

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: P636065

Luminaire Tested: **IFLD-L-SA7E-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636065
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35617.8 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

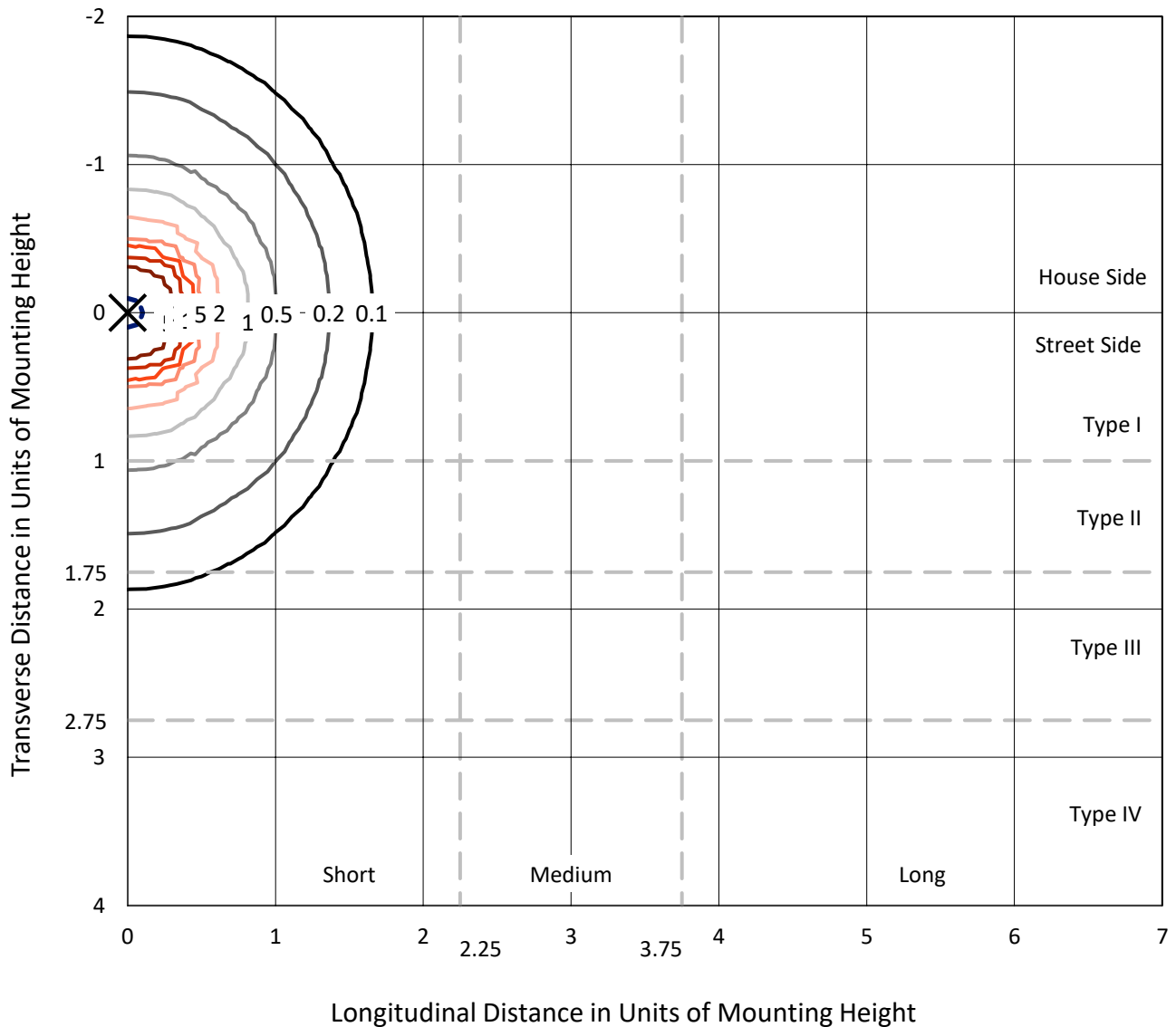
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

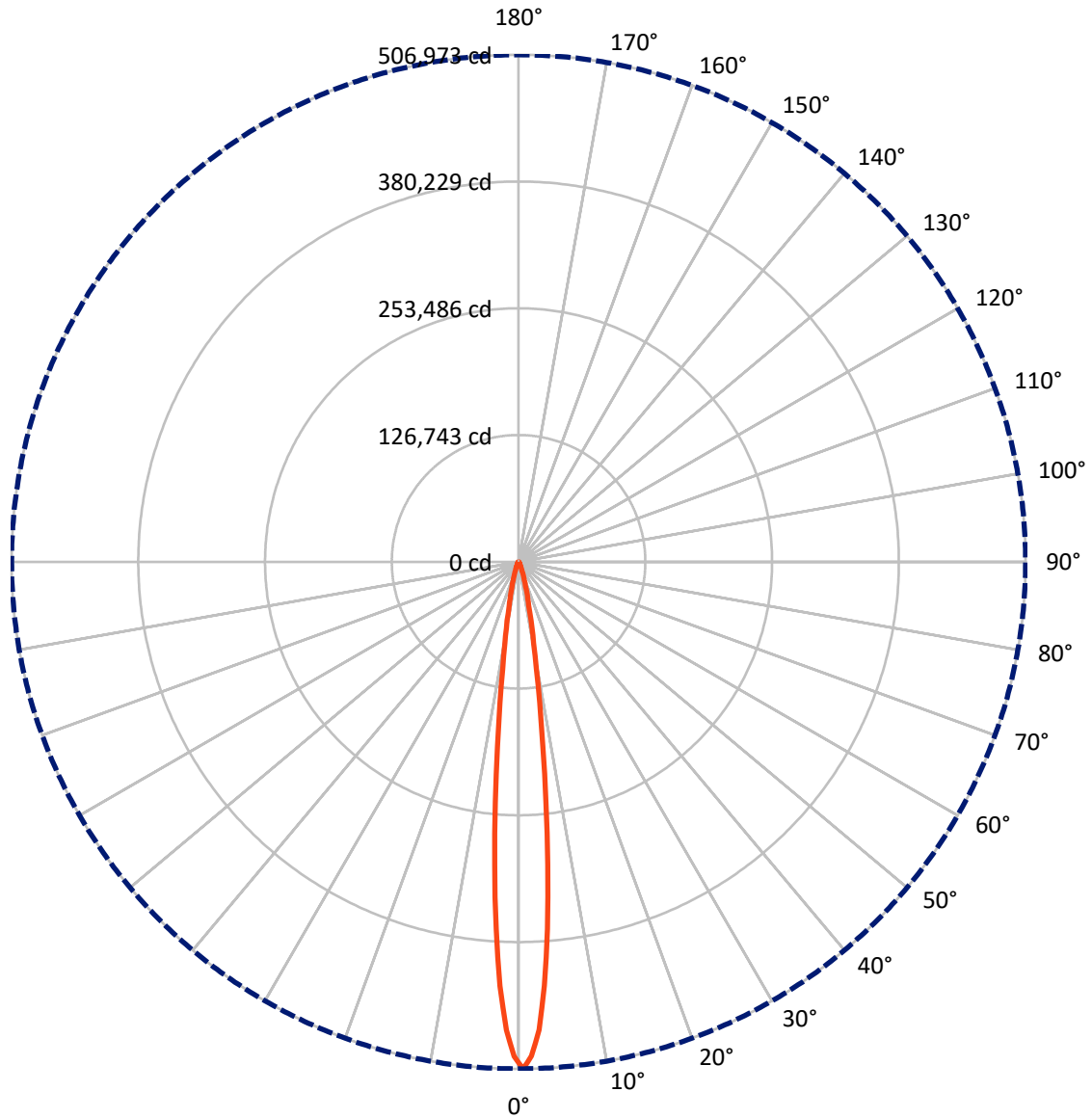
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1267.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17808.9	0.0	17808.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17808.9	0.0	17808.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	35617.8	0.0	35617.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21711.9	61.0
10°-20°	9727.1	27.3
20°-30°	2172.3	6.1
30°-40°	709.0	2.0
40°-50°	489.0	1.4
50°-60°	369.4	1.0
60°-70°	252.8	0.7
70°-80°	133.1	0.4
80°-90°	53.1	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°	35617.8	100.0
0°-180°	35617.8	100.0

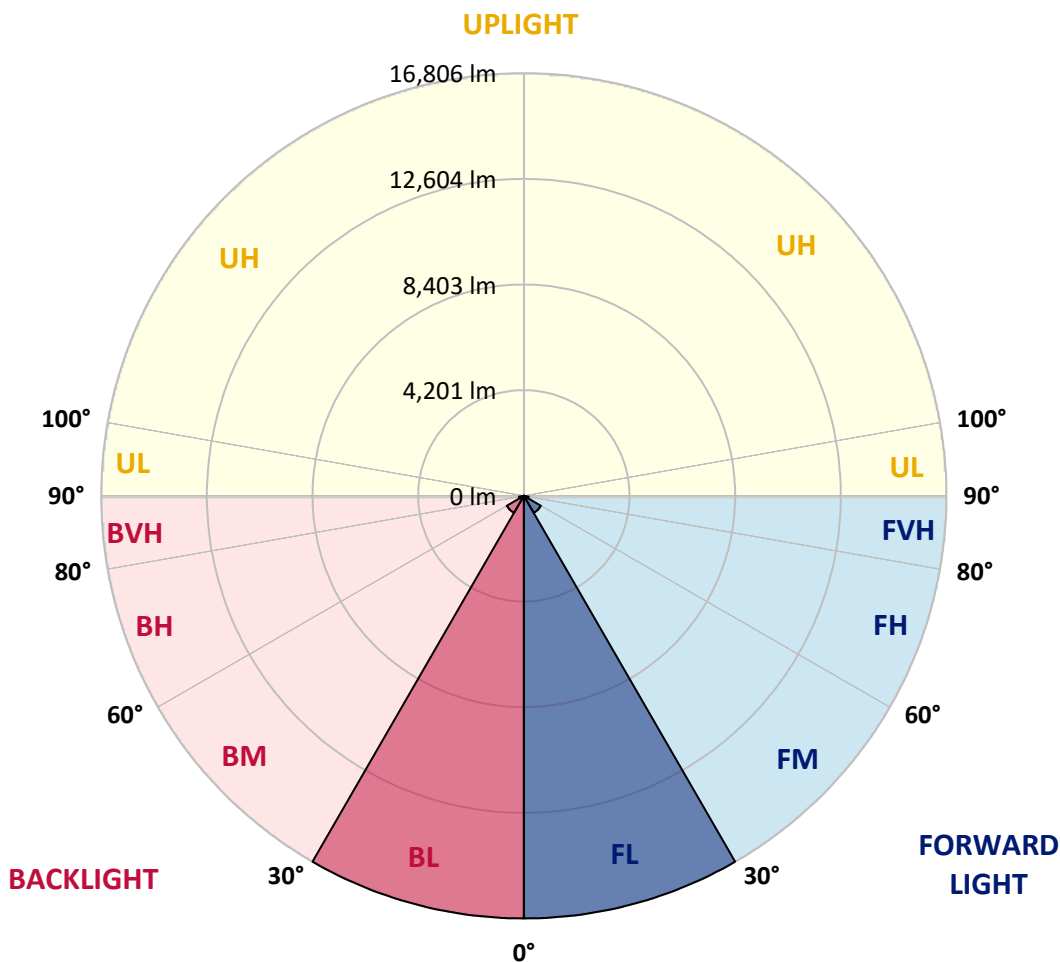


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16805.6	47.2			
FM (30°-60°)	783.7	2.2			
FH (60°-80°)	193.0	0.5			G0/660
FVH (80°-90°)	26.6	0.1			G1/100
BL (0°-30°)	16805.6	47.2	B5		
BM (30°-60°)	783.7	2.2	B1/1000		
BH (60°-80°)	193.0	0.5	B1/500		G0/660
BVH (80°-90°)	26.6	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°	506972.5	506972.5	506972.5	506972.5	506972.5	506972.5	506972.5	506972.5	506972.5	506972.5
1°	494385.5	495058.0	494309.4	498090.6	499651.2	500463.3	500558.5	502690.1	501047.0	501503.7
2°	468329.9	469827.1	467321.1	469744.6	474591.6	476425.1	473436.9	477129.3	475809.7	476577.3
3°	424548.4	426381.9	422918.0	425880.7	432117.1	433512.8	428615.1	433861.7	433728.5	434832.4
4°	368116.7	371092.1	366143.6	369652.0	372411.7	377271.4	372525.9	378495.8	378381.6	380297.5
5°	304059.1	307275.6	302974.3	306615.8	309229.7	311037.8	309299.4	315903.8	316322.5	318301.9
6°	241378.3	244379.1	239576.5	243053.2	247195.9	247938.2	247487.8	253172.2	254434.7	252893.0
7°	185764.9	186513.5	185758.6	188918.0	192242.4	192362.9	192946.6	197945.8	199056.0	198523.1
8°	142269.0	138843.1	141786.8	143461.7	144489.5	149209.6	149558.5	152077.1	154120.0	154265.9
9°	108295.7	105123.6	108530.5	109196.6	111556.7	115750.2	115223.6	117977.0	119258.5	119176.1
10°	82563.6	80952.2	82658.8	83394.7	85336.0	88888.8	89504.2	90766.7	91718.3	92340.0
12.5°	44802.8	45177.1	46166.8	46940.8	49554.7	50499.9	50880.6	50988.4	50982.1	51083.6
15°	27832.1	28136.6	28828.1	30230.2	31822.6	32996.3	33161.2	32552.2	32025.6	31943.1
17.5°	17357.8	17237.2	18861.3	20396.6	22312.6	22921.6	22287.2	21589.4	20872.5	20460.1
20°	10417.2	10499.7	11051.6	11736.8	13284.8	14337.9	13678.1	12967.6	12225.3	11736.8
22.5°	5919.2	6008.0	6249.1	6604.3	7194.3	8152.3	7733.6	7016.7	6490.1	6274.4
25°	3495.7	3495.7	3641.6	3800.2	4047.6	4269.7	4180.8	3800.2	3489.3	3400.5
27.5°	2264.9	2245.9	2296.6	2372.7	2486.9	2499.6	2398.1	2283.9	2125.3	2068.2
30°	1655.8	1662.2	1655.8	1687.6	1681.2	1636.8	1573.4	1579.7	1516.3	1509.9
32.5°	1345.0	1351.3	1351.3	1345.0	1313.3	1243.5	1199.1	1243.5	1230.8	1218.1
35°	1116.6	1122.9	1186.4	1180.0	1129.3	1053.1	1021.4	1072.2	1110.2	1053.1
37.5°	964.3	970.7	1021.4	1046.8	983.4	932.6	894.5	938.9	996.0	932.6
40°	850.1	856.5	869.2	875.5	843.8	818.4	799.4	812.1	837.4	805.7
42.5°	748.6	742.3	748.6	742.3	704.2	716.9	704.2	685.2	704.2	678.8
45°	653.5	653.5	653.5	634.4	596.4	621.7	609.0	590.0	596.4	577.3
47.5°	596.4	596.4	596.4	571.0	539.3	539.3	545.6	513.9	520.2	513.9
50°	539.3	539.3	551.9	526.6	501.2	482.2	488.5	463.1	469.5	463.1
52.5°	494.8	494.8	494.8	482.2	463.1	450.4	437.8	425.1	418.7	412.4
55°	475.8	475.8	469.5	431.4	425.1	412.4	387.0	380.7	368.0	361.6
57.5°	444.1	444.1	437.8	406.0	380.7	380.7	342.6	336.2	317.2	317.2
60°	393.3	393.3	387.0	380.7	348.9	329.9	304.5	291.8	272.8	266.5
62.5°	374.3	374.3	361.6	329.9	323.6	291.8	266.5	241.1	228.4	215.7
65°	348.9	342.6	336.2	304.5	279.1	260.1	228.4	196.7	184.0	158.6
67.5°	310.9	310.9	304.5	279.1	253.8	222.0	190.3	164.9	133.2	114.2
70°	272.8	266.5	266.5	241.1	222.0	196.7	152.3	126.9	95.2	76.1
72.5°	228.4	228.4	222.0	203.0	190.3	171.3	133.2	101.5	63.4	50.8
75°	184.0	184.0	177.6	164.9	158.6	139.6	114.2	88.8	50.8	25.4
77.5°	152.3	145.9	145.9	133.2	126.9	114.2	95.2	69.8	38.1	19.0
80°	114.2	114.2	120.5	114.2	101.5	95.2	82.5	63.4	31.7	12.7
82.5°	82.5	82.5	88.8	88.8	88.8	82.5	82.5	63.4	31.7	6.3
85°	57.1	57.1	69.8	63.4	63.4	69.8	101.5	82.5	25.4	6.3
87.5°	31.7	31.7	31.7	25.4	25.4	31.7	38.1	31.7	12.7	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
506972.5
498147.7
473836.6
431869.7
376935.1
314520.7
253051.7
197793.5
152426.1
121117.4
92708.0
51166.1
31689.3
20396.6
11844.6
6299.8
3387.8
2068.2
1503.6
1192.7
1040.5
926.3
793.0
678.8
577.3
513.9
463.1
412.4
355.3
317.2
253.8
209.4
152.3
114.2
76.1
44.4
25.4
12.7
6.3
6.3
6.3
6.3
0.0

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