

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: P635877

Luminaire Tested: **IFLD-S-SA6A-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635877
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12684.3 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 189.6
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



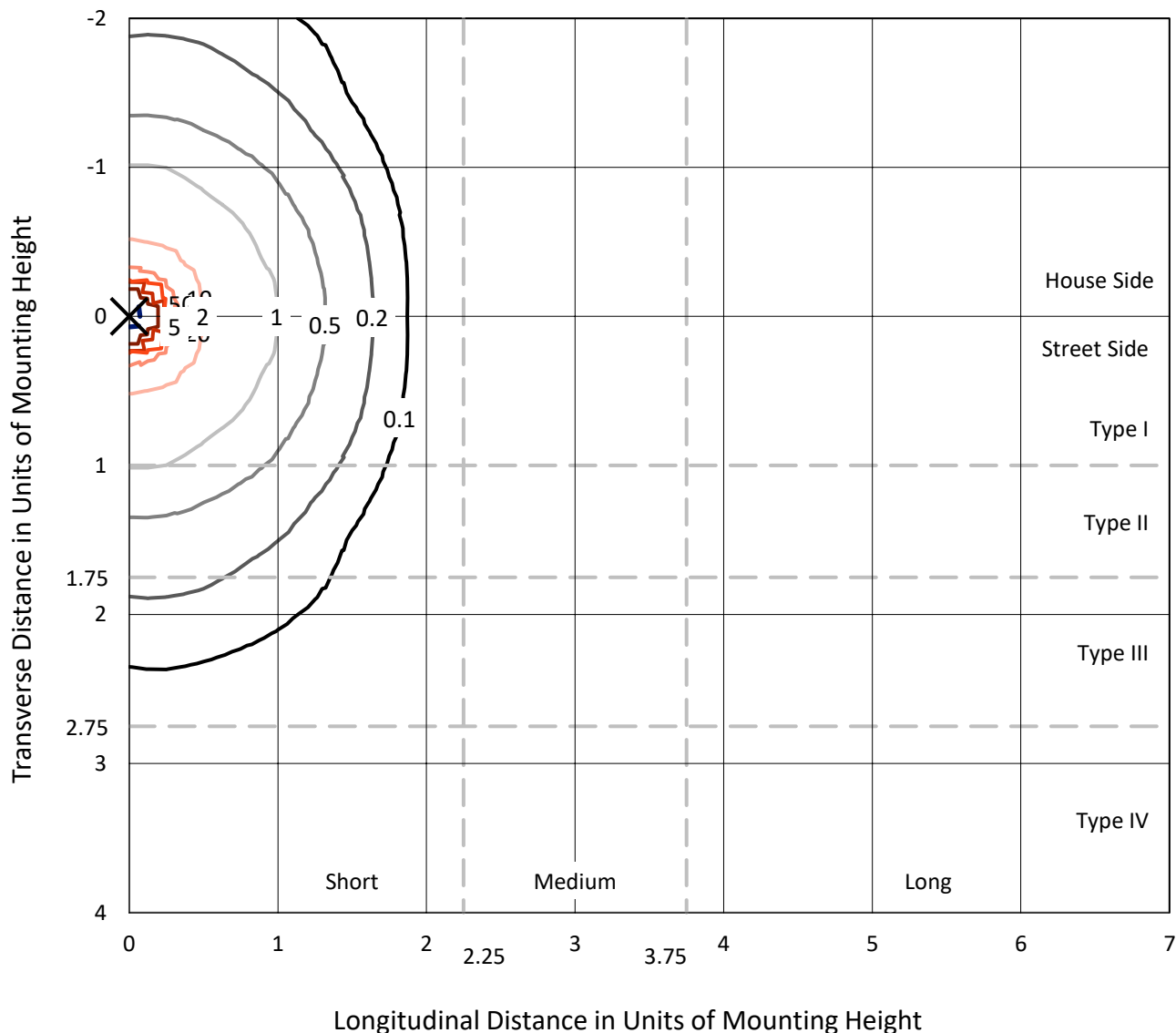
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

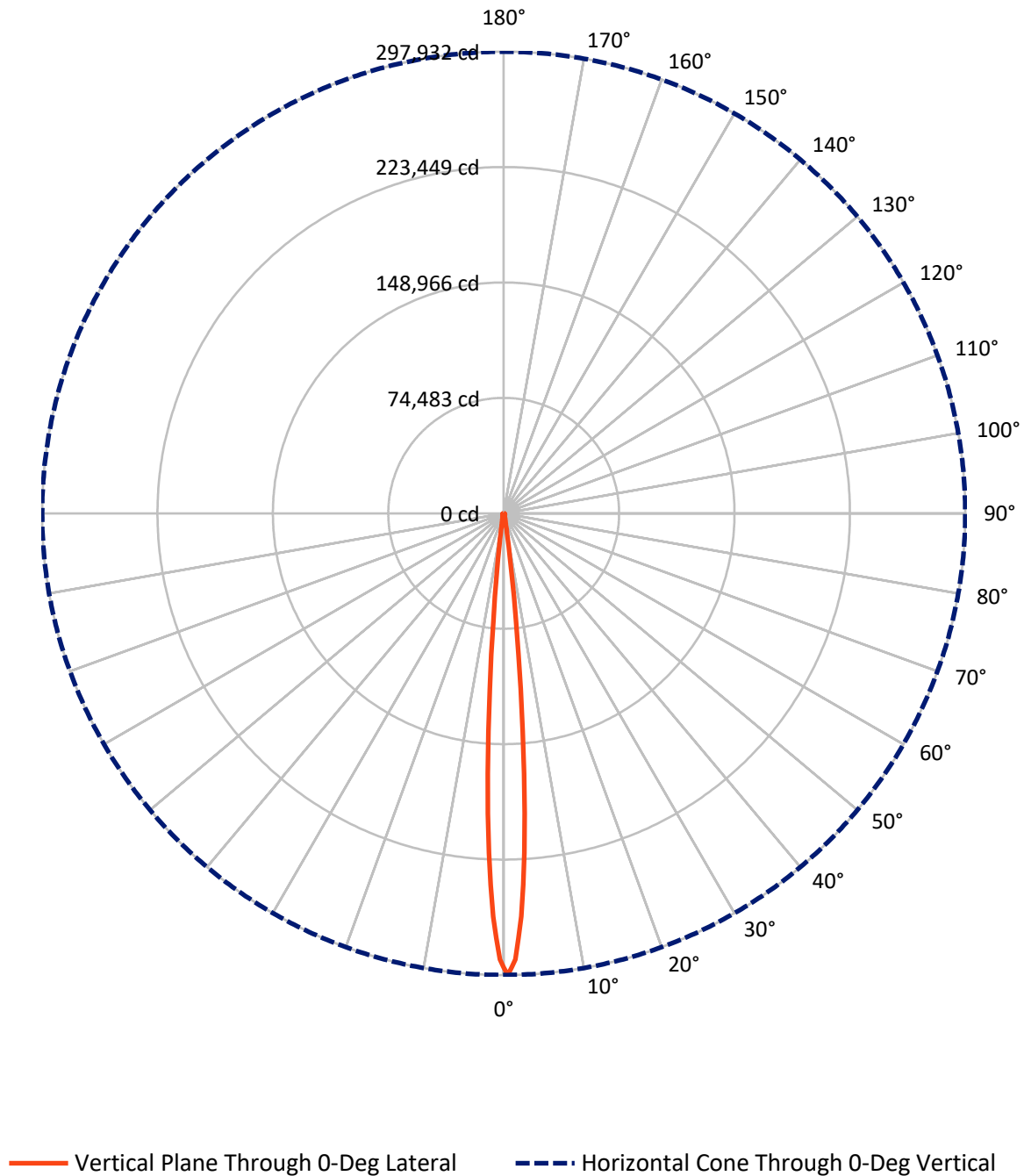


Based on 20 foot mounting height. Maximum calculated value = 744.8 fc

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	6342.2	0.0	6342.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6342.2	0.0	6342.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12684.3	0.0	12684.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8006.1	63.1
10°-20°	989.4	7.8
20°-30°	592.8	4.7
30°-40°	637.4	5.0
40°-50°	857.1	6.8
50°-60°	764.0	6.0
60°-70°	504.7	4.0
70°-80°	250.2	2.0
80°-90°	82.6	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°	12684.3	100.0
0°-180°	12684.3	100.0

Coefficient of Utilization



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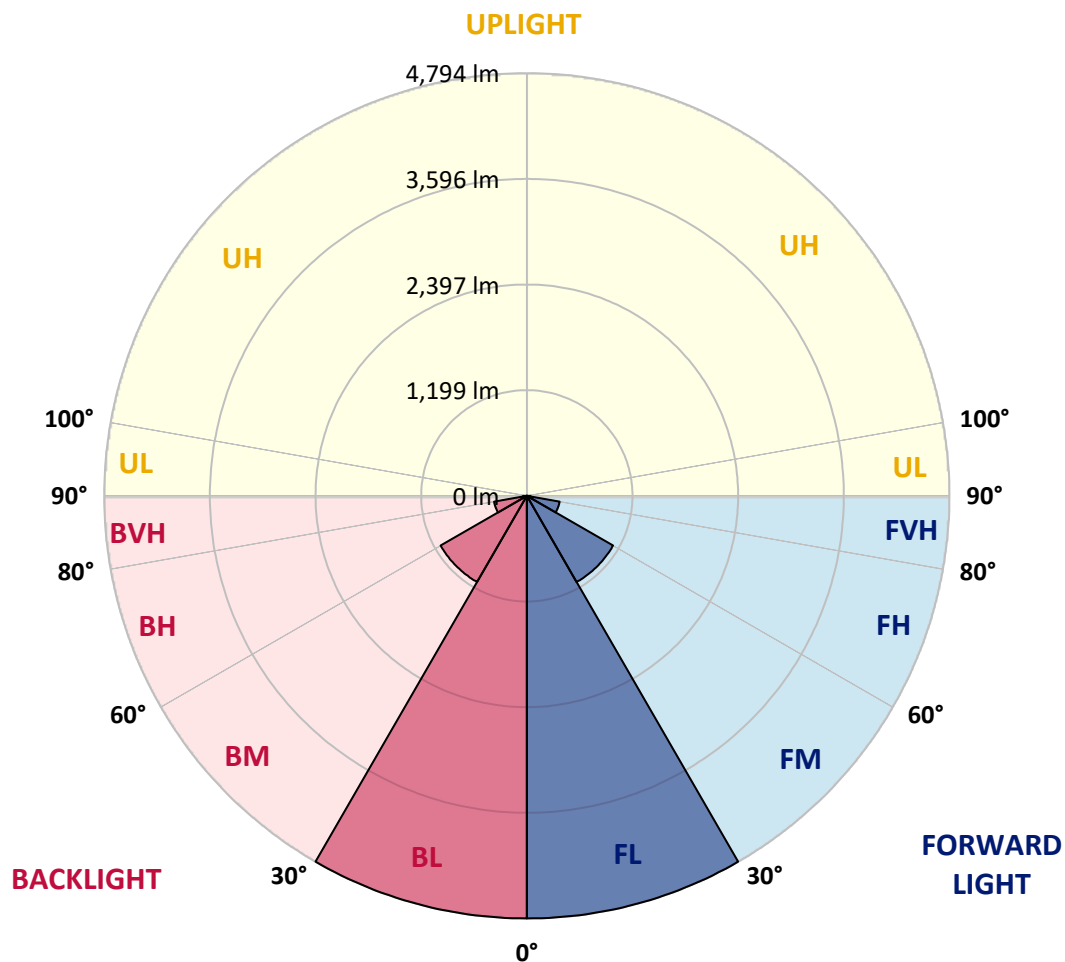
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4794.2	37.8			
FM	(30°-60°)	1129.3	8.9			
FH	(60°-80°)	377.4	3.0			G0/660
FVH	(80°-90°)	41.3	0.3			G1/100
BL	(0°-30°)	4794.2	37.8	B4/5000		
BM	(30°-60°)	1129.3	8.9	B2/2500		
BH	(60°-80°)	377.4	3.0	B1/500		G0/660
BVH	(80°-90°)	41.3	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°	297932.1	297932.1	297932.1	297932.1	297932.1	297932.1	297932.1	297932.1	297932.1	297932.1
1°	287945.9	284990.4	286510.5	287963.4	290001.0	290898.5	291813.5	292497.6	292485.9	293614.3
2°	260445.8	255683.6	257890.7	260597.8	265833.5	267336.1	269847.3	272954.8	273144.9	275957.1
3°	219524.5	212838.7	216089.5	220910.1	229589.6	231834.8	235860.2	238701.7	237433.0	240724.7
4°	168456.1	159732.8	164699.6	171835.6	180284.1	188855.4	189025.0	191062.5	186879.2	186677.5
5°	113651.8	105960.4	112333.3	121258.4	128558.0	134548.0	138237.3	138491.6	133969.2	133557.0
6°	69316.0	64226.4	69772.0	79217.4	89329.3	91820.1	92384.3	91103.8	85172.3	81889.4
7°	38310.7	36235.1	41655.1	47291.3	55175.6	58821.1	56298.2	52205.5	50390.1	46481.5
8°	21127.2	20104.0	21650.5	26520.8	32639.4	35033.6	32598.5	28347.9	25287.1	24205.5
9°	12737.1	12170.0	12801.4	14654.8	17297.6	18958.0	17563.6	15470.5	14178.3	13818.8
10°	8460.2	8238.1	8507.0	9132.6	10082.7	10568.0	10220.1	9389.9	8998.1	8974.7
12.5°	4440.6	4399.7	4466.9	4537.1	4700.8	4727.1	4665.7	4607.2	4516.6	4551.7
15°	2859.1	2821.0	2891.2	2981.8	3022.8	3049.1	3052.0	3019.8	2958.4	2929.2
17.5°	2084.4	2093.1	2099.0	2151.6	2230.5	2291.9	2265.6	2230.5	2160.4	2125.3
20°	1716.0	1718.9	1730.6	1759.9	1786.2	1871.0	1844.6	1792.0	1724.8	1698.5
22.5°	1467.5	1473.4	1479.2	1496.8	1502.6	1526.0	1528.9	1482.1	1444.1	1429.5
25°	1292.1	1292.1	1300.9	1315.5	1321.4	1303.8	1306.7	1286.3	1251.2	1233.7
27.5°	1096.3	1102.1	1110.9	1116.7	1105.0	1084.6	1058.3	1075.8	1058.3	1017.3
30°	976.4	982.3	1008.6	991.0	964.7	938.4	923.8	947.2	950.1	915.0
32.5°	967.6	970.6	979.3	970.6	938.4	906.2	885.8	912.1	917.9	903.3
35°	1011.5	1002.7	1014.4	1020.3	988.1	953.0	926.7	950.1	967.6	973.5
37.5°	1224.9	1175.2	1137.2	1125.5	1105.0	1081.6	1046.6	1052.4	1084.6	1113.8
40°	1166.4	1154.7	1140.1	1102.1	1064.1	1093.3	1052.4	1040.7	1113.8	1119.6
42.5°	1157.7	1166.4	1154.7	1108.0	1070.0	1099.2	1090.4	1055.3	1128.4	1119.6
45°	1163.5	1172.3	1198.6	1119.6	1087.5	1102.1	1119.6	1081.6	1154.7	1125.5
47.5°	1116.7	1128.4	1157.7	1113.8	1093.3	1090.4	1116.7	1081.6	1119.6	1116.7
50°	1055.3	1067.0	1075.8	1037.8	1075.8	1055.3	1058.3	1043.6	1043.6	1049.5
52.5°	976.4	988.1	996.9	953.0	976.4	985.2	950.1	947.2	920.9	929.6
55°	879.9	897.5	906.2	888.7	877.0	894.6	844.9	839.0	786.4	789.3
57.5°	768.8	786.4	795.2	815.6	806.8	771.8	742.5	719.1	660.7	637.3
60°	792.2	809.8	792.2	733.8	733.8	654.8	628.5	578.8	520.4	491.1
62.5°	765.9	789.3	786.4	725.0	651.9	552.5	505.7	453.1	394.7	356.7
65°	722.1	745.5	733.8	692.8	622.7	473.6	403.4	350.8	277.7	268.9
67.5°	649.0	684.1	660.7	634.4	578.8	429.7	321.6	263.1	201.7	201.7
70°	537.9	564.2	578.8	549.6	517.4	403.4	274.8	201.7	146.2	111.1
72.5°	432.7	456.0	479.4	464.8	435.6	365.4	245.6	160.8	105.2	64.3
75°	239.7	248.5	257.3	292.3	333.3	298.2	225.1	140.3	87.7	49.7
77.5°	184.2	192.9	213.4	195.9	181.2	230.9	245.6	163.7	76.0	35.1
80°	143.2	154.9	219.3	181.2	154.9	175.4	210.5	143.2	49.7	17.5
82.5°	108.2	116.9	154.9	172.5	163.7	131.6	114.0	96.5	43.9	11.7
85°	78.9	90.6	108.2	96.5	93.5	93.5	125.7	84.8	32.2	8.8
87.5°	46.8	46.8	49.7	46.8	43.9	43.9	49.7	40.9	20.5	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

297932.1

291345.8

273472.3

237205.0

185788.8

131887.7

82175.9

44645.7

23223.2

13330.6

8697.0

4420.1

2882.4

2087.3

1669.2

1412.0

1219.0

1020.3

903.3

894.6

973.5

1140.1

1128.4

1113.8

1116.7

1110.9

1029.0

915.0

768.8

622.7

467.7

350.8

268.9

178.3

99.4

61.4

43.9

17.5

11.7

8.8

5.8

5.8

0.0

OF REPORT)