

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: P635874

Luminaire Tested: **IFLD-S-SA3C-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635874
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9954.8 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 160.8
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: 25 FT



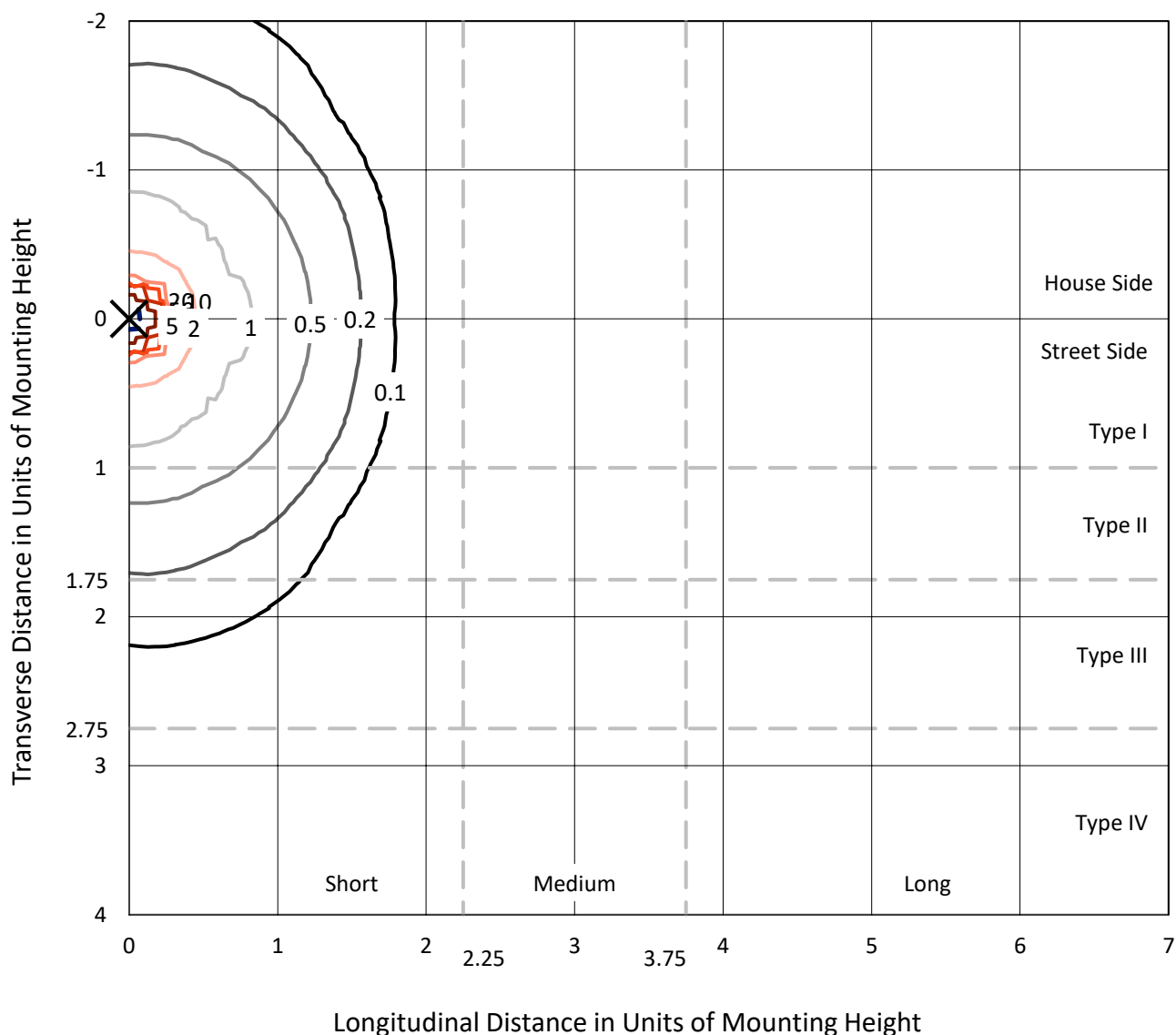
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

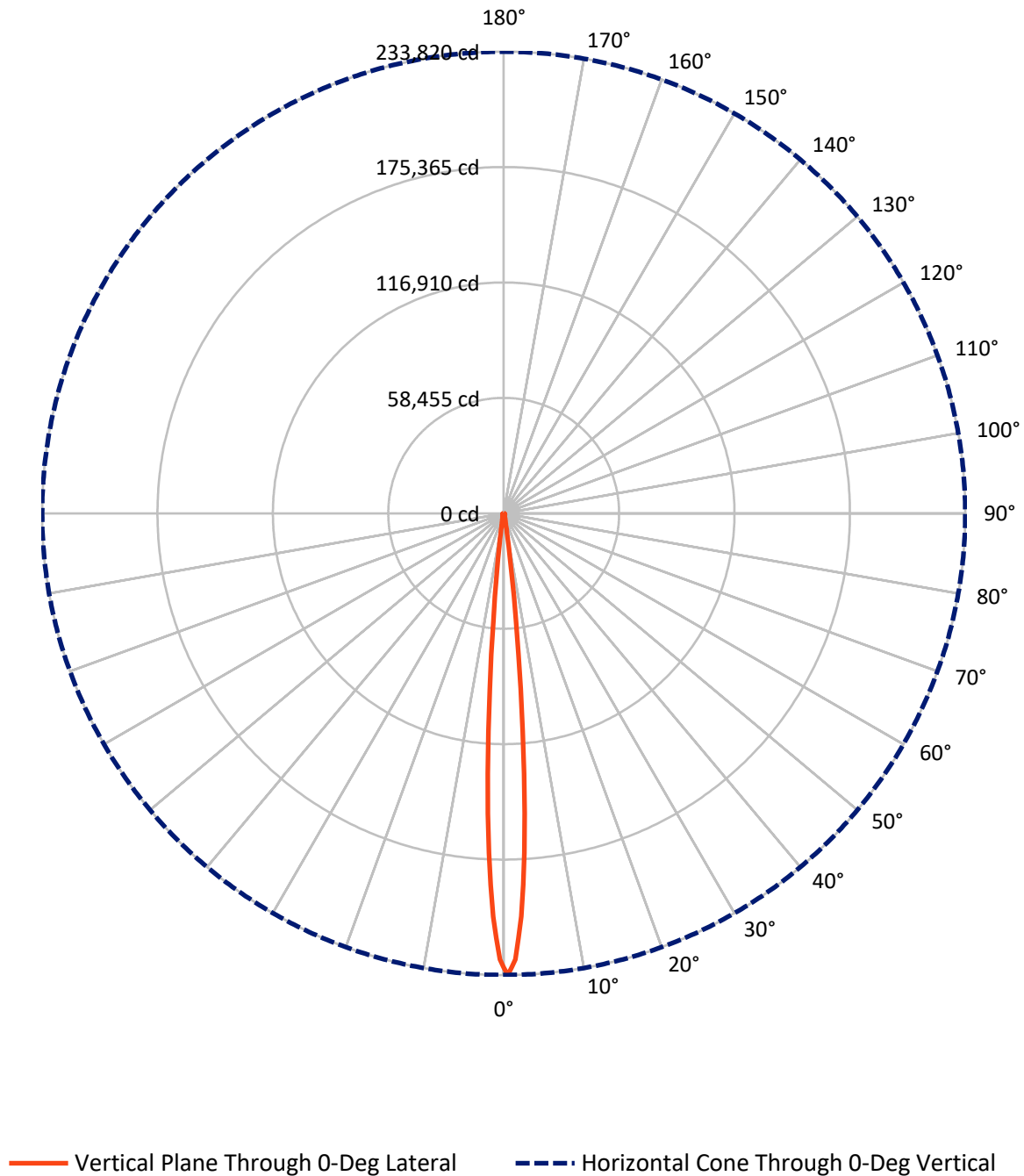


Based on 20 foot mounting height. Maximum calculated value = 584.6 fc

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	4977.4	0.0	4977.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4977.4	0.0	4977.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9954.8	0.0	9954.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6283.2	63.1
10°-20°	776.5	7.8
20°-30°	465.2	4.7
30°-40°	500.2	5.0
40°-50°	672.6	6.8
50°-60°	599.6	6.0
60°-70°	396.1	4.0
70°-80°	196.4	2.0
80°-90°	64.8	0.7
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°	9954.8	100.0
0°-180°	9954.8	100.0

Coefficient of Utilization



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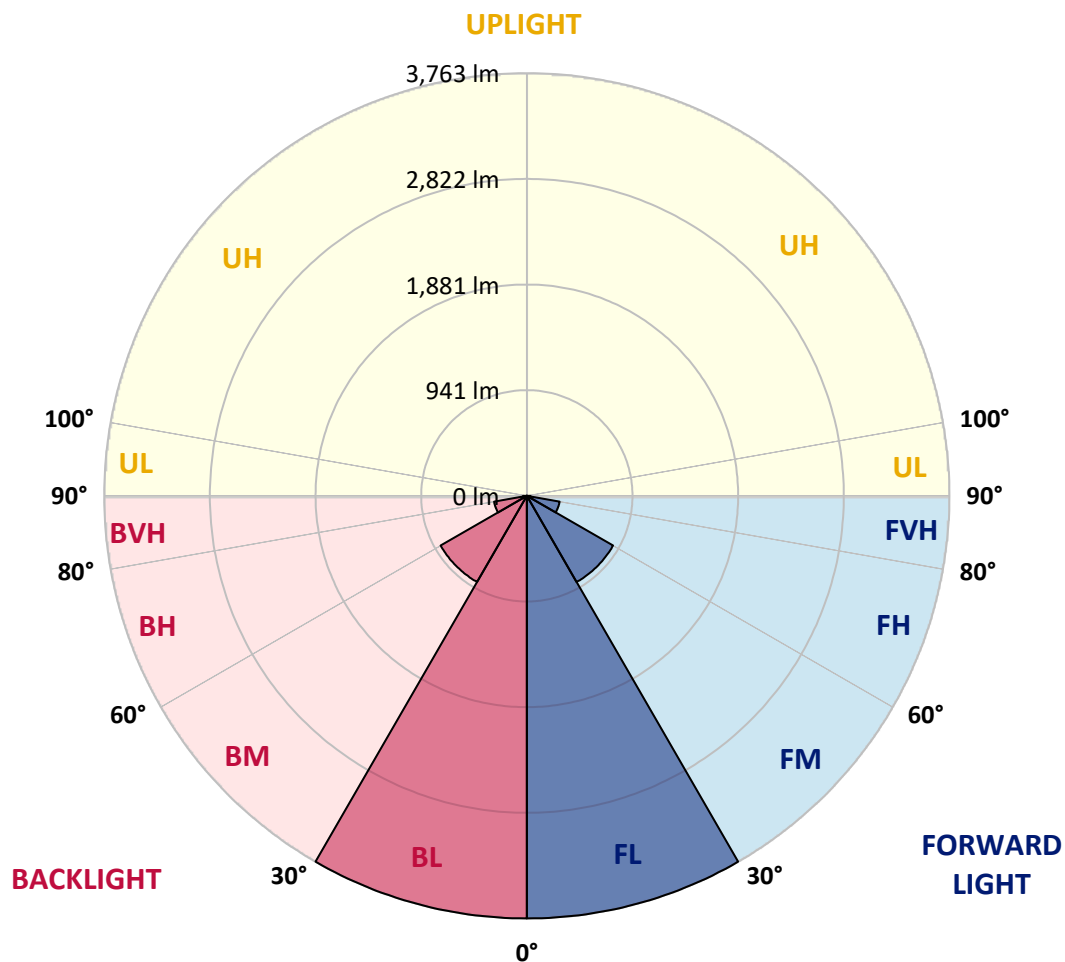
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3762.5	37.8			
FM	(30°-60°)	886.3	8.9			
FH	(60°-80°)	296.2	3.0			G0/660
FVH	(80°-90°)	32.4	0.3			G1/100
BL	(0°-30°)	3762.5	37.8	B4/5000		
BM	(30°-60°)	886.3	8.9	B1/1000		
BH	(60°-80°)	296.2	3.0	B1/500		G0/660
BVH	(80°-90°)	32.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	233820.1	233820.1	233820.1	233820.1	233820.1	233820.1	233820.1	233820.1	233820.1	233820.1
1°	225982.8	223663.3	224856.3	225996.6	227595.7	228300.1	229018.2	229555.0	229545.9	230431.5
2°	204400.5	200663.1	202395.3	204519.8	208628.8	209808.1	211778.9	214217.7	214366.9	216574.0
3°	172285.0	167038.0	169589.2	173372.5	180184.3	181946.3	185105.5	187335.6	186339.8	188923.2
4°	132206.1	125359.9	129257.9	134858.3	141488.8	148215.6	148348.7	149947.8	146664.7	146506.4
5°	89195.1	83158.8	88160.3	95164.8	100893.6	105594.6	108490.0	108689.6	105140.4	104816.9
6°	54399.9	50405.5	54757.8	62170.6	70106.6	72061.3	72504.1	71499.2	66844.1	64267.6
7°	30066.7	28437.7	32691.3	37114.7	43302.4	46163.4	44183.4	40971.4	39546.7	36479.2
8°	16580.8	15777.8	16991.5	20813.8	25615.7	27494.8	25583.6	22247.7	19845.6	18996.7
9°	9996.2	9551.1	10046.7	11501.3	13575.3	14878.5	13784.1	12141.4	11127.3	10845.1
10°	6639.7	6465.3	6676.4	7167.4	7913.0	8293.9	8020.8	7369.3	7061.8	7043.5
12.5°	3485.0	3452.9	3505.7	3560.7	3689.2	3709.9	3661.7	3615.8	3544.7	3572.2
15°	2243.8	2214.0	2269.1	2340.2	2372.3	2392.9	2395.2	2370.0	2321.8	2298.9
17.5°	1635.8	1642.7	1647.3	1688.6	1750.5	1798.7	1778.1	1750.5	1695.5	1667.9
20°	1346.7	1349.0	1358.2	1381.2	1401.8	1468.3	1447.7	1406.4	1353.6	1333.0
22.5°	1151.7	1156.3	1160.9	1174.7	1179.3	1197.6	1199.9	1163.2	1133.4	1121.9
25°	1014.1	1014.1	1021.0	1032.4	1037.0	1023.3	1025.5	1009.5	982.0	968.2
27.5°	860.4	864.9	871.8	876.4	867.2	851.2	830.5	844.3	830.5	798.4
30°	766.3	770.9	791.5	777.8	757.1	736.5	725.0	743.3	745.6	718.1
32.5°	759.4	761.7	768.6	761.7	736.5	711.2	695.2	715.8	720.4	708.9
35°	793.8	786.9	796.1	800.7	775.5	747.9	727.3	745.6	759.4	764.0
37.5°	961.3	922.3	892.5	883.3	867.2	848.9	821.4	825.9	851.2	874.1
40°	915.4	906.2	894.8	864.9	835.1	858.1	825.9	816.8	874.1	878.7
42.5°	908.5	915.4	906.2	869.5	839.7	862.7	855.8	828.2	885.6	878.7
45°	913.1	920.0	940.7	878.7	853.5	864.9	878.7	848.9	906.2	883.3
47.5°	876.4	885.6	908.5	874.1	858.1	855.8	876.4	848.9	878.7	876.4
50°	828.2	837.4	844.3	814.5	844.3	828.2	830.5	819.1	819.1	823.6
52.5°	766.3	775.5	782.4	747.9	766.3	773.2	745.6	743.3	722.7	729.6
55°	690.6	704.3	711.2	697.5	688.3	702.1	663.0	658.5	617.2	619.5
57.5°	603.4	617.2	624.0	640.1	633.2	605.7	582.7	564.4	518.5	500.2
60°	621.8	635.5	621.8	575.9	575.9	513.9	493.3	454.3	408.4	385.4
62.5°	601.1	619.5	617.2	569.0	511.6	433.6	396.9	355.6	309.7	279.9
65°	566.7	585.0	575.9	543.7	488.7	371.7	316.6	275.3	218.0	211.1
67.5°	509.3	536.9	518.5	497.9	454.3	337.3	252.4	206.5	158.3	158.3
70°	422.1	442.8	454.3	431.3	406.1	316.6	215.7	158.3	114.7	87.2
72.5°	339.6	357.9	376.3	364.8	341.8	286.8	192.7	126.2	82.6	50.5
75°	188.1	195.0	201.9	229.4	261.5	234.0	176.7	110.1	68.8	39.0
77.5°	144.5	151.4	167.5	153.7	142.2	181.2	192.7	128.5	59.7	27.5
80°	112.4	121.6	172.1	142.2	121.6	137.7	165.2	112.4	39.0	13.8
82.5°	84.9	91.8	121.6	135.4	128.5	103.2	89.5	75.7	34.4	9.2
85°	61.9	71.1	84.9	75.7	73.4	73.4	98.7	66.5	25.2	6.9
87.5°	36.7	36.7	39.0	36.7	34.4	34.4	39.0	32.1	16.1	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

233820.1

228651.1

214623.8

186160.9

145808.9

103506.8

64492.5

35038.4

18225.8

10462.0

6825.5

3469.0

2262.2

1638.1

1310.0

1108.1

956.7

800.7

708.9

702.1

764.0

894.8

885.6

874.1

876.4

871.8

807.6

718.1

603.4

488.7

367.1

275.3

211.1

140.0

78.0

48.2

34.4

13.8

9.2

6.9

4.6

4.6

0.0

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