

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: P524299

Luminaire Tested: **IFLD-S-SA2E-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524299
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11459.8 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 156.2
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

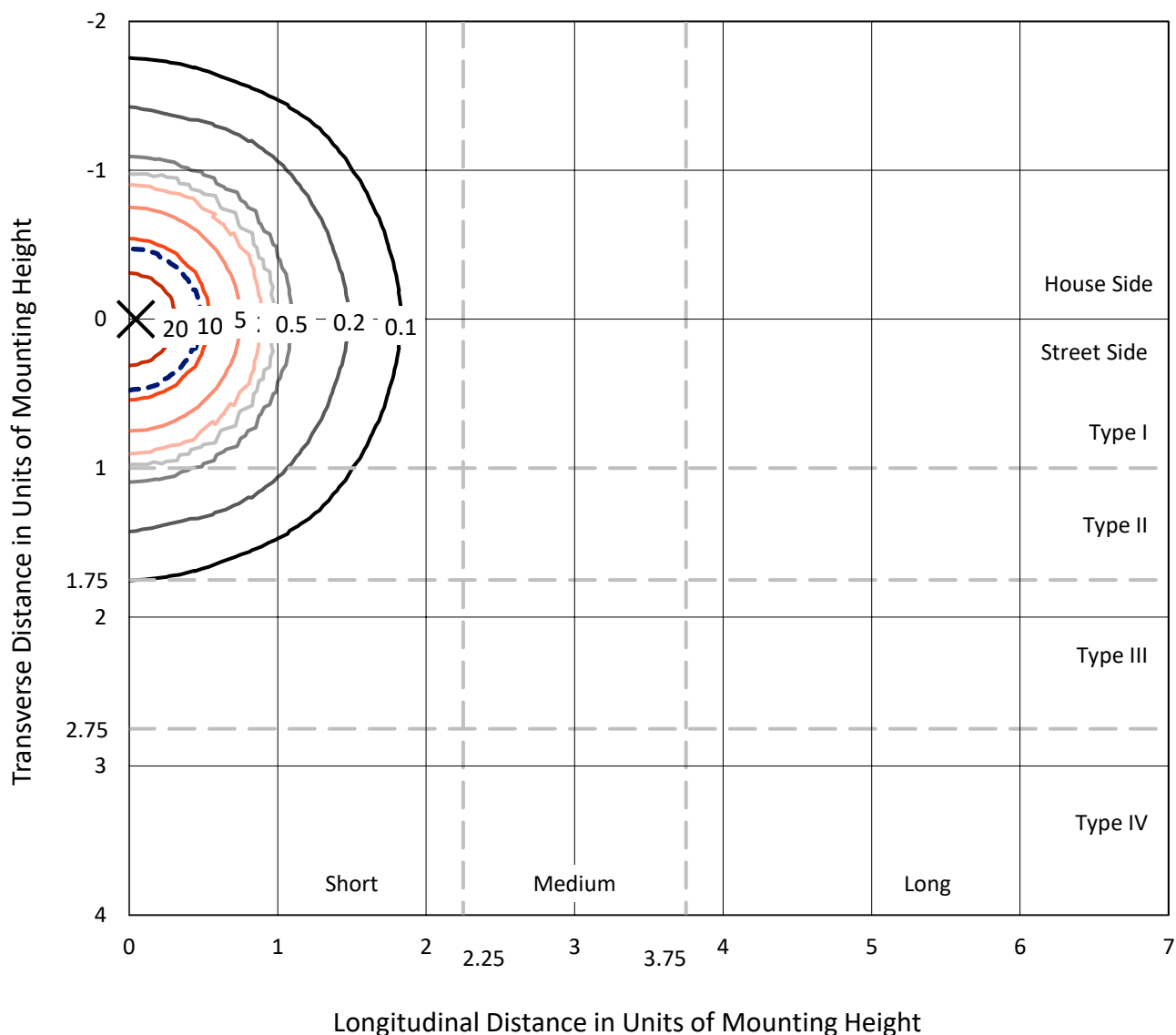
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

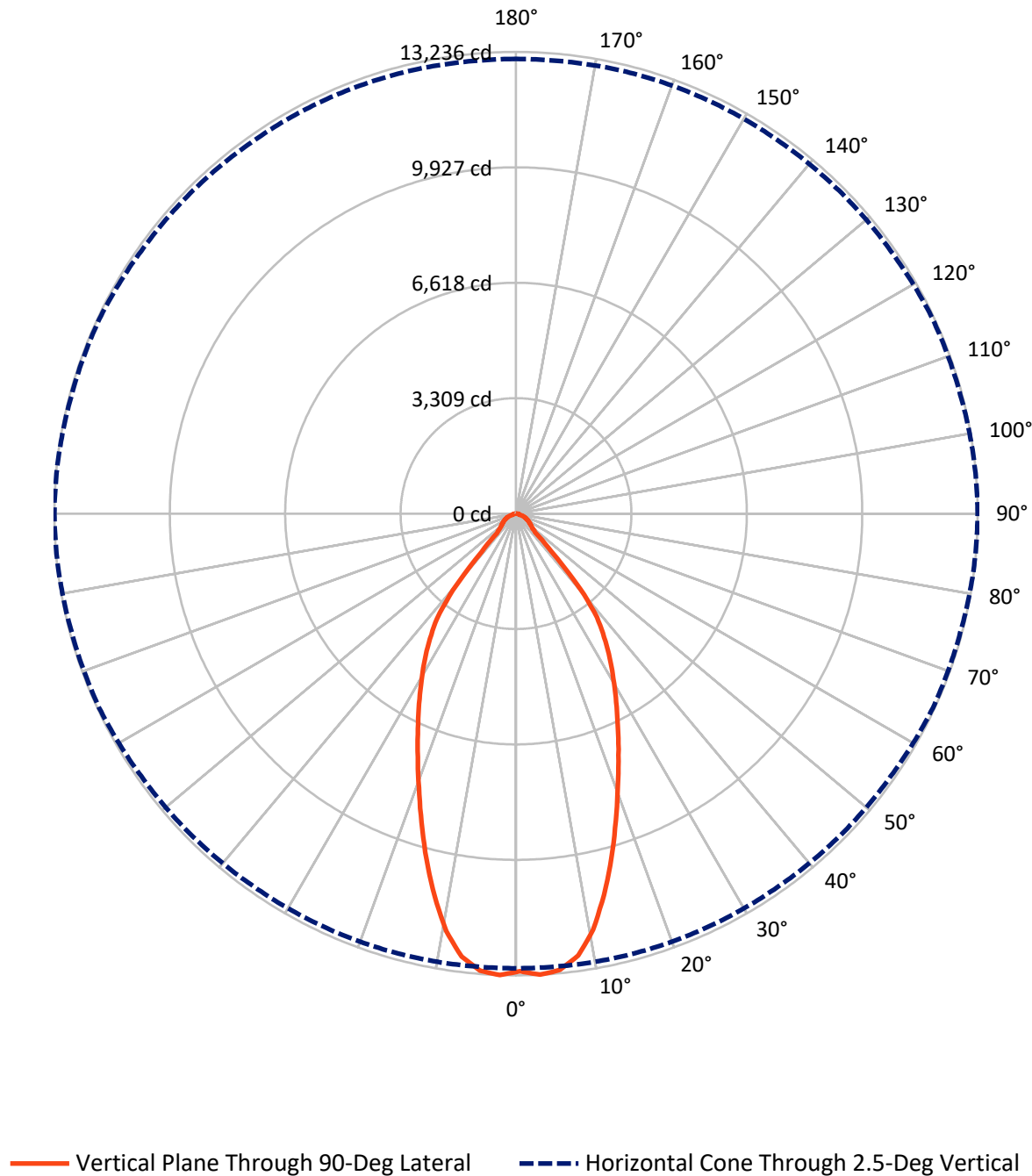


Based on 20 foot mounting height. Maximum calculated value = 32.8 fc

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	5729.9	0.0	5729.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5729.9	0.0	5729.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11459.8	0.0	11459.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1209.3	10.6
10°-20°	2791.5	24.4
20°-30°	3064.9	26.7
30°-40°	2657.5	23.2
40°-50°	874.4	7.6
50°-60°	392.1	3.4
60°-70°	277.1	2.4
70°-80°	150.5	1.3
80°-90°	42.7	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°	11459.8	100.0
0°-180°	11459.8	100.0

Coefficient of Utilization



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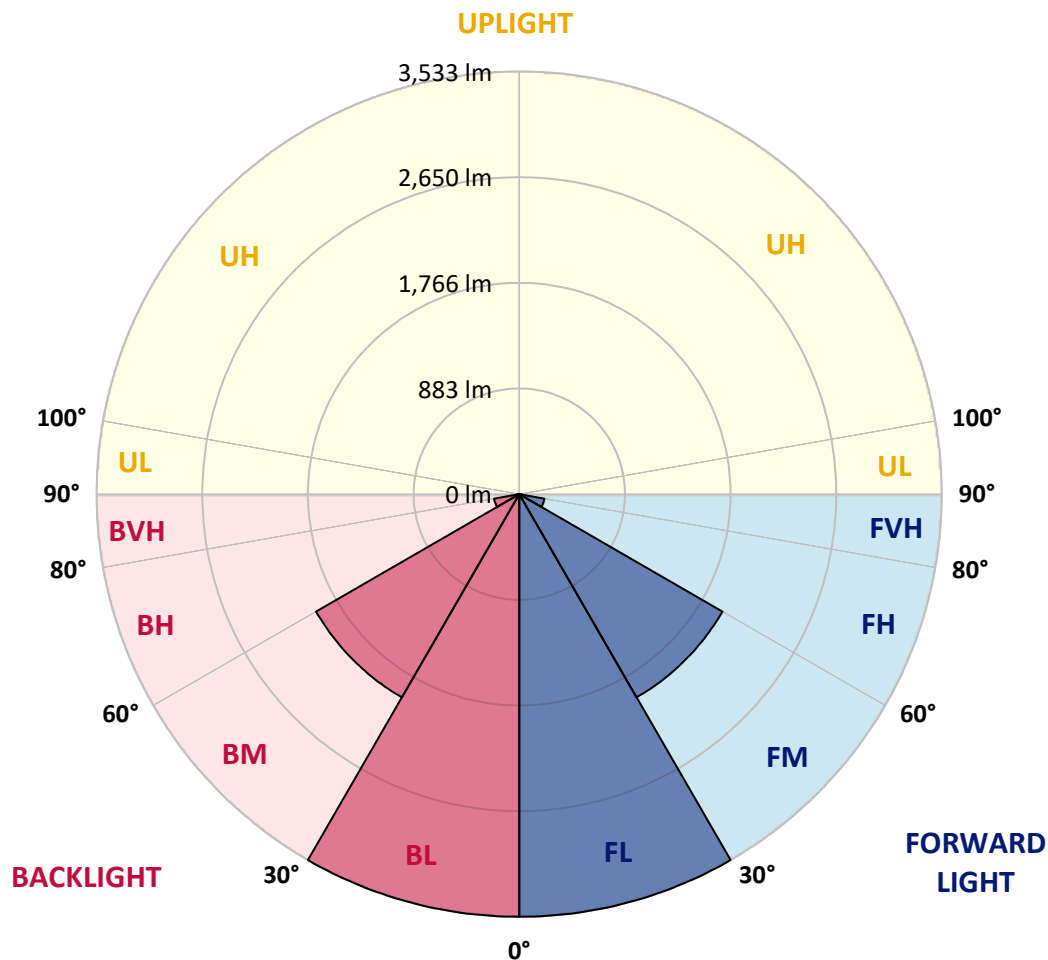
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3532.8	30.8			
FM	(30°-60°)	1962.0	17.1			
FH	(60°-80°)	213.8	1.9			G0/660
FVH	(80°-90°)	21.3	0.2			G1/100
BL	(0°-30°)	3532.8	30.8	B4/5000		
BM	(30°-60°)	1962.0	17.1	B2/2500		
BH	(60°-80°)	213.8	1.9	B1/500		G0/660
BVH	(80°-90°)	21.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13117.9	13117.9	13117.9	13117.9	13117.9	13117.9	13117.9	13117.9	13117.9	13117.9
2.5°	13036.3	13034.6	13055.4	13065.8	13071.0	13095.3	13119.6	13183.9	13185.6	13223.8
5°	13018.9	13003.3	13017.2	12996.4	13001.6	13001.6	13032.8	13079.7	13097.1	13135.3
7.5°	12631.7	12628.3	12619.6	12597.0	12624.8	12605.7	12663.0	12704.7	12744.6	12763.7
10°	11909.4	11876.4	11876.4	11845.2	11873.0	11846.9	11940.7	11978.9	12046.6	12086.5
12.5°	10975.3	10961.4	10963.1	10949.2	10947.5	10911.0	11020.4	11053.4	11114.2	11173.2
15°	9978.6	9957.8	9976.9	9976.9	9961.3	9928.3	10044.6	10089.8	10178.3	10206.1
17.5°	8994.1	8985.5	8997.6	9002.8	8990.7	8959.4	9072.3	9171.3	9232.0	9232.0
20°	8091.3	8087.8	8103.4	8087.8	8075.6	8054.8	8159.0	8254.5	8308.3	8311.8
22.5°	7297.8	7316.9	7303.0	7283.9	7257.8	7242.2	7337.7	7426.2	7462.7	7499.2
25°	6601.5	6606.7	6617.1	6587.6	6556.4	6537.3	6608.4	6683.1	6740.4	6761.2
27.5°	6028.5	6047.6	6021.6	5976.4	5959.1	5936.5	5986.8	6040.7	6082.3	6111.9
30°	5471.2	5481.6	5486.8	5439.9	5398.2	5365.2	5406.9	5453.8	5469.4	5495.5
32.5°	4936.4	4953.7	4971.1	4913.8	4884.3	4853.0	4873.9	4903.4	4912.1	4913.8
35°	4403.3	4391.2	4375.5	4354.7	4332.1	4293.9	4314.8	4325.2	4332.1	4332.1
37.5°	3759.1	3769.6	3773.0	3733.1	3722.7	3696.6	3710.5	3712.3	3726.1	3734.8
40°	2844.1	2880.6	2856.2	2831.9	2835.4	2804.2	2799.0	2792.0	2823.3	2835.4
42.5°	1547.1	1609.6	1545.3	1566.2	1550.5	1533.2	1528.0	1536.6	1496.7	1463.7
45°	777.9	774.4	788.3	788.3	802.2	807.4	795.2	784.8	779.6	765.7
47.5°	626.8	616.4	614.7	623.3	633.8	640.7	630.3	625.1	623.3	632.0
50°	538.3	522.6	517.4	529.6	538.3	545.2	536.5	536.5	534.8	548.7
52.5°	468.8	453.2	453.2	477.5	484.4	491.4	486.2	486.2	486.2	501.8
55°	415.0	402.8	388.9	420.2	442.8	449.7	446.2	444.5	446.2	463.6
57.5°	373.3	366.4	357.7	364.6	399.4	408.0	406.3	406.3	409.8	423.7
60°	333.4	329.9	326.4	326.4	354.2	369.8	368.1	368.1	371.6	380.3
62.5°	296.9	293.4	290.0	293.4	303.9	328.2	328.2	329.9	335.1	338.6
65°	260.4	258.7	258.7	260.4	263.9	283.0	290.0	295.2	300.4	302.1
67.5°	225.7	224.0	225.7	229.2	229.2	237.9	253.5	258.7	263.9	263.9
70°	182.3	191.0	196.2	197.9	201.4	203.1	217.0	227.5	232.7	225.7
72.5°	99.0	112.9	170.2	175.4	177.1	178.8	189.3	201.4	204.9	133.7
75°	71.2	71.2	142.4	151.1	152.8	152.8	161.5	173.6	177.1	102.4
77.5°	46.9	45.1	99.0	109.4	125.0	100.7	132.0	145.9	149.3	85.1
80°	36.5	34.7	76.4	85.1	86.8	69.5	107.7	118.1	119.8	69.5
82.5°	27.8	26.0	55.6	62.5	67.7	45.1	76.4	90.3	93.8	60.8
85°	15.6	15.6	27.8	26.0	39.9	29.5	43.4	45.1	60.8	38.2
87.5°	5.2	6.9	12.2	12.2	13.9	12.2	17.4	17.4	19.1	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13117.9
13236.0
13142.2
12795.0
12129.9
11213.2
10244.3
9254.6
8330.9
7520.0
6775.1
6120.5
5500.7
4934.6
4353.0
3771.3
2851.0
1479.3
777.9
639.0
566.0
519.2
474.0
434.1
387.2
343.8
305.6
263.9
199.7
114.6
100.7
83.3
62.5
62.5
36.5
10.4
0.0