

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: P524397

Luminaire Tested: **IFLD-S-SA6E-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524397
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37826 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' 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: 24 FT

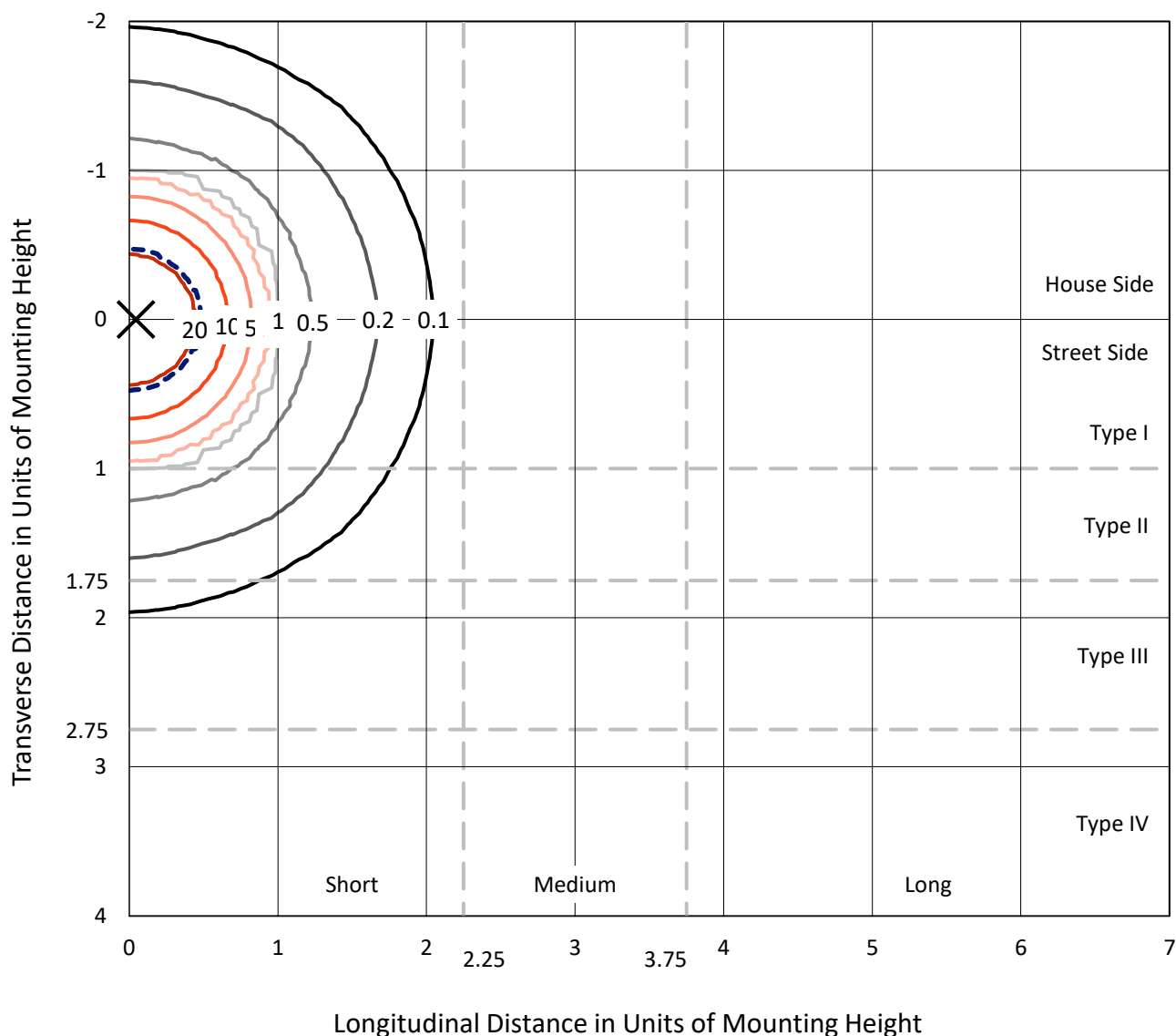
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

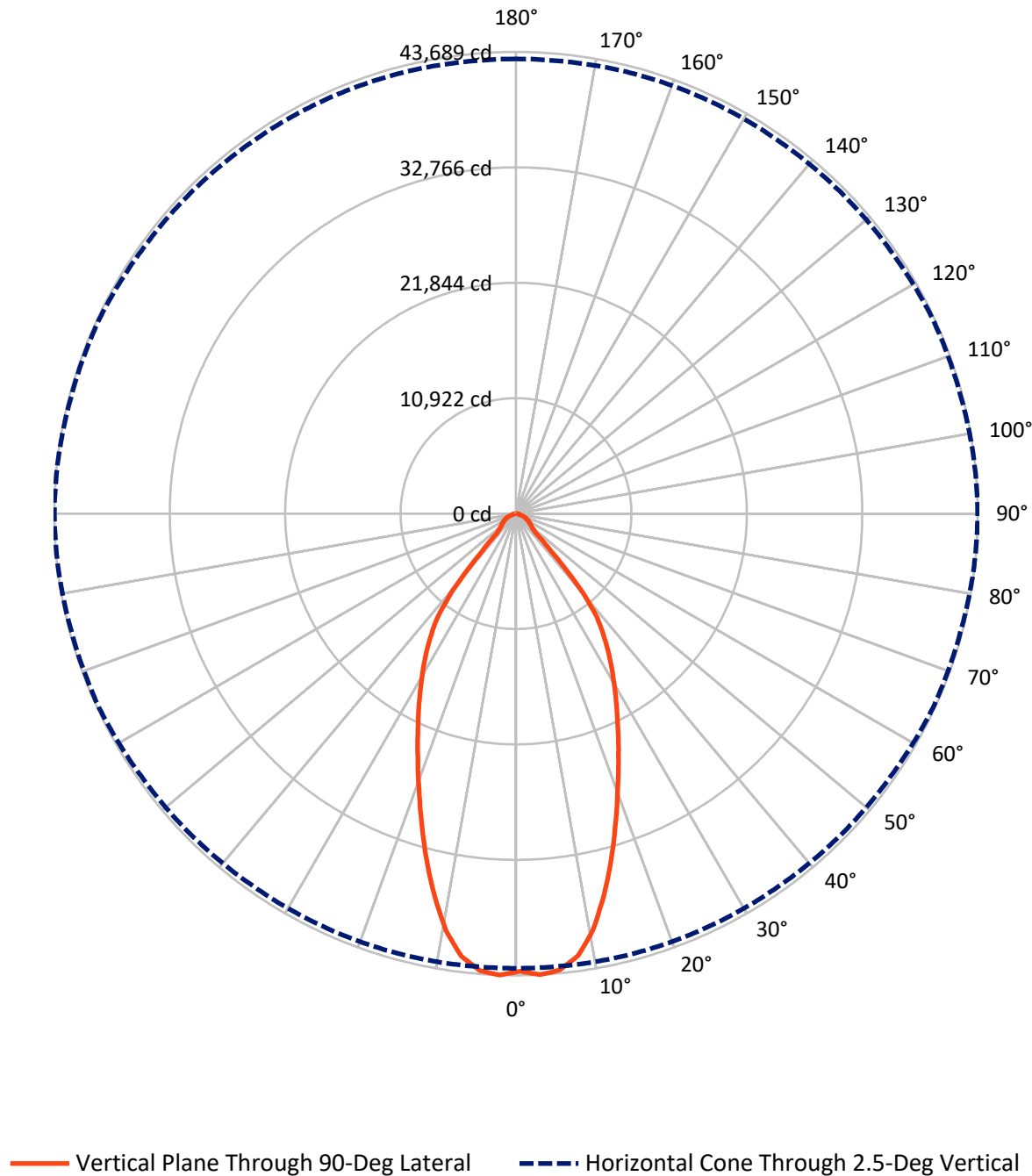


Based on 30 foot mounting height. Maximum calculated value = 48.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18913.0	0.0	18913.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18913.0	0.0	18913.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37826.0	0.0	37826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3991.6	10.6
10°-20°	9214.1	24.4
20°-30°	10116.3	26.7
30°-40°	8771.6	23.2
40°-50°	2886.2	7.6
50°-60°	1294.1	3.4
60°-70°	914.7	2.4
70°-80°	496.6	1.3
80°-90°	140.8	0.4
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°	37826.0	100.0
0°-180°	37826.0	100.0

Coefficient of Utilization



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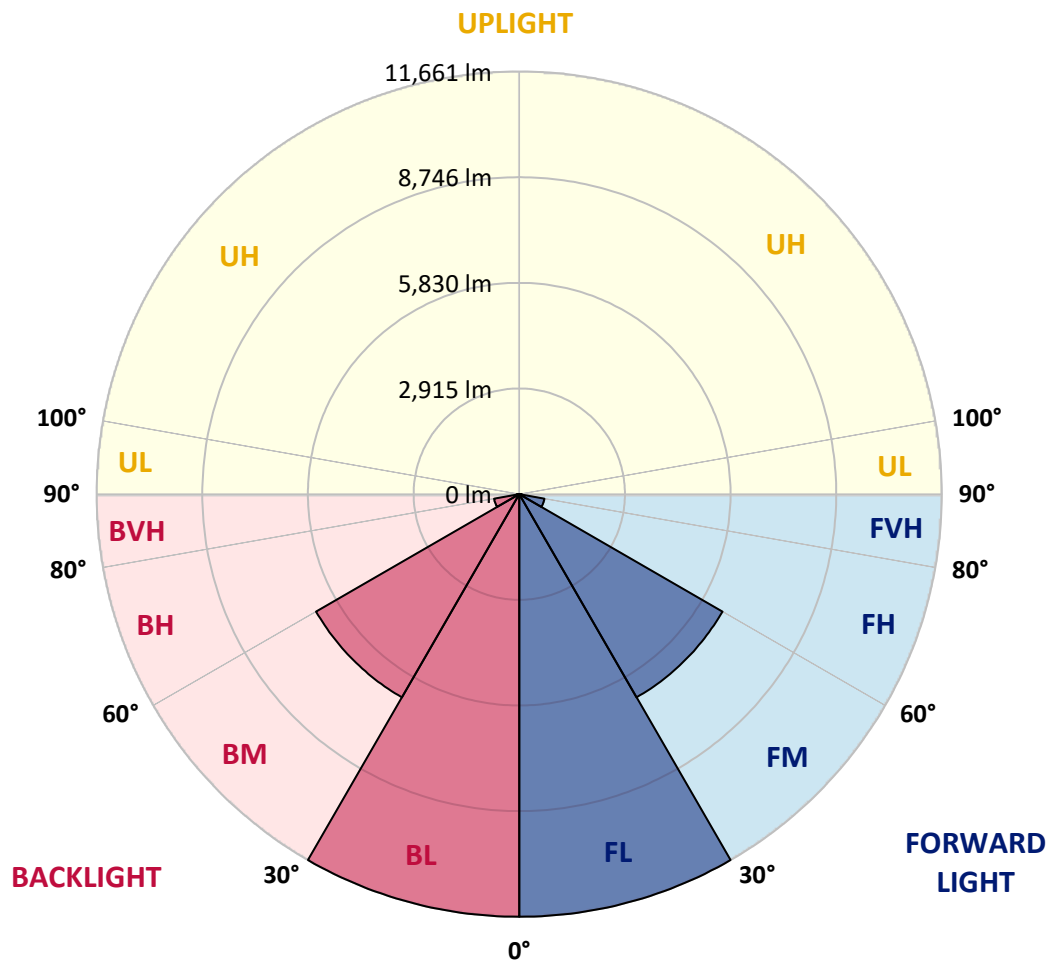
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11661.0	30.8			
FM	(30°-60°)	6475.9	17.1			
FH	(60°-80°)	705.7	1.9			G1/1800
FVH	(80°-90°)	70.4	0.2			G1/100
BL	(0°-30°)	11661.0	30.8	B5		
BM	(30°-60°)	6475.9	17.1	B4/8500		
BH	(60°-80°)	705.7	1.9	B2/1000		G1/1800
BVH	(80°-90°)	70.4	0.2			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°	43298.9	43298.9	43298.9	43298.9	43298.9	43298.9	43298.9	43298.9	43298.9	43298.9
2.5°	43029.5	43023.8	43092.6	43127.0	43144.2	43224.4	43304.6	43516.7	43522.4	43648.5
5°	42972.2	42920.6	42966.5	42897.7	42914.9	42914.9	43018.1	43172.8	43230.1	43356.2
7.5°	41694.2	41682.7	41654.1	41579.6	41671.3	41608.2	41797.3	41934.9	42066.7	42129.7
10°	39310.0	39201.1	39201.1	39098.0	39189.7	39103.7	39413.2	39539.3	39762.8	39894.6
12.5°	36226.7	36180.8	36186.5	36140.7	36135.0	36014.6	36375.7	36484.6	36685.1	36880.0
15°	32937.0	32868.2	32931.2	32931.2	32879.7	32770.8	33154.8	33303.8	33596.0	33687.7
17.5°	29687.4	29658.7	29698.9	29716.1	29675.9	29572.8	29945.3	30272.0	30472.6	30472.6
20°	26707.2	26695.7	26747.3	26695.7	26655.6	26586.8	26930.7	27245.9	27423.6	27435.1
22.5°	24088.1	24151.1	24105.3	24042.2	23956.2	23904.7	24219.9	24512.2	24632.5	24752.9
25°	21789.9	21807.1	21841.4	21744.0	21640.9	21577.8	21812.8	22059.2	22248.4	22317.1
27.5°	19898.6	19961.6	19875.7	19726.6	19669.3	19594.8	19761.0	19938.7	20076.2	20173.7
30°	18058.9	18093.3	18110.5	17955.7	17818.2	17709.3	17846.8	18001.6	18053.1	18139.1
32.5°	16293.7	16351.0	16408.3	16219.2	16121.7	16018.6	16087.4	16184.8	16213.4	16219.2
35°	14534.2	14494.1	14442.5	14373.7	14299.2	14173.2	14241.9	14276.3	14299.2	14299.2
37.5°	12408.0	12442.3	12453.8	12322.0	12287.6	12201.6	12247.5	12253.2	12299.1	12327.7
40°	9387.6	9508.0	9427.8	9347.5	9359.0	9255.8	9238.6	9215.7	9318.9	9359.0
42.5°	5106.5	5312.8	5100.7	5169.5	5117.9	5060.6	5043.4	5072.1	4940.3	4831.4
45°	2567.6	2556.1	2601.9	2601.9	2647.8	2665.0	2624.9	2590.5	2573.3	2527.4
47.5°	2068.9	2034.6	2028.8	2057.5	2091.9	2114.8	2080.4	2063.2	2057.5	2086.1
50°	1776.7	1725.1	1707.9	1748.0	1776.7	1799.6	1770.9	1770.9	1765.2	1811.0
52.5°	1547.4	1495.8	1495.8	1576.1	1599.0	1621.9	1604.7	1604.7	1604.7	1656.3
55°	1369.7	1329.6	1283.8	1386.9	1461.4	1484.4	1472.9	1467.2	1472.9	1530.2
57.5°	1232.2	1209.3	1180.6	1203.5	1318.2	1346.8	1341.1	1341.1	1352.6	1398.4
60°	1100.4	1088.9	1077.5	1077.5	1169.2	1220.7	1215.0	1215.0	1226.5	1255.1
62.5°	980.0	968.6	957.1	968.6	1003.0	1083.2	1083.2	1088.9	1106.1	1117.6
65°	859.7	853.9	853.9	859.7	871.1	934.2	957.1	974.3	991.5	997.2
67.5°	745.1	739.3	745.1	756.5	756.5	785.2	836.7	853.9	871.1	871.1
70°	601.8	630.4	647.6	653.4	664.8	670.5	716.4	750.8	768.0	745.1
72.5°	326.7	372.5	561.7	578.8	584.6	590.3	624.7	664.8	676.3	441.3
75°	235.0	235.0	470.0	498.6	504.3	504.3	533.0	573.1	584.6	338.1
77.5°	154.7	149.0	326.7	361.1	412.6	332.4	435.6	481.4	492.9	280.8
80°	120.4	114.6	252.2	280.8	286.6	229.2	355.3	389.7	395.4	229.2
82.5°	91.7	86.0	183.4	206.3	223.5	149.0	252.2	298.0	309.5	200.6
85°	51.6	51.6	91.7	86.0	131.8	97.4	143.3	149.0	200.6	126.1
87.5°	17.2	22.9	40.1	40.1	45.8	40.1	57.3	57.3	63.0	45.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

43298.9
43688.6
43379.1
42232.9
40037.9
37011.8
33813.8
30547.1
27498.1
24821.6
22363.0
20202.3
18156.3
16288.0
14368.0
12448.1
9410.6
4882.9
2567.6
2109.1
1868.4
1713.6
1564.6
1432.8
1278.0
1134.8
1008.7
871.1
659.1
378.3
332.4
275.1
206.3
206.3
120.4
34.4
0.0