

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: P636161

Luminaire Tested: **IFLD-S-SA2E-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636161
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11085.2 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

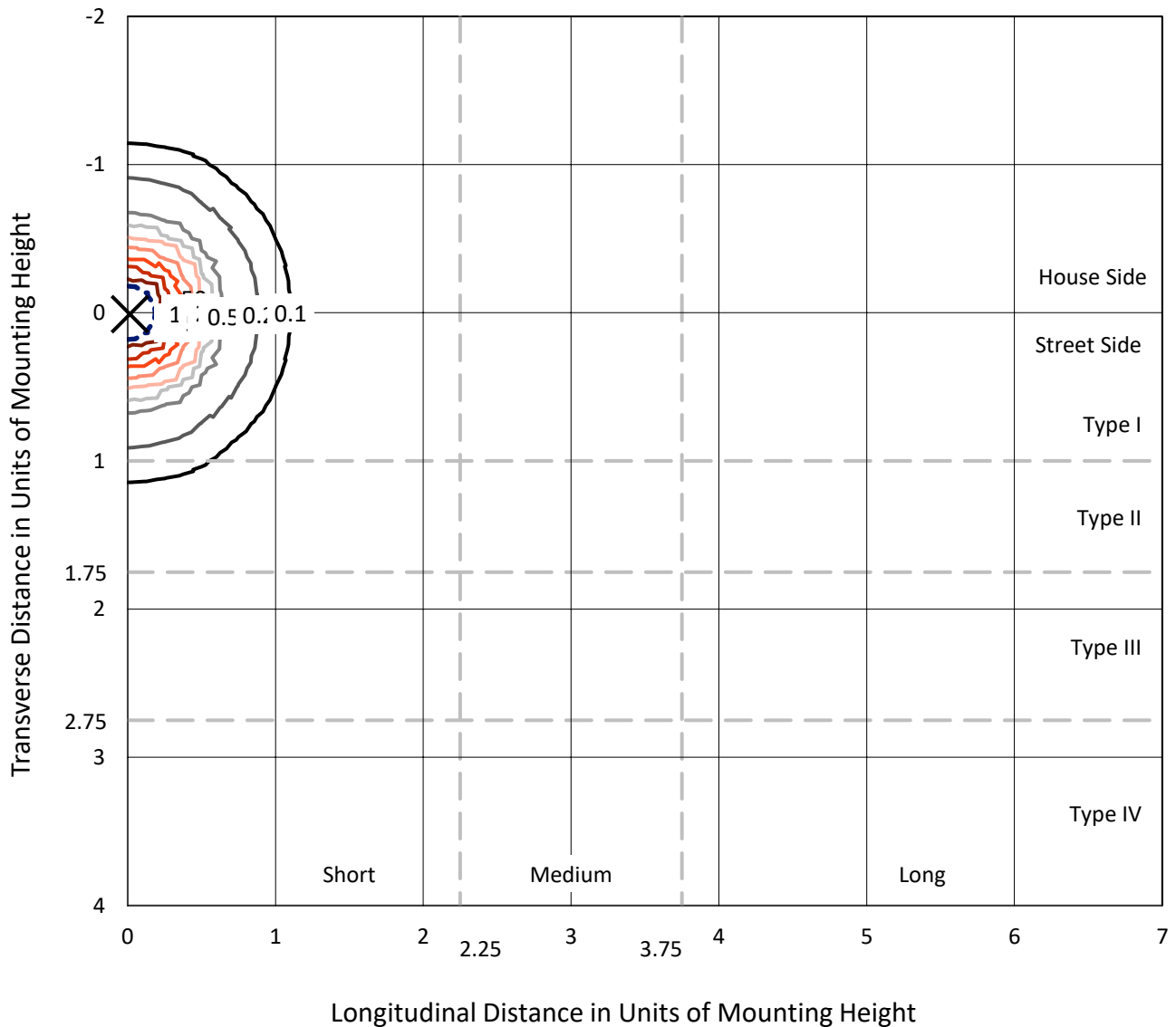
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636161
 CATALOG NUMBER: IFLD-S-SA2E-930-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

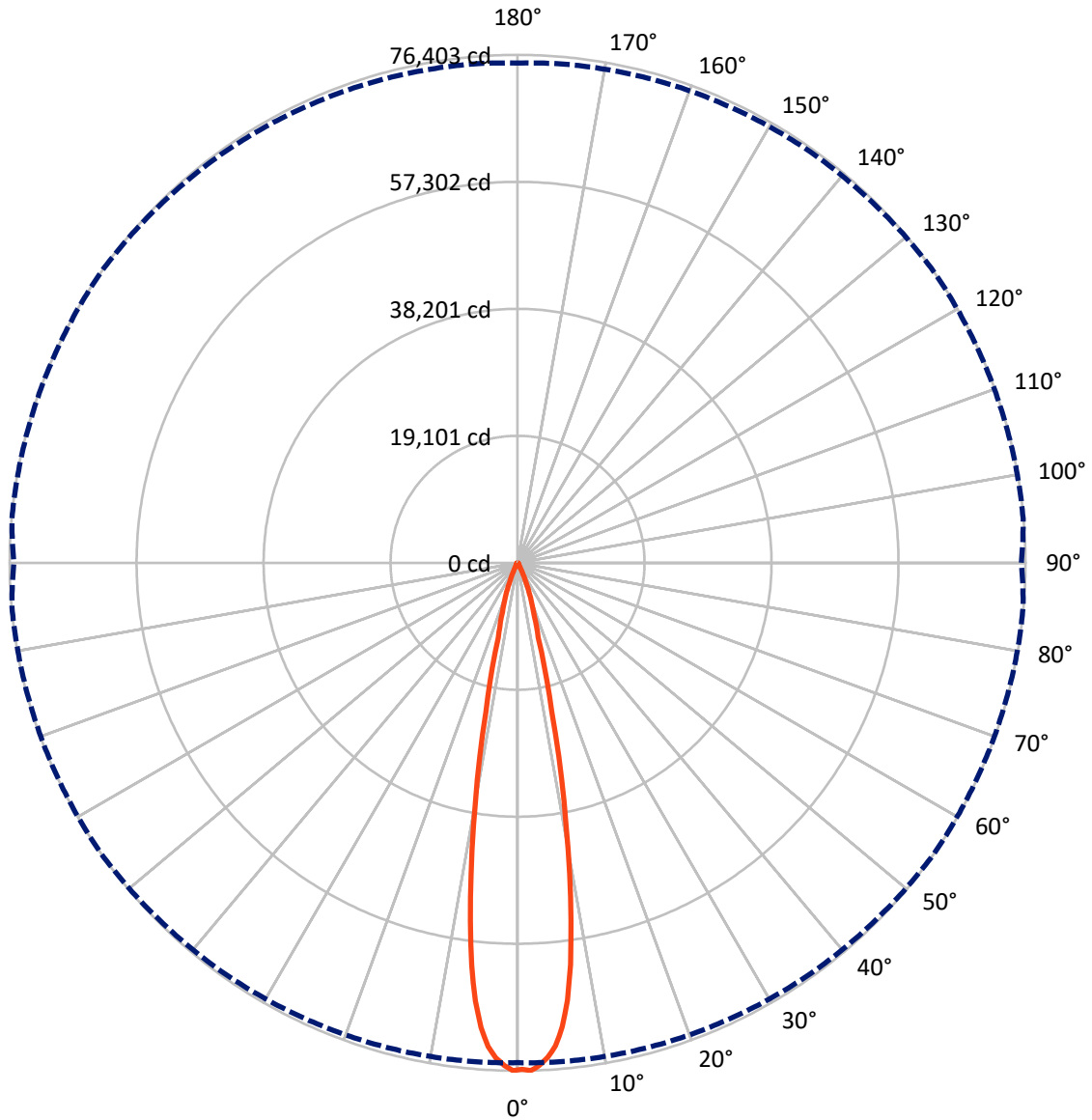
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 190.5 fc
 Type V - Short - N/A

REPORT NUMBER: P636161
CATALOG NUMBER: IFLD-S-SA2E-930-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636161
 CATALOG NUMBER: IFLD-S-SA2E-930-U-33-VI

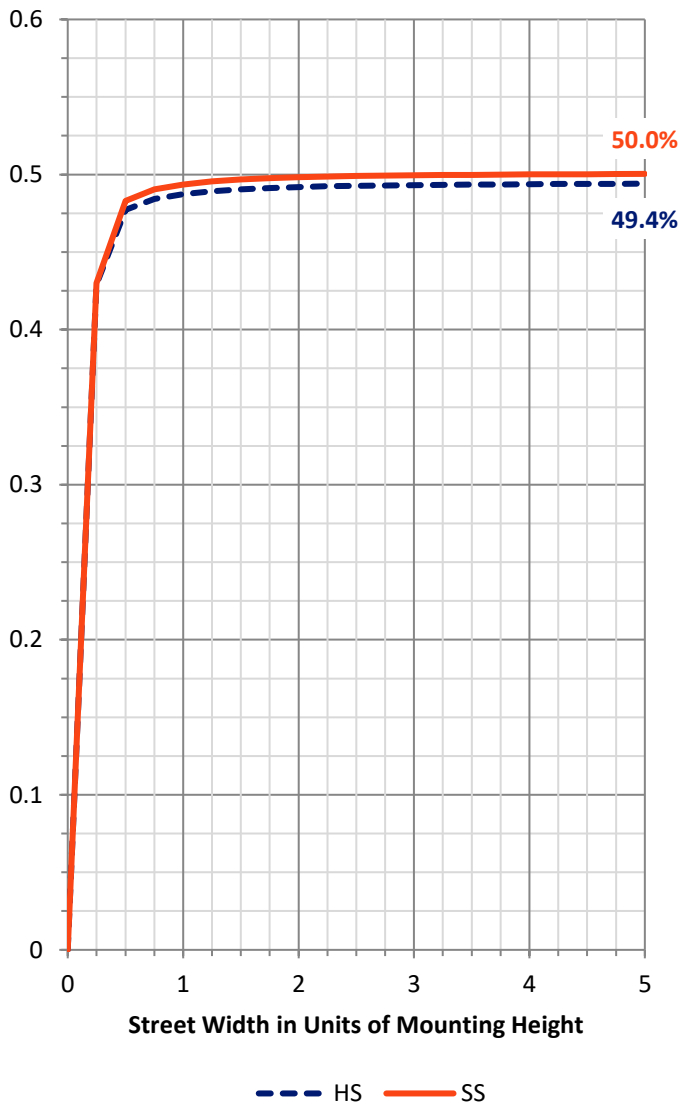
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5542.6	0.0	5542.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5542.6	0.0	5542.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11085.2	0.0	11085.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5632.1	50.8
10°-20°	3991.5	36.0
20°-30°	935.3	8.4
30°-40°	195.5	1.8
40°-50°	126.1	1.1
50°-60°	93.4	0.8
60°-70°	63.5	0.6
70°-80°	33.9	0.3
80°-90°	13.9	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°	11085.2	100.0
0°-180°	11085.2	100.0

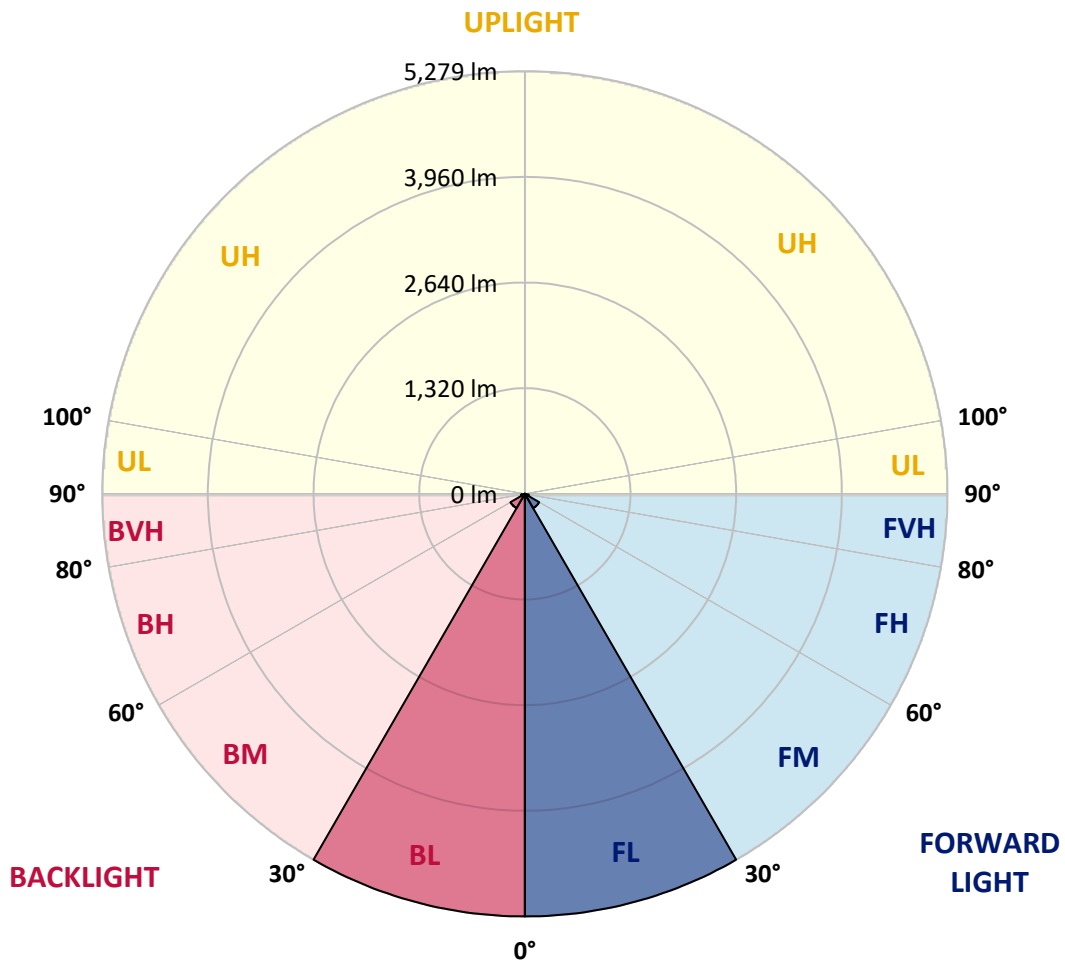


REPORT NUMBER: P636161
 CATALOG NUMBER: IFLD-S-SA2E-930-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5279.5	47.6			
FM (30°-60°)	207.5	1.9			
FH (60°-80°)	48.7	0.4			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	5279.5	47.6	B5		
BM (30°-60°)	207.5	1.9	B0/220		
BH (60°-80°)	48.7	0.4	B0/110		G0/660
BVH (80°-90°)	6.9	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





REPORT NUMBER: P636161
 CATALOG NUMBER: IFLD-S-SA2E-930-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	76206.5	76206.5	76206.5	76206.5	76206.5	76206.5	76206.5	76206.5	76206.5	76206.5
1°	75181.2	75320.4	75490.9	75645.8	75879.1	76069.2	76402.5	76331.9	76322.1	76335.9
2°	73724.6	73899.1	74161.8	74316.7	74918.5	75165.5	75669.3	75818.3	75698.7	75834.0
3°	71542.7	71685.8	72097.5	72401.3	73181.6	73848.1	74522.5	74746.0	74606.8	74669.5
4°	68945.2	69092.2	69590.1	70209.6	71336.8	72075.9	72883.6	73083.6	72628.8	72660.1
5°	65853.6	65922.2	66531.9	67096.5	68445.3	69341.2	70107.7	70170.4	69754.8	69596.0
6°	62375.9	62252.4	62813.0	63052.2	64728.4	65641.9	66202.6	66130.0	65814.4	65679.1
7°	58243.4	58074.8	58527.6	58398.2	59882.3	60403.7	60942.8	60695.8	60444.9	60756.6
8°	53462.0	53367.9	53075.8	53605.1	53899.1	54365.7	54363.7	54220.6	54212.8	54732.3
9°	46510.4	47378.9	47122.0	47676.8	47602.3	47580.8	47437.7	47345.5	46953.4	47551.4
10°	38876.6	39445.1	39878.4	40705.7	40544.9	40772.3	39976.4	40111.7	39850.9	40344.9
12.5°	20123.5	20762.6	21137.0	21768.2	22462.2	23171.9	22942.5	22705.3	22350.5	22785.7
15°	9905.9	10158.8	10278.4	10919.4	11413.4	11591.8	11619.3	11409.5	11319.3	11413.4
17.5°	6079.2	6167.4	6514.4	7251.5	7678.9	7784.7	7716.1	7486.8	7229.9	7122.1
20°	4401.1	4426.6	4557.9	4701.0	5271.5	5569.5	5459.7	5234.3	4997.0	4885.3
22.5°	2873.9	2899.4	2942.6	3021.0	3173.9	3542.4	3422.9	3269.9	3109.2	3075.9
25°	1627.1	1627.1	1672.2	1752.6	1866.3	1893.7	1917.3	1754.6	1680.1	1646.7
27.5°	907.7	913.5	923.3	954.7	1011.6	1005.7	980.2	937.1	886.1	833.2
30°	501.9	507.7	513.6	521.5	531.3	513.6	497.9	490.1	468.5	462.7
32.5°	376.4	376.4	380.3	378.4	368.6	347.0	337.2	349.0	347.0	337.2
35°	309.7	309.7	313.7	321.5	301.9	286.2	278.4	294.1	294.1	288.2
37.5°	252.9	254.9	256.8	266.6	260.7	243.1	241.1	245.0	247.0	245.0
40°	221.5	219.6	219.6	221.5	217.6	213.7	209.8	207.8	209.8	207.8
42.5°	192.1	190.2	194.1	190.2	182.3	184.3	184.3	178.4	180.4	176.4
45°	168.6	166.6	168.6	164.7	158.8	160.8	160.8	152.9	152.9	151.0
47.5°	149.0	149.0	149.0	151.0	141.1	139.2	141.1	139.2	133.3	131.3
50°	129.4	131.3	133.3	137.2	127.4	123.5	123.5	123.5	119.6	117.6
52.5°	119.6	121.5	121.5	121.5	115.7	111.7	111.7	109.8	107.8	105.9
55°	115.7	115.7	115.7	107.8	105.9	103.9	98.0	96.1	94.1	94.1
57.5°	109.8	109.8	107.8	101.9	96.1	96.1	88.2	86.3	84.3	84.3
60°	98.0	98.0	98.0	96.1	88.2	86.3	78.4	74.5	72.5	72.5
62.5°	90.2	90.2	90.2	82.3	80.4	74.5	68.6	62.7	60.8	56.9
65°	82.3	82.3	82.3	74.5	70.6	64.7	56.9	51.0	47.0	41.2
67.5°	76.5	76.5	74.5	68.6	62.7	54.9	47.0	41.2	33.3	29.4
70°	66.7	66.7	64.7	60.8	54.9	49.0	39.2	31.4	25.5	19.6
72.5°	56.9	56.9	54.9	51.0	47.0	41.2	33.3	27.4	17.6	13.7
75°	47.0	47.0	45.1	41.2	39.2	35.3	29.4	21.6	13.7	5.9
77.5°	39.2	39.2	37.2	35.3	33.3	29.4	25.5	17.6	9.8	3.9
80°	29.4	31.4	31.4	31.4	27.4	25.5	23.5	17.6	7.8	2.0
82.5°	21.6	23.5	23.5	23.5	21.6	19.6	21.6	15.7	7.8	2.0
85°	15.7	15.7	17.6	17.6	17.6	17.6	23.5	17.6	5.9	2.0
87.5°	7.8	7.8	7.8	7.8	7.8	9.8	11.8	9.8	3.9	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°
76206.5
75788.9
75320.4
74199.0
72193.5
69264.7
65375.3
60660.5
53291.4
46435.9
39078.5
21607.5
10974.3
6971.2
4799.0
3007.2
1619.3
835.1
462.7
331.3
286.2
245.0
209.8
178.4
151.0
131.3
115.7
103.9
92.1
84.3
70.6
52.9
41.2
27.4
19.6
11.8
5.9
2.0
2.0
2.0
2.0
0.0
0.0

OF REPORT)