

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: P524357

Luminaire Tested: **IFLD-S-SA6D-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524357
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30034.5 lumens
Efficiency: N/A
Efficacy: 81.6 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

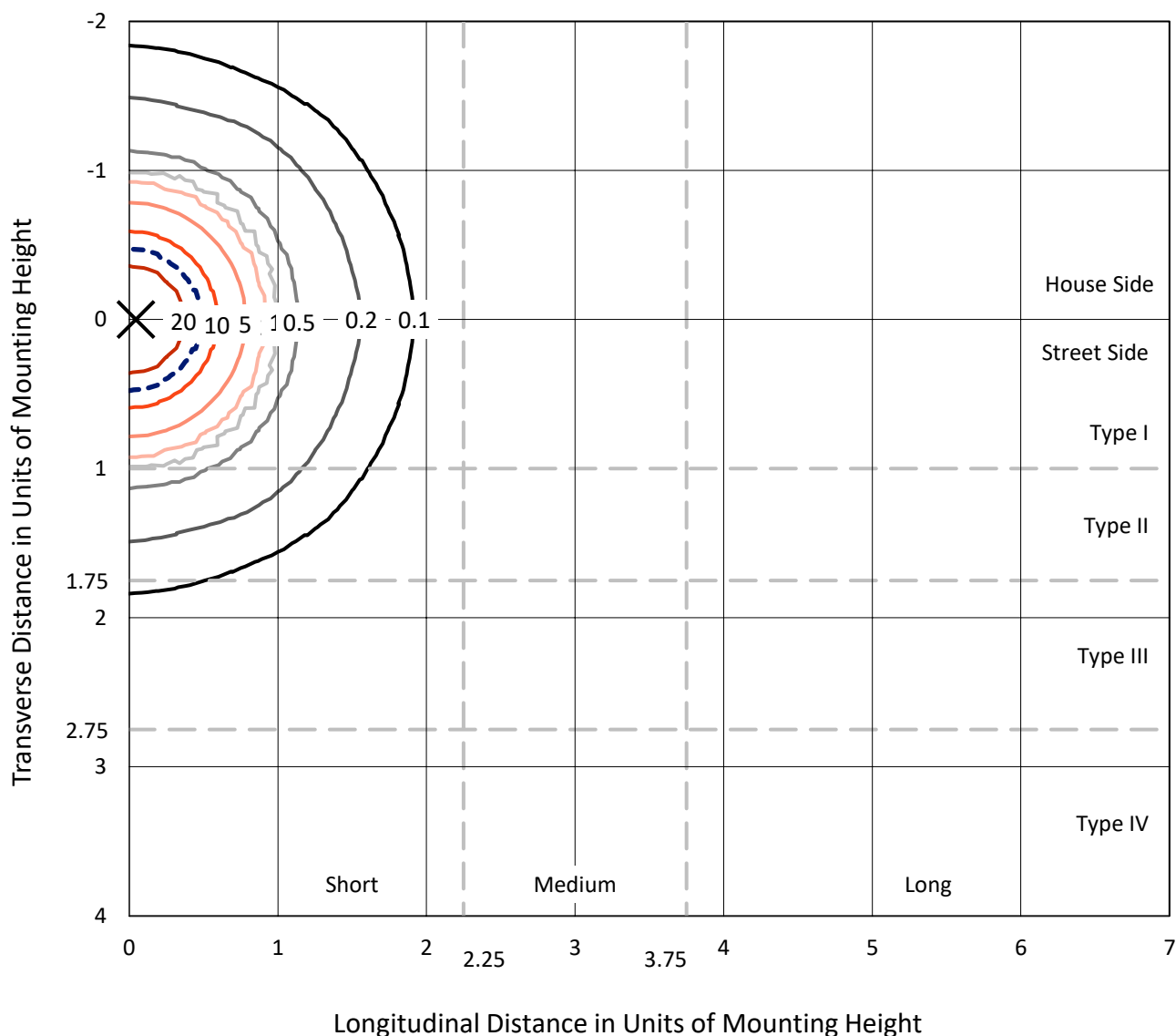
REPORT NUMBER: P524357

CATALOG NUMBER: IFLD-S-SA6D-935-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

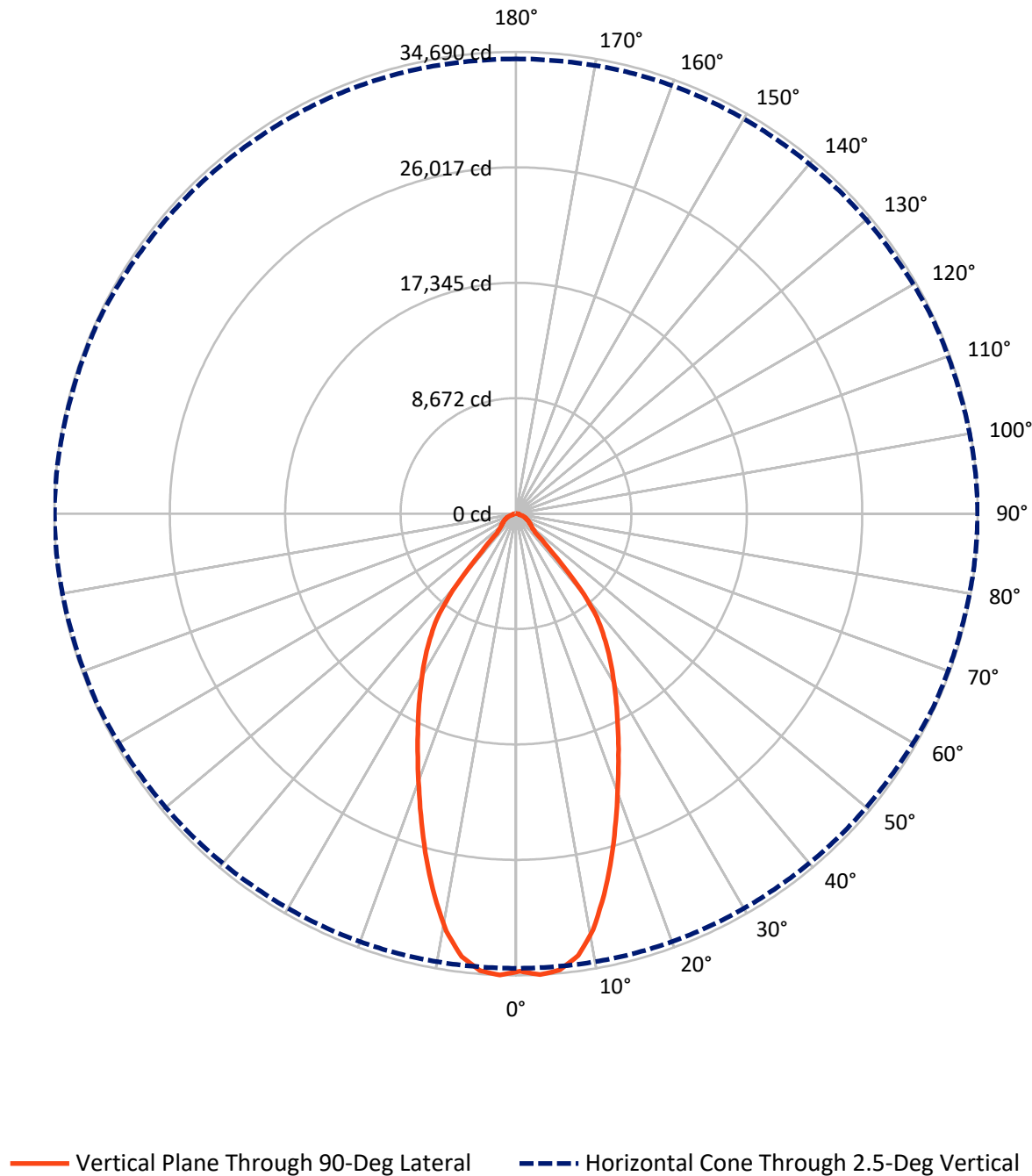


Based on 30 foot mounting height. Maximum calculated value = 38.2 fc

Type V - Short - N/A

REPORT NUMBER: P524357
CATALOG NUMBER: IFLD-S-SA6D-935-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524357

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15017.2	0.0	15017.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15017.2	0.0	15017.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	30034.5	0.0	30034.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3169.4	10.6
10°-20°	7316.2	24.4
20°-30°	8032.5	26.7
30°-40°	6964.8	23.2
40°-50°	2291.7	7.6
50°-60°	1027.5	3.4
60°-70°	726.3	2.4
70°-80°	394.3	1.3
80°-90°	111.8	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°	30034.5	100.0
0°-180°	30034.5	100.0

Coefficient of Utilization



REPORT NUMBER: P524357

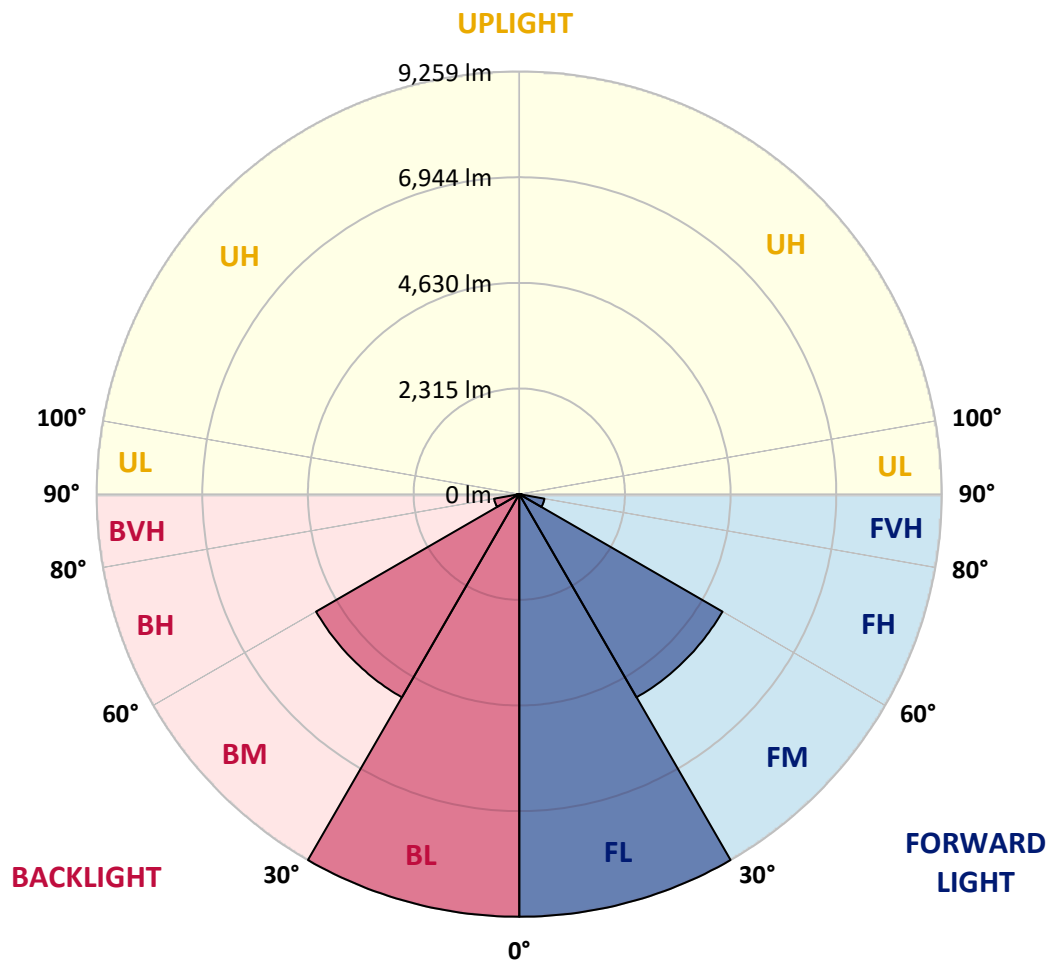
CATALOG NUMBER: IFLD-S-SA6D-935-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9259.0	30.8			
FM	(30°-60°)	5142.0	17.1			
FH	(60°-80°)	560.3	1.9			G0/660
FVH	(80°-90°)	55.9	0.2			G1/100
BL	(0°-30°)	9259.0	30.8	B5		
BM	(30°-60°)	5142.0	17.1	B4/8500		
BH	(60°-80°)	560.3	1.9	B2/1000		G0/660
BVH	(80°-90°)	55.9	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°	34380.1	34380.1	34380.1	34380.1	34380.1	34380.1	34380.1	34380.1	34380.1	34380.1
2.5°	34166.2	34161.6	34216.2	34243.5	34257.2	34320.9	34384.6	34553.0	34557.5	34657.6
5°	34120.7	34079.7	34116.1	34061.5	34075.2	34075.2	34157.1	34279.9	34325.5	34425.6
7.5°	33105.9	33096.8	33074.0	33014.9	33087.7	33037.6	33187.8	33297.0	33401.7	33451.7
10°	31212.8	31126.4	31126.4	31044.4	31117.3	31049.0	31294.7	31394.8	31572.3	31677.0
12.5°	28764.6	28728.2	28732.7	28696.3	28691.8	28596.2	28882.9	28969.4	29128.6	29283.3
15°	26152.5	26097.9	26148.0	26148.0	26107.0	26020.5	26325.4	26443.8	26675.8	26748.6
17.5°	23572.3	23549.5	23581.4	23595.1	23563.2	23481.3	23777.1	24036.5	24195.7	24195.7
20°	21206.0	21196.9	21237.8	21196.9	21165.0	21110.4	21383.4	21633.7	21774.8	21783.9
22.5°	19126.3	19176.4	19140.0	19089.9	19021.7	18980.7	19231.0	19463.1	19558.6	19654.2
25°	17301.5	17315.2	17342.5	17265.1	17183.2	17133.1	17319.7	17515.4	17665.6	17720.2
27.5°	15799.8	15849.9	15781.6	15663.3	15617.8	15558.6	15690.6	15831.7	15940.9	16018.2
30°	14339.1	14366.4	14380.0	14257.1	14147.9	14061.5	14170.7	14293.5	14334.5	14402.8
32.5°	12937.5	12983.0	13028.5	12878.3	12800.9	12719.0	12773.6	12851.0	12873.8	12878.3
35°	11540.4	11508.6	11467.6	11413.0	11353.8	11253.7	11308.3	11335.6	11353.8	11353.8
37.5°	9852.1	9879.4	9888.5	9783.9	9756.6	9688.3	9724.7	9729.3	9765.7	9788.4
40°	7453.9	7549.5	7485.8	7422.1	7431.2	7349.3	7335.6	7317.4	7399.3	7431.2
42.5°	4054.6	4218.4	4050.1	4104.7	4063.7	4018.2	4004.6	4027.3	3922.6	3836.2
45°	2038.7	2029.6	2066.0	2066.0	2102.4	2116.0	2084.2	2056.9	2043.2	2006.8
47.5°	1642.8	1615.5	1610.9	1633.7	1661.0	1679.2	1651.9	1638.2	1633.7	1656.4
50°	1410.7	1369.7	1356.1	1387.9	1410.7	1428.9	1406.1	1406.1	1401.6	1438.0
52.5°	1228.7	1187.7	1187.7	1251.4	1269.6	1287.8	1274.2	1274.2	1274.2	1315.1
55°	1087.6	1055.7	1019.3	1101.3	1160.4	1178.6	1169.5	1165.0	1169.5	1215.0
57.5°	978.4	960.2	937.4	955.6	1046.6	1069.4	1064.8	1064.8	1074.0	1110.4
60°	873.7	864.6	855.5	855.5	928.3	969.3	964.7	964.7	973.8	996.6
62.5°	778.2	769.1	760.0	769.1	796.4	860.1	860.1	864.6	878.3	887.4
65°	682.6	678.0	678.0	682.6	691.7	741.8	760.0	773.6	787.3	791.8
67.5°	591.6	587.0	591.6	600.7	600.7	623.4	664.4	678.0	691.7	691.7
70°	477.8	500.6	514.2	518.8	527.9	532.4	568.8	596.1	609.8	591.6
72.5°	259.4	295.8	446.0	459.6	464.2	468.7	496.0	527.9	537.0	350.4
75°	186.6	186.6	373.2	395.9	400.5	400.5	423.2	455.1	464.2	268.5
77.5°	122.9	118.3	259.4	286.7	327.6	263.9	345.8	382.3	391.4	223.0
80°	95.6	91.0	200.2	223.0	227.5	182.0	282.1	309.4	314.0	182.0
82.5°	72.8	68.3	145.6	163.8	177.5	118.3	200.2	236.6	245.7	159.3
85°	41.0	41.0	72.8	68.3	104.7	77.4	113.8	118.3	159.3	100.1
87.5°	13.7	18.2	31.9	31.9	36.4	31.9	45.5	45.5	50.1	36.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

34380.1
34689.5
34443.8
33533.6
31790.7
29388.0
26848.8
24254.9
21834.0
19708.8
17756.6
16041.0
14416.4
12932.9
11408.4
9884.0
7472.1
3877.1
2038.7
1674.6
1483.5
1360.6
1242.3
1137.7
1014.8
901.0
800.9
691.7
523.3
300.3
263.9
218.4
163.8
163.8
95.6
27.3
0.0