

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: P524358

Luminaire Tested: **IFLD-S-SA6E-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524358
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-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: 34758.3 lumens
Efficiency: N/A
Efficacy: 74.9 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): 464.2
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

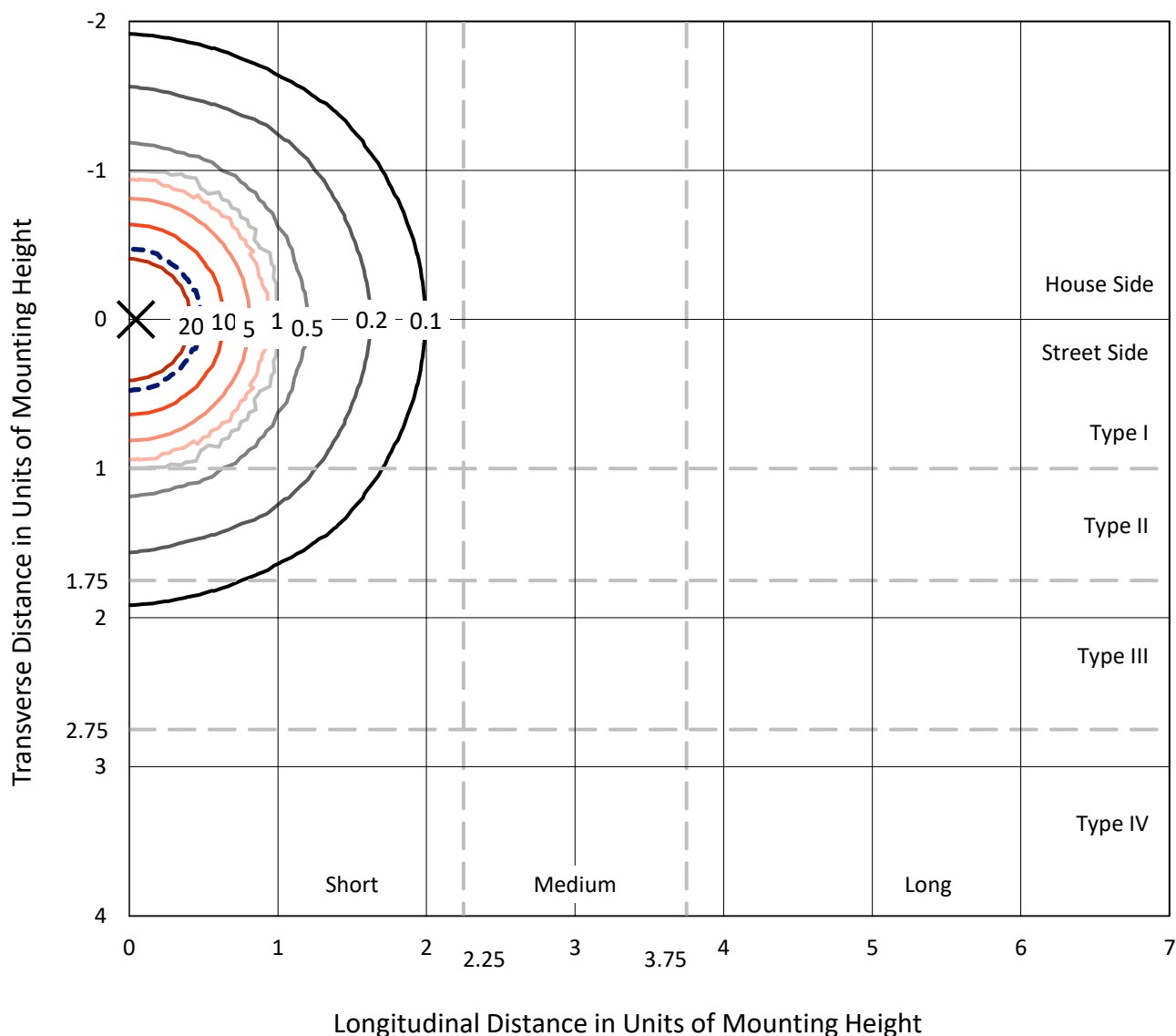
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

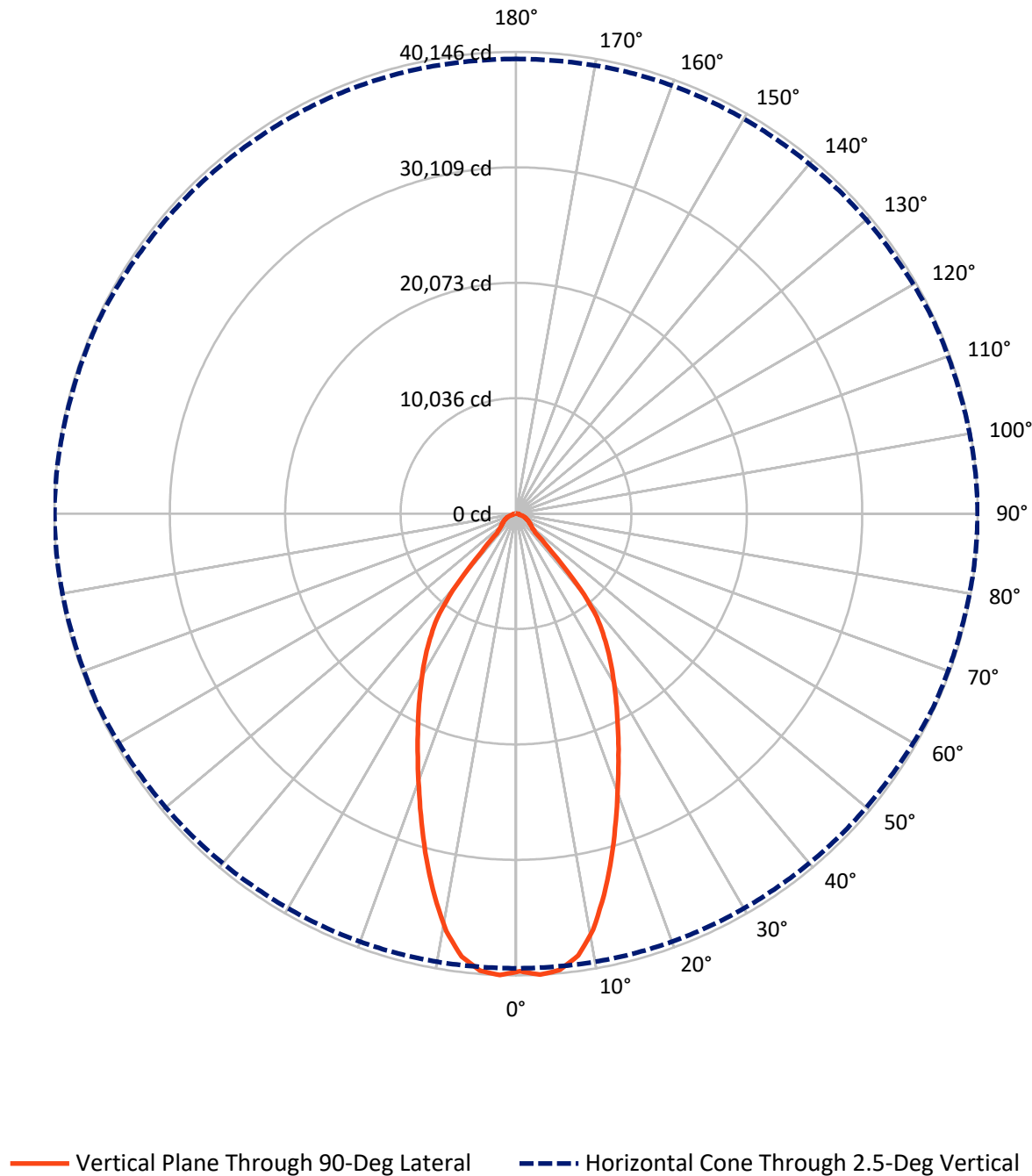


Based on 30 foot mounting height. Maximum calculated value = 44.2 fc

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	17379.2	0.0	17379.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17379.2	0.0	17379.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	34758.3	0.0	34758.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3667.8	10.6
10°-20°	8466.8	24.4
20°-30°	9295.9	26.7
30°-40°	8060.2	23.2
40°-50°	2652.1	7.6
50°-60°	1189.1	3.4
60°-70°	840.5	2.4
70°-80°	456.4	1.3
80°-90°	129.4	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°	34758.3	100.0
0°-180°	34758.3	100.0

Coefficient of Utilization



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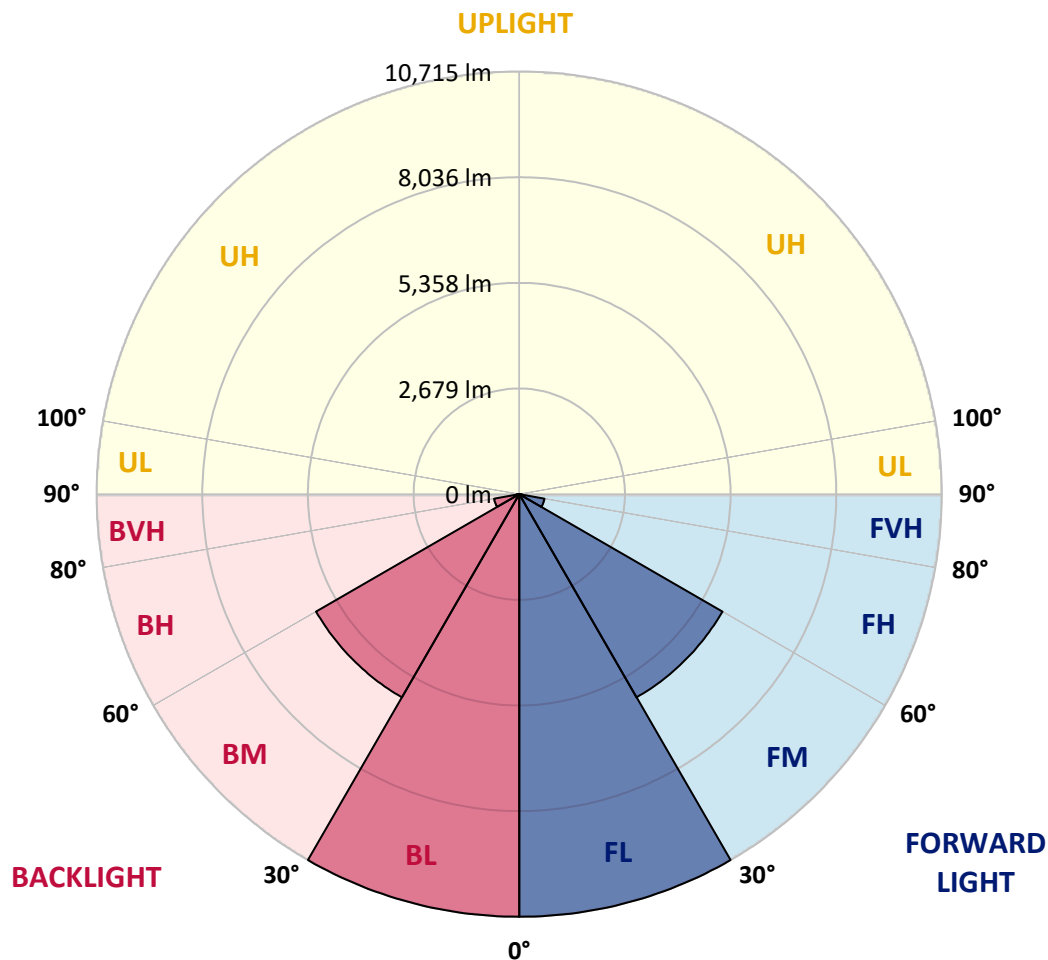
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10715.3	30.8			
FM	(30°-60°)	5950.7	17.1			
FH	(60°-80°)	648.4	1.9			G0/660
FVH	(80°-90°)	64.7	0.2			G1/100
BL	(0°-30°)	10715.3	30.8	B5		
BM	(30°-60°)	5950.7	17.1	B4/8500		
BH	(60°-80°)	648.4	1.9	B2/1000		G0/660
BVH	(80°-90°)	64.7	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°	39787.4	39787.4	39787.4	39787.4	39787.4	39787.4	39787.4	39787.4	39787.4	39787.4
2.5°	39539.8	39534.6	39597.8	39629.4	39645.2	39718.9	39792.6	39987.5	39992.7	40108.6
5°	39487.2	39439.8	39481.9	39418.7	39434.5	39434.5	39529.3	39671.5	39724.2	39840.0
7.5°	38312.8	38302.2	38275.9	38207.5	38291.7	38233.8	38407.6	38534.0	38655.1	38713.0
10°	36122.0	36021.9	36021.9	35927.1	36011.4	35932.4	36216.8	36332.6	36538.0	36659.1
12.5°	33288.7	33246.5	33251.8	33209.7	33204.4	33093.8	33425.6	33525.7	33710.0	33889.0
15°	30265.8	30202.6	30260.5	30260.5	30213.1	30113.1	30465.9	30602.8	30871.4	30955.7
17.5°	27279.8	27253.4	27290.3	27306.1	27269.2	27174.4	27516.7	27816.9	28001.2	28001.2
20°	24541.2	24530.7	24578.1	24530.7	24493.8	24430.7	24746.6	25036.3	25199.5	25210.1
22.5°	22134.5	22192.4	22150.3	22092.4	22013.4	21966.0	22255.6	22524.2	22634.8	22745.4
25°	20022.7	20038.5	20070.1	19980.6	19885.8	19827.9	20043.8	20270.2	20444.0	20507.2
27.5°	18284.8	18342.7	18263.7	18126.8	18074.2	18005.7	18158.4	18321.7	18448.1	18537.6
30°	16594.3	16625.9	16641.7	16499.5	16373.1	16273.1	16399.4	16541.6	16589.0	16668.0
32.5°	14972.3	15024.9	15077.6	14903.8	14814.3	14719.5	14782.7	14872.2	14898.5	14903.8
35°	13355.5	13318.6	13271.2	13208.0	13139.6	13023.7	13086.9	13118.5	13139.6	13139.6
37.5°	11401.7	11433.3	11443.8	11322.7	11291.1	11212.1	11254.2	11259.5	11301.6	11327.9
40°	8626.3	8736.9	8663.2	8589.4	8600.0	8505.2	8489.4	8468.3	8563.1	8600.0
42.5°	4692.3	4881.9	4687.1	4750.3	4702.9	4650.2	4634.4	4660.7	4539.6	4439.5
45°	2359.3	2348.8	2390.9	2390.9	2433.1	2448.9	2412.0	2380.4	2364.6	2322.5
47.5°	1901.2	1869.6	1864.3	1890.6	1922.2	1943.3	1911.7	1895.9	1890.6	1917.0
50°	1632.6	1585.2	1569.4	1606.2	1632.6	1653.6	1627.3	1627.3	1622.0	1664.2
52.5°	1421.9	1374.5	1374.5	1448.2	1469.3	1490.4	1474.6	1474.6	1474.6	1522.0
55°	1258.7	1221.8	1179.7	1274.5	1342.9	1364.0	1353.5	1348.2	1353.5	1406.1
57.5°	1132.3	1111.2	1084.9	1105.9	1211.3	1237.6	1232.3	1232.3	1242.9	1285.0
60°	1011.1	1000.6	990.1	990.1	1074.3	1121.7	1116.5	1116.5	1127.0	1153.3
62.5°	900.5	890.0	879.5	890.0	921.6	995.3	995.3	1000.6	1016.4	1026.9
65°	790.0	784.7	784.7	790.0	800.5	858.4	879.5	895.3	911.1	916.3
67.5°	684.6	679.4	684.6	695.2	695.2	721.5	768.9	784.7	800.5	800.5
70°	553.0	579.3	595.1	600.4	610.9	616.2	658.3	689.9	705.7	684.6
72.5°	300.2	342.3	516.1	531.9	537.2	542.4	574.0	610.9	621.4	405.5
75°	215.9	215.9	431.8	458.2	463.4	463.4	489.8	526.6	537.2	310.7
77.5°	142.2	136.9	300.2	331.8	379.2	305.4	400.2	442.4	452.9	258.1
80°	110.6	105.3	231.7	258.1	263.3	210.7	326.5	358.1	363.4	210.7
82.5°	84.3	79.0	168.5	189.6	205.4	136.9	231.7	273.9	284.4	184.3
85°	47.4	47.4	84.3	79.0	121.1	89.5	131.7	136.9	184.3	115.9
87.5°	15.8	21.1	36.9	36.9	42.1	36.9	52.7	52.7	57.9	42.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

39787.4
40145.5
39861.1
38807.8
36790.8
34010.2
31071.5
28069.7
25268.0
22808.6
20549.3
18563.9
16683.8
14967.0
13202.8
11438.5
8647.4
4486.9
2359.3
1938.0
1716.8
1574.6
1437.7
1316.6
1174.4
1042.7
926.9
800.5
605.6
347.6
305.4
252.8
189.6
189.6
110.6
31.6
0.0