

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: P636137

Luminaire Tested: **IFLD-S-SA3E-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636137
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16342 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

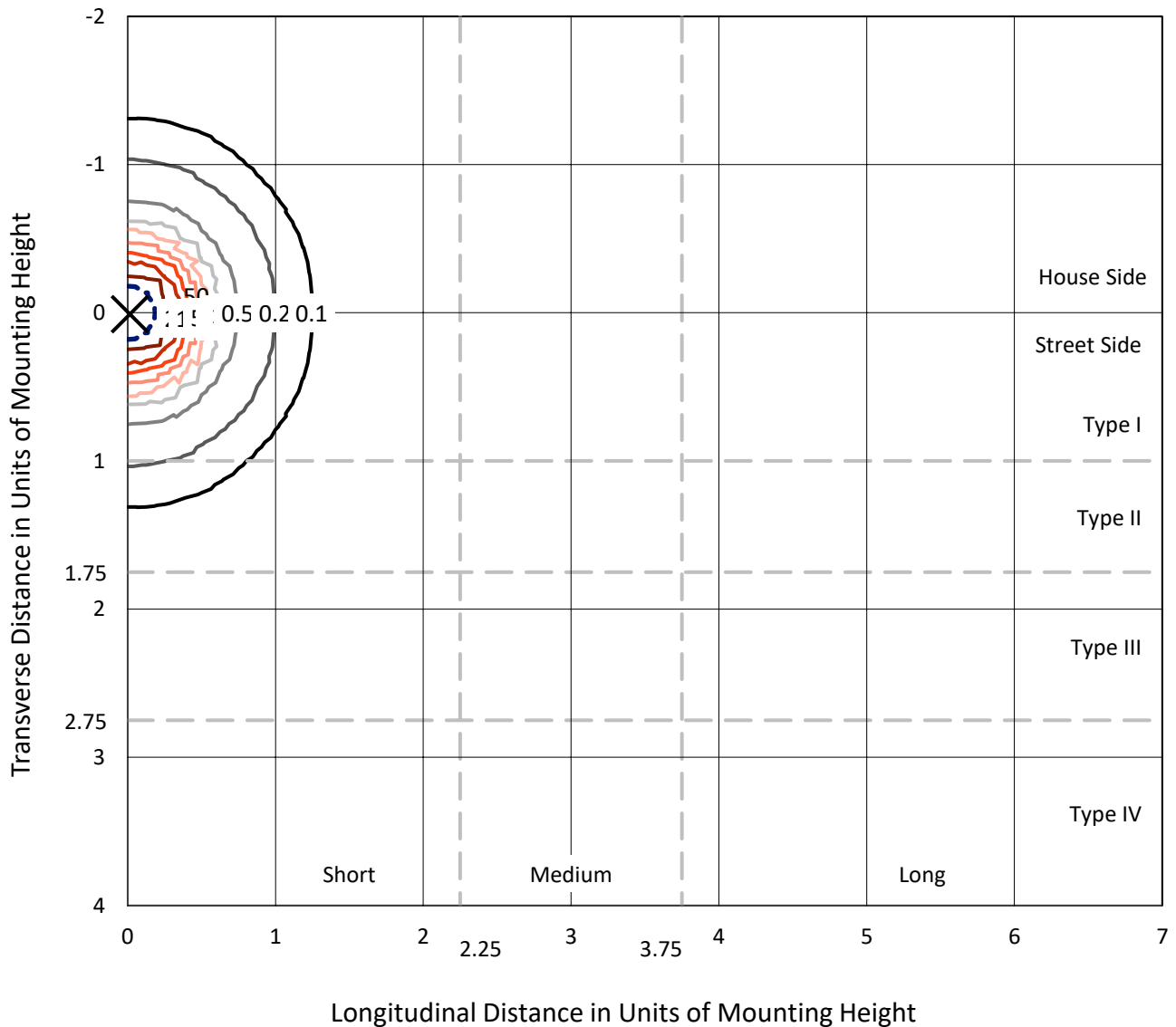
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

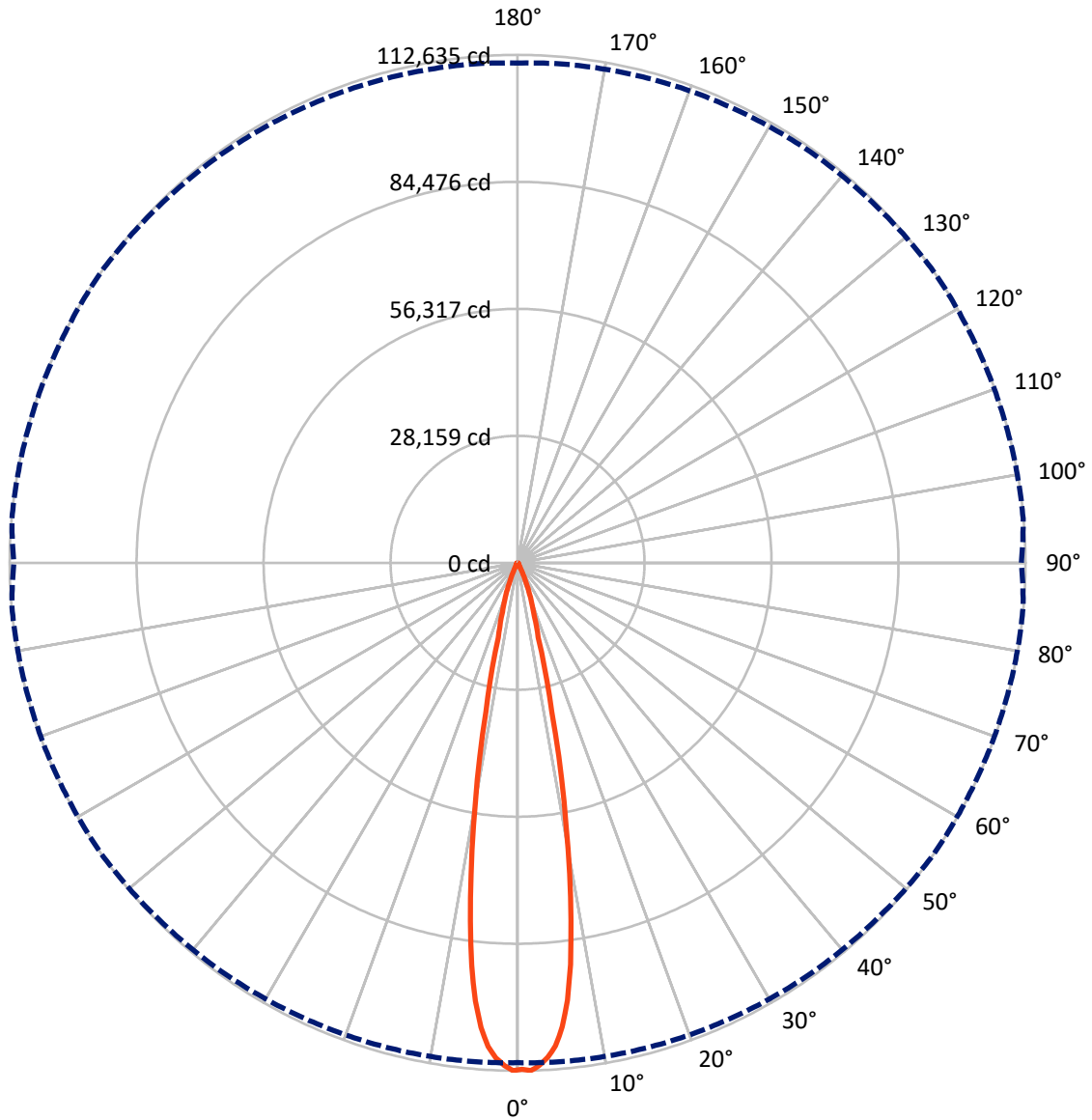
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 280.9 fc
 Type V - Short - N/A

REPORT NUMBER: P636137
CATALOG NUMBER: IFLD-S-SA3E-927-U-33-VI

Luminous Intensity Polar Plot



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

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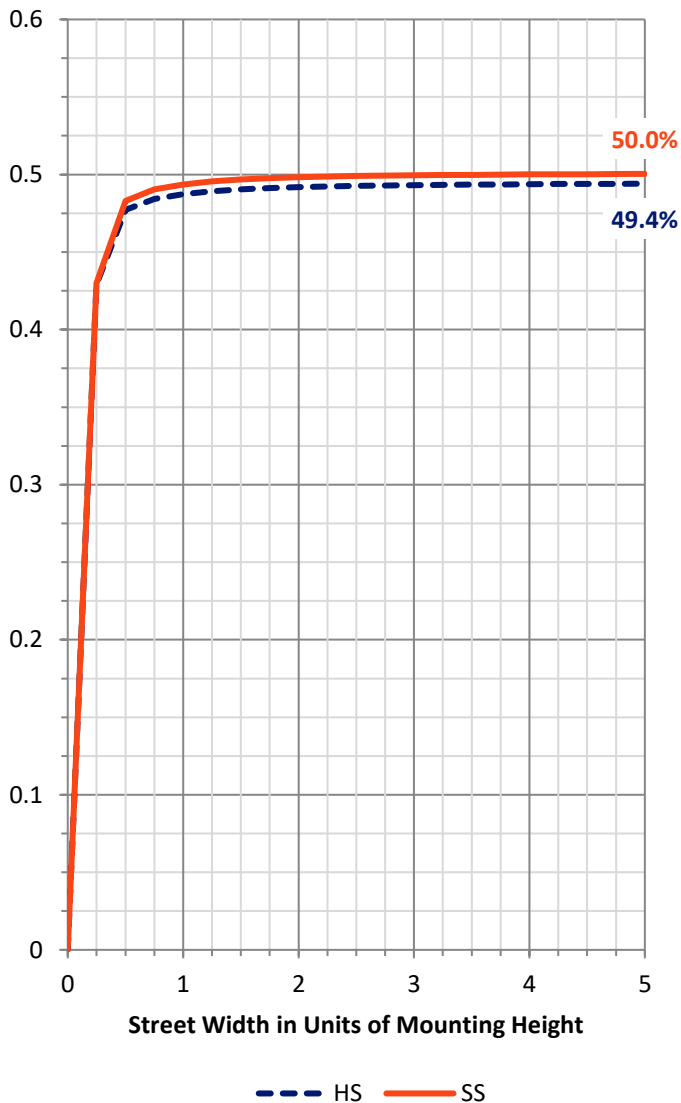
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8171.0	0.0	8171.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8171.0	0.0	8171.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16342.0	0.0	16342.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8303.0	50.8
10°-20°	5884.4	36.0
20°-30°	1378.8	8.4
30°-40°	288.2	1.8
40°-50°	185.9	1.1
50°-60°	137.7	0.8
60°-70°	93.6	0.6
70°-80°	50.0	0.3
80°-90°	20.5	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°	16342.0	100.0
0°-180°	16342.0	100.0

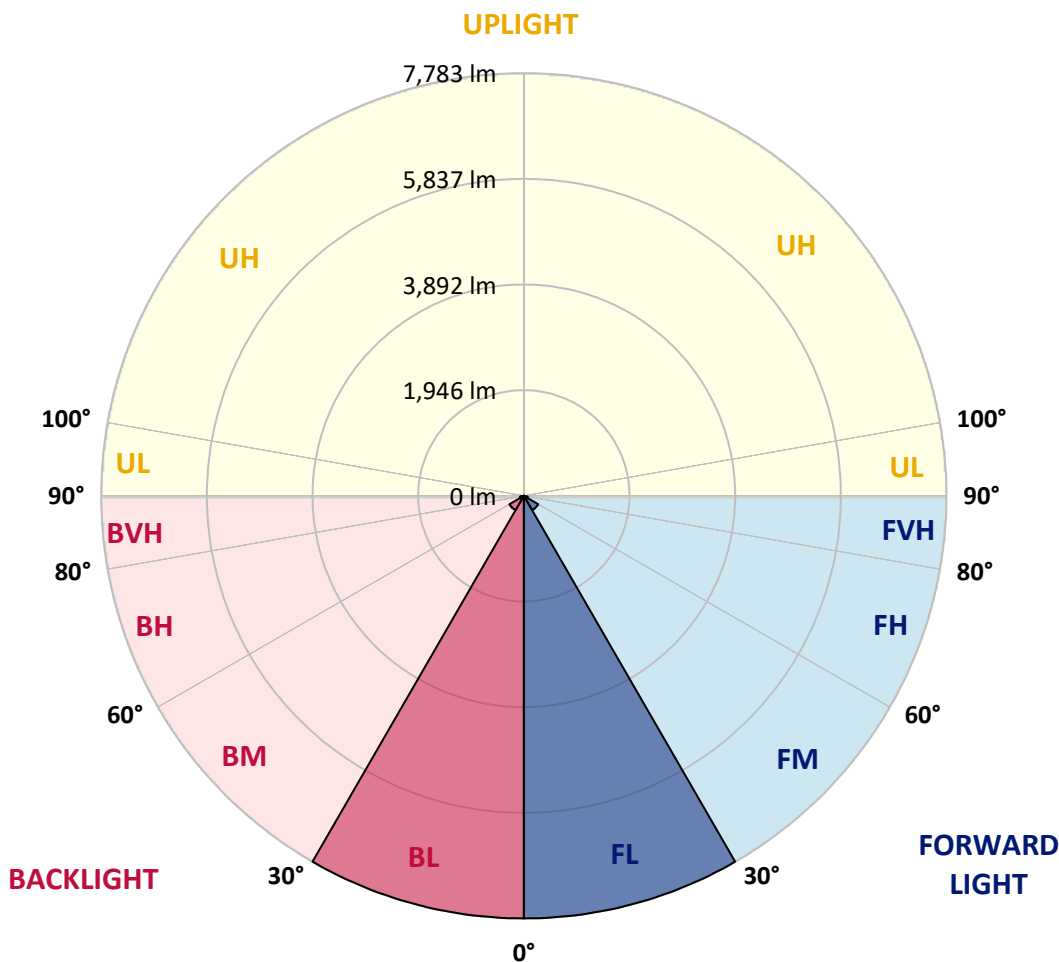


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7783.1	47.6			
FM (30°-60°)	305.9	1.9			
FH (60°-80°)	71.8	0.4			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	7783.1	47.6	B5		
BM (30°-60°)	305.9	1.9	B1/1000		
BH (60°-80°)	71.8	0.4	B0/110		G0/660
BVH (80°-90°)	10.2	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°	112345.5	112345.5	112345.5	112345.5	112345.5	112345.5	112345.5	112345.5	112345.5	112345.5
1°	110834.0	111039.2	111290.6	111518.9	111862.9	112143.2	112634.5	112530.5	112516.0	112536.2
2°	108686.7	108943.9	109331.2	109559.5	110446.7	110810.9	111553.6	111773.3	111597.0	111796.4
3°	105470.0	105681.0	106287.9	106735.9	107886.1	108868.7	109862.9	110192.4	109987.2	110079.7
4°	101640.7	101857.4	102591.5	103504.8	105166.6	106256.1	107446.8	107741.6	107071.1	107117.4
5°	97083.1	97184.2	98083.0	98915.4	100903.7	102224.5	103354.5	103447.0	102834.3	102600.2
6°	91956.1	91774.0	92600.6	92953.2	95424.2	96770.9	97597.5	97490.6	97025.3	96825.8
7°	85863.8	85615.3	86282.9	86092.1	88279.9	89048.7	89843.4	89479.3	89109.4	89568.9
8°	78815.0	78676.2	78245.6	79025.9	79459.4	80147.3	80144.4	79933.4	79921.9	80687.7
9°	68566.8	69847.1	69468.5	70286.4	70176.6	70144.8	69933.8	69798.0	69219.9	70101.4
10°	57312.9	58151.0	58789.7	60009.3	59772.3	60107.6	58934.2	59133.6	58749.2	59477.5
12.5°	29666.5	30608.7	31160.7	32091.3	33114.4	34160.6	33822.4	33472.7	32949.6	33591.2
15°	14603.5	14976.3	15152.6	16097.7	16826.0	17089.0	17129.4	16820.2	16687.2	16826.0
17.5°	8962.1	9092.1	9603.7	10690.4	11320.4	11476.4	11375.3	11037.2	10658.6	10499.6
20°	6488.2	6525.8	6719.4	6930.4	7771.4	8210.7	8048.8	7716.5	7366.8	7202.0
22.5°	4236.8	4274.4	4338.0	4453.6	4679.0	5222.3	5046.1	4820.6	4583.6	4534.5
25°	2398.8	2398.8	2465.2	2583.7	2751.3	2791.8	2826.5	2586.6	2476.8	2427.7
27.5°	1338.1	1346.8	1361.2	1407.5	1491.3	1482.6	1445.0	1381.5	1306.3	1228.3
30°	739.9	748.5	757.2	768.8	783.2	757.2	734.1	722.5	690.7	682.1
32.5°	554.9	554.9	560.7	557.8	543.3	511.5	497.1	514.4	511.5	497.1
35°	456.6	456.6	462.4	474.0	445.1	421.9	410.4	433.5	433.5	424.8
37.5°	372.8	375.7	378.6	393.0	384.4	358.4	355.5	361.3	364.1	361.3
40°	326.6	323.7	323.7	326.6	320.8	315.0	309.2	306.3	309.2	306.3
42.5°	283.2	280.3	286.1	280.3	268.8	271.7	271.7	263.0	265.9	260.1
45°	248.5	245.7	248.5	242.8	234.1	237.0	237.0	225.4	225.4	222.5
47.5°	219.6	219.6	219.6	222.5	208.1	205.2	208.1	205.2	196.5	193.6
50°	190.7	193.6	196.5	202.3	187.9	182.1	182.1	182.1	176.3	173.4
52.5°	176.3	179.2	179.2	179.2	170.5	164.7	164.7	161.8	159.0	156.1
55°	170.5	170.5	170.5	159.0	156.1	153.2	144.5	141.6	138.7	138.7
57.5°	161.8	161.8	159.0	150.3	141.6	141.6	130.1	127.2	124.3	124.3
60°	144.5	144.5	144.5	141.6	130.1	127.2	115.6	109.8	106.9	106.9
62.5°	132.9	132.9	132.9	121.4	118.5	109.8	101.2	92.5	89.6	83.8
65°	121.4	121.4	121.4	109.8	104.0	95.4	83.8	75.1	69.4	60.7
67.5°	112.7	112.7	109.8	101.2	92.5	80.9	69.4	60.7	49.1	43.4
70°	98.3	98.3	95.4	89.6	80.9	72.3	57.8	46.2	37.6	28.9
72.5°	83.8	83.8	80.9	75.1	69.4	60.7	49.1	40.5	26.0	20.2
75°	69.4	69.4	66.5	60.7	57.8	52.0	43.4	31.8	20.2	8.7
77.5°	57.8	57.8	54.9	52.0	49.1	43.4	37.6	26.0	14.5	5.8
80°	43.4	46.2	46.2	46.2	40.5	37.6	34.7	26.0	11.6	2.9
82.5°	31.8	34.7	34.7	34.7	31.8	28.9	31.8	23.1	11.6	2.9
85°	23.1	23.1	26.0	26.0	26.0	26.0	34.7	26.0	8.7	2.9
87.5°	11.6	11.6	11.6	11.6	11.6	14.5	17.3	14.5	5.8	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°
112345.5
111729.9
111039.2
109386.1
106429.5
102111.8
96377.9
89427.3
78563.5
68457.0
57610.6
31854.3
16178.6
10277.1
7074.9
4433.4
2387.2
1231.2
682.1
488.4
421.9
361.3
309.2
263.0
222.5
193.6
170.5
153.2
135.8
124.3
104.0
78.0
60.7
40.5
28.9
17.3
8.7
2.9
2.9
2.9
2.9
0.0
0.0

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