

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: P636239

Luminaire Tested: **IFLD-L-SA7E-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636239
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39036.6 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

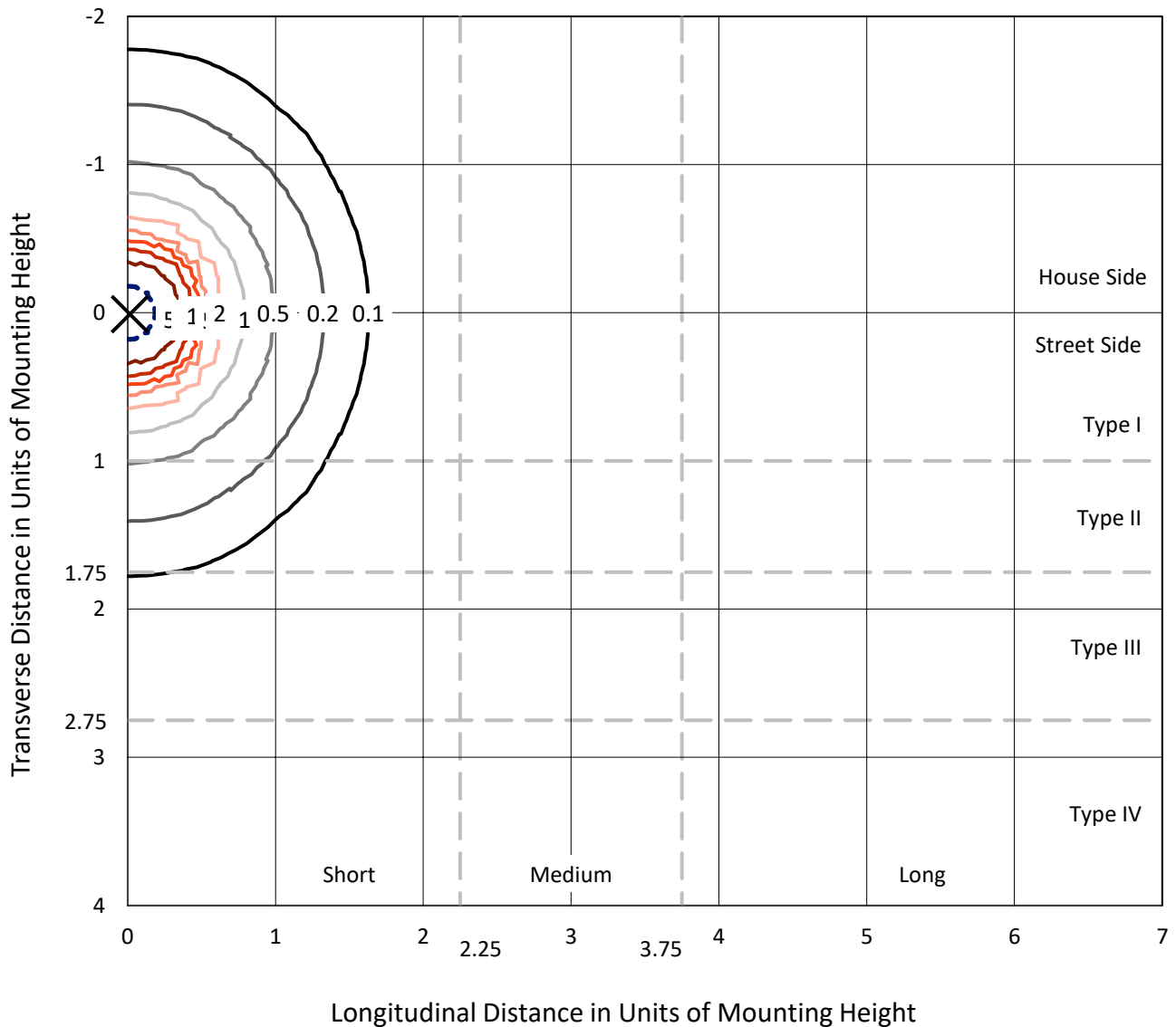
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

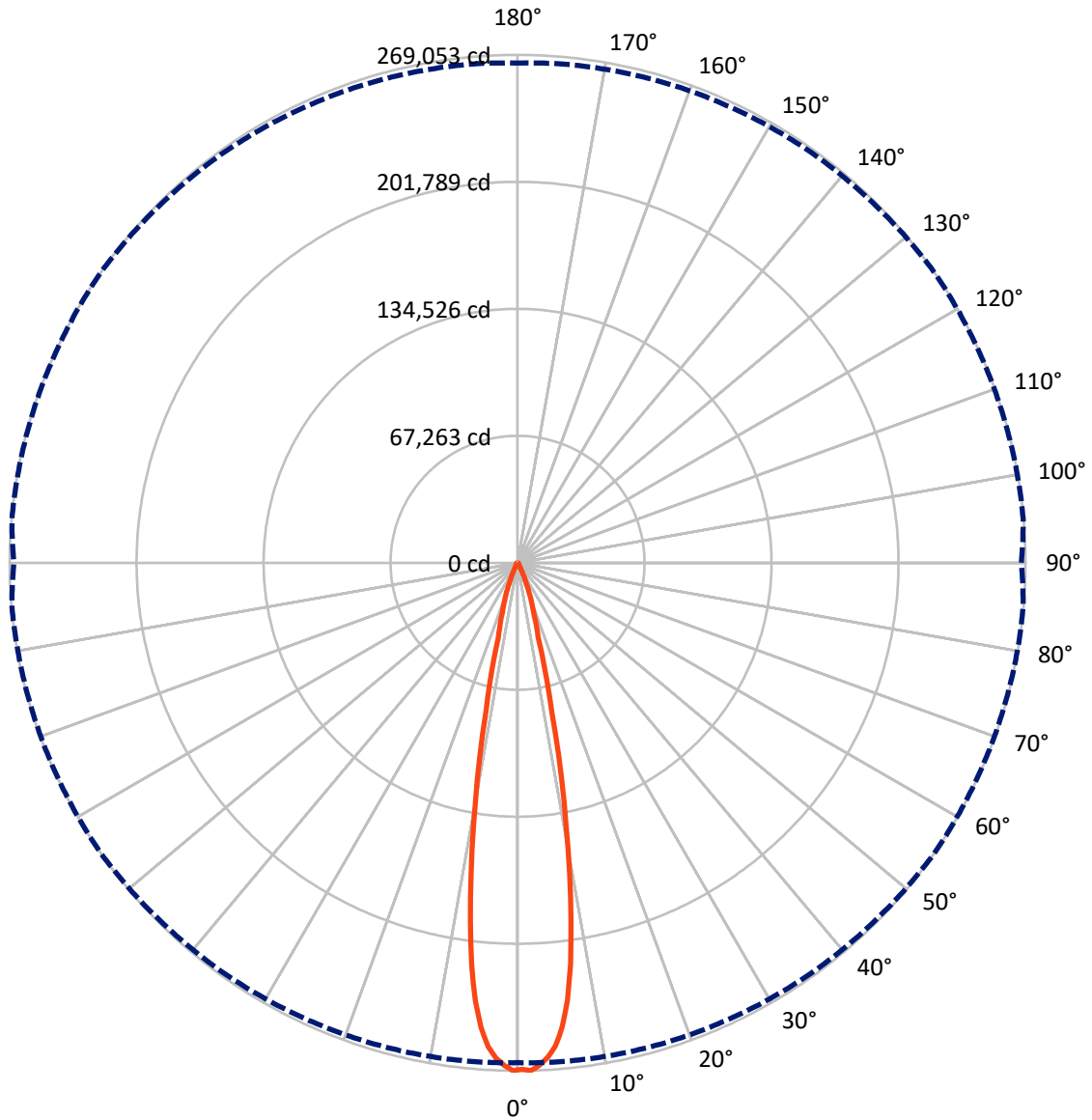
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 670.9 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	19518.3	0.0	19518.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19518.3	0.0	19518.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	39036.6	0.0	39036.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19833.5	50.8
10°-20°	14056.2	36.0
20°-30°	3293.6	8.4
30°-40°	688.4	1.8
40°-50°	444.1	1.1
50°-60°	328.9	0.8
60°-70°	223.6	0.6
70°-80°	119.3	0.3
80°-90°	48.9	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°	39036.6	100.0
0°-180°	39036.6	100.0

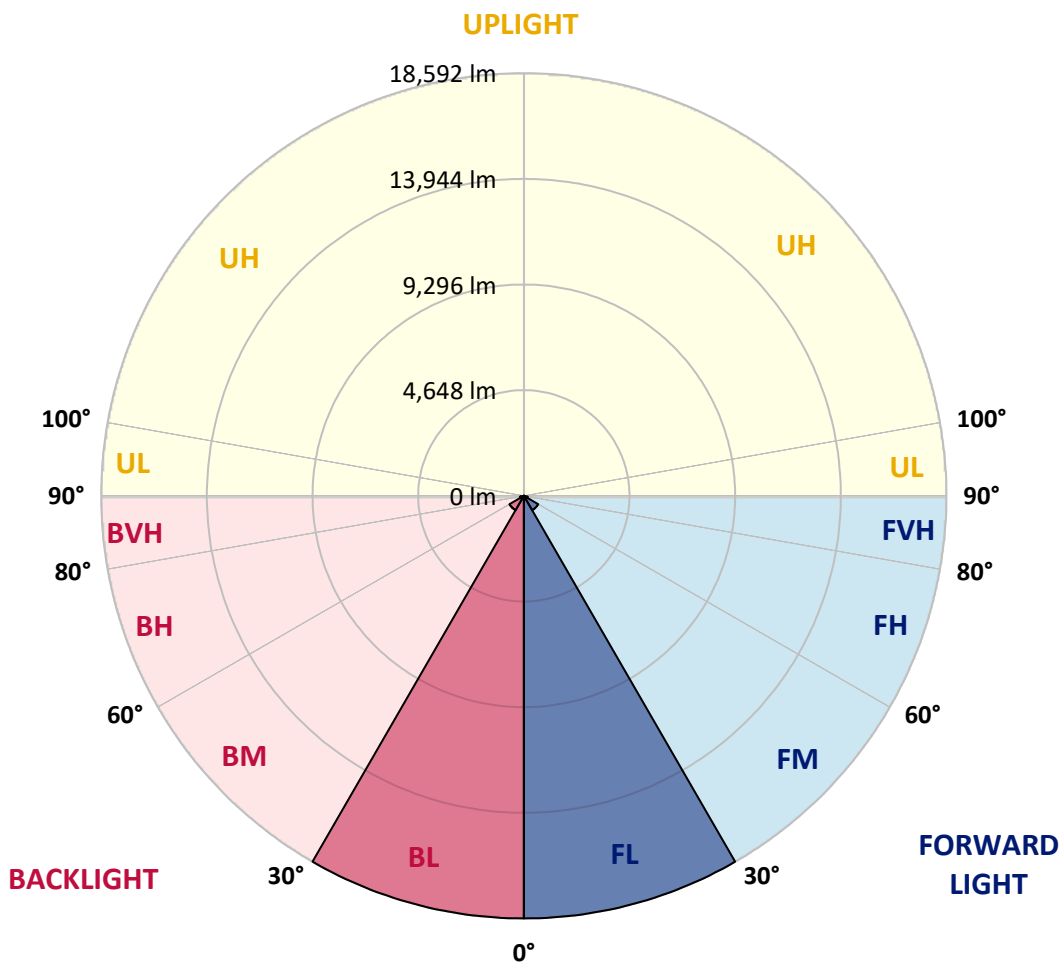


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18591.7	47.6			
FM (30°-60°)	730.7	1.9			
FH (60°-80°)	171.5	0.4			G0/660
FVH (80°-90°)	24.4	0.1			G1/100
BL (0°-30°)	18591.7	47.6	B5		
BM (30°-60°)	730.7	1.9	B1/1000		
BH (60°-80°)	171.5	0.4	B1/500		G0/660
BVH (80°-90°)	24.4	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°	268362.3	268362.3	268362.3	268362.3	268362.3	268362.3	268362.3	268362.3	268362.3	268362.3
1°	264751.7	265241.9	265842.5	266387.9	267209.4	267879.0	269052.6	268804.1	268769.6	268817.9
2°	259622.4	260236.8	261161.9	261707.2	263826.6	264696.5	266470.7	266995.4	266574.3	267050.6
3°	251938.7	252442.7	253892.4	254962.5	257710.1	260057.3	262432.1	263219.1	262729.0	262949.9
4°	242791.5	243309.2	245062.8	247244.3	251213.8	253816.5	256660.7	257364.9	255763.3	255873.7
5°	231904.6	232146.2	234293.2	236281.4	241031.1	244186.0	246885.3	247106.2	245642.7	245083.5
6°	219657.6	219222.7	221197.1	222039.4	227941.9	231159.0	233133.4	232878.0	231766.5	231290.1
7°	205104.9	204511.2	206105.9	205650.3	210876.3	212712.6	214611.1	213741.3	212857.6	213955.3
8°	188267.1	187935.8	186907.1	188771.1	189806.6	191449.7	191442.8	190938.8	190911.2	192740.6
9°	163787.1	166845.4	165941.0	167894.7	167632.4	167556.4	167052.5	166728.0	165347.3	167452.9
10°	136904.6	138906.6	140432.3	143345.6	142779.5	143580.3	140777.5	141253.8	140335.7	142075.4
12.5°	70865.1	73115.7	74434.2	76657.2	79101.0	81600.1	80792.4	79957.1	78707.5	80240.1
15°	34883.7	35774.3	36195.4	38452.9	40192.6	40820.8	40917.4	40178.7	39861.2	40192.6
17.5°	21408.0	21718.6	22940.5	25536.3	27041.3	27414.1	27172.4	26364.7	25460.3	25080.7
20°	15498.5	15588.2	16050.8	16554.7	18563.7	19613.0	19226.4	18432.5	17597.2	17203.7
22.5°	10120.6	10210.4	10362.3	10638.4	11176.9	12474.7	12053.6	11515.1	10949.1	10831.7
25°	5730.0	5730.0	5888.7	6171.8	6572.2	6668.8	6751.7	6178.7	5916.4	5799.0
27.5°	3196.4	3217.1	3251.6	3362.0	3562.2	3541.5	3451.8	3299.9	3120.4	2934.0
30°	1767.3	1788.0	1808.7	1836.3	1870.9	1808.7	1753.5	1725.9	1650.0	1629.2
32.5°	1325.5	1325.5	1339.3	1332.4	1297.9	1221.9	1187.4	1228.8	1221.9	1187.4
35°	1090.8	1090.8	1104.6	1132.2	1063.1	1007.9	980.3	1035.5	1035.5	1014.8
37.5°	890.6	897.5	904.4	938.9	918.2	856.0	849.1	862.9	869.8	862.9
40°	780.1	773.2	773.2	780.1	766.3	752.5	738.7	731.8	738.7	731.8
42.5°	676.5	669.6	683.5	669.6	642.0	648.9	648.9	628.2	635.1	621.3
45°	593.7	586.8	593.7	579.9	559.2	566.1	566.1	538.5	538.5	531.6
47.5°	524.7	524.7	524.7	531.6	497.1	490.2	497.1	490.2	469.4	462.5
50°	455.6	462.5	469.4	483.2	448.7	434.9	434.9	434.9	421.1	414.2
52.5°	421.1	428.0	428.0	428.0	407.3	393.5	393.5	386.6	379.7	372.8
55°	407.3	407.3	407.3	379.7	372.8	365.9	345.2	338.3	331.4	331.4
57.5°	386.6	386.6	379.7	359.0	338.3	338.3	310.7	303.8	296.9	296.9
60°	345.2	345.2	345.2	338.3	310.7	303.8	276.1	262.3	255.4	255.4
62.5°	317.6	317.6	317.6	289.9	283.0	262.3	241.6	220.9	214.0	200.2
65°	289.9	289.9	289.9	262.3	248.5	227.8	200.2	179.5	165.7	145.0
67.5°	269.2	269.2	262.3	241.6	220.9	193.3	165.7	145.0	117.4	103.6
70°	234.7	234.7	227.8	214.0	193.3	172.6	138.1	110.5	89.7	69.0
72.5°	200.2	200.2	193.3	179.5	165.7	145.0	117.4	96.6	62.1	48.3
75°	165.7	165.7	158.8	145.0	138.1	124.3	103.6	75.9	48.3	20.7
77.5°	138.1	138.1	131.2	124.3	117.4	103.6	89.7	62.1	34.5	13.8
80°	103.6	110.5	110.5	110.5	96.6	89.7	82.8	62.1	27.6	6.9
82.5°	75.9	82.8	82.8	82.8	75.9	69.0	75.9	55.2	27.6	6.9
85°	55.2	55.2	62.1	62.1	62.1	62.1	82.8	62.1	20.7	6.9
87.5°	27.6	27.6	27.6	27.6	27.6	34.5	41.4	34.5	13.8	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°
268362.3
266891.8
265241.9
261293.0
254230.7
243916.8
230220.1
213617.0
187666.5
163524.7
137615.7
76091.1
38646.2
24549.1
16899.9
10590.1
5702.3
2940.9
1629.2
1166.7
1007.9
862.9
738.7
628.2
531.6
462.5
407.3
365.9
324.5
296.9
248.5
186.4
145.0
96.6
69.0
41.4
20.7
6.9
6.9
6.9
6.9
0.0
0.0

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