

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: P524411

Luminaire Tested: **IFLD-L-SA8D-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524411
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39202.1 lumens
Efficiency: N/A
Efficacy: 80.3 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): 488.3
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

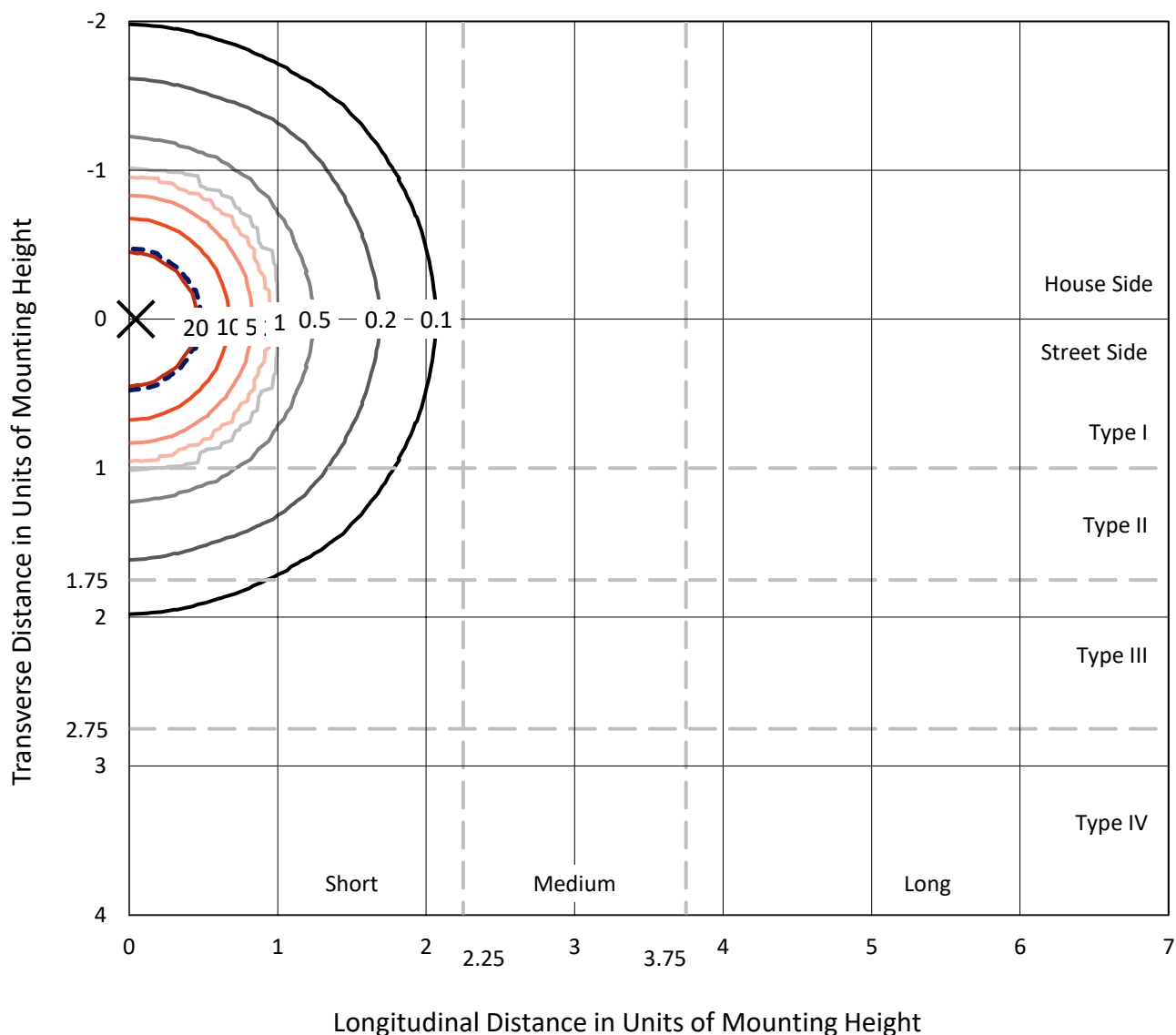
REPORT NUMBER: P524411

CATALOG NUMBER: IFLD-L-SA8D-940-U-55

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

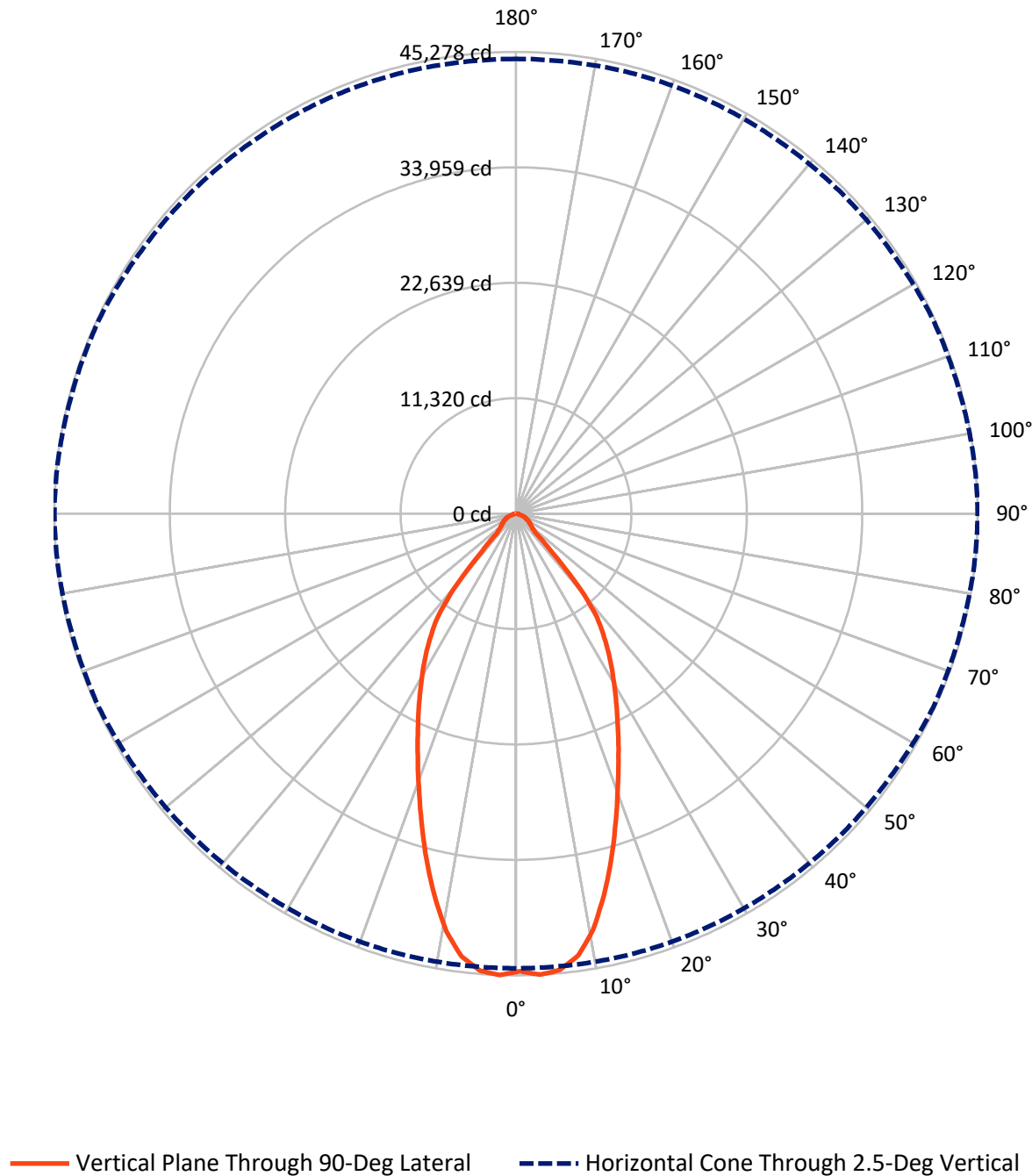


Based on 30 foot mounting height. Maximum calculated value = 49.9 fc

Type V - Short - N/A

REPORT NUMBER: P524411
CATALOG NUMBER: IFLD-L-SA8D-940-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524411

CATALOG NUMBER: IFLD-L-SA8D-940-U-55

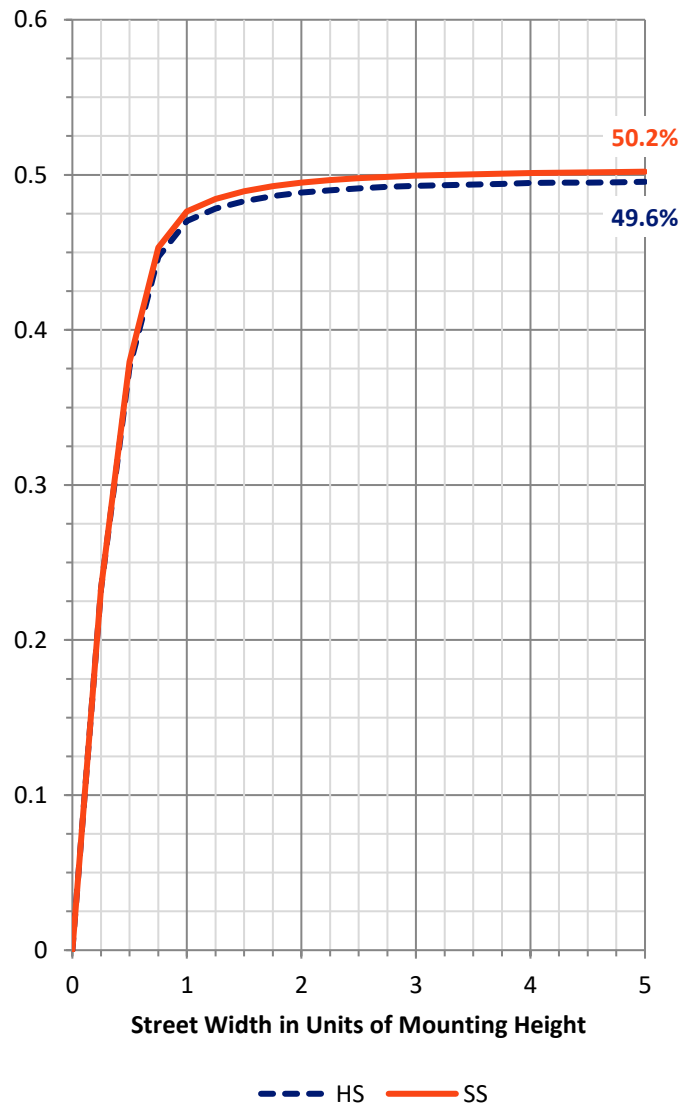
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19601.0	0.0	19601.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19601.0	0.0	19601.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39202.1	0.0	39202.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4136.8	10.6
10°-20°	9549.3	24.4
20°-30°	10484.3	26.7
30°-40°	9090.7	23.2
40°-50°	2991.2	7.6
50°-60°	1341.2	3.4
60°-70°	947.9	2.4
70°-80°	514.7	1.3
80°-90°	146.0	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°	39202.1	100.0
0°-180°	39202.1	100.0

Coefficient of Utilization



REPORT NUMBER: P524411

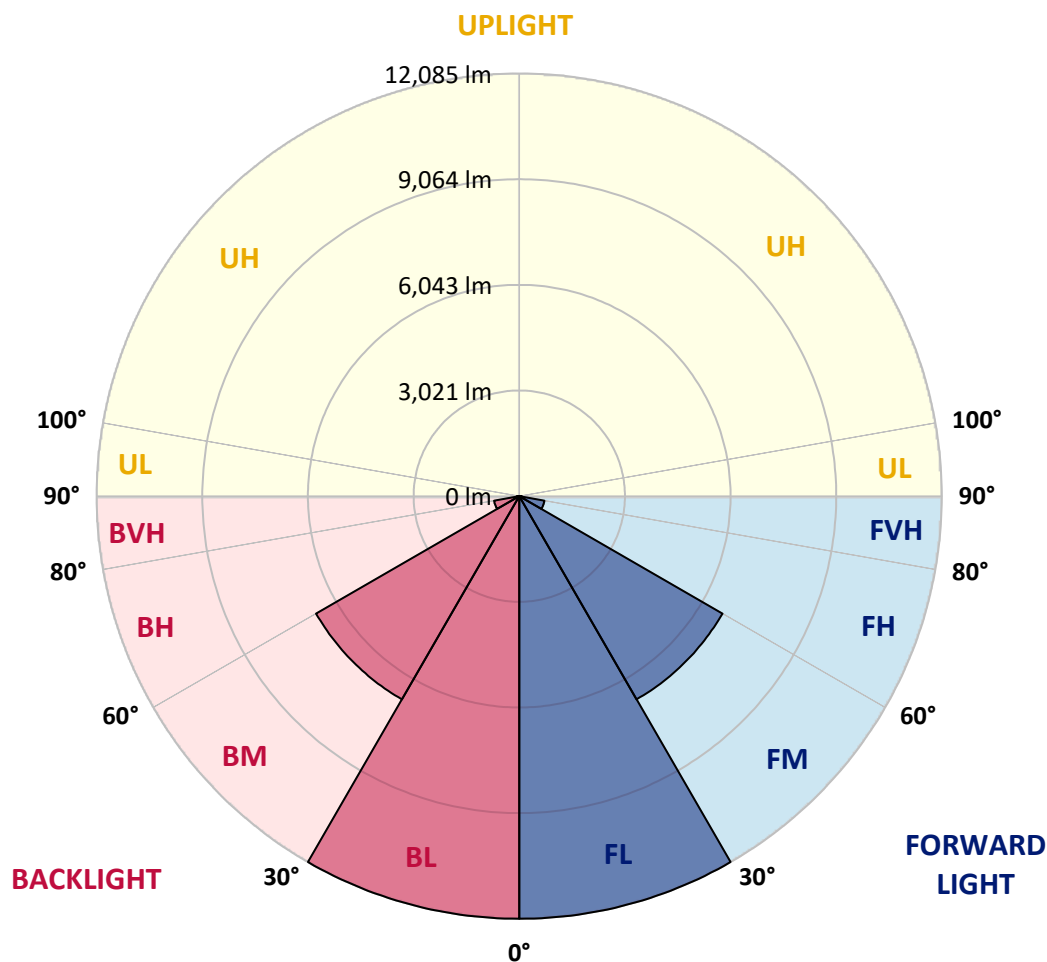
CATALOG NUMBER: IFLD-L-SA8D-940-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12085.2	30.8			
FM	(30°-60°)	6711.5	17.1			
FH	(60°-80°)	731.3	1.9			G1/1800
FVH	(80°-90°)	73.0	0.2			G1/100
BL	(0°-30°)	12085.2	30.8	B5		
BM	(30°-60°)	6711.5	17.1	B4/8500		
BH	(60°-80°)	731.3	1.9	B2/1000		G1/1800
BVH	(80°-90°)	73.0	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°	44874.1	44874.1	44874.1	44874.1	44874.1	44874.1	44874.1	44874.1	44874.1	44874.1
2.5°	44594.9	44589.0	44660.2	44695.9	44713.7	44796.9	44880.0	45099.8	45105.7	45236.4
5°	44535.5	44482.1	44529.6	44458.3	44476.1	44476.1	44583.0	44743.4	44802.8	44933.5
7.5°	43211.0	43199.1	43169.4	43092.2	43187.2	43121.9	43317.9	43460.4	43597.0	43662.4
10°	40740.1	40627.2	40627.2	40520.3	40615.3	40526.2	40847.0	40977.7	41209.3	41345.9
12.5°	37544.5	37497.0	37503.0	37455.4	37449.5	37324.8	37699.0	37811.8	38019.7	38221.7
15°	34135.2	34063.9	34129.2	34129.2	34075.8	33962.9	34360.9	34515.3	34818.2	34913.3
17.5°	30767.4	30737.7	30779.3	30797.1	30755.5	30648.6	31034.7	31373.2	31581.1	31581.1
20°	27678.8	27666.9	27720.4	27666.9	27625.3	27554.0	27910.4	28237.1	28421.2	28433.1
22.5°	24964.4	25029.7	24982.2	24916.8	24827.7	24774.3	25101.0	25403.9	25528.6	25653.4
25°	22582.6	22600.4	22636.0	22535.0	22428.1	22362.8	22606.3	22861.7	23057.7	23129.0
27.5°	20622.5	20687.8	20598.7	20444.3	20384.9	20307.7	20479.9	20664.1	20806.6	20907.6
30°	18715.8	18751.5	18769.3	18608.9	18466.4	18353.5	18496.1	18656.4	18709.9	18799.0
32.5°	16886.4	16945.8	17005.2	16809.2	16708.2	16601.3	16672.6	16773.6	16803.3	16809.2
35°	15063.0	15021.4	14967.9	14896.6	14819.4	14688.8	14760.0	14795.7	14819.4	14819.4
37.5°	12859.3	12895.0	12906.9	12770.3	12734.6	12645.5	12693.0	12699.0	12746.5	12776.2
40°	9729.2	9853.9	9770.7	9687.6	9699.5	9592.5	9574.7	9551.0	9657.9	9699.5
42.5°	5292.2	5506.1	5286.3	5357.6	5304.1	5244.7	5226.9	5256.6	5120.0	5007.1
45°	2661.0	2649.1	2696.6	2696.6	2744.1	2761.9	2720.4	2684.7	2666.9	2619.4
47.5°	2144.2	2108.6	2102.6	2132.3	2168.0	2191.7	2156.1	2138.3	2132.3	2162.0
50°	1841.3	1787.8	1770.0	1811.6	1841.3	1865.1	1835.4	1835.4	1829.4	1876.9
52.5°	1603.7	1550.2	1550.2	1633.4	1657.2	1680.9	1663.1	1663.1	1663.1	1716.6
55°	1419.6	1378.0	1330.5	1437.4	1514.6	1538.4	1526.5	1520.6	1526.5	1585.9
57.5°	1277.0	1253.3	1223.6	1247.3	1366.1	1395.8	1389.9	1389.9	1401.8	1449.3
60°	1140.4	1128.5	1116.7	1116.7	1211.7	1265.1	1259.2	1259.2	1271.1	1300.8
62.5°	1015.7	1003.8	991.9	1003.8	1039.4	1122.6	1122.6	1128.5	1146.4	1158.2
65°	890.9	885.0	885.0	890.9	902.8	968.2	991.9	1009.7	1027.6	1033.5
67.5°	772.2	766.2	772.2	784.0	784.0	813.7	867.2	885.0	902.8	902.8
70°	623.7	653.4	671.2	677.1	689.0	694.9	742.5	778.1	795.9	772.2
72.5°	338.6	386.1	582.1	599.9	605.8	611.8	647.4	689.0	700.9	457.4
75°	243.5	243.5	487.1	516.7	522.7	522.7	552.4	594.0	605.8	350.4
77.5°	160.4	154.4	338.6	374.2	427.7	344.5	451.4	498.9	510.8	291.0
80°	124.7	118.8	261.3	291.0	297.0	237.6	368.3	403.9	409.8	237.6
82.5°	95.0	89.1	190.1	213.8	231.6	154.4	261.3	308.9	320.7	207.9
85°	53.5	53.5	95.0	89.1	136.6	101.0	148.5	154.4	207.9	130.7
87.5°	17.8	23.8	41.6	41.6	47.5	41.6	59.4	59.4	65.3	47.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

44874.1
45278.0
44957.2
43769.3
41494.4
38358.3
35043.9
31658.3
28498.5
25724.6
23176.5
20937.3
18816.8
16880.5
14890.7
12900.9
9752.9
5060.6
2661.0
2185.8
1936.3
1776.0
1621.5
1484.9
1324.5
1176.1
1045.4
902.8
683.1
392.0
344.5
285.1
213.8
213.8
124.7
35.6
0.0