349.7	349.7	354.1	363.0	340.9	323.2	314.3	332.0	332.0	325.4
37.5°	285.5	287.7	290.0	301.0	294.4	274.5	272.2	276.7	278.9	276.7
40°	250.1	247.9	247.9	250.1	245.7	241.3	236.8	234.6	236.8	234.6
42.5°	216.9	214.7	219.1	214.7	205.8	208.1	208.1	201.4	203.6	199.2
45°	190.4	188.1	190.4	185.9	179.3	181.5	181.5	172.6	172.6	170.4
47.5°	168.2	168.2	168.2	170.4	159.4	157.2	159.4	157.2	150.5	148.3
50°	146.1	148.3	150.5	154.9	143.9	139.4	139.4	139.4	135.0	132.8
52.5°	135.0	137.2	137.2	137.2	130.6	126.2	126.2	124.0	121.7	119.5
55°	130.6	130.6	130.6	121.7	119.5	117.3	110.7	108.5	106.2	106.2
57.5°	124.0	124.0	121.7	115.1	108.5	108.5	99.6	97.4	95.2	95.2
60°	110.7	110.7	110.7	108.5	99.6	97.4	88.5	84.1	81.9	81.9
62.5°	101.8	101.8	101.8	93.0	90.7	84.1	77.5	70.8	68.6	64.2
65°	93.0	93.0	93.0	84.1	79.7	73.0	64.2	57.5	53.1	46.5
67.5°	86.3	86.3	84.1	77.5	70.8	62.0	53.1	46.5	37.6	33.2
70°	75.3	75.3	73.0	68.6	62.0	55.3	44.3	35.4	28.8	22.1
72.5°	64.2	64.2	62.0	57.5	53.1	46.5	37.6	31.0	19.9	15.5
75°	53.1	53.1	50.9	46.5	44.3	39.8	33.2	24.3	15.5	6.6
77.5°	44.3	44.3	42.1	39.8	37.6	33.2	28.8	19.9	11.1	4.4
80°	33.2	35.4	35.4	35.4	31.0	28.8	26.6	19.9	8.9	2.2
82.5°	24.3	26.6	26.6	26.6	24.3	22.1	24.3	17.7	8.9	2.2
85°	17.7	17.7	19.9	19.9	19.9	19.9	26.6	19.9	6.6	2.2
87.5°	8.9	8.9	8.9	8.9	8.9	11.1	13.3	11.1	4.4	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°
86041.9
85570.4
85041.4
83775.3
81511.0
78204.2
73812.8
68489.5
60169.3
52429.0
44122.1
24396.2
12390.7
7870.9
5418.4
3395.4
1828.3
942.9
522.4
374.1
323.2
276.7
236.8
201.4
170.4
148.3
130.6
117.3
104.0
95.2
79.7
59.8
46.5
31.0
22.1
13.3
6.6
2.2
2.2
2.2
2.2
0.0
0.0

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