

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: P636345

Luminaire Tested: **IFLD-S-SA6E-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636345
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32847 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

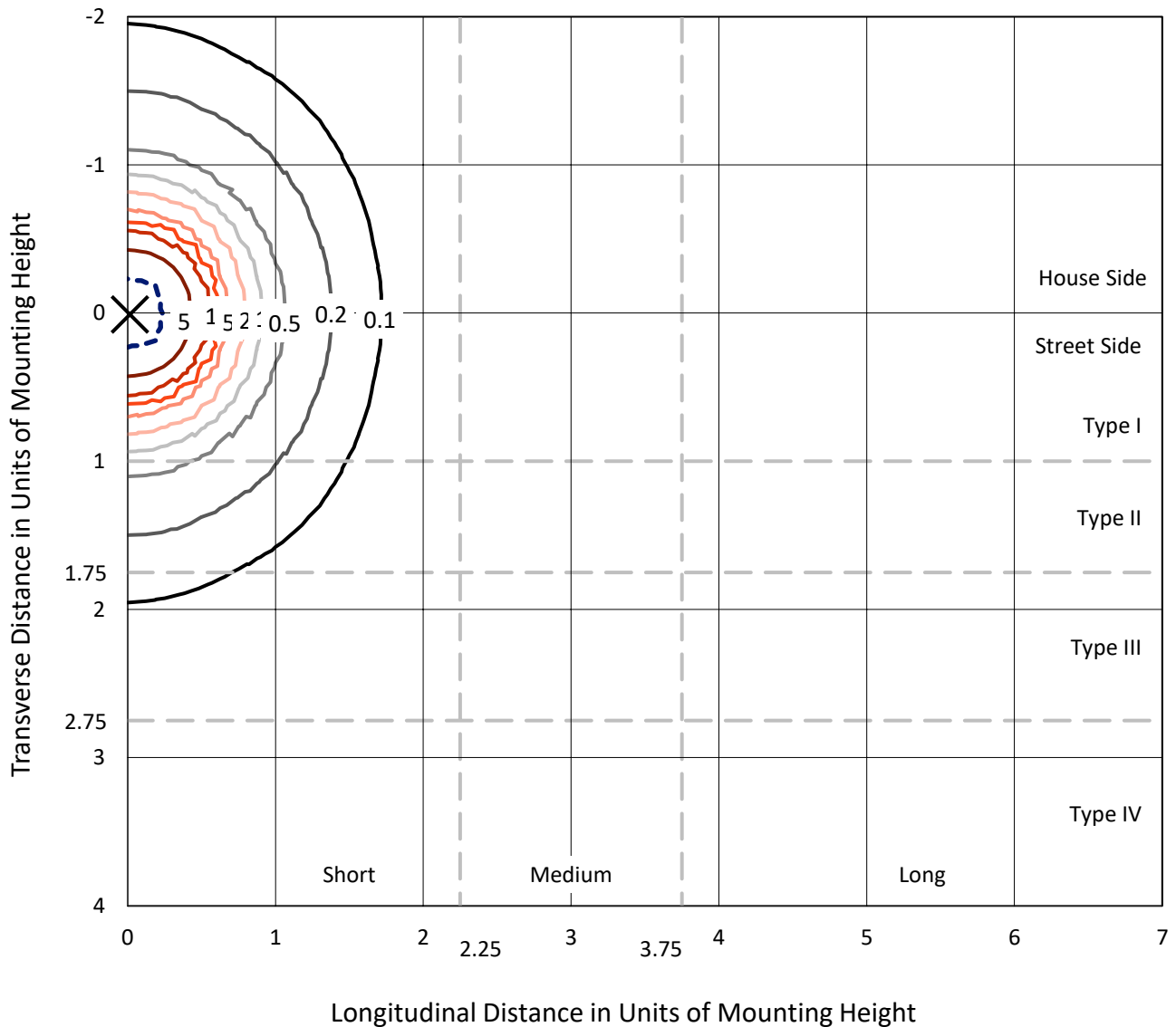
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

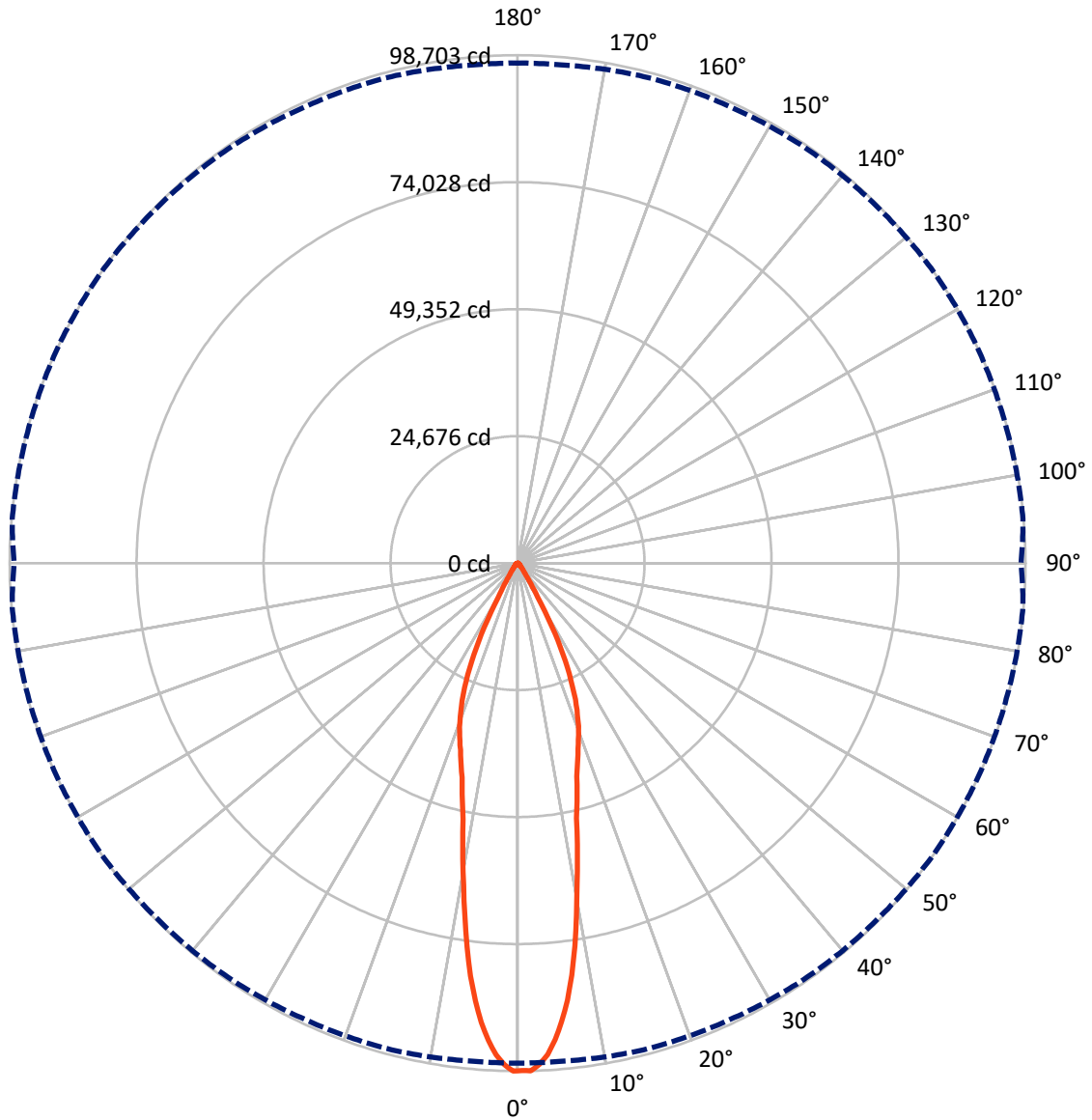
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 246.5 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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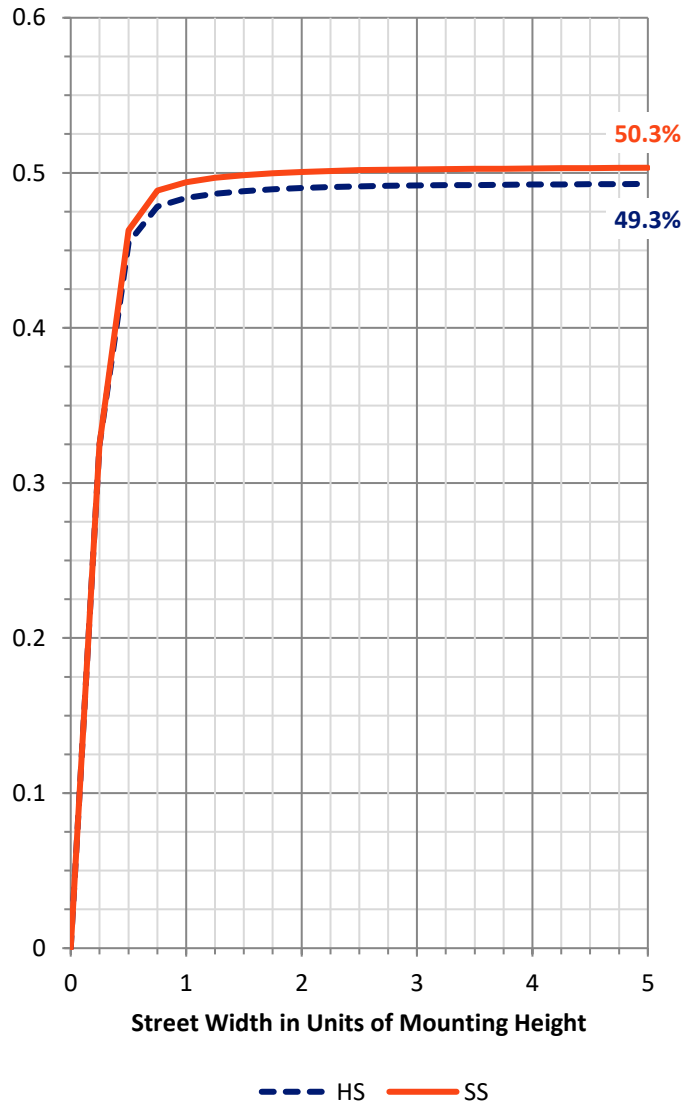
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16423.5	0.0	16423.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16423.5	0.0	16423.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32847.0	0.0	32847.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7501.3	22.8
10°-20°	12251.6	37.3
20°-30°	9573.8	29.1
30°-40°	2086.8	6.4
40°-50°	617.9	1.9
50°-60°	386.4	1.2
60°-70°	270.3	0.8
70°-80°	116.0	0.4
80°-90°	42.9	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°	32847.0	100.0
0°-180°	32847.0	100.0



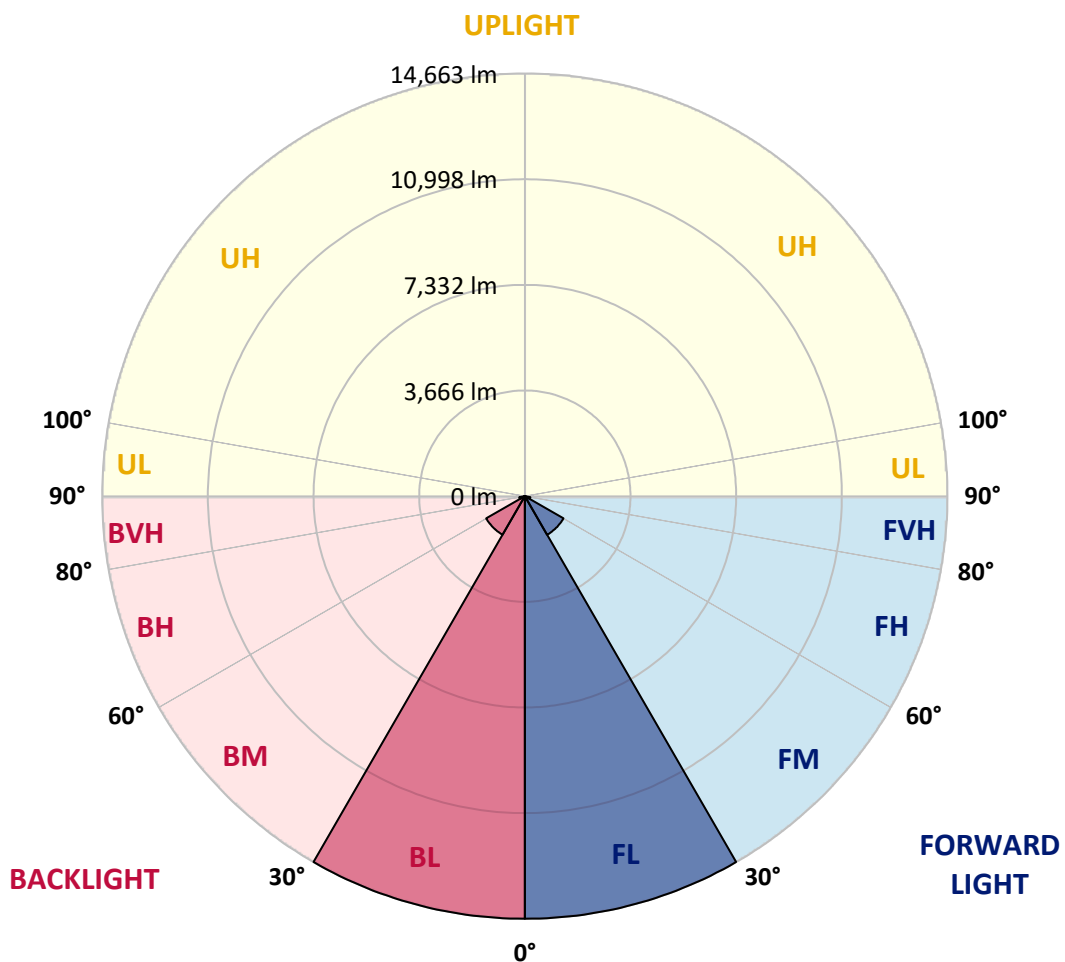
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14663.4	44.6			
FM (30°-60°)	1545.6	4.7			
FH (60°-80°)	193.1	0.6			G0/660
FVH (80°-90°)	21.4	0.1			G1/100
BL (0°-30°)	14663.4	44.6	B5		
BM (30°-60°)	1545.6	4.7	B2/2500		
BH (60°-80°)	193.1	0.6	B1/500		G0/660
BVH (80°-90°)	21.4	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°	98590.4	98590.4	98590.4	98590.4	98590.4	98590.4	98590.4	98590.4	98590.4	98590.4
1°	97163.3	97175.2	97704.4	97823.4	98186.1	98370.4	98703.4	98667.7	98566.6	98578.5
2°	95373.5	95296.2	95789.7	96336.8	96770.9	97127.6	97526.0	97609.3	97514.1	97603.3
3°	92430.0	92317.0	93006.8	93690.6	94445.8	95058.3	95658.9	95682.7	95569.7	95563.7
4°	88558.9	88350.8	89171.4	90390.4	91341.8	92156.5	92905.7	92893.8	92739.2	92864.1
5°	83879.2	83617.5	84681.9	86287.4	87696.7	88677.9	89504.4	89308.2	88951.4	88969.2
6°	78135.0	78390.7	79692.9	81946.6	83611.6	84426.2	85443.1	85074.4	84456.0	84390.6
7°	72735.7	73312.5	74353.1	77070.6	79050.7	79907.0	80769.2	80025.9	79187.5	79050.7
8°	67051.0	68014.3	69453.3	71956.7	74067.7	74929.9	75257.0	74460.2	73562.3	73526.6
9°	62442.6	63102.6	64339.5	66545.6	68692.2	69269.0	69340.4	68644.6	67746.7	67806.2
10°	58250.4	58375.3	59445.6	61342.5	63061.0	63471.3	63453.5	62948.0	62210.7	62406.9
12.5°	48867.1	49206.0	49515.2	50121.8	50698.6	50966.1	50865.1	50656.9	50252.6	50270.4
15°	42498.5	42492.6	42528.3	42807.8	42980.2	43009.9	43009.9	42748.3	42575.8	42831.5
17.5°	36879.2	37188.5	37741.5	37967.4	38193.4	38110.1	37955.5	37836.6	37723.6	37943.6
20°	32508.7	32645.4	32651.4	32800.0	33941.7	34001.2	33805.0	33466.0	33180.6	33127.1
22.5°	27591.0	27799.2	27888.4	28019.2	28138.1	29006.3	28774.4	28227.3	27888.4	27787.3
25°	20711.1	20639.8	21222.5	22292.9	22465.3	22572.3	22512.9	22227.4	22007.4	22049.1
27.5°	14312.9	14437.7	14413.9	14425.8	15561.6	15555.6	15537.8	15288.1	15222.6	15127.5
30°	8003.8	7944.3	7974.1	7896.7	7736.2	7932.4	7617.3	7884.9	7623.2	7706.5
32.5°	4733.3	4691.7	4650.0	4667.9	4549.0	4257.6	4132.7	4317.0	4257.6	4233.8
35°	3020.7	3038.6	3092.1	3086.2	2979.1	2812.6	2634.2	2800.7	2776.9	2705.6
37.5°	1926.6	1926.6	1944.5	2099.1	2009.9	1867.2	1742.3	1813.6	1807.7	1795.8
40°	1367.7	1367.7	1391.4	1433.1	1385.5	1314.1	1242.8	1242.8	1254.7	1219.0
42.5°	1016.8	1016.8	1040.6	1064.4	1004.9	981.1	945.5	921.7	951.4	921.7
45°	796.8	790.9	796.8	784.9	749.2	749.2	719.5	683.8	719.5	701.7
47.5°	654.1	648.2	642.2	618.4	582.7	588.7	576.8	547.1	564.9	559.0
50°	570.8	559.0	564.9	541.1	511.4	505.4	505.4	475.7	481.7	481.7
52.5°	499.5	499.5	493.5	481.7	469.8	446.0	451.9	422.2	422.2	422.2
55°	469.8	469.8	457.9	434.1	440.0	422.2	404.4	386.5	380.6	380.6
57.5°	463.8	463.8	457.9	434.1	416.2	410.3	386.5	362.7	344.9	350.8
60°	451.9	451.9	440.0	434.1	404.4	392.5	356.8	338.9	315.2	315.2
62.5°	434.1	428.1	404.4	368.7	368.7	338.9	315.2	279.5	261.6	255.7
65°	368.7	362.7	344.9	315.2	297.3	279.5	243.8	208.1	196.2	178.4
67.5°	303.3	303.3	291.4	261.6	249.7	226.0	184.3	160.6	130.8	118.9
70°	249.7	249.7	237.9	220.0	208.1	178.4	142.7	118.9	89.2	77.3
72.5°	202.2	202.2	190.3	178.4	166.5	148.7	118.9	89.2	59.5	47.6
75°	160.6	160.6	154.6	142.7	130.8	118.9	95.1	71.4	41.6	23.8
77.5°	130.8	130.8	124.9	118.9	107.0	95.1	77.3	59.5	29.7	11.9
80°	101.1	101.1	101.1	101.1	89.2	77.3	65.4	47.6	23.8	5.9
82.5°	71.4	71.4	77.3	89.2	71.4	59.5	59.5	47.6	17.8	5.9
85°	47.6	53.5	59.5	53.5	47.6	47.6	83.2	77.3	17.8	5.9
87.5°	23.8	23.8	23.8	23.8	23.8	17.8	23.8	17.8	11.9	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°
98590.4
97847.1
96901.7
95046.4
92275.4
88101.1
83522.4
78402.6
72224.3
66920.2
61717.1
49681.7
42236.9
37438.2
32782.2
27424.6
21906.3
14782.6
7807.6
4174.3
2628.3
1772.0
1207.1
915.7
701.7
559.0
487.6
422.2
374.6
350.8
297.3
243.8
172.4
113.0
71.4
41.6
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