

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: P635846

Luminaire Tested: **IFLD-S-SA3D-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635846
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10835.4 lumens
Efficiency: N/A
Efficacy: 58.9 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): 184.1
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



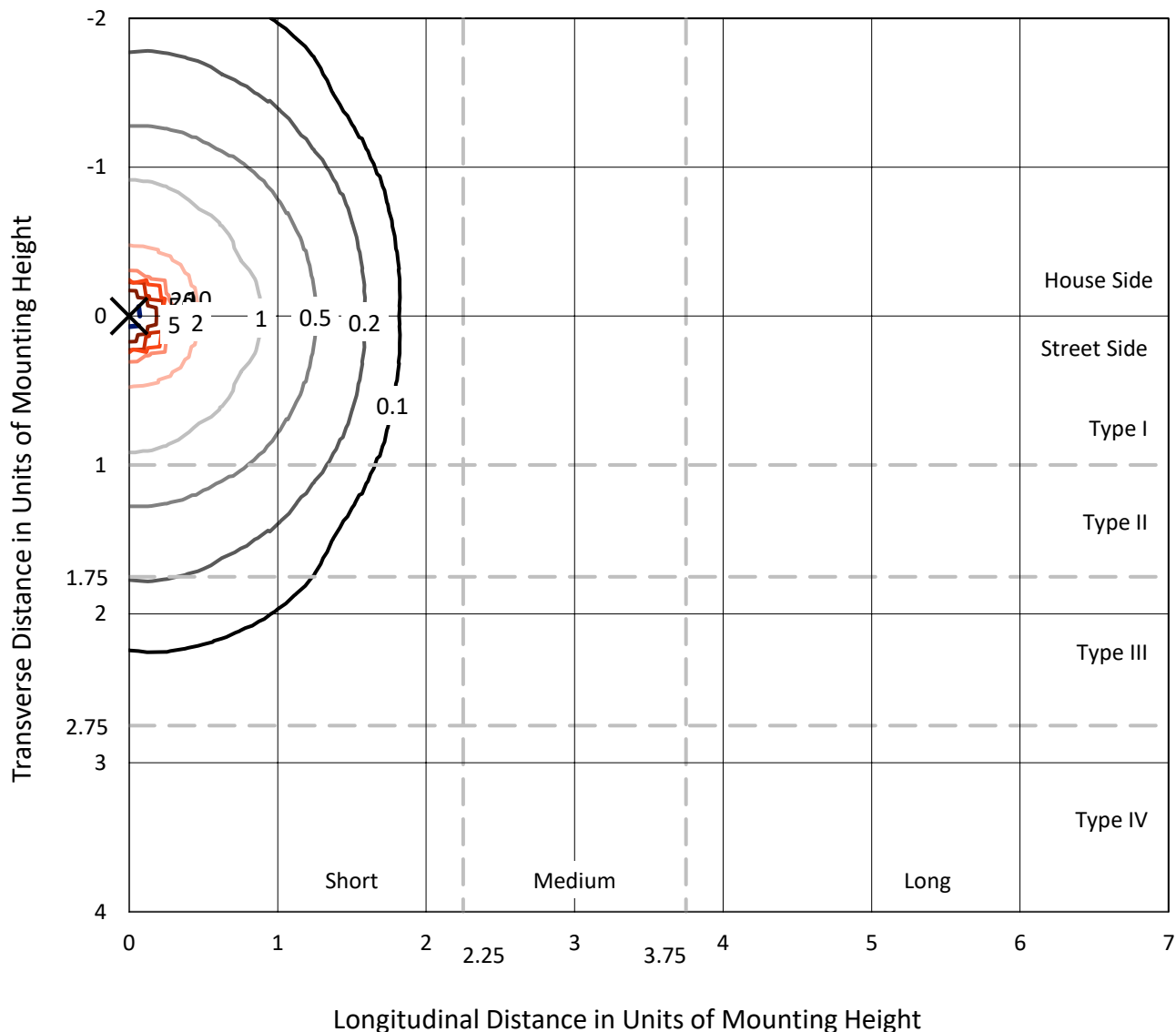
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

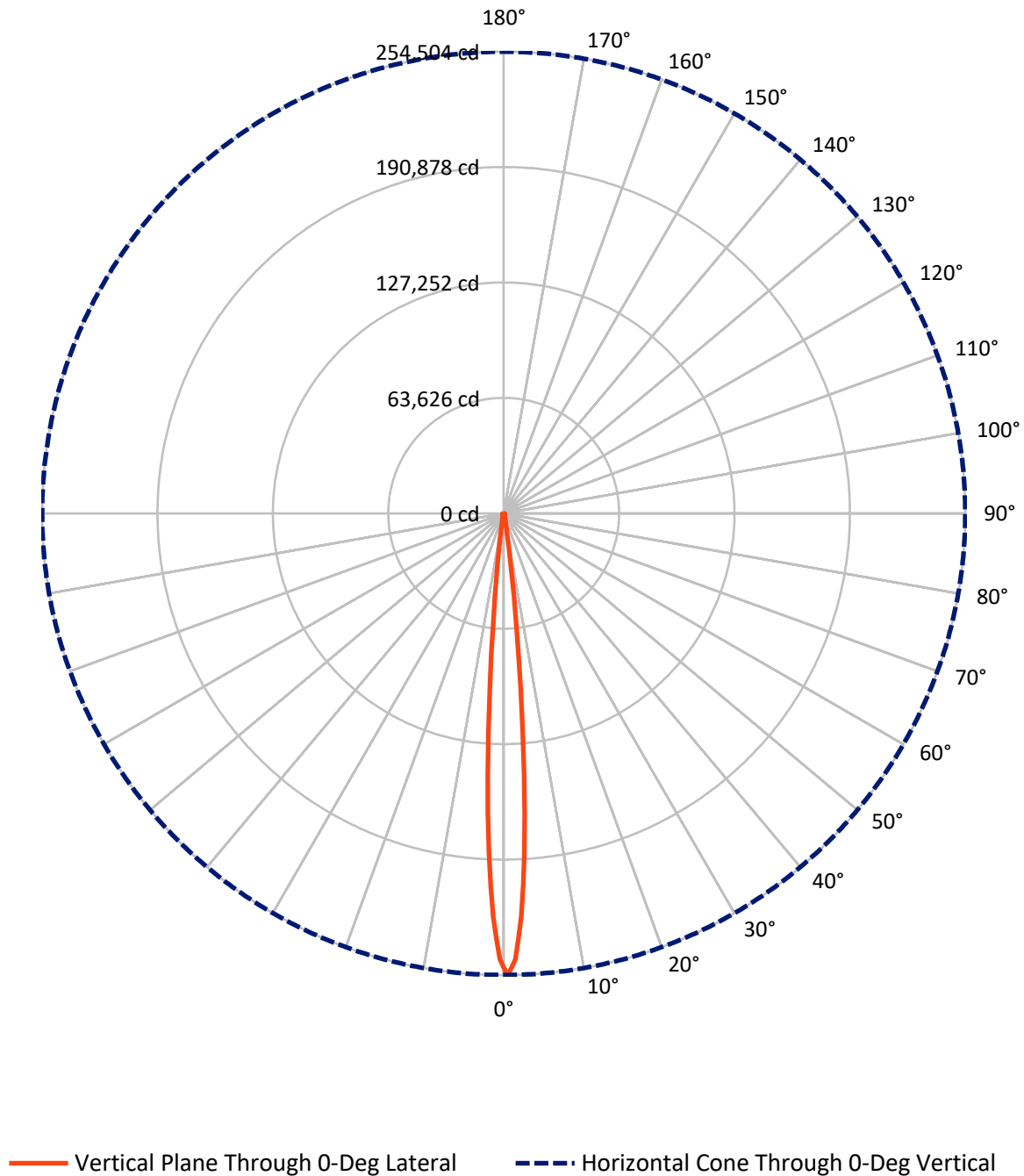
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 636.3 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	5417.7	0.0	5417.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5417.7	0.0	5417.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10835.4	0.0	10835.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6839.1	63.1
10°-20°	845.2	7.8
20°-30°	506.4	4.7
30°-40°	544.5	5.0
40°-50°	732.1	6.8
50°-60°	652.7	6.0
60°-70°	431.1	4.0
70°-80°	213.8	2.0
80°-90°	70.6	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°	10835.4	100.0
0°-180°	10835.4	100.0



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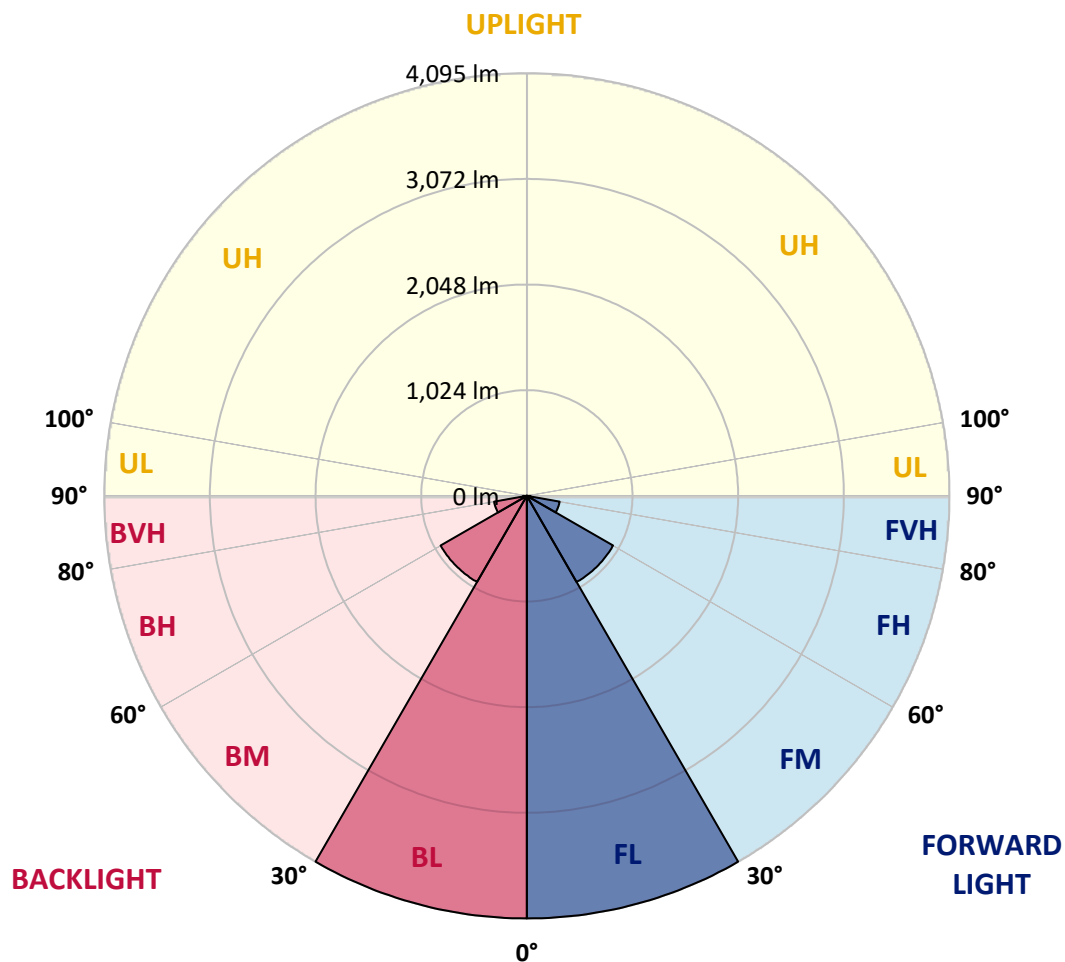
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4095.3	37.8			
FM	(30°-60°)	964.7	8.9			
FH	(60°-80°)	322.4	3.0			G0/660
FVH	(80°-90°)	35.3	0.3			G1/100
BL	(0°-30°)	4095.3	37.8	B4/5000		
BM	(30°-60°)	964.7	8.9	B1/1000		
BH	(60°-80°)	322.4	3.0	B1/500		G0/660
BVH	(80°-90°)	35.3	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°	254503.8	254503.8	254503.8	254503.8	254503.8	254503.8	254503.8	254503.8	254503.8	254503.8
1°	245973.2	243448.5	244747.1	245988.2	247728.8	248495.4	249277.1	249861.4	249851.4	250815.4
2°	222481.7	218413.7	220299.1	222611.5	227084.1	228367.7	230512.8	233167.4	233329.7	235732.0
3°	187525.3	181814.1	184591.0	188709.0	196123.3	198041.2	201479.9	203907.2	202823.4	205635.3
4°	143901.0	136449.2	140692.0	146787.8	154004.8	161326.7	161471.6	163212.2	159638.6	159466.3
5°	97085.2	90515.0	95959.0	103583.1	109818.7	114935.5	118087.0	118304.3	114441.1	114088.9
6°	59212.1	54864.4	59601.6	67670.2	76308.2	78435.8	78917.8	77824.0	72757.1	69952.7
7°	32726.3	30953.3	35583.2	40397.9	47132.9	50247.0	48091.9	44595.7	43044.9	39706.1
8°	18047.6	17173.5	18494.6	22655.0	27881.7	29926.9	27846.7	24215.7	21601.1	20677.2
9°	10880.5	10396.0	10935.4	12518.7	14776.2	16194.6	15003.4	13215.4	12111.6	11804.5
10°	7227.0	7037.2	7267.0	7801.4	8613.0	9027.5	8730.4	8021.1	7686.5	7666.5
12.5°	3793.3	3758.3	3815.8	3875.7	4015.6	4038.0	3985.6	3935.7	3858.2	3888.2
15°	2442.3	2409.8	2469.8	2547.2	2582.1	2604.6	2607.1	2579.6	2527.2	2502.2
17.5°	1780.5	1788.0	1793.0	1838.0	1905.4	1957.8	1935.4	1905.4	1845.5	1815.5
20°	1465.9	1468.4	1478.4	1503.3	1525.8	1598.2	1575.8	1530.8	1473.4	1450.9
22.5°	1253.6	1258.6	1263.6	1278.6	1283.6	1303.6	1306.1	1266.1	1233.6	1221.2
25°	1103.8	1103.8	1111.3	1123.8	1128.8	1113.8	1116.3	1098.8	1068.8	1053.8
27.5°	936.5	941.5	949.0	953.9	944.0	926.5	904.0	919.0	904.0	869.0
30°	834.1	839.1	861.5	846.6	824.1	801.6	789.1	809.1	811.6	781.6
32.5°	826.6	829.1	836.6	829.1	801.6	774.1	756.7	779.1	784.1	771.6
35°	864.0	856.6	866.5	871.5	844.1	814.1	791.6	811.6	826.6	831.6
37.5°	1046.3	1003.9	971.4	961.4	944.0	924.0	894.0	899.0	926.5	951.4
40°	996.4	986.4	973.9	941.5	909.0	934.0	899.0	889.0	951.4	956.4
42.5°	988.9	996.4	986.4	946.5	914.0	939.0	931.5	901.5	963.9	956.4
45°	993.9	1001.4	1023.9	956.4	929.0	941.5	956.4	924.0	986.4	961.4
47.5°	953.9	963.9	988.9	951.4	934.0	931.5	953.9	924.0	956.4	953.9
50°	901.5	911.5	919.0	886.5	919.0	901.5	904.0	891.5	891.5	896.5
52.5°	834.1	844.1	851.6	814.1	834.1	841.6	811.6	809.1	786.6	794.1
55°	751.7	766.7	774.1	759.2	749.2	764.2	721.7	716.7	671.8	674.3
57.5°	656.8	671.8	679.2	696.7	689.2	659.3	634.3	614.3	564.4	544.4
60°	676.8	691.7	676.8	626.8	626.8	559.4	536.9	494.5	444.5	419.5
62.5°	654.3	674.3	671.8	619.3	556.9	472.0	432.0	387.1	337.1	304.7
65°	616.8	636.8	626.8	591.8	531.9	404.6	344.6	299.7	237.2	229.7
67.5°	554.4	584.4	564.4	541.9	494.5	367.1	274.7	224.8	172.3	172.3
70°	459.5	482.0	494.5	469.5	442.0	344.6	234.7	172.3	124.9	94.9
72.5°	369.6	389.6	409.5	397.1	372.1	312.2	209.8	137.3	89.9	54.9
75°	204.8	212.3	219.8	249.7	284.7	254.7	192.3	119.9	74.9	42.5
77.5°	157.3	164.8	182.3	167.3	154.8	197.3	209.8	139.8	64.9	30.0
80°	122.4	132.4	187.3	154.8	132.4	149.8	179.8	122.4	42.5	15.0
82.5°	92.4	99.9	132.4	147.3	139.8	112.4	97.4	82.4	37.5	10.0
85°	67.4	77.4	92.4	82.4	79.9	79.9	107.4	72.4	27.5	7.5
87.5°	40.0	40.0	42.5	40.0	37.5	37.5	42.5	35.0	17.5	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
254503.8
248877.5
233609.4
202628.6
158707.1
112663.0
70197.4
38137.9
19838.1
11387.4
7429.3
3775.8
2462.3
1783.0
1425.9
1206.2
1041.3
871.5
771.6
764.2
831.6
973.9
963.9
951.4
953.9
949.0
879.0
781.6
656.8
531.9
399.6
299.7
229.7
152.3
84.9
52.4
37.5
15.0
10.0
7.5
5.0
5.0
0.0

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