

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: P524406

Luminaire Tested: **IFLD-L-SA7D-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524406
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34870.8 lumens
Efficiency: N/A
Efficacy: 82.5 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): 422.6
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

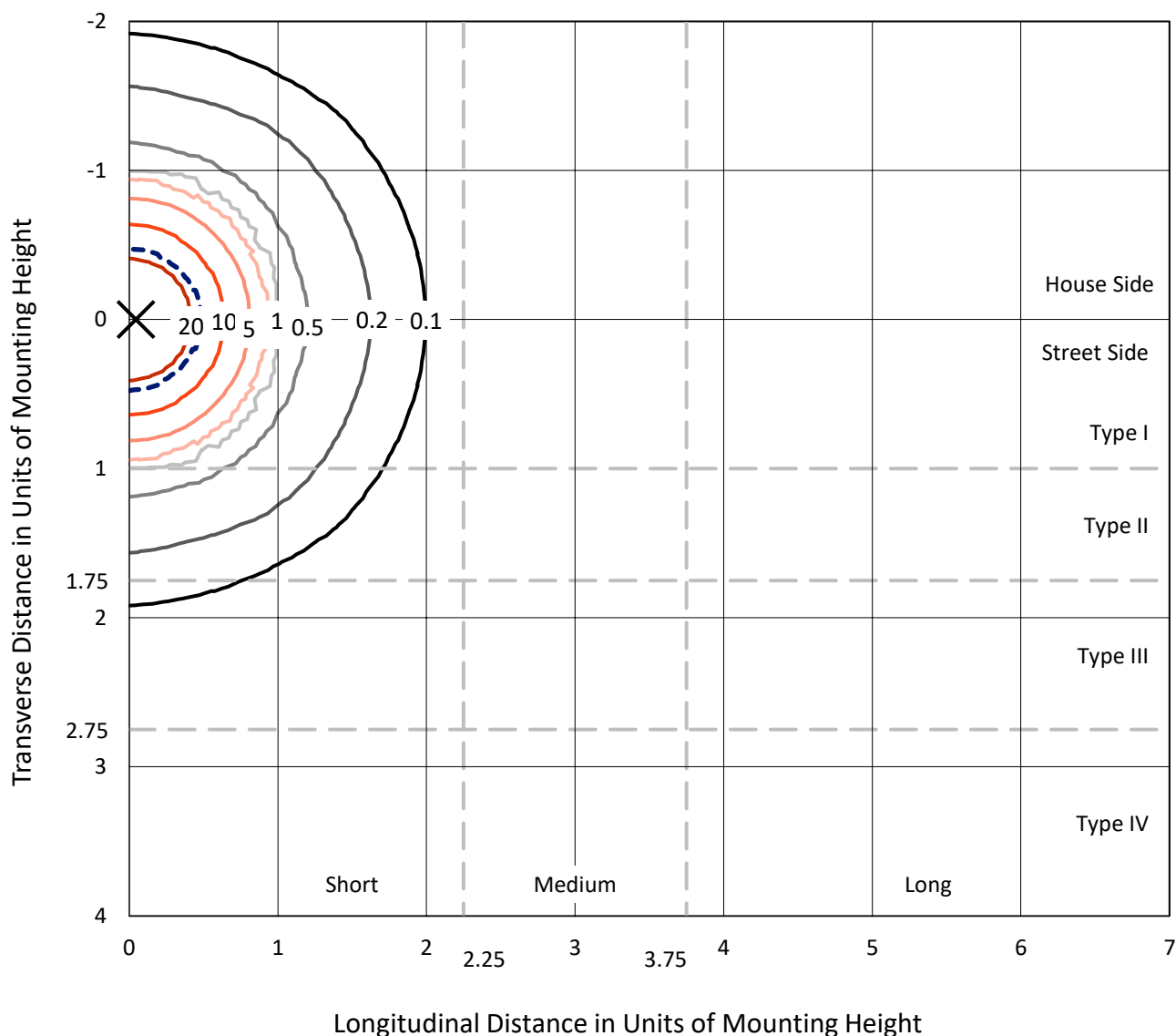
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

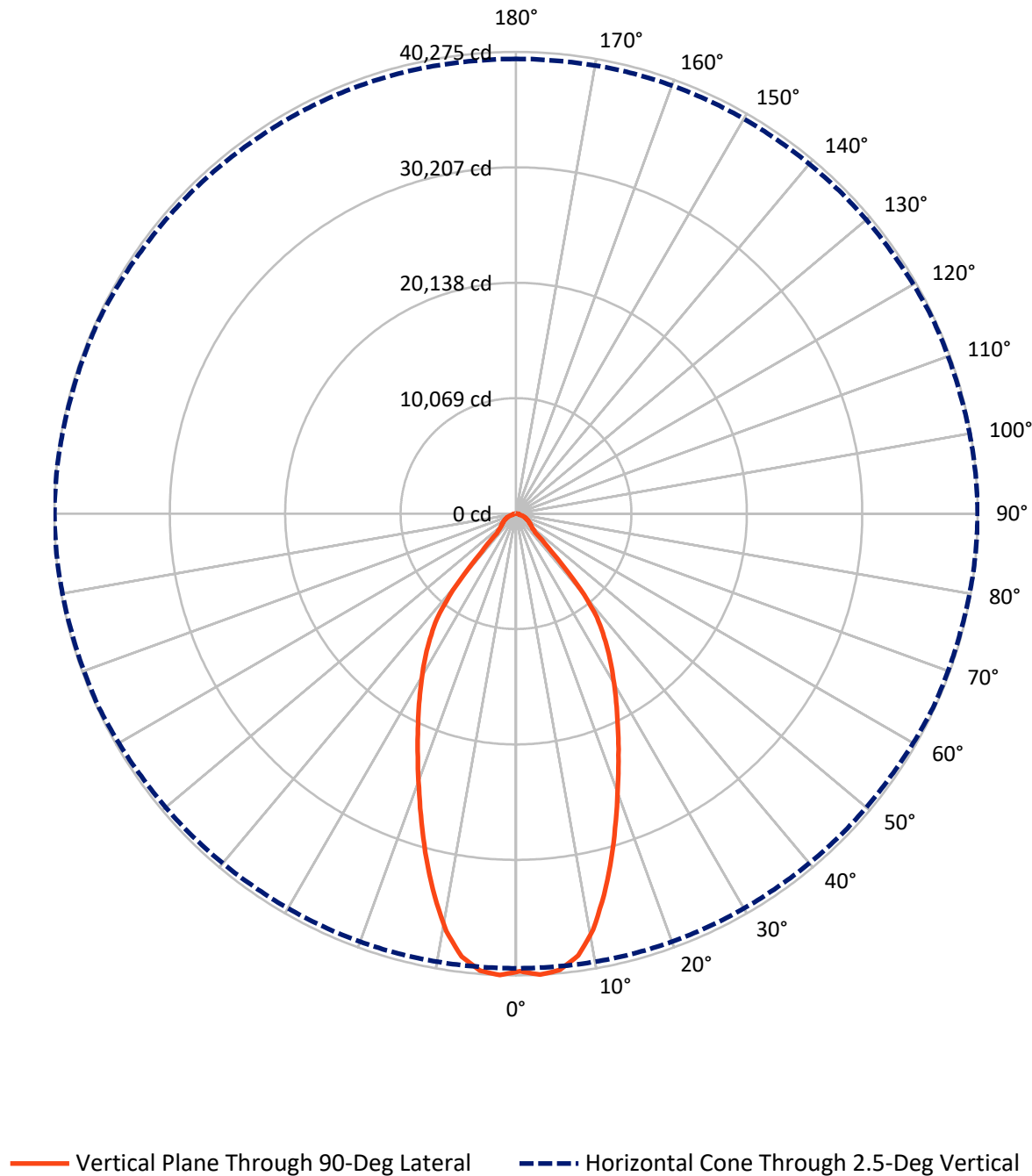


Based on 30 foot mounting height. Maximum calculated value = 44.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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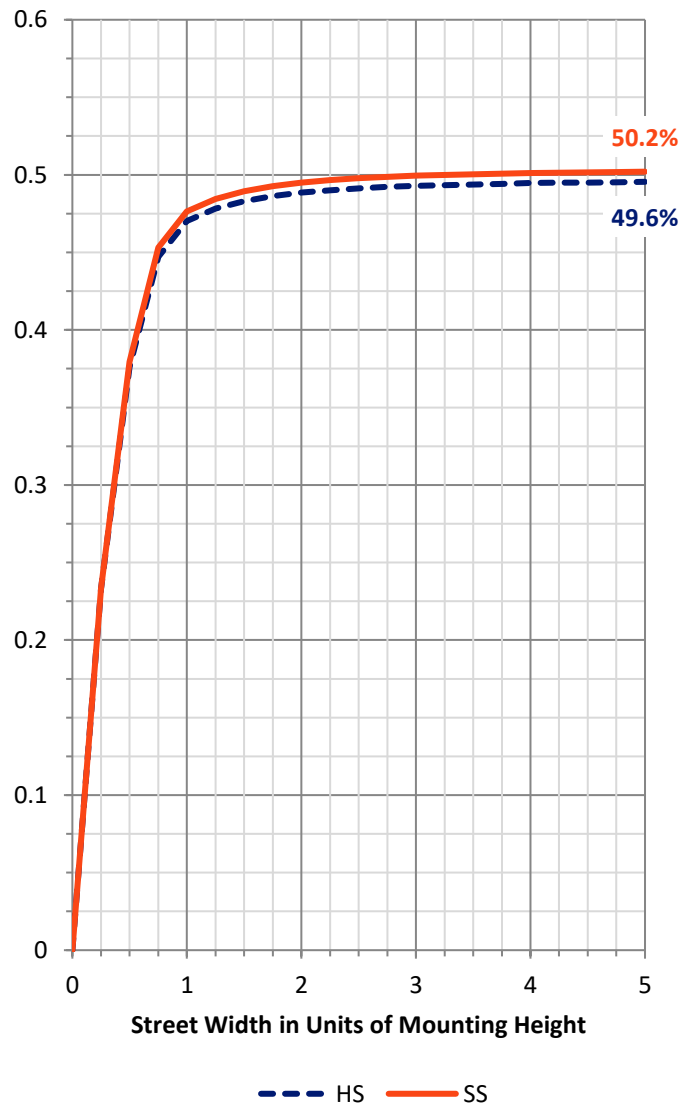
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17435.4	0.0	17435.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17435.4	0.0	17435.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	34870.8	0.0	34870.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3679.7	10.6
10°-20°	8494.2	24.4
20°-30°	9326.0	26.7
30°-40°	8086.3	23.2
40°-50°	2660.7	7.6
50°-60°	1193.0	3.4
60°-70°	843.2	2.4
70°-80°	457.8	1.3
80°-90°	129.8	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°	34870.8	100.0
0°-180°	34870.8	100.0

Coefficient of Utilization



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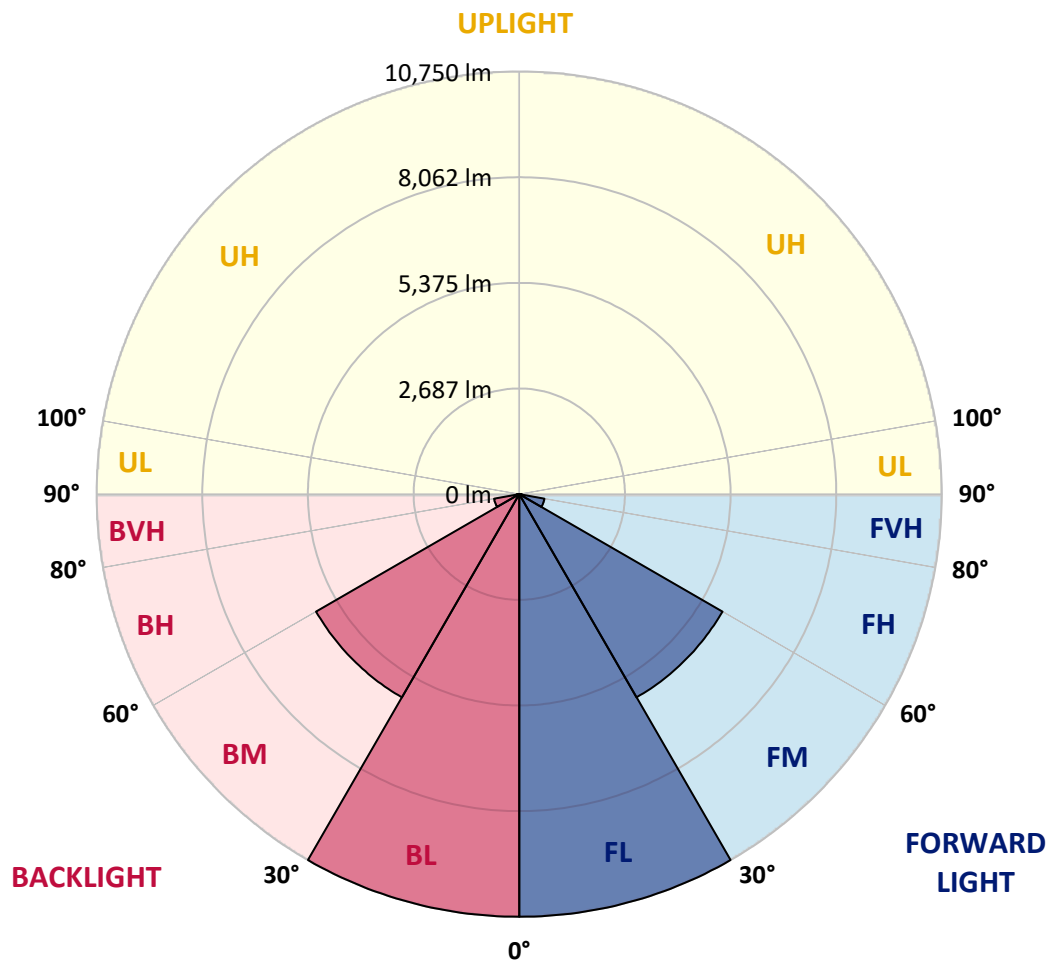
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10750.0	30.8			
FM	(30°-60°)	5970.0	17.1			
FH	(60°-80°)	650.5	1.9			G0/660
FVH	(80°-90°)	64.9	0.2			G1/100
BL	(0°-30°)	10750.0	30.8	B5		
BM	(30°-60°)	5970.0	17.1	B4/8500		
BH	(60°-80°)	650.5	1.9	B2/1000		G0/660
BVH	(80°-90°)	64.9	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°	39916.1	39916.1	39916.1	39916.1	39916.1	39916.1	39916.1	39916.1	39916.1	39916.1
2.5°	39667.8	39662.5	39725.9	39757.6	39773.5	39847.4	39921.4	40116.9	40122.2	40238.4
5°	39615.0	39567.4	39609.7	39546.3	39562.1	39562.1	39657.2	39799.9	39852.7	39968.9
7.5°	38436.8	38426.2	38399.8	38331.1	38415.6	38357.5	38531.9	38658.7	38780.2	38838.3
10°	36238.9	36138.5	36138.5	36043.4	36127.9	36048.7	36334.0	36450.2	36656.3	36777.8
12.5°	33396.4	33354.1	33359.4	33317.1	33311.9	33200.9	33533.8	33634.1	33819.1	33998.7
15°	30363.7	30300.3	30358.4	30358.4	30310.9	30210.5	30564.5	30701.9	30971.3	31055.8
17.5°	27368.0	27341.6	27378.6	27394.4	27357.5	27262.4	27605.8	27906.9	28091.9	28091.9
20°	24620.7	24610.1	24657.6	24610.1	24573.1	24509.7	24826.7	25117.3	25281.1	25291.7
22.5°	22206.1	22264.3	22222.0	22163.9	22084.6	22037.1	22327.7	22597.1	22708.1	22819.0
25°	20087.5	20103.3	20135.0	20045.2	19950.1	19892.0	20108.6	20335.8	20510.2	20573.6
27.5°	18344.0	18402.1	18322.8	18185.5	18132.6	18064.0	18217.2	18381.0	18507.8	18597.6
30°	16648.0	16679.7	16695.6	16552.9	16426.1	16325.7	16452.5	16595.2	16642.7	16722.0
32.5°	15020.7	15073.5	15126.4	14952.0	14862.2	14767.1	14830.5	14920.3	14946.7	14952.0
35°	13398.7	13361.7	13314.2	13250.8	13182.1	13065.9	13129.3	13161.0	13182.1	13182.1
37.5°	11438.6	11470.3	11480.8	11359.3	11327.6	11248.4	11290.6	11295.9	11338.2	11364.6
40°	8654.2	8765.2	8691.2	8617.2	8627.8	8532.7	8516.8	8495.7	8590.8	8627.8
42.5°	4707.5	4897.7	4702.2	4765.6	4718.1	4665.2	4649.4	4675.8	4554.3	4453.9
45°	2367.0	2356.4	2398.7	2398.7	2440.9	2456.8	2419.8	2388.1	2372.2	2330.0
47.5°	1907.3	1875.6	1870.3	1896.7	1928.4	1949.6	1917.9	1902.0	1896.7	1923.2
50°	1637.9	1590.3	1574.5	1611.4	1637.9	1659.0	1632.6	1632.6	1627.3	1669.6
52.5°	1426.5	1379.0	1379.0	1452.9	1474.1	1495.2	1479.4	1479.4	1479.4	1526.9
55°	1262.7	1225.7	1183.5	1278.6	1347.3	1368.4	1357.8	1352.6	1357.8	1410.7
57.5°	1135.9	1114.8	1088.4	1109.5	1215.2	1241.6	1236.3	1236.3	1246.9	1289.2
60°	1014.4	1003.8	993.3	993.3	1077.8	1125.4	1120.1	1120.1	1130.6	1157.1
62.5°	903.5	892.9	882.3	892.9	924.6	998.6	998.6	1003.8	1019.7	1030.3
65°	792.5	787.2	787.2	792.5	803.1	861.2	882.3	898.2	914.0	919.3
67.5°	686.8	681.6	686.8	697.4	697.4	723.8	771.4	787.2	803.1	803.1
70°	554.8	581.2	597.0	602.3	612.9	618.2	660.4	692.1	708.0	686.8
72.5°	301.2	343.4	517.8	533.6	538.9	544.2	575.9	612.9	623.4	406.8
75°	216.6	216.6	433.2	459.7	464.9	464.9	491.4	528.3	538.9	311.7
77.5°	142.7	137.4	301.2	332.9	380.4	306.4	401.5	443.8	454.4	258.9
80°	111.0	105.7	232.5	258.9	264.2	211.3	327.6	359.3	364.6	211.3
82.5°	84.5	79.3	169.1	190.2	206.1	137.4	232.5	274.7	285.3	184.9
85°	47.6	47.6	84.5	79.3	121.5	89.8	132.1	137.4	184.9	116.2
87.5°	15.9	21.1	37.0	37.0	42.3	37.0	52.8	52.8	58.1	42.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

39916.1
40275.4
39990.1
38933.4
36909.9
34120.2
31172.1
28160.5
25349.8
22882.4
20615.8
18624.0
16737.8
15015.4
13245.5
11475.6
8675.3
4501.5
2367.0
1944.3
1722.4
1579.7
1442.4
1320.9
1178.2
1046.1
929.9
803.1
607.6
348.7
306.4
253.6
190.2
190.2
111.0
31.7
0.0