

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: P524372

Luminaire Tested: **IFLD-L-SA8D-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524372
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36022.8 lumens
Efficiency: N/A
Efficacy: 73.8 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): 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

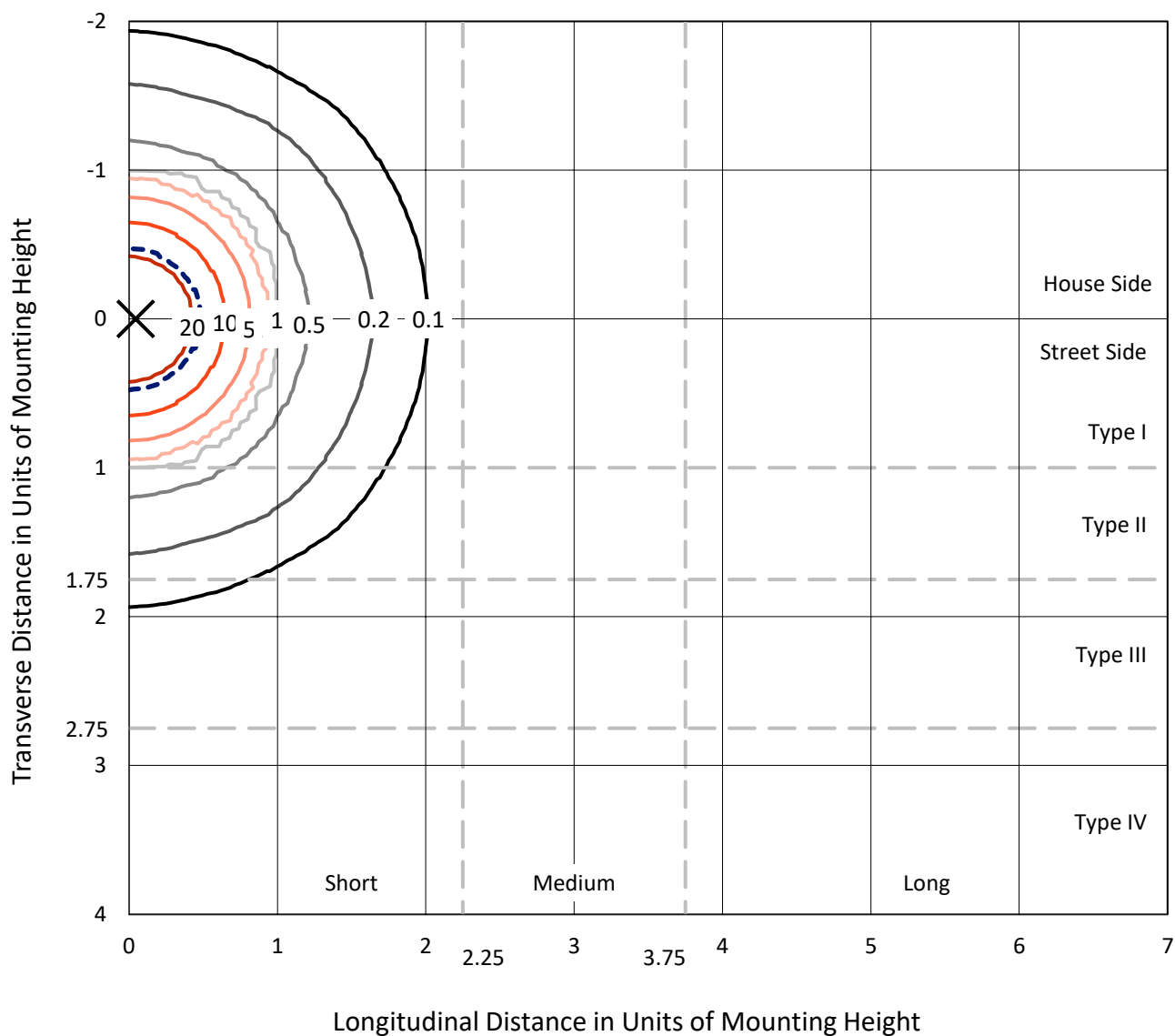
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

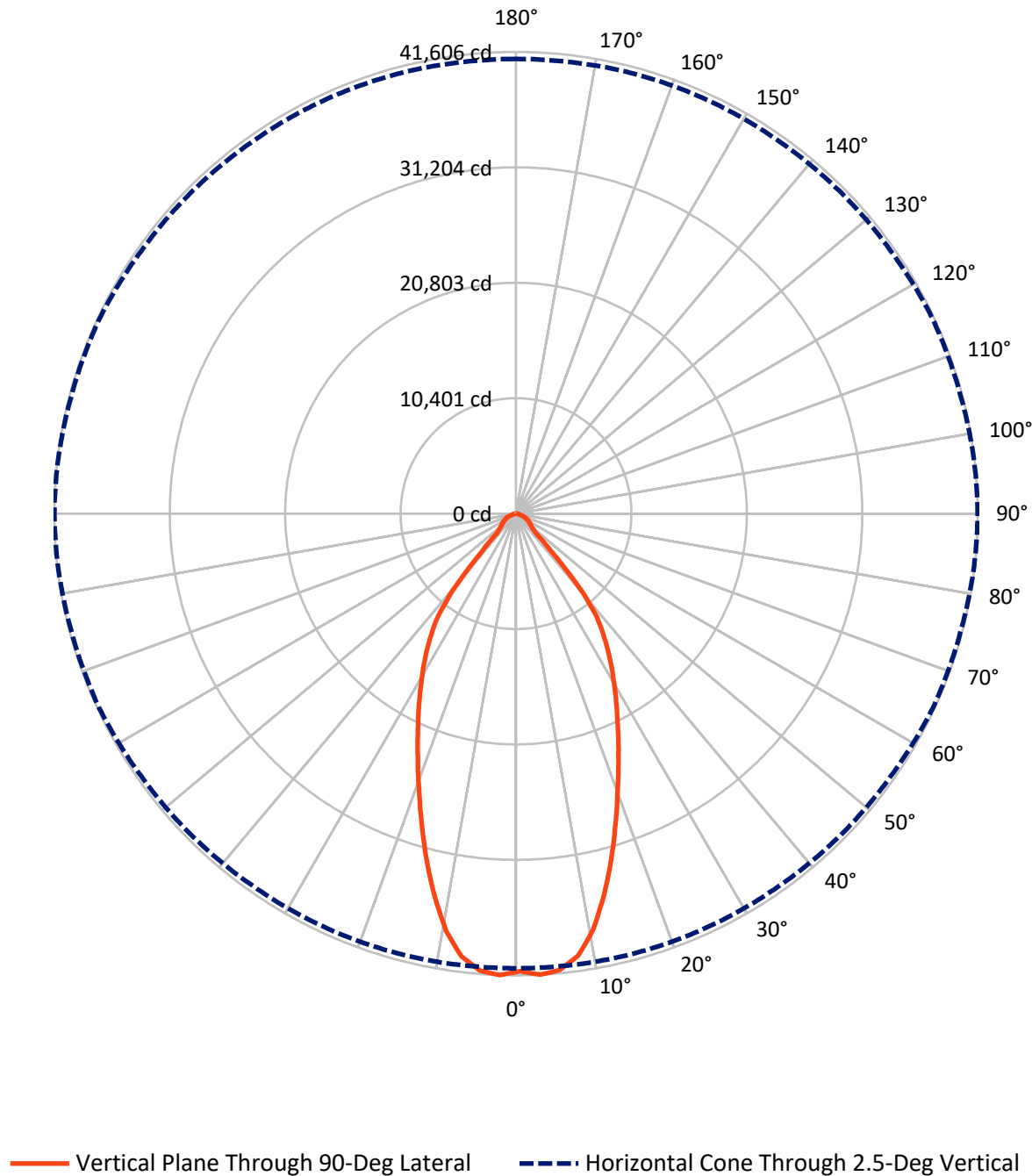


Based on 30 foot mounting height. Maximum calculated value = 45.8 fc

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	18011.4	0.0	18011.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18011.4	0.0	18011.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	36022.8	0.0	36022.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3801.3	10.6
10°-20°	8774.9	24.4
20°-30°	9634.1	26.7
30°-40°	8353.4	23.2
40°-50°	2748.6	7.6
50°-60°	1232.4	3.4
60°-70°	871.1	2.4
70°-80°	473.0	1.3
80°-90°	134.1	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°	36022.8	100.0
0°-180°	36022.8	100.0

Coefficient of Utilization



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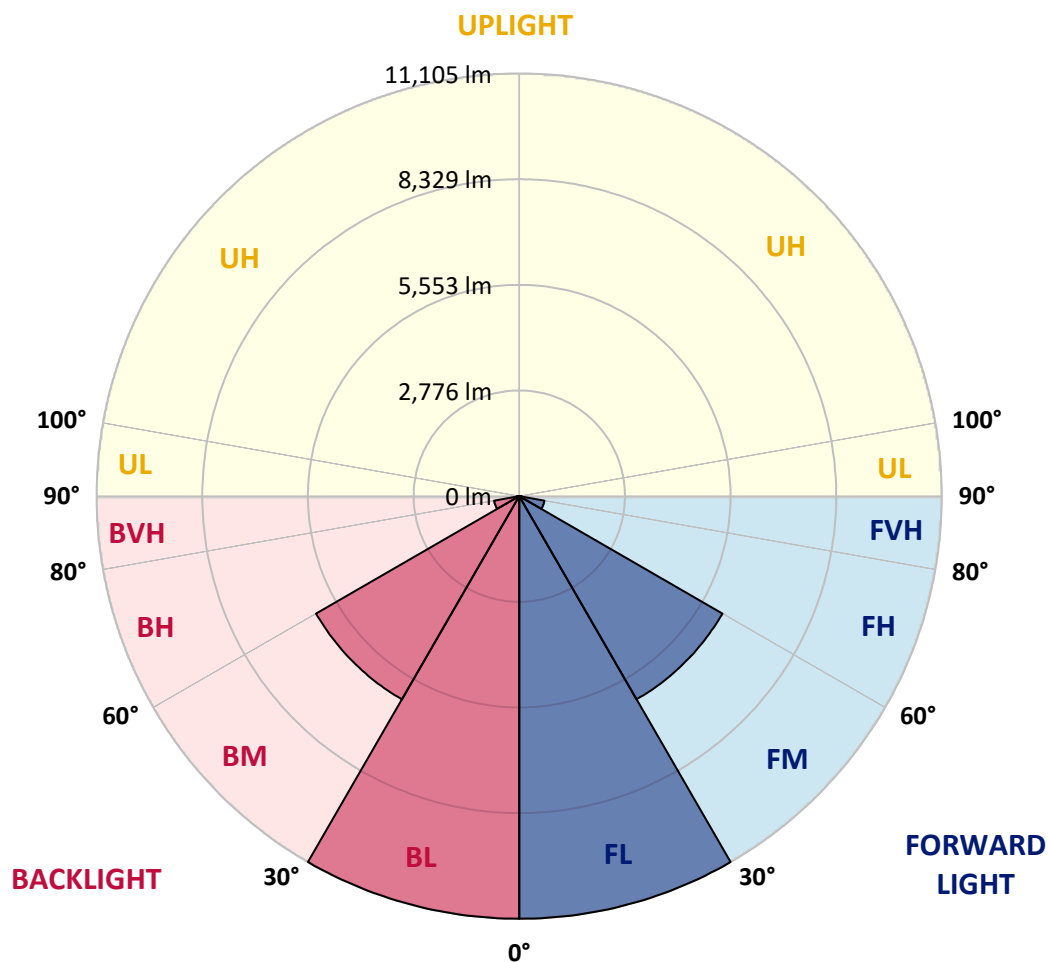
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11105.1	30.8			
FM	(30°-60°)	6167.2	17.1			
FH	(60°-80°)	672.0	1.9			G1/1800
FVH	(80°-90°)	67.1	0.2			G1/100
BL	(0°-30°)	11105.1	30.8	B5		
BM	(30°-60°)	6167.2	17.1	B4/8500		
BH	(60°-80°)	672.0	1.9	B2/1000		G1/1800
BVH	(80°-90°)	67.1	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°	41234.8	41234.8	41234.8	41234.8	41234.8	41234.8	41234.8	41234.8	41234.8	41234.8
2.5°	40978.3	40972.8	41038.3	41071.0	41087.4	41163.8	41240.2	41442.2	41447.6	41567.7
5°	40923.7	40874.6	40918.2	40852.7	40869.1	40869.1	40967.3	41114.7	41169.3	41289.4
7.5°	39706.6	39695.6	39668.4	39597.4	39684.7	39624.7	39804.8	39935.8	40061.3	40121.4
10°	37436.1	37332.4	37332.4	37234.1	37321.4	37239.6	37534.3	37654.4	37867.2	37992.8
12.5°	34499.7	34456.0	34461.5	34417.8	34412.4	34297.7	34641.6	34745.3	34936.3	35121.9
15°	31366.8	31301.3	31361.4	31361.4	31312.2	31208.5	31574.2	31716.1	31994.5	32081.8
17.5°	28272.2	28244.9	28283.1	28299.5	28261.2	28163.0	28517.8	28828.9	29019.9	29019.9
20°	25434.0	25423.1	25472.2	25423.1	25384.9	25319.4	25646.9	25947.1	26116.3	26127.2
22.5°	22939.7	22999.8	22956.1	22896.1	22814.2	22765.1	23065.3	23343.6	23458.3	23572.9
25°	20751.1	20767.5	20800.2	20707.4	20609.2	20549.2	20772.9	21007.6	21187.7	21253.2
27.5°	18950.0	19010.0	18928.2	18786.3	18731.7	18660.7	18819.0	18988.2	19119.2	19212.0
30°	17198.0	17230.7	17247.1	17099.7	16968.8	16865.1	16996.0	17143.4	17192.5	17274.4
32.5°	15516.9	15571.5	15626.1	15446.0	15353.2	15255.0	15320.5	15413.2	15440.5	15446.0
35°	13841.4	13803.1	13754.0	13688.5	13617.6	13497.5	13563.0	13595.7	13617.6	13617.6
37.5°	11816.5	11849.2	11860.1	11734.6	11701.8	11620.0	11663.6	11669.1	11712.8	11740.0
40°	8940.1	9054.7	8978.3	8901.9	8912.8	8814.6	8798.2	8776.4	8874.6	8912.8
42.5°	4863.0	5059.5	4857.6	4923.1	4873.9	4819.4	4803.0	4830.3	4704.8	4601.0
45°	2445.2	2434.2	2477.9	2477.9	2521.6	2537.9	2499.7	2467.0	2450.6	2407.0
47.5°	1970.3	1937.6	1932.1	1959.4	1992.2	2014.0	1981.2	1964.9	1959.4	1986.7
50°	1692.0	1642.8	1626.5	1664.7	1692.0	1713.8	1686.5	1686.5	1681.0	1724.7
52.5°	1473.6	1424.5	1424.5	1500.9	1522.8	1544.6	1528.2	1528.2	1528.2	1577.3
55°	1304.4	1266.2	1222.6	1320.8	1391.8	1413.6	1402.7	1397.2	1402.7	1457.3
57.5°	1173.5	1151.6	1124.3	1146.2	1255.3	1282.6	1277.2	1277.2	1288.1	1331.7
60°	1047.9	1037.0	1026.1	1026.1	1113.4	1162.5	1157.1	1157.1	1168.0	1195.3
62.5°	933.3	922.4	911.5	922.4	955.1	1031.6	1031.6	1037.0	1053.4	1064.3
65°	818.7	813.2	813.2	818.7	829.6	889.6	911.5	927.9	944.2	949.7
67.5°	709.5	704.1	709.5	720.4	720.4	747.7	796.9	813.2	829.6	829.6
70°	573.1	600.4	616.7	622.2	633.1	638.6	682.2	715.0	731.4	709.5
72.5°	311.1	354.8	534.9	551.3	556.7	562.2	594.9	633.1	644.0	420.3
75°	223.8	223.8	447.6	474.8	480.3	480.3	507.6	545.8	556.7	322.0
77.5°	147.4	141.9	311.1	343.9	393.0	316.6	414.8	458.5	469.4	267.4
80°	114.6	109.2	240.1	267.4	272.9	218.3	338.4	371.1	376.6	218.3
82.5°	87.3	81.9	174.7	196.5	212.9	141.9	240.1	283.8	294.7	191.0
85°	49.1	49.1	87.3	81.9	125.5	92.8	136.4	141.9	191.0	120.1
87.5°	16.4	21.8	38.2	38.2	43.7	38.2	54.6	54.6	60.0	43.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

41234.8
41605.9
41311.2
40219.6
38129.2
35247.4
32201.9
29090.9
26187.2
23638.4
21296.9
19239.3
17290.8
15511.5
13683.1
11854.7
8961.9
4650.2
2445.2
2008.5
1779.3
1631.9
1490.0
1364.5
1217.1
1080.7
960.6
829.6
627.7
360.2
316.6
262.0
196.5
196.5
114.6
32.7
0.0