

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: P635888

Luminaire Tested: **IFLD-L-SA7B-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635888
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16736.5 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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



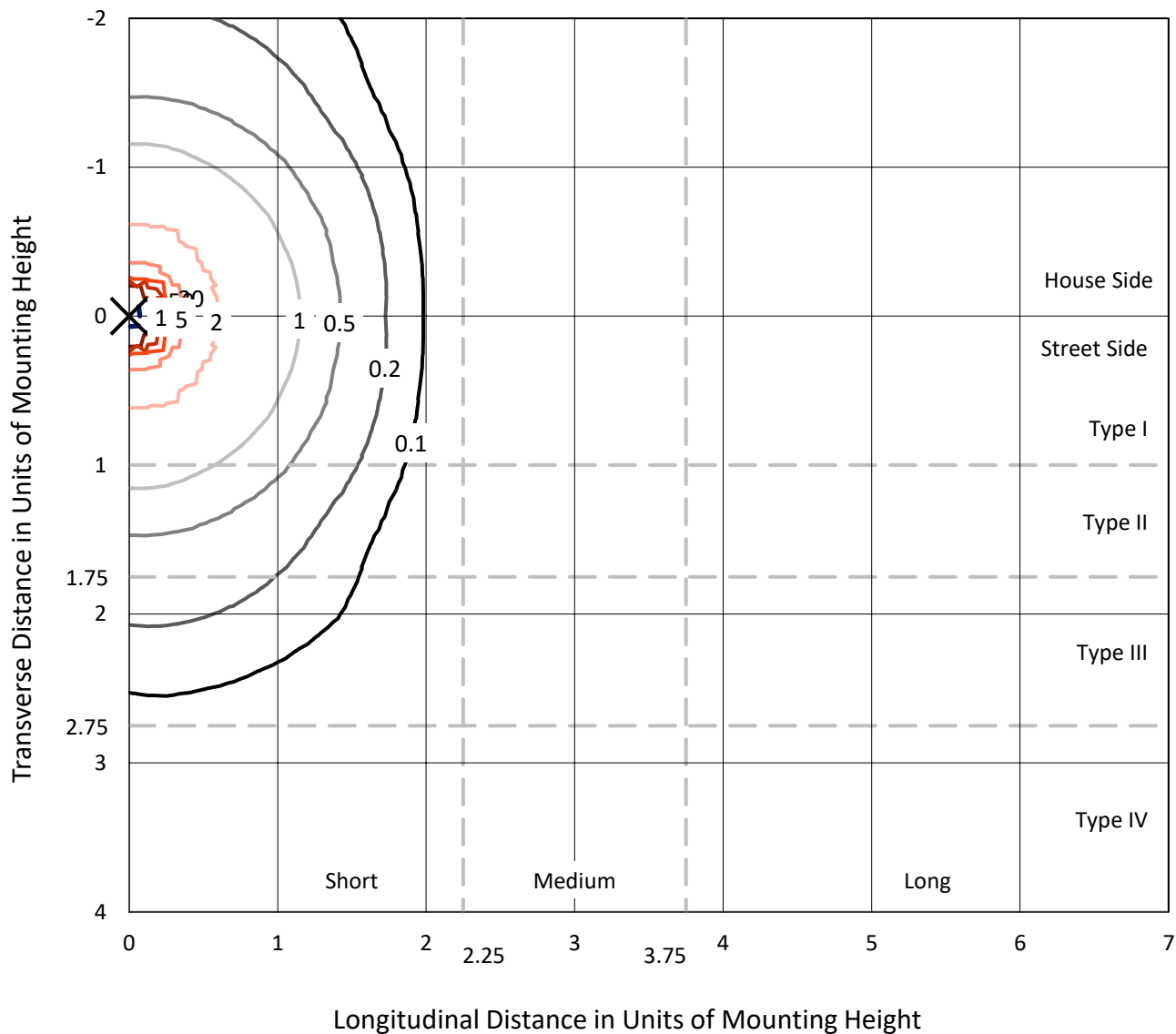
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

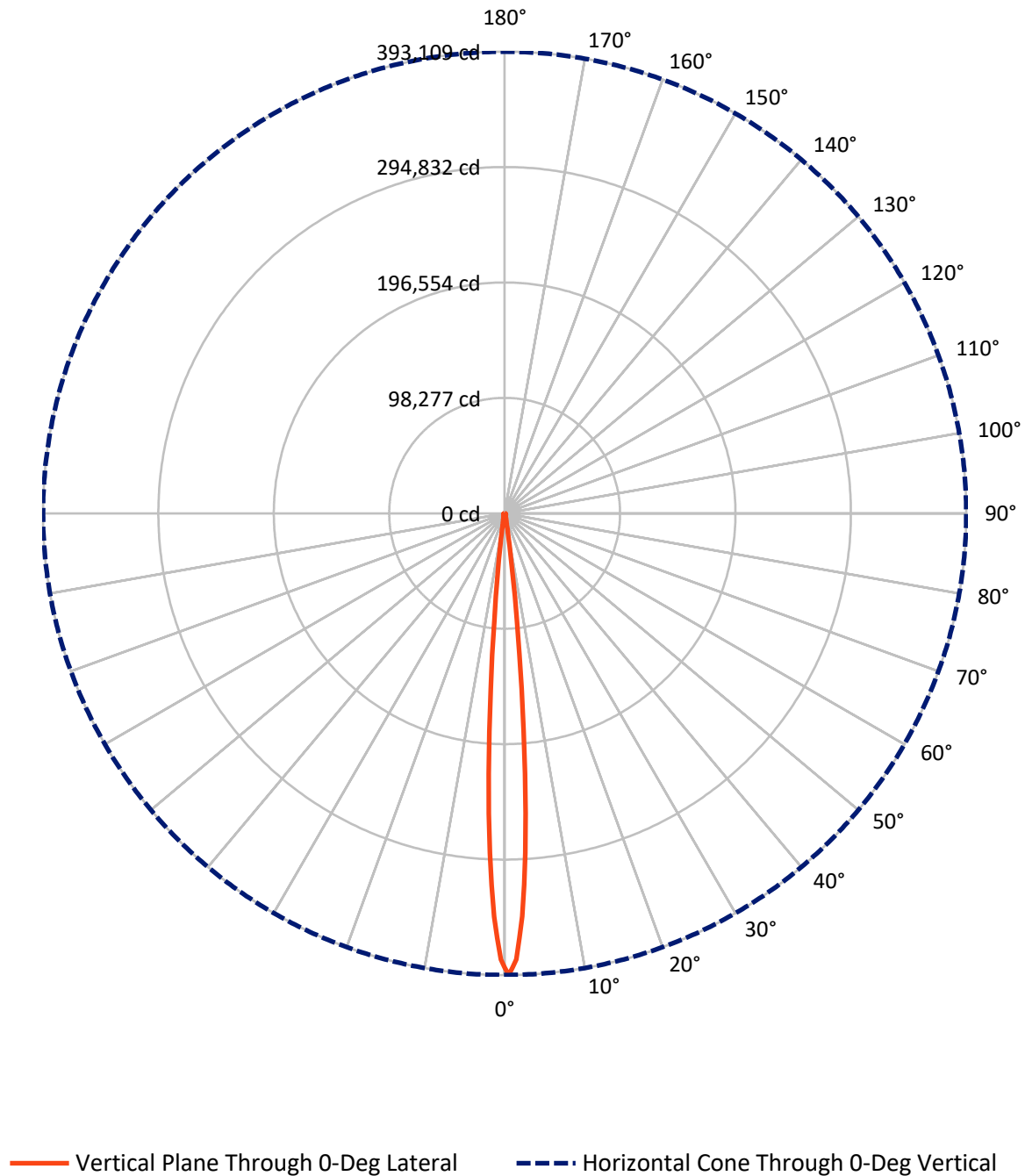


Based on 20 foot mounting height. Maximum calculated value = 982.8 fc

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	8368.2	0.0	8368.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8368.2	0.0	8368.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	16736.5	0.0	16736.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10563.7	63.1
10°-20°	1305.5	7.8
20°-30°	782.2	4.7
30°-40°	841.0	5.0
40°-50°	1130.9	6.8
50°-60°	1008.1	6.0
60°-70°	665.9	4.0
70°-80°	330.2	2.0
80°-90°	109.0	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°	16736.5	100.0
0°-180°	16736.5	100.0

Coefficient of Utilization



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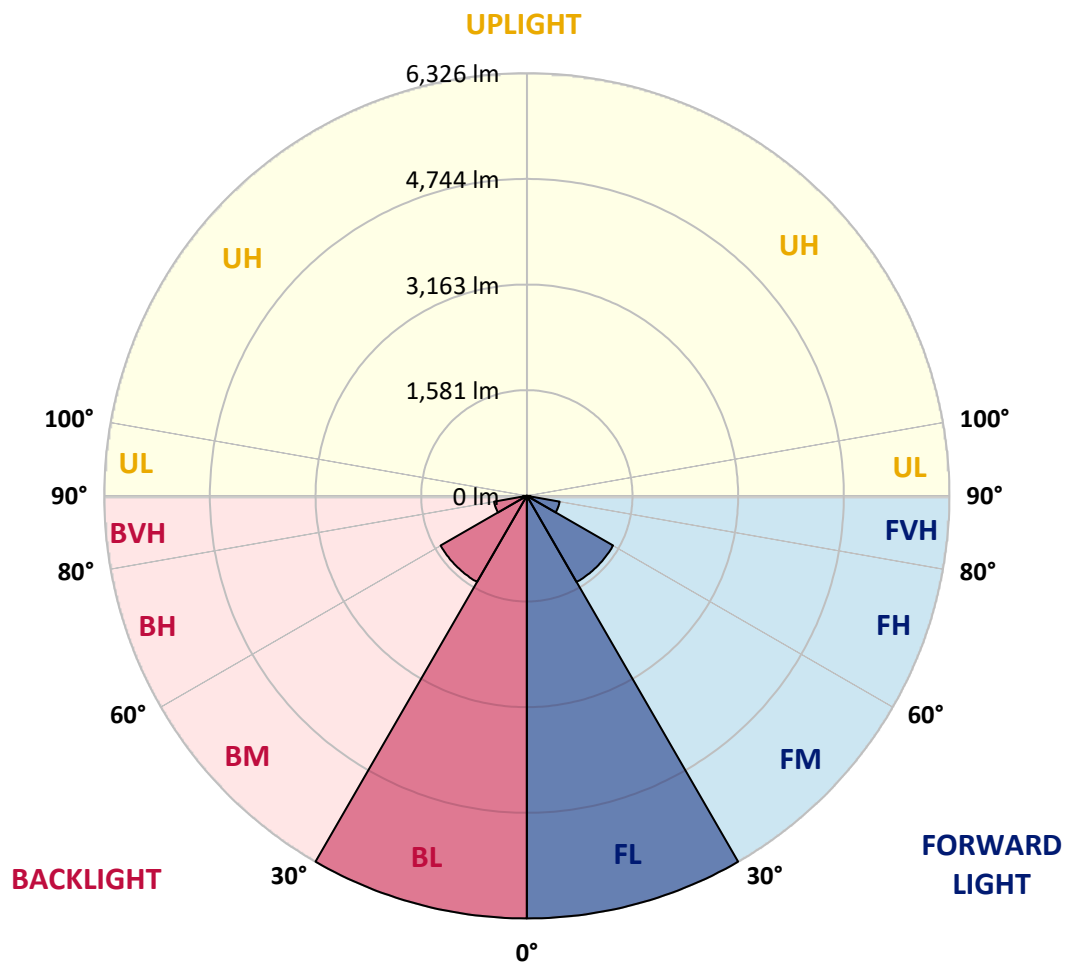
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6325.7	37.8			
FM	(30°-60°)	1490.0	8.9			
FH	(60°-80°)	498.0	3.0			G0/660
FVH	(80°-90°)	54.5	0.3			G1/100
BL	(0°-30°)	6325.7	37.8	B5		
BM	(30°-60°)	1490.0	8.9	B2/2500		
BH	(60°-80°)	498.0	3.0	B1/500		G0/660
BVH	(80°-90°)	54.5	0.3			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°	393108.8	393108.8	393108.8	393108.8	393108.8	393108.8	393108.8	393108.8	393108.8	393108.8
1°	379932.4	376032.7	378038.4	379955.5	382644.0	383828.2	385035.5	385938.1	385922.7	387411.6
2°	343647.1	337363.6	340275.9	343847.7	350756.0	352738.7	356052.1	360152.3	360403.0	364113.7
3°	289653.2	280831.6	285120.9	291481.5	302933.7	305896.1	311207.6	314956.8	313282.8	317626.0
4°	222270.7	210760.7	217314.1	226729.7	237877.2	249186.7	249410.4	252098.9	246579.2	246313.0
5°	149958.7	139810.2	148219.1	159995.3	169626.8	177530.4	182398.2	182733.8	176766.6	176222.8
6°	91459.5	84744.0	92061.2	104524.0	117866.3	121152.7	121897.1	120207.6	112381.3	108049.6
7°	50549.4	47810.7	54962.1	62398.9	72801.9	77611.9	74283.1	68882.9	66487.6	61330.4
8°	27876.4	26526.4	28566.9	34993.1	43066.3	46225.4	43012.3	37403.8	33365.3	31938.1
9°	16806.1	16057.8	16890.9	19336.4	22823.4	25014.3	23174.4	20412.6	18707.7	18233.3
10°	11162.9	10869.8	11224.6	12050.1	13303.7	13944.0	13485.0	12389.5	11872.6	11841.8
12.5°	5859.2	5805.2	5893.9	5986.5	6202.5	6237.2	6156.2	6079.0	5959.5	6005.8
15°	3772.4	3722.3	3814.8	3934.4	3988.4	4023.1	4027.0	3984.5	3903.5	3865.0
17.5°	2750.2	2761.8	2769.5	2838.9	2943.1	3024.1	2989.4	2943.1	2850.5	2804.2
20°	2264.2	2268.1	2283.5	2322.1	2356.8	2468.6	2433.9	2364.5	2275.8	2241.1
22.5°	1936.3	1944.1	1951.8	1974.9	1982.6	2013.5	2017.3	1955.6	1905.5	1886.2
25°	1704.9	1704.9	1716.5	1735.8	1743.5	1720.3	1724.2	1697.2	1650.9	1627.8
27.5°	1446.5	1454.2	1465.8	1473.5	1458.0	1431.0	1396.3	1419.5	1396.3	1342.3
30°	1288.3	1296.0	1330.8	1307.6	1272.9	1238.2	1218.9	1249.8	1253.6	1207.3
32.5°	1276.8	1280.6	1292.2	1280.6	1238.2	1195.8	1168.7	1203.5	1211.2	1191.9
35°	1334.6	1323.0	1338.5	1346.2	1303.8	1257.5	1222.8	1253.6	1276.8	1284.5
37.5°	1616.2	1550.6	1500.5	1485.0	1458.0	1427.2	1380.9	1388.6	1431.0	1469.6
40°	1539.0	1523.6	1504.3	1454.2	1404.0	1442.6	1388.6	1373.2	1469.6	1477.3
42.5°	1527.5	1539.0	1523.6	1461.9	1411.8	1450.3	1438.8	1392.5	1488.9	1477.3
45°	1535.2	1546.8	1581.5	1477.3	1434.9	1454.2	1477.3	1427.2	1523.6	1485.0
47.5°	1473.5	1488.9	1527.5	1469.6	1442.6	1438.8	1473.5	1427.2	1477.3	1473.5
50°	1392.5	1407.9	1419.5	1369.3	1419.5	1392.5	1396.3	1377.0	1377.0	1384.8
52.5°	1288.3	1303.8	1315.3	1257.5	1288.3	1299.9	1253.6	1249.8	1215.0	1226.6
55°	1161.0	1184.2	1195.8	1172.6	1157.2	1180.3	1114.7	1107.0	1037.6	1041.5
57.5°	1014.5	1037.6	1049.2	1076.2	1064.6	1018.3	979.7	948.9	871.7	840.9
60°	1045.3	1068.5	1045.3	968.2	968.2	864.0	829.3	763.7	686.6	648.0
62.5°	1010.6	1041.5	1037.6	956.6	860.2	729.0	667.3	597.9	520.7	470.6
65°	952.7	983.6	968.2	914.2	821.6	624.9	532.3	462.9	366.4	354.9
67.5°	856.3	902.6	871.7	837.0	763.7	567.0	424.3	347.2	266.2	266.2
70°	709.7	744.5	763.7	725.2	682.7	532.3	362.6	266.2	192.9	146.6
72.5°	570.9	601.7	632.6	613.3	574.7	482.2	324.0	212.1	138.9	84.9
75°	316.3	327.9	339.4	385.7	439.7	393.4	297.0	185.1	115.7	65.6
77.5°	243.0	254.6	281.6	258.4	239.2	304.7	324.0	216.0	100.3	46.3
80°	189.0	204.4	289.3	239.2	204.4	231.4	277.7	189.0	65.6	23.1
82.5°	142.7	154.3	204.4	227.6	216.0	173.6	150.4	127.3	57.9	15.4
85°	104.1	119.6	142.7	127.3	123.4	123.4	165.9	111.9	42.4	11.6
87.5°	61.7	61.7	65.6	61.7	57.9	57.9	65.6	54.0	27.0	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

393108.8

384418.3
360835.1
312981.9
245140.4
174020.3
108427.6
58908.1
30642.1
17589.1
11475.3
5832.2
3803.3
2754.1
2202.5
1863.1
1608.5
1346.2
1191.9
1180.3
1284.5
1504.3
1488.9
1469.6
1473.5
1465.8
1357.8
1207.3
1014.5
821.6
617.2
462.9
354.9
235.3
131.1
81.0
57.9
23.1
15.4
11.6
7.7
7.7
0.0

OF REPORT)