

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: P635900

Luminaire Tested: **IFLD-S-SA2E-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635900
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8825.1 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 156.2
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: 25 FT

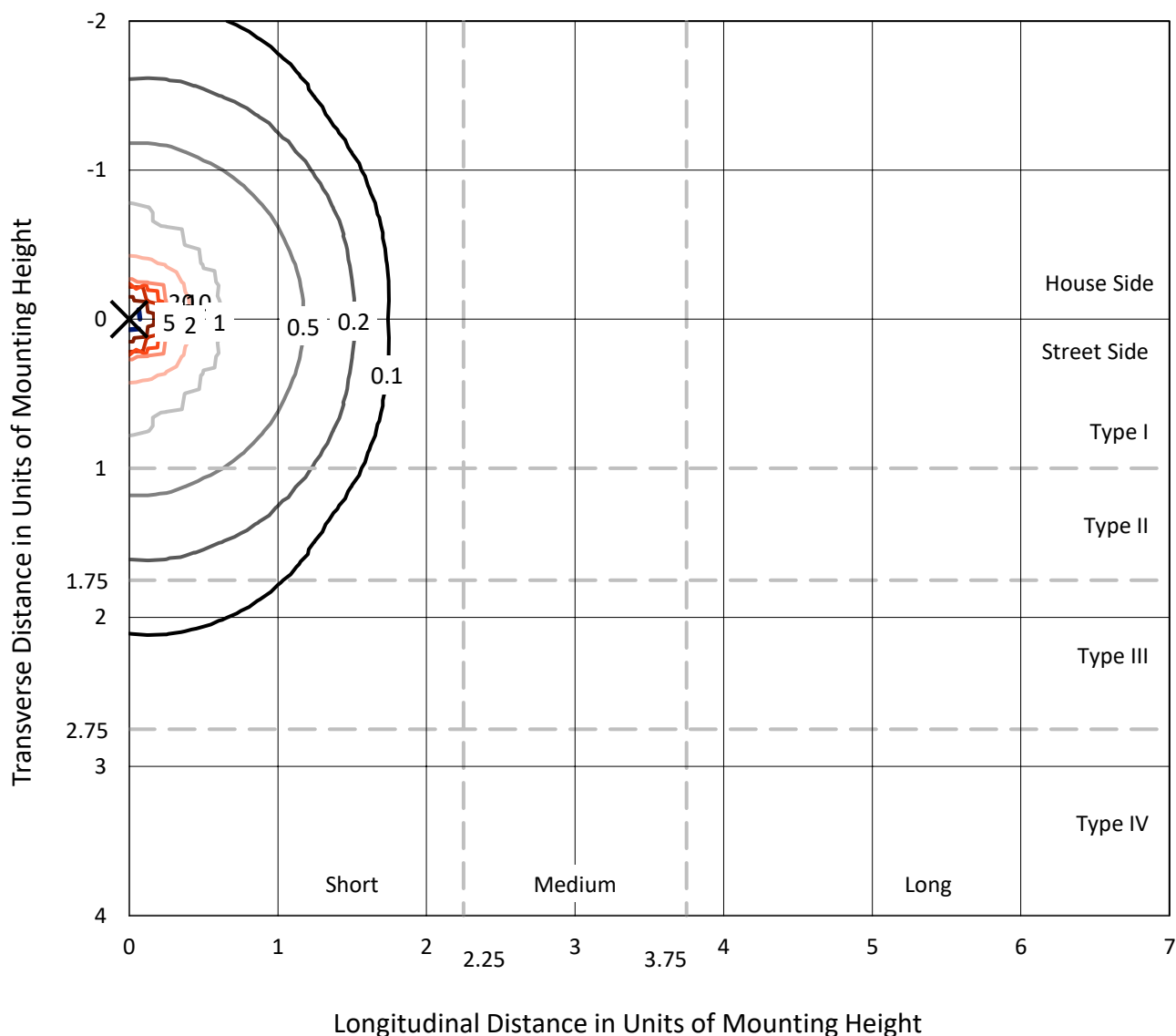


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

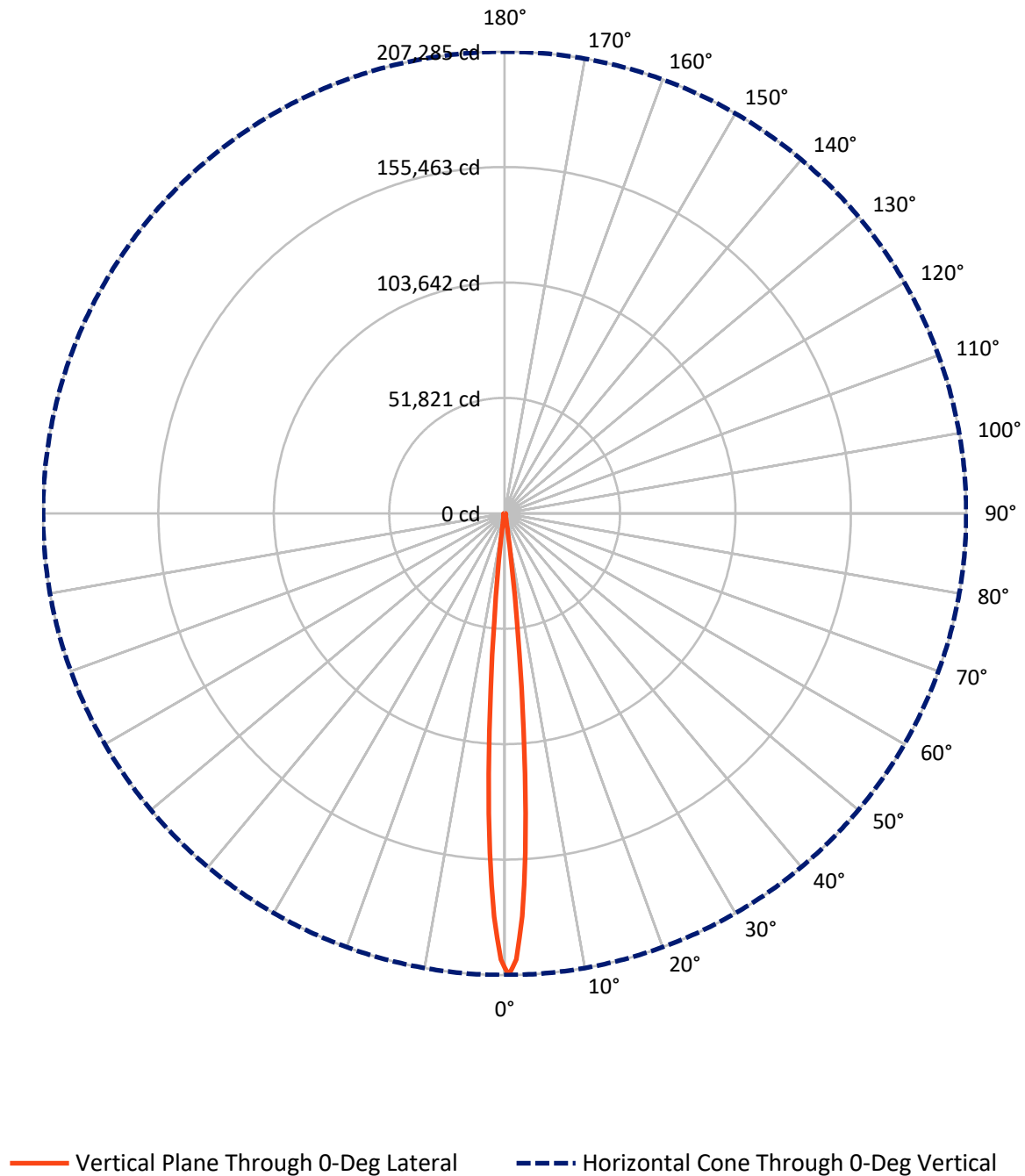


Based on 20 foot mounting height. Maximum calculated value = 518.2 fc

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	4412.5	0.0	4412.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4412.5	0.0	4412.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8825.1	0.0	8825.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5570.2	63.1
10°-20°	688.4	7.8
20°-30°	412.5	4.7
30°-40°	443.5	5.0
40°-50°	596.3	6.8
50°-60°	531.6	6.0
60°-70°	351.1	4.0
70°-80°	174.1	2.0
80°-90°	57.5	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°	8825.1	100.0
0°-180°	8825.1	100.0

Coefficient of Utilization



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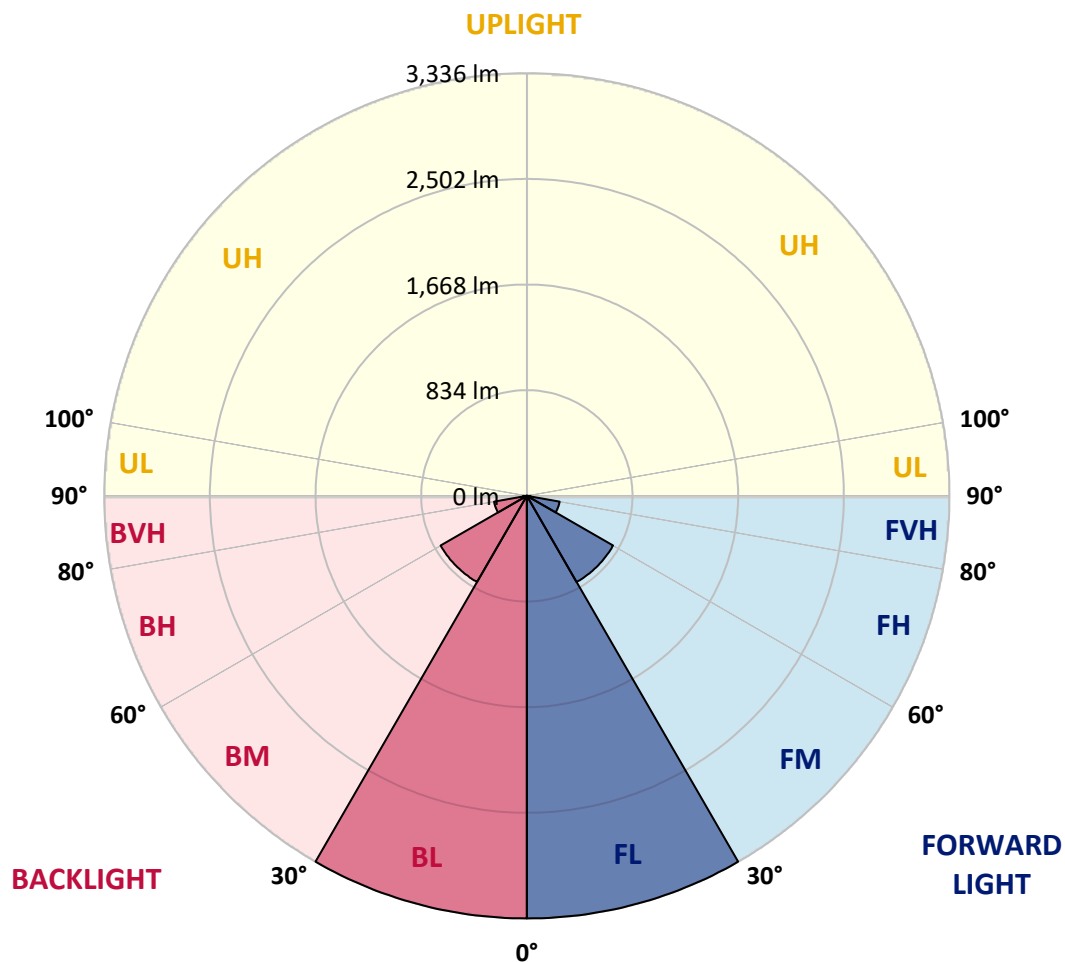
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3335.5	37.8			
FM	(30°-60°)	785.7	8.9			
FH	(60°-80°)	262.6	3.0			G0/660
FVH	(80°-90°)	28.7	0.3			G1/100
BL	(0°-30°)	3335.5	37.8	B4/5000		
BM	(30°-60°)	785.7	8.9	B1/1000		
BH	(60°-80°)	262.6	3.0	B1/500		G0/660
BVH	(80°-90°)	28.7	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°	207284.5	207284.5	207284.5	207284.5	207284.5	207284.5	207284.5	207284.5	207284.5	207284.5
1°	200336.7	198280.4	199338.0	200348.9	201766.5	202390.9	203027.5	203503.5	203495.3	204280.4
2°	181203.6	177890.4	179426.0	181309.4	184952.1	185997.5	187744.7	189906.7	190038.9	191995.6
3°	152732.9	148081.3	150343.0	153696.9	159735.6	161297.7	164098.4	166075.3	165192.6	167482.8
4°	117202.4	111133.2	114588.8	119553.6	125431.6	131395.0	131513.0	132930.6	130020.1	129879.8
5°	79072.6	73721.3	78155.3	84364.8	89443.5	93611.0	96177.8	96354.7	93208.3	92921.5
6°	48226.2	44685.1	48543.5	55115.1	62150.4	63883.3	64275.8	63385.0	59258.1	56974.1
7°	26654.5	25210.4	28981.3	32902.7	38388.1	40924.4	39169.2	36321.7	35058.6	32339.3
8°	14699.1	13987.2	15063.2	18451.7	22708.7	24374.4	22680.2	19722.9	17593.4	16840.8
9°	8861.8	8467.2	8906.5	10196.0	12034.7	13189.9	12219.8	10763.5	9864.5	9614.3
10°	5886.2	5731.6	5918.7	6354.0	7015.0	7352.6	7110.6	6532.9	6260.4	6244.1
12.5°	3089.5	3061.0	3107.8	3156.6	3270.5	3288.8	3246.1	3205.5	3142.4	3166.8
15°	1989.2	1962.7	2011.5	2074.6	2103.1	2121.4	2123.4	2101.0	2058.3	2038.0
17.5°	1450.2	1456.3	1460.4	1497.0	1551.9	1594.6	1576.3	1551.9	1503.1	1478.7
20°	1193.9	1195.9	1204.1	1224.4	1242.7	1301.7	1283.4	1246.8	1200.0	1181.7
22.5°	1021.0	1025.1	1029.2	1041.4	1045.4	1061.7	1063.7	1031.2	1004.8	994.6
25°	899.0	899.0	905.1	915.3	919.3	907.1	909.2	894.9	870.5	858.3
27.5°	762.7	766.8	772.9	777.0	768.8	754.6	736.3	748.5	736.3	707.8
30°	679.3	683.4	701.7	689.5	671.2	652.9	642.7	659.0	661.0	636.6
32.5°	673.2	675.3	681.4	675.3	652.9	630.5	616.3	634.6	638.6	628.5
35°	703.7	697.6	705.8	709.8	687.5	663.1	644.8	661.0	673.2	677.3
37.5°	852.2	817.6	791.2	783.1	768.8	752.5	728.1	732.2	754.6	774.9
40°	811.5	803.4	793.2	766.8	740.3	760.7	732.2	724.1	774.9	779.0
42.5°	805.4	811.5	803.4	770.9	744.4	764.8	758.7	734.2	785.1	779.0
45°	809.5	815.6	833.9	779.0	756.6	766.8	779.0	752.5	803.4	783.1
47.5°	777.0	785.1	805.4	774.9	760.7	758.7	777.0	752.5	779.0	777.0
50°	734.2	742.4	748.5	722.0	748.5	734.2	736.3	726.1	726.1	730.2
52.5°	679.3	687.5	693.6	663.1	679.3	685.4	661.0	659.0	640.7	646.8
55°	612.2	624.4	630.5	618.3	610.2	622.4	587.8	583.7	547.1	549.2
57.5°	534.9	547.1	553.2	567.5	561.4	537.0	516.6	500.3	459.7	443.4
60°	551.2	563.4	551.2	510.5	510.5	455.6	437.3	402.7	362.0	341.7
62.5°	532.9	549.2	547.1	504.4	453.6	384.4	351.9	315.3	274.6	248.1
65°	502.4	518.6	510.5	482.0	433.2	329.5	280.7	244.1	193.2	187.1
67.5°	451.5	475.9	459.7	441.4	402.7	299.0	223.7	183.1	140.3	140.3
70°	374.2	392.5	402.7	382.4	360.0	280.7	191.2	140.3	101.7	77.3
72.5°	301.0	317.3	333.6	323.4	303.1	254.2	170.8	111.9	73.2	44.7
75°	166.8	172.9	179.0	203.4	231.9	207.5	156.6	97.6	61.0	34.6
77.5°	128.1	134.2	148.5	136.3	126.1	160.7	170.8	113.9	52.9	24.4
80°	99.7	107.8	152.5	126.1	107.8	122.0	146.4	99.7	34.6	12.2
82.5°	75.3	81.4	107.8	120.0	113.9	91.5	79.3	67.1	30.5	8.1
85°	54.9	63.1	75.3	67.1	65.1	65.1	87.5	59.0	22.4	6.1
87.5°	32.5	32.5	34.6	32.5	30.5	30.5	34.6	28.5	14.2	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

207284.5

202702.1
190266.7
165034.0
129261.5
91760.1
57173.4
31062.0
16157.4
9274.7
6050.9
3075.3
2005.4
1452.2
1161.4
982.4
848.1
709.8
628.5
622.4
677.3
793.2
785.1
774.9
777.0
772.9
715.9
636.6
534.9
433.2
325.4
244.1
187.1
124.1
69.2
42.7
30.5
12.2
8.1
6.1
4.1
4.1
0.0

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