

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: P524279

Luminaire Tested: **IFLD-S-SA6D-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524279
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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: 28635.6 lumens
Efficiency: N/A
Efficacy: 77.8 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): 368.2
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

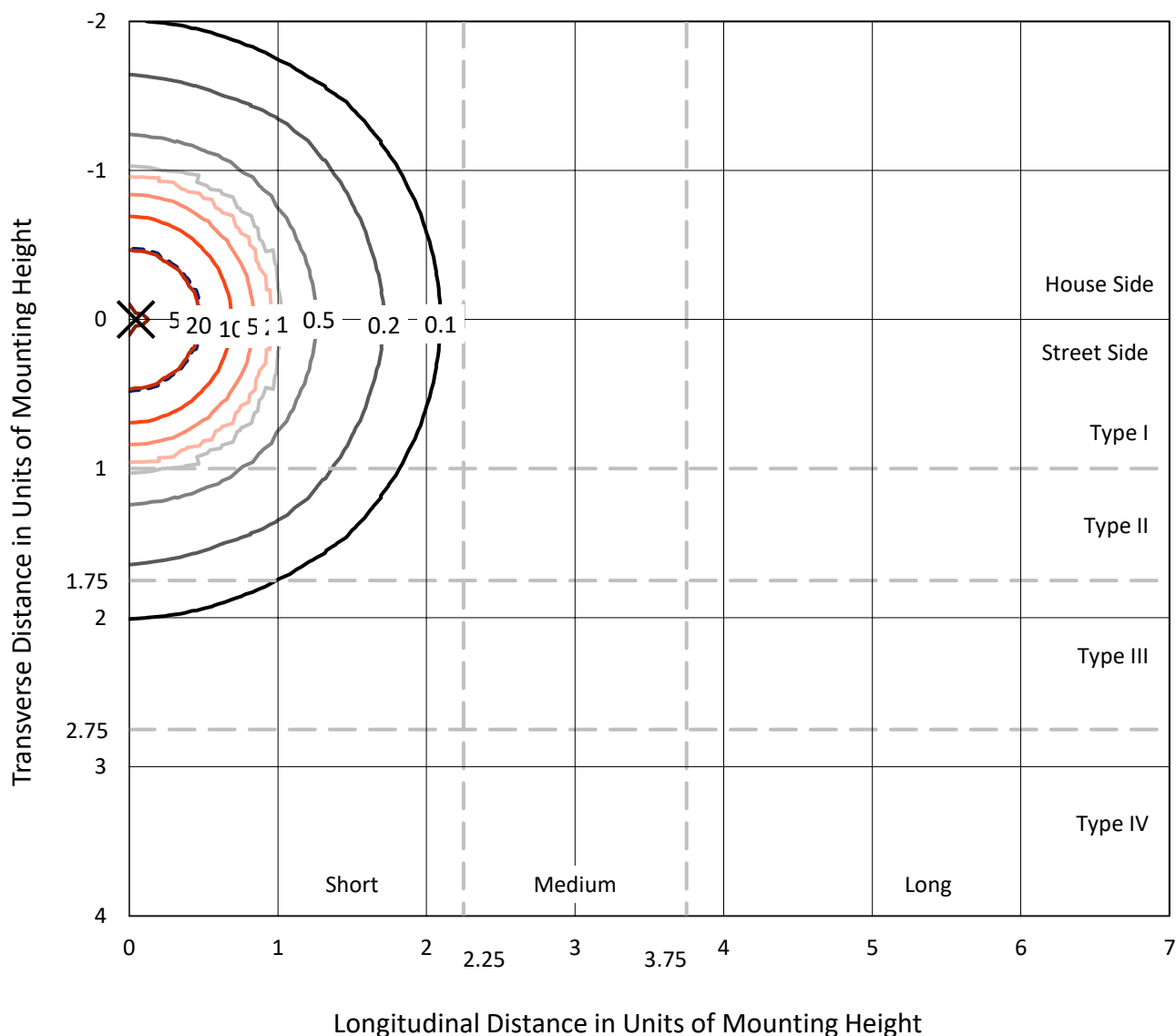
REPORT NUMBER: P524279

CATALOG NUMBER: IFLD-S-SA6D-927-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

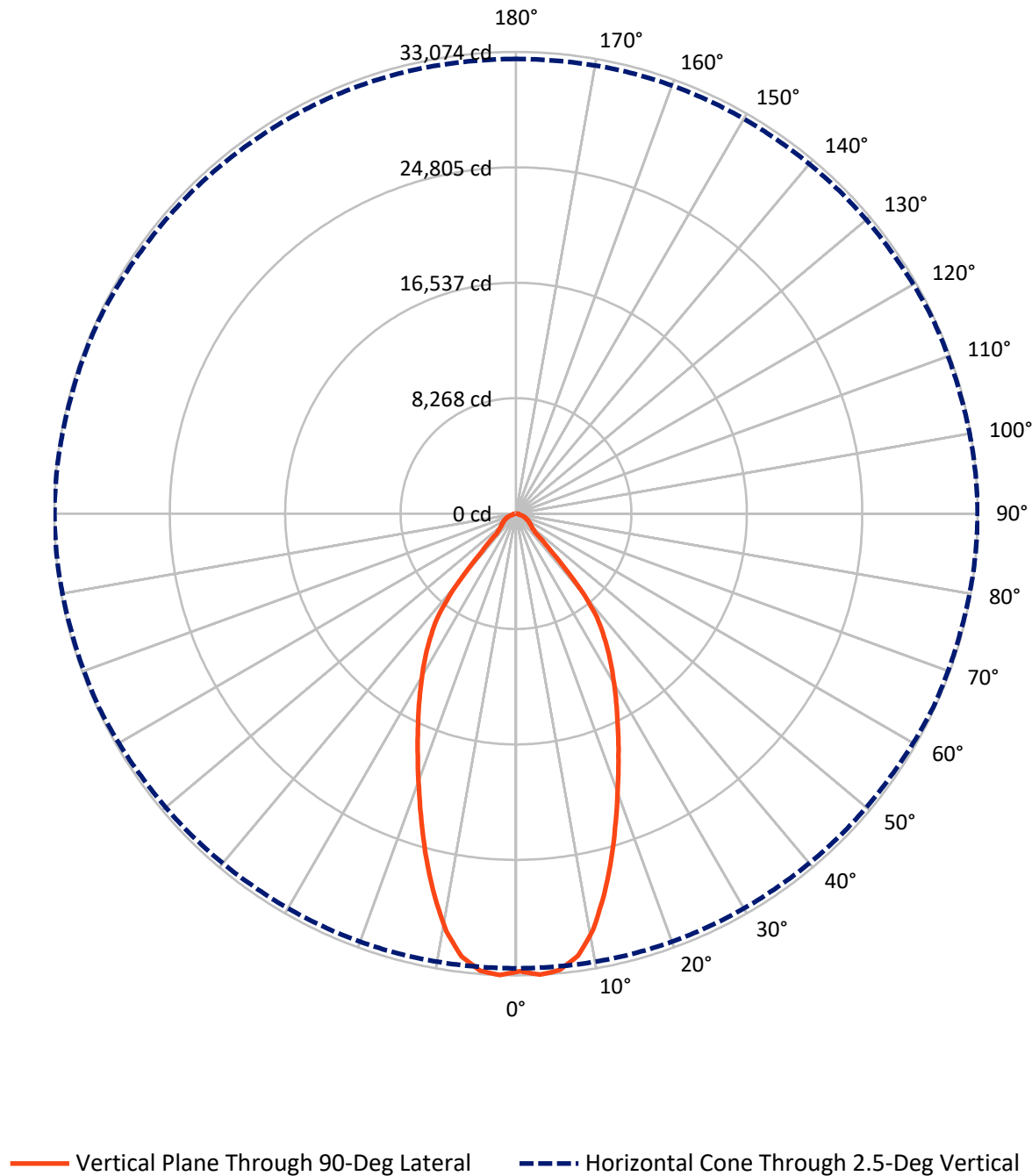


Based on 25 foot mounting height. Maximum calculated value = 52.4 fc

Type V - Short - N/A

REPORT NUMBER: P524279
CATALOG NUMBER: IFLD-S-SA6D-927-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524279

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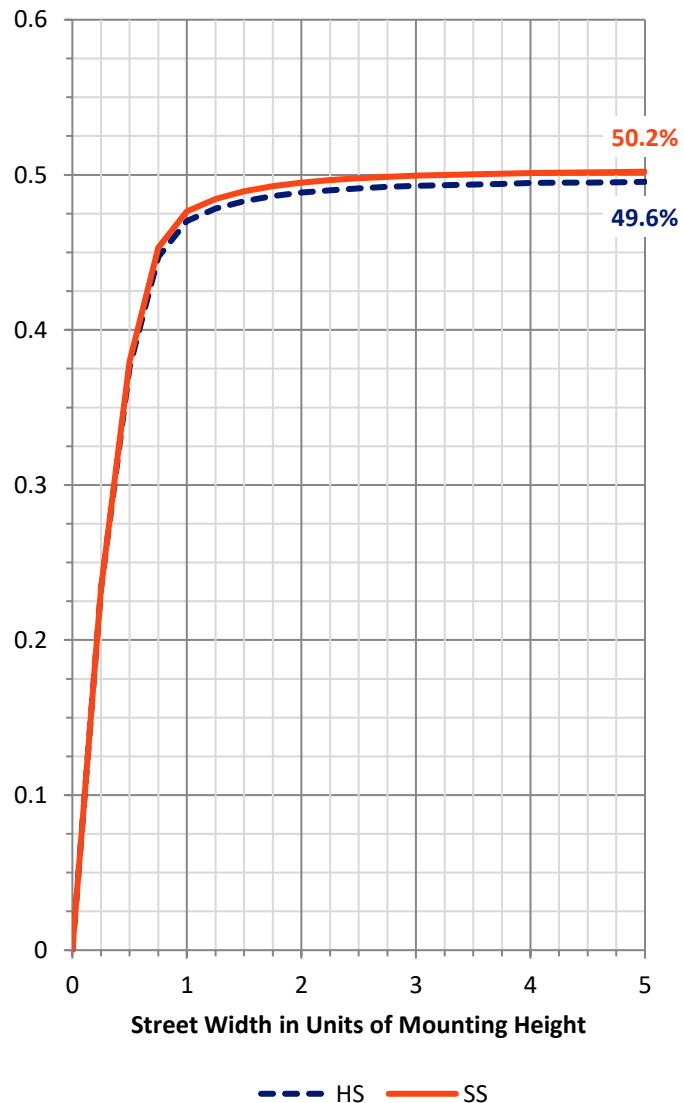
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14317.8	0.0	14317.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14317.8	0.0	14317.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	28635.6	0.0	28635.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3021.7	10.6
10°-20°	6975.4	24.4
20°-30°	7658.4	26.7
30°-40°	6640.4	23.2
40°-50°	2185.0	7.6
50°-60°	979.7	3.4
60°-70°	692.4	2.4
70°-80°	376.0	1.3
80°-90°	106.6	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°	28635.6	100.0
0°-180°	28635.6	100.0

Coefficient of Utilization



REPORT NUMBER: P524279

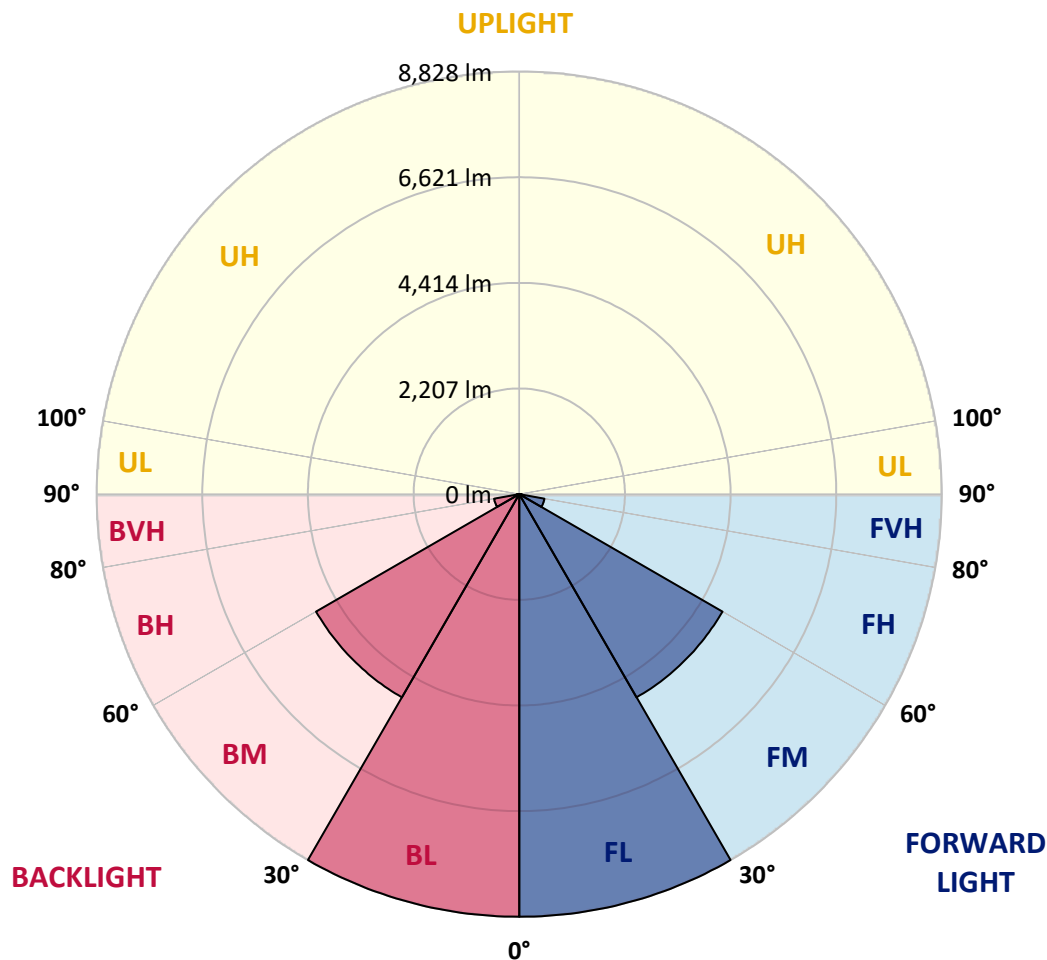
CATALOG NUMBER: IFLD-S-SA6D-927-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8827.8	30.8			
FM	(30°-60°)	4902.5	17.1			
FH	(60°-80°)	534.2	1.9			G0/660
FVH	(80°-90°)	53.3	0.2			G1/100
BL	(0°-30°)	8827.8	30.8	B5		
BM	(30°-60°)	4902.5	17.1	B3/5000		
BH	(60°-80°)	534.2	1.9	B2/1000		G0/660
BVH	(80°-90°)	53.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	32778.7	32778.7	32778.7	32778.7	32778.7	32778.7	32778.7	32778.7	32778.7	32778.7
2.5°	32574.8	32570.5	32622.5	32648.6	32661.6	32722.3	32783.1	32943.6	32947.9	33043.4
5°	32531.4	32492.4	32527.1	32475.0	32488.0	32488.0	32566.1	32683.3	32726.7	32822.1
7.5°	31563.9	31555.2	31533.5	31477.1	31546.5	31498.8	31642.0	31746.1	31845.9	31893.6
10°	29759.0	29676.6	29676.6	29598.5	29667.9	29602.8	29837.1	29932.6	30101.8	30201.5
12.5°	27424.8	27390.1	27394.4	27359.7	27355.4	27264.3	27537.6	27620.0	27771.9	27919.4
15°	24934.4	24882.3	24930.1	24930.1	24891.0	24808.6	25099.3	25212.1	25433.3	25502.8
17.5°	22474.4	22452.7	22483.0	22496.1	22465.7	22387.6	22669.6	22916.9	23068.8	23068.8
20°	20218.2	20209.6	20248.6	20209.6	20179.2	20127.1	20387.5	20626.1	20760.6	20769.3
22.5°	18235.5	18283.2	18248.5	18200.8	18135.7	18096.6	18335.3	18556.5	18647.6	18738.8
25°	16495.7	16508.7	16534.7	16461.0	16382.9	16335.1	16513.0	16699.6	16842.8	16894.8
27.5°	15063.9	15111.6	15046.5	14933.7	14890.3	14833.9	14959.8	15094.3	15198.4	15272.2
30°	13671.2	13697.2	13710.2	13593.1	13489.0	13406.5	13510.6	13627.8	13666.8	13731.9
32.5°	12334.9	12378.3	12421.6	12278.5	12204.7	12126.6	12178.7	12252.4	12274.1	12278.5
35°	11002.9	10972.5	10933.5	10881.4	10825.0	10729.6	10781.6	10807.7	10825.0	10825.0
37.5°	9393.2	9419.3	9428.0	9328.2	9302.1	9237.0	9271.8	9276.1	9310.8	9332.5
40°	7106.8	7197.9	7137.1	7076.4	7085.1	7007.0	6994.0	6976.6	7054.7	7085.1
42.5°	3865.8	4022.0	3861.4	3913.5	3874.4	3831.1	3818.0	3839.7	3739.9	3657.5
45°	1943.7	1935.1	1969.8	1969.8	2004.5	2017.5	1987.1	1961.1	1948.1	1913.4
47.5°	1566.3	1540.2	1535.9	1557.6	1583.6	1601.0	1574.9	1561.9	1557.6	1579.3
50°	1345.0	1305.9	1292.9	1323.3	1345.0	1362.3	1340.7	1340.7	1336.3	1371.0
52.5°	1171.4	1132.4	1132.4	1193.1	1210.5	1227.8	1214.8	1214.8	1214.8	1253.9
55°	1036.9	1006.6	971.9	1050.0	1106.4	1123.7	1115.0	1110.7	1115.0	1158.4
57.5°	932.8	915.5	893.8	911.1	997.9	1019.6	1015.3	1015.3	1023.9	1058.6
60°	833.0	824.3	815.7	815.7	885.1	924.1	919.8	919.8	928.5	950.2
62.5°	741.9	733.2	724.6	733.2	759.3	820.0	820.0	824.3	837.4	846.0
65°	650.8	646.5	646.5	650.8	659.5	707.2	724.6	737.6	750.6	754.9
67.5°	564.0	559.7	564.0	572.7	572.7	594.4	633.4	646.5	659.5	659.5
70°	455.6	477.3	490.3	494.6	503.3	507.6	542.3	568.4	581.4	564.0
72.5°	247.3	282.0	425.2	438.2	442.5	446.9	472.9	503.3	512.0	334.1
75°	177.9	177.9	355.8	377.5	381.8	381.8	403.5	433.9	442.5	256.0
77.5°	117.1	112.8	247.3	273.3	312.4	251.6	329.7	364.4	373.1	212.6
80°	91.1	86.8	190.9	212.6	216.9	173.5	269.0	295.0	299.4	173.5
82.5°	69.4	65.1	138.8	156.2	169.2	112.8	190.9	225.6	234.3	151.9
85°	39.0	39.0	69.4	65.1	99.8	73.8	108.5	112.8	151.9	95.5
87.5°	13.0	17.4	30.4	30.4	34.7	30.4	43.4	43.4	47.7	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

32778.7
33073.8
32839.5
31971.7
30310.0
28019.2
25598.2
23125.2
20817.0
18790.8
16929.5
15293.8
13744.9
12330.5
10877.1
9423.6
7124.1
3696.6
1943.7
1596.6
1414.4
1297.3
1184.5
1084.7
967.5
859.1
763.6
659.5
498.9
286.4
251.6
208.3
156.2
156.2
91.1
26.0
0.0