

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: P636036

Luminaire Tested: **IFLD-L-SA7E-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636036
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34330.4 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

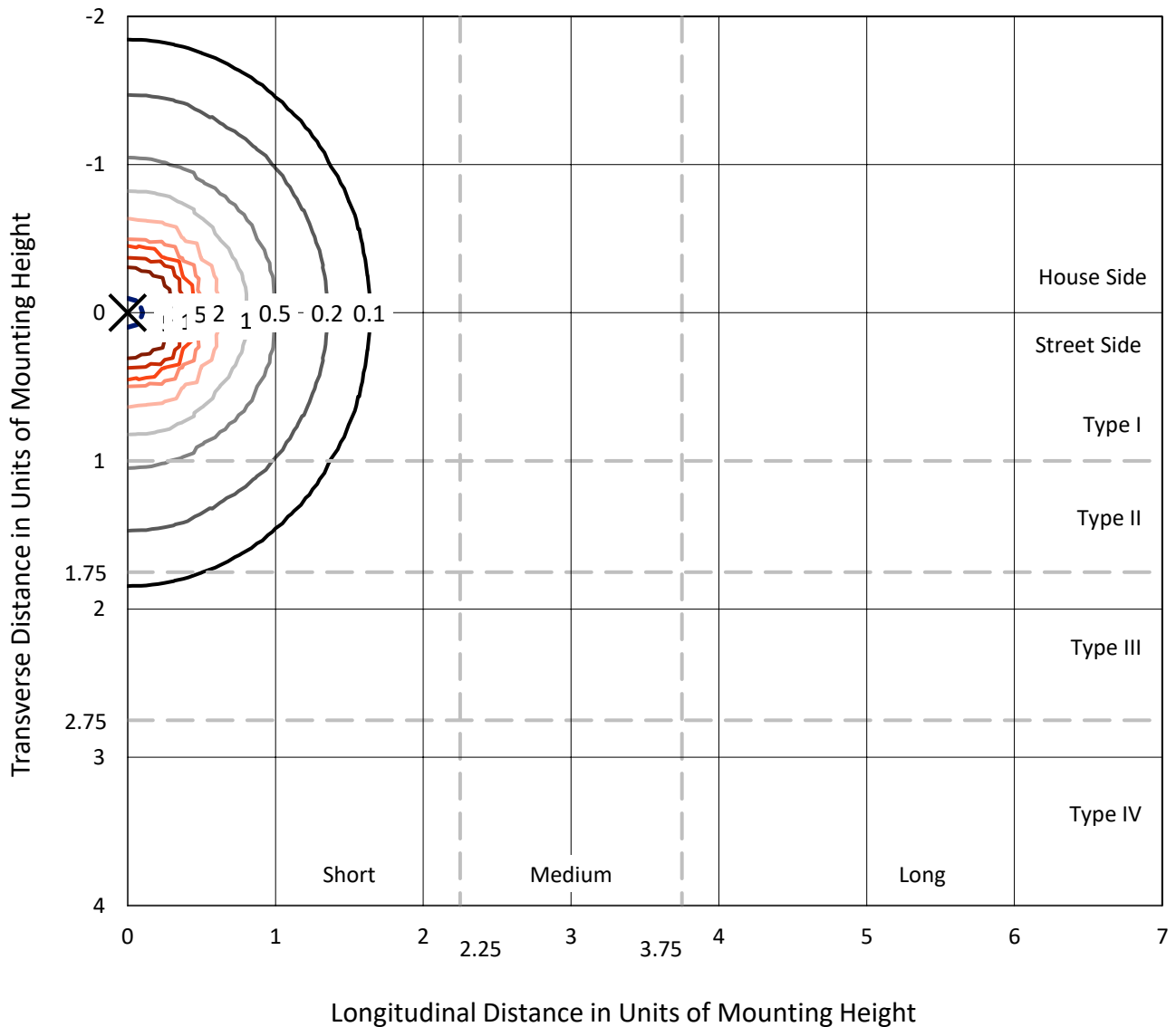
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

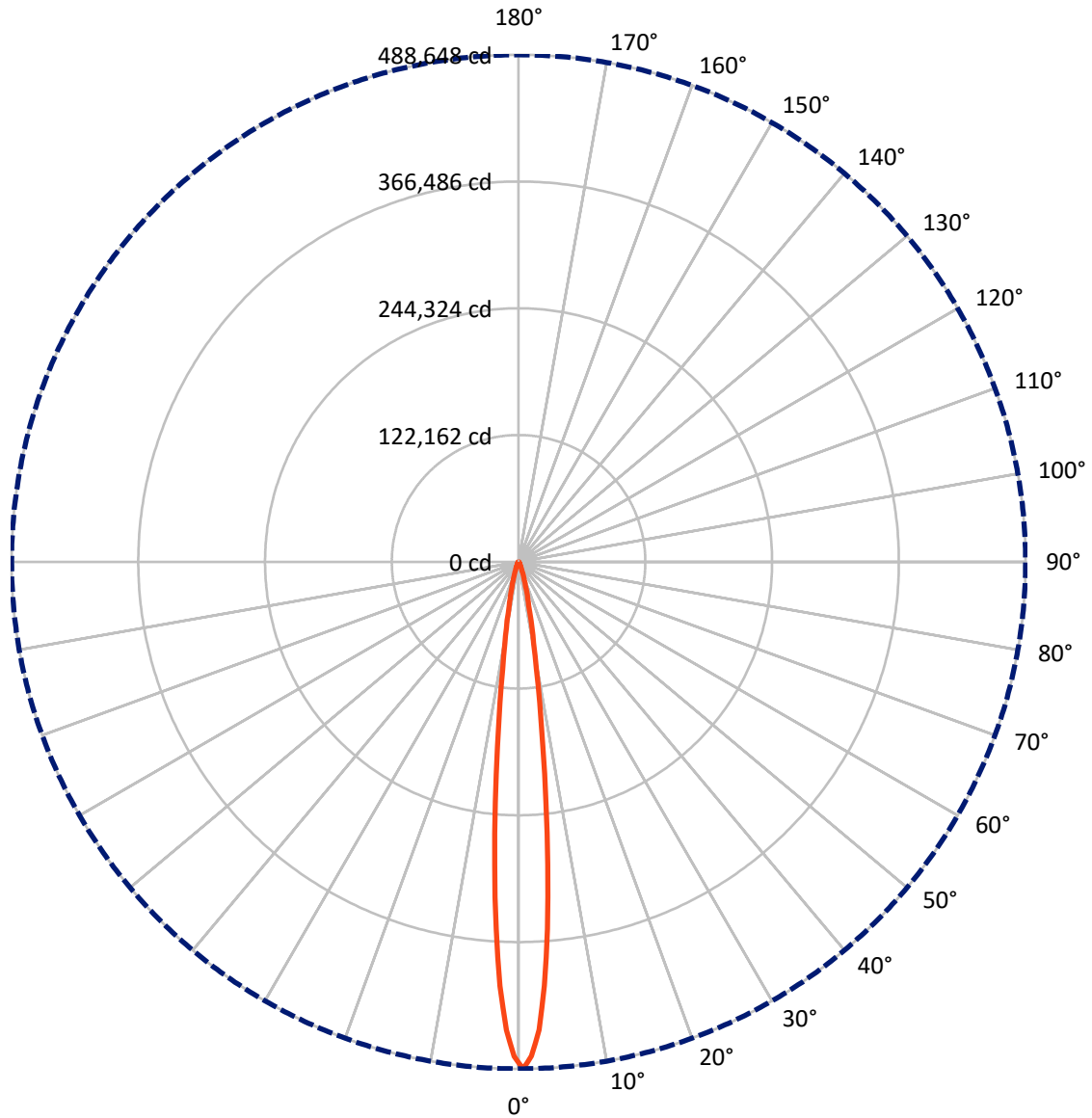
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1221.6 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	17165.2	0.0	17165.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17165.2	0.0	17165.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	34330.4	0.0	34330.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20927.1	61.0
10°-20°	9375.5	27.3
20°-30°	2093.8	6.1
30°-40°	683.4	2.0
40°-50°	471.3	1.4
50°-60°	356.1	1.0
60°-70°	243.7	0.7
70°-80°	128.3	0.4
80°-90°	51.2	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°	34330.4	100.0
0°-180°	34330.4	100.0

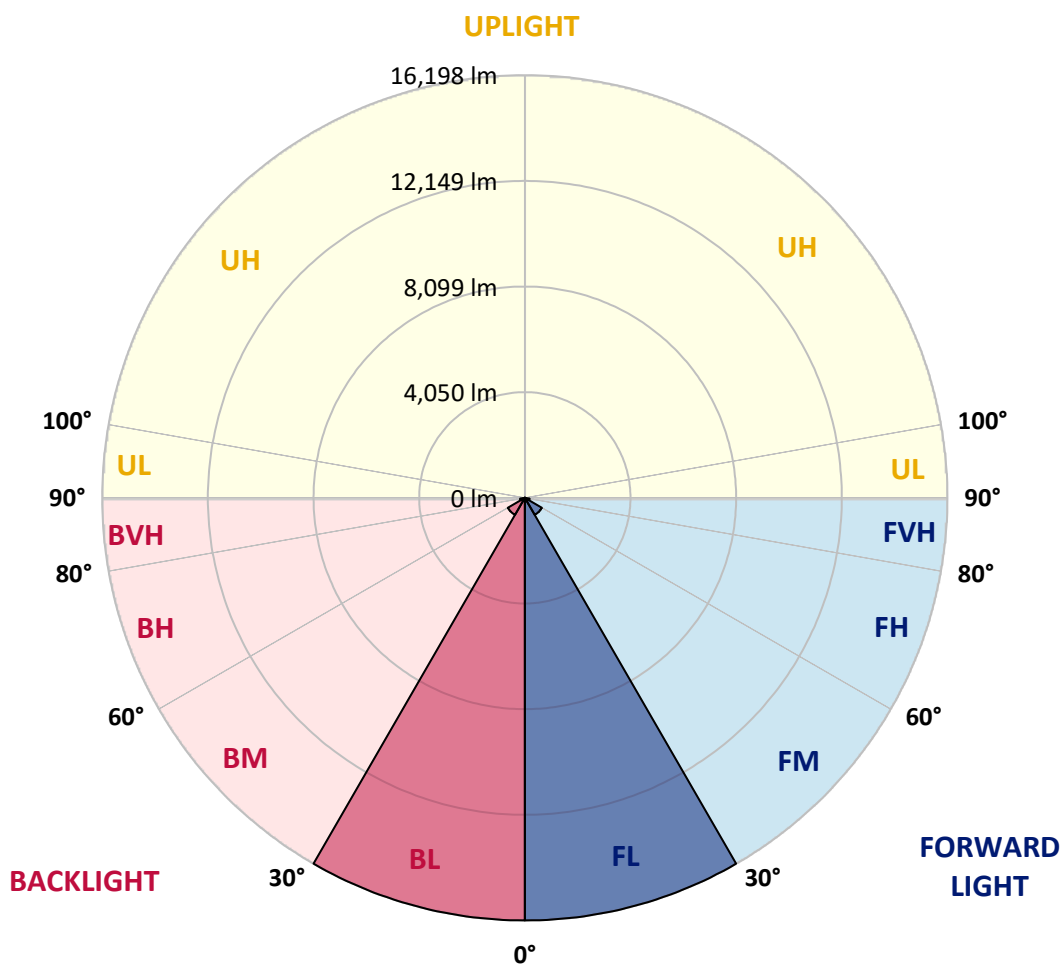


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16198.2	47.2			
FM (30°-60°)	755.4	2.2			
FH (60°-80°)	186.0	0.5			G0/660
FVH (80°-90°)	25.6	0.1			G1/100
BL (0°-30°)	16198.2	47.2	B5		
BM (30°-60°)	755.4	2.2	B1/1000		
BH (60°-80°)	186.0	0.5	B1/500		G0/660
BVH (80°-90°)	25.6	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°	488648.2	488648.2	488648.2	488648.2	488648.2	488648.2	488648.2	488648.2	488648.2	488648.2
1°	476516.2	477164.4	476442.8	480087.3	481591.6	482374.3	482466.0	484520.6	482936.8	483377.1
2°	451402.3	452845.4	450430.0	452765.9	457437.7	459204.9	456324.8	459883.6	458611.7	459351.6
3°	409203.3	410970.5	407631.8	410487.4	416498.4	417843.7	413123.0	418180.0	418051.6	419115.6
4°	354811.2	357679.1	352909.5	356291.0	358951.0	363635.0	359061.1	364815.2	364705.1	366551.8
5°	293069.0	296169.3	292023.4	295533.3	298052.7	299795.4	298120.0	304485.6	304889.2	306797.0
6°	232653.8	235546.1	230917.1	234268.1	238261.1	238976.6	238542.4	244021.4	245238.3	243752.3
7°	179050.5	179772.1	179044.4	182089.6	185293.8	185410.0	185972.6	190791.1	191861.3	191347.6
8°	137126.7	133824.7	136662.0	138276.3	139267.0	143816.4	144152.8	146580.4	148549.4	148690.0
9°	104381.4	101324.0	104607.7	105249.7	107524.5	111566.4	111058.9	113712.8	114948.0	114868.5
10°	79579.4	78026.2	79671.1	80380.4	82251.6	85675.9	86269.1	87485.9	88403.2	89002.4
12.5°	43183.5	43544.2	44498.2	45244.2	47763.5	48674.6	49041.5	49145.5	49139.4	49237.2
15°	26826.1	27119.6	27786.1	29137.5	30672.4	31803.6	31962.6	31375.6	30868.0	30788.5
17.5°	16730.4	16614.2	18179.6	19659.4	21506.1	22093.2	21481.7	20809.0	20118.0	19720.6
20°	10040.7	10120.2	10652.2	11312.6	12804.6	13819.7	13183.7	12498.9	11783.4	11312.6
22.5°	5705.2	5790.8	6023.2	6365.6	6934.3	7857.7	7454.1	6763.1	6255.5	6047.6
25°	3369.3	3369.3	3510.0	3662.8	3901.3	4115.3	4029.7	3662.8	3363.2	3277.6
27.5°	2183.0	2164.7	2213.6	2287.0	2397.0	2409.3	2311.4	2201.4	2048.5	1993.5
30°	1596.0	1602.1	1596.0	1626.6	1620.4	1577.6	1516.5	1522.6	1461.5	1455.3
32.5°	1296.4	1302.5	1302.5	1296.4	1265.8	1198.5	1155.7	1198.5	1186.3	1174.1
35°	1076.2	1082.3	1143.5	1137.4	1088.5	1015.1	984.5	1033.4	1070.1	1015.1
37.5°	929.5	935.6	984.5	1009.0	947.8	898.9	862.2	905.0	960.0	898.9
40°	819.4	825.5	837.7	843.9	813.3	788.8	770.5	782.7	807.2	776.6
42.5°	721.6	715.4	721.6	715.4	678.8	691.0	678.8	660.4	678.8	654.3
45°	629.8	629.8	629.8	611.5	574.8	599.3	587.0	568.7	574.8	556.5
47.5°	574.8	574.8	574.8	550.3	519.8	519.8	525.9	495.3	501.4	495.3
50°	519.8	519.8	532.0	507.5	483.1	464.7	470.8	446.4	452.5	446.4
52.5°	477.0	477.0	477.0	464.7	446.4	434.2	421.9	409.7	403.6	397.5
55°	458.6	458.6	452.5	415.8	409.7	397.5	373.0	366.9	354.7	348.5
57.5°	428.0	428.0	421.9	391.4	366.9	366.9	330.2	324.1	305.7	305.7
60°	379.1	379.1	373.0	366.9	336.3	318.0	293.5	281.3	262.9	256.8
62.5°	360.8	360.8	348.5	318.0	311.9	281.3	256.8	232.4	220.1	207.9
65°	336.3	330.2	324.1	293.5	269.1	250.7	220.1	189.6	177.3	152.9
67.5°	299.6	299.6	293.5	269.1	244.6	214.0	183.4	159.0	128.4	110.1
70°	262.9	256.8	256.8	232.4	214.0	189.6	146.8	122.3	91.7	73.4
72.5°	220.1	220.1	214.0	195.7	183.4	165.1	128.4	97.8	61.1	48.9
75°	177.3	177.3	171.2	159.0	152.9	134.5	110.1	85.6	48.9	24.5
77.5°	146.8	140.6	140.6	128.4	122.3	110.1	91.7	67.3	36.7	18.3
80°	110.1	110.1	116.2	110.1	97.8	91.7	79.5	61.1	30.6	12.2
82.5°	79.5	79.5	85.6	85.6	85.6	79.5	79.5	61.1	30.6	6.1
85°	55.0	55.0	67.3	61.1	61.1	67.3	97.8	79.5	24.5	6.1
87.5°	30.6	30.6	30.6	24.5	24.5	30.6	36.7	30.6	12.2	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
488648.2
480142.3
456710.0
416259.9
363311.0
303152.5
243905.2
190644.4
146916.7
116739.6
89357.1
49316.7
30543.9
19659.4
11416.5
6072.1
3265.4
1993.5
1449.2
1149.6
1002.8
892.8
764.4
654.3
556.5
495.3
446.4
397.5
342.4
305.7
244.6
201.8
146.8
110.1
73.4
42.8
24.5
12.2
6.1
6.1
6.1
6.1
0.0

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