

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: P524278

Luminaire Tested: **IFLD-S-SA6C-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524278
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26023.9 lumens
Efficiency: N/A
Efficacy: 80.9 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): 321.5
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

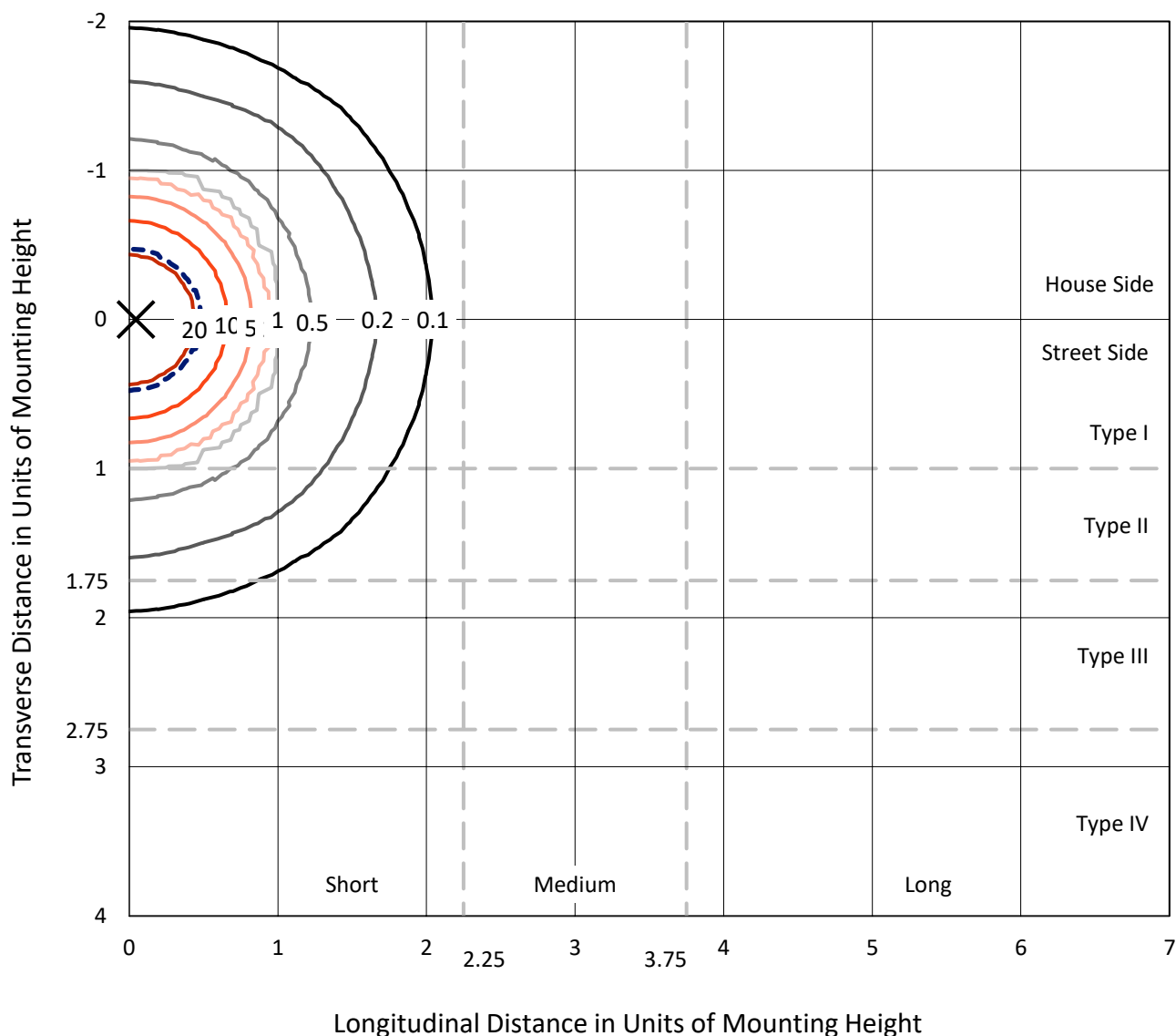
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

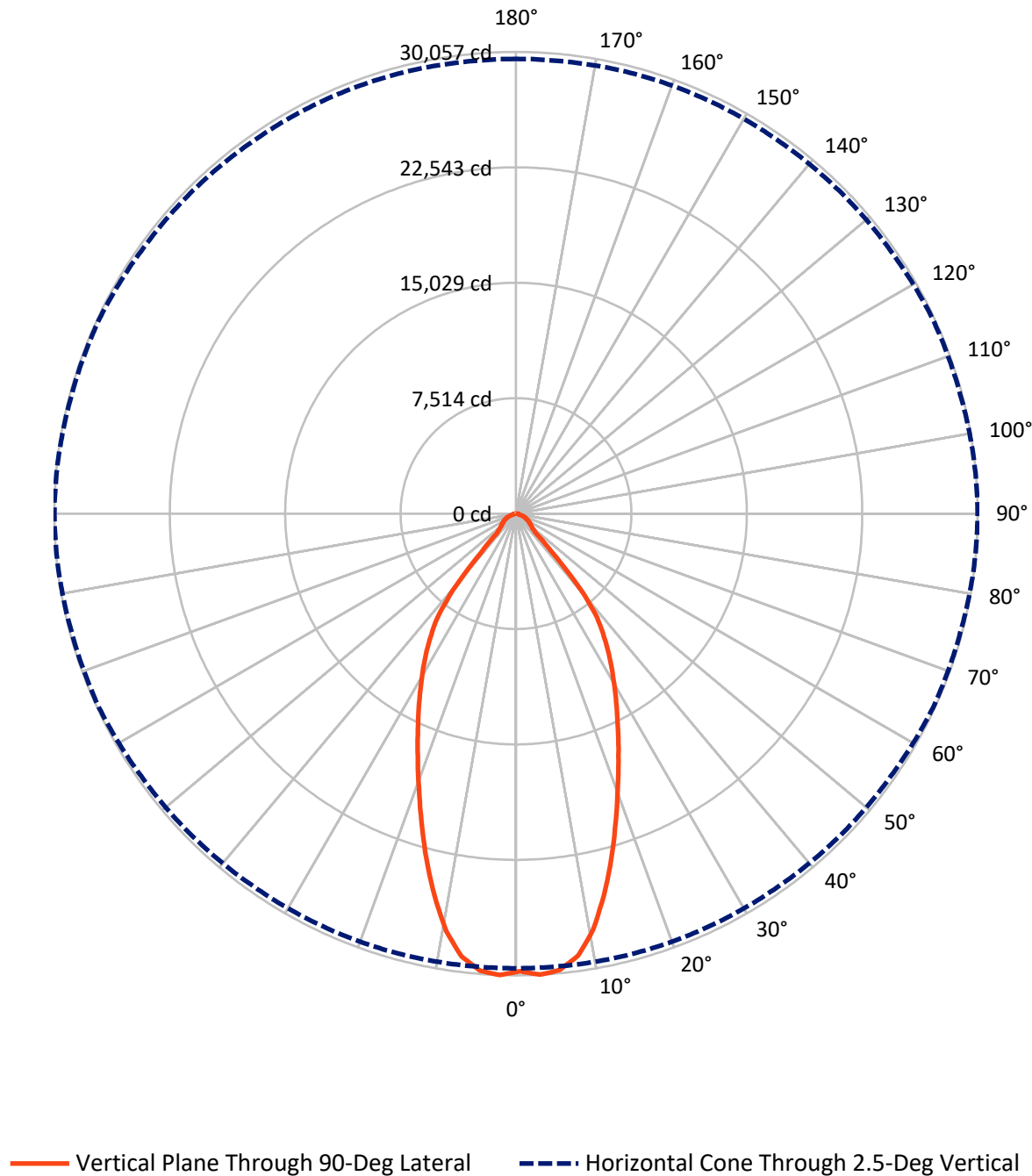


Based on 25 foot mounting height. Maximum calculated value = 47.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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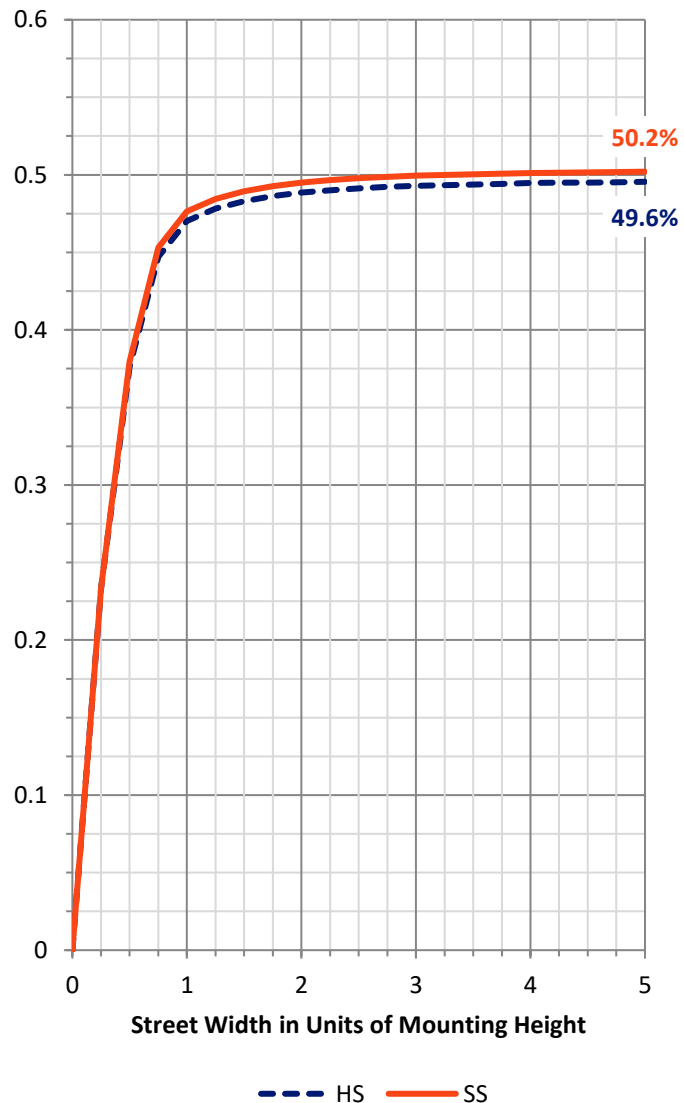
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13011.9	0.0	13011.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13011.9	0.0	13011.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	26023.9	0.0	26023.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2746.2	10.6
10°-20°	6339.2	24.4
20°-30°	6959.9	26.7
30°-40°	6034.7	23.2
40°-50°	1985.7	7.6
50°-60°	890.3	3.4
60°-70°	629.3	2.4
70°-80°	341.7	1.3
80°-90°	96.9	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°	26023.9	100.0
0°-180°	26023.9	100.0

Coefficient of Utilization



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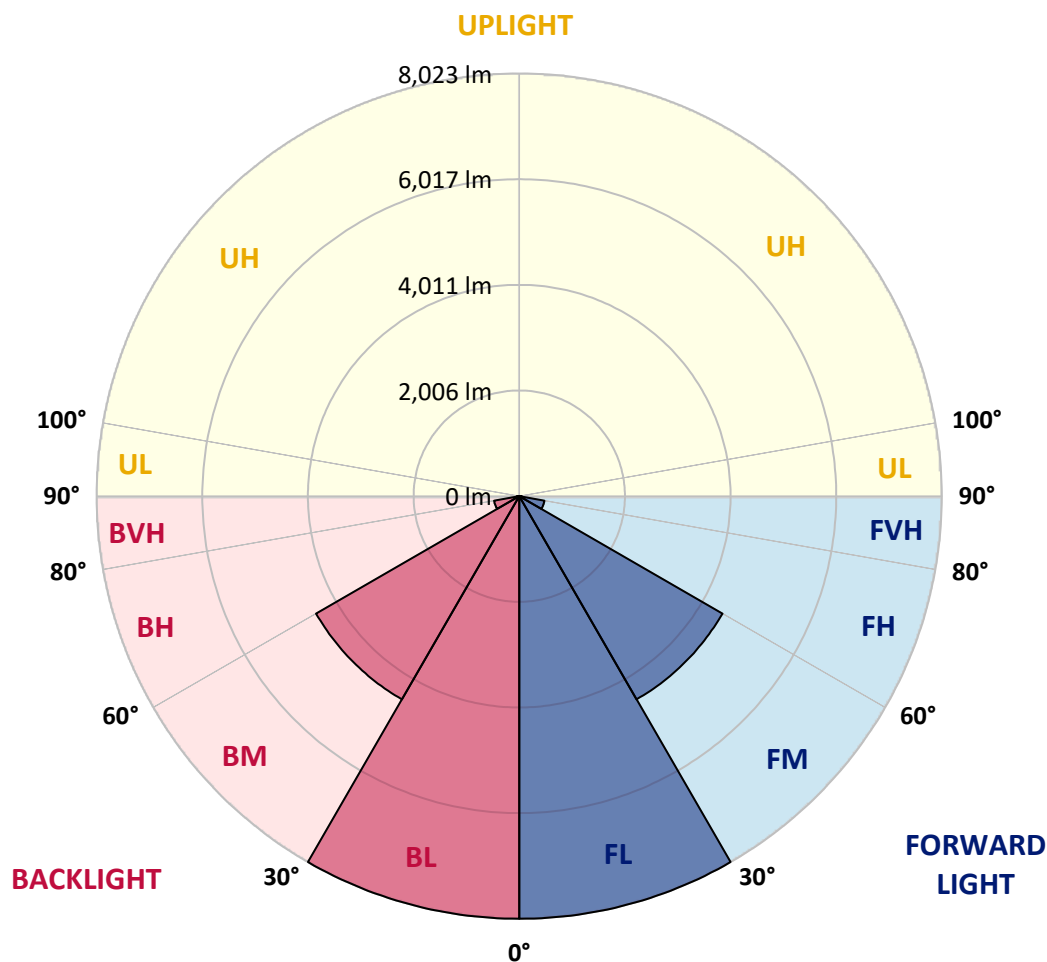
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8022.6	30.8			
FM	(30°-60°)	4455.4	17.1			
FH	(60°-80°)	485.5	1.9			G0/660
FVH	(80°-90°)	48.4	0.2			G1/100
BL	(0°-30°)	8022.6	30.8	B5		
BM	(30°-60°)	4455.4	17.1	B3/5000		
BH	(60°-80°)	485.5	1.9	B1/500		G0/660
BVH	(80°-90°)	48.4	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°	29789.2	29789.2	29789.2	29789.2	29789.2	29789.2	29789.2	29789.2	29789.2	29789.2
2.5°	29603.9	29599.9	29647.2	29670.9	29682.7	29737.9	29793.1	29939.0	29942.9	30029.7
5°	29564.4	29528.9	29560.5	29513.2	29525.0	29525.0	29596.0	29702.4	29741.9	29828.6
7.5°	28685.1	28677.3	28657.5	28606.3	28669.4	28626.0	28756.1	28850.7	28941.4	28984.8
10°	27044.9	26969.9	26969.9	26899.0	26962.1	26902.9	27115.8	27202.6	27356.4	27447.0
12.5°	24923.5	24892.0	24895.9	24864.4	24860.5	24777.7	25026.1	25101.0	25239.0	25373.0
15°	22660.3	22613.0	22656.3	22656.3	22620.8	22545.9	22810.1	22912.6	23113.7	23176.8
17.5°	20424.6	20404.9	20432.5	20444.3	20416.7	20345.7	20602.0	20826.8	20964.8	20964.8
20°	18374.3	18366.4	18401.9	18366.4	18338.8	18291.5	18528.0	18744.9	18867.1	18875.0
22.5°	16572.3	16615.7	16584.2	16540.8	16481.6	16446.1	16663.0	16864.1	16946.9	17029.7
25°	14991.2	15003.0	15026.7	14959.6	14888.7	14845.3	15007.0	15176.5	15306.6	15353.9
27.5°	13690.0	13733.4	13674.2	13571.7	13532.3	13481.0	13595.4	13717.6	13812.2	13879.3
30°	12424.3	12448.0	12459.8	12353.3	12258.7	12183.8	12278.4	12384.9	12420.4	12479.5
32.5°	11209.9	11249.3	11288.7	11158.6	11091.6	11020.6	11067.9	11135.0	11154.7	11158.6
35°	9999.4	9971.8	9936.3	9889.0	9837.7	9751.0	9798.3	9821.9	9837.7	9837.7
37.5°	8536.5	8560.2	8568.1	8477.4	8453.7	8394.6	8426.1	8430.1	8461.6	8481.3
40°	6458.6	6541.4	6486.2	6431.0	6438.9	6367.9	6356.1	6340.3	6411.3	6438.9
42.5°	3513.2	3655.1	3509.2	3556.6	3521.1	3481.6	3469.8	3489.5	3398.8	3323.9
45°	1766.5	1758.6	1790.1	1790.1	1821.7	1833.5	1805.9	1782.2	1770.4	1738.9
47.5°	1423.4	1399.8	1395.8	1415.5	1439.2	1455.0	1431.3	1419.5	1415.5	1435.2
50°	1222.3	1186.8	1175.0	1202.6	1222.3	1238.1	1218.4	1218.4	1214.4	1246.0
52.5°	1064.6	1029.1	1029.1	1084.3	1100.1	1115.9	1104.0	1104.0	1104.0	1139.5
55°	942.4	914.8	883.2	954.2	1005.5	1021.2	1013.3	1009.4	1013.3	1052.8
57.5°	847.7	832.0	812.3	828.0	906.9	926.6	922.7	922.7	930.5	962.1
60°	757.1	749.2	741.3	741.3	804.4	839.9	835.9	835.9	843.8	863.5
62.5°	674.2	666.4	658.5	666.4	690.0	745.2	745.2	749.2	761.0	768.9
65°	591.4	587.5	587.5	591.4	599.3	642.7	658.5	670.3	682.1	686.1
67.5°	512.6	508.6	512.6	520.5	520.5	540.2	575.7	587.5	599.3	599.3
70°	414.0	433.7	445.6	449.5	457.4	461.3	492.9	516.5	528.4	512.6
72.5°	224.7	256.3	386.4	398.2	402.2	406.1	429.8	457.4	465.3	303.6
75°	161.7	161.7	323.3	343.0	347.0	347.0	366.7	394.3	402.2	232.6
77.5°	106.5	102.5	224.7	248.4	283.9	228.7	299.7	331.2	339.1	193.2
80°	82.8	78.9	173.5	193.2	197.1	157.7	244.5	268.1	272.1	157.7
82.5°	63.1	59.1	126.2	141.9	153.8	102.5	173.5	205.0	212.9	138.0
85°	35.5	35.5	63.1	59.1	90.7	67.0	98.6	102.5	138.0	86.7
87.5°	11.8	15.8	27.6	27.6	31.5	27.6	39.4	39.4	43.4	31.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

29789.2
30057.3
29844.4
29055.8
27545.6
25463.7
23263.5
21016.1
18918.4
17077.0
15385.5
13899.0
12491.3
11205.9
9885.0
8564.1
6474.4
3359.4
1766.5
1451.0
1285.4
1178.9
1076.4
985.7
879.3
780.7
694.0
599.3
453.4
260.2
228.7
189.3
141.9
141.9
82.8
23.7
0.0