

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: P635893

Luminaire Tested: **IFLD-L-SA8B-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635893
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19127 lumens
Efficiency: N/A
Efficacy: 59.8 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): 320
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

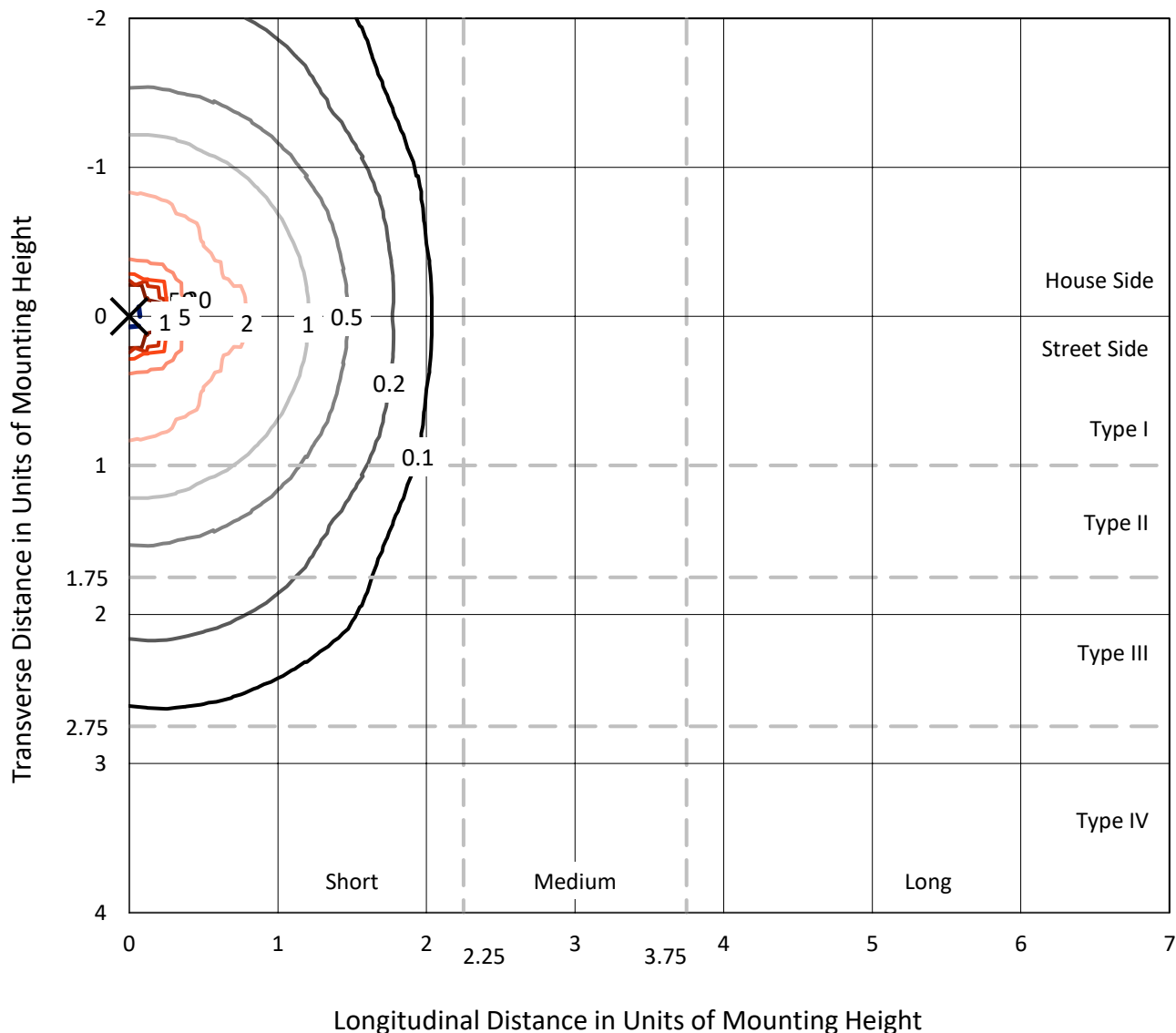


REPORT NUMBER: P635893
 CATALOG NUMBER: IFLD-L-SA8B-930-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

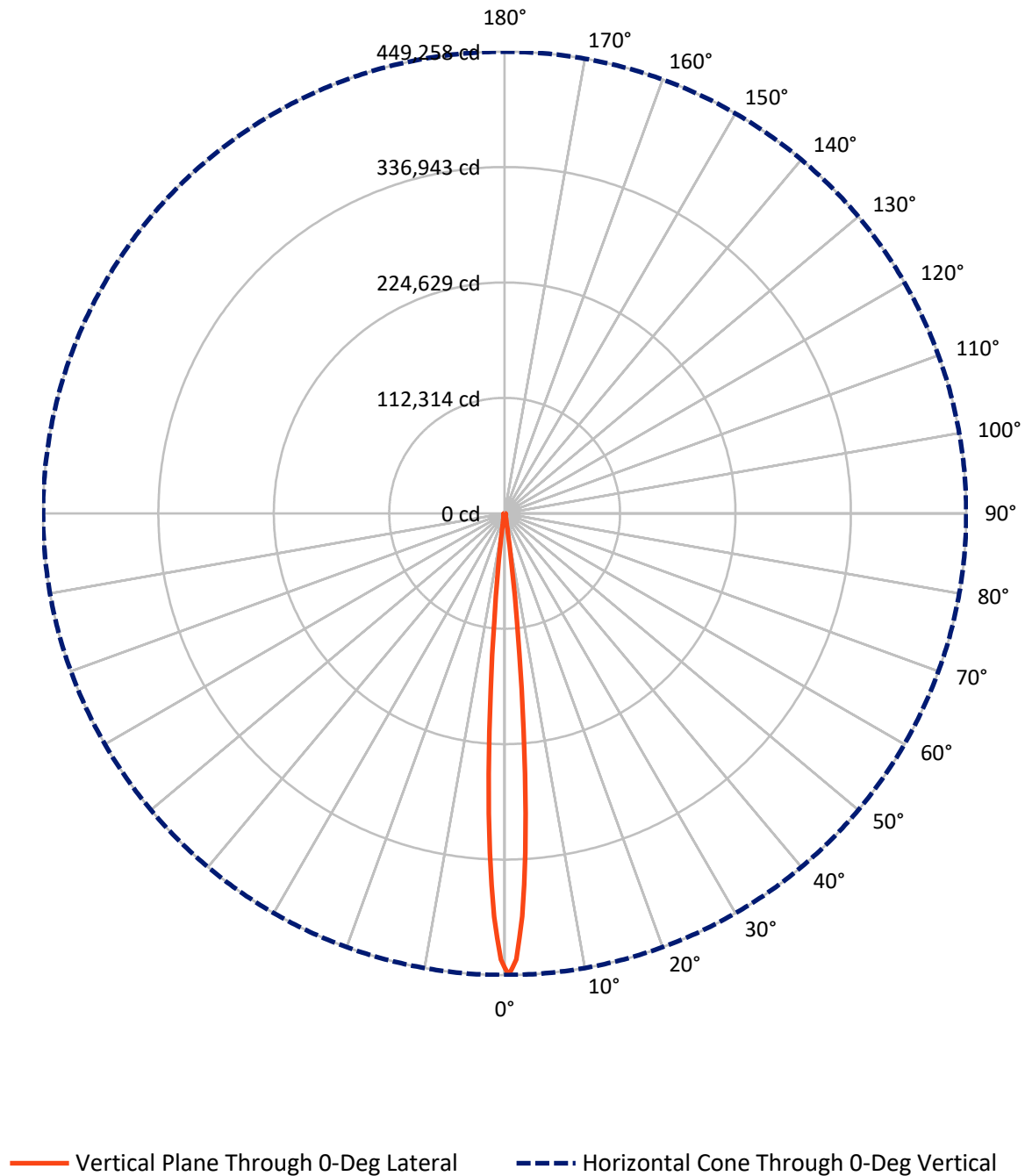
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1123.1 fc
 Type V - Short - N/A

REPORT NUMBER: P635893
CATALOG NUMBER: IFLD-L-SA8B-930-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635893

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9563.5	0.0	9563.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9563.5	0.0	9563.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19127.0	0.0	19127.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12072.5	63.1
10°-20°	1492.0	7.8
20°-30°	893.9	4.7
30°-40°	961.2	5.0
40°-50°	1292.4	6.8
50°-60°	1152.1	6.0
60°-70°	761.0	4.0
70°-80°	377.3	2.0
80°-90°	124.6	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°	19127.0	100.0
0°-180°	19127.0	100.0



REPORT NUMBER: P635893

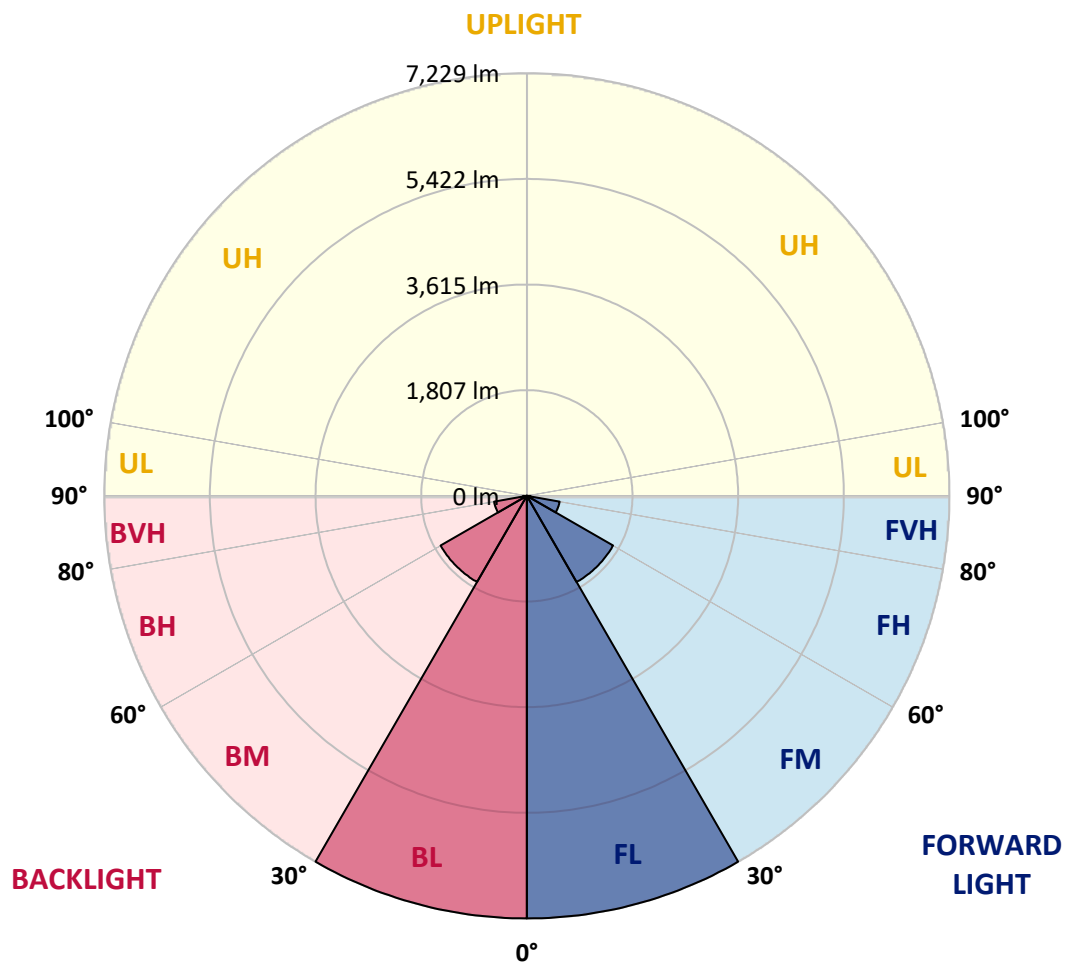
CATALOG NUMBER: IFLD-L-SA8B-930-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7229.2	37.8			
FM	(30°-60°)	1702.8	8.9			
FH	(60°-80°)	569.1	3.0			G0/660
FVH	(80°-90°)	62.3	0.3			G1/100
BL	(0°-30°)	7229.2	37.8	B5		
BM	(30°-60°)	1702.8	8.9	B2/2500		
BH	(60°-80°)	569.1	3.0	B2/1000		G0/660
BVH	(80°-90°)	62.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



REPORT NUMBER: P635893

CATALOG NUMBER: IFLD-L-SA8B-930-U-11-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	449257.9	449257.9	449257.9	449257.9	449257.9	449257.9	449257.9	449257.9	449257.9	449257.9
1°	434199.5	429742.8	432035.0	434225.9	437298.4	438651.8	440031.5	441063.1	441045.4	442747.0
2°	392731.5	385550.5	388878.7	392960.7	400855.8	403121.6	406908.3	411594.2	411880.7	416121.4
3°	331025.4	320943.8	325845.8	333114.9	346202.9	349588.4	355658.5	359943.2	358030.1	362993.7
4°	254018.5	240864.4	248353.9	259114.3	271854.1	284778.9	285034.6	288107.1	281799.0	281494.8
5°	171377.8	159779.8	169389.7	182848.0	193855.3	202887.7	208450.8	208834.4	202014.9	201393.3
6°	104523.0	96848.3	105210.7	119453.6	134701.6	138457.3	139308.1	137377.3	128433.1	123482.7
7°	57769.5	54639.7	62812.5	71311.5	83200.5	88697.5	84893.2	78721.7	75984.2	70090.5
8°	31858.1	30315.2	32647.2	39991.2	49217.6	52827.9	49155.9	42746.4	38131.0	36499.9
9°	19206.6	18351.4	19303.5	22098.3	26083.4	28587.2	26484.5	23328.2	21379.8	20837.6
10°	12757.3	12422.3	12827.9	13771.2	15203.9	15935.7	15411.1	14159.2	13568.5	13533.2
12.5°	6696.1	6634.4	6735.7	6841.5	7088.4	7128.1	7035.5	6947.3	6810.7	6863.6
15°	4311.2	4253.9	4359.7	4496.4	4558.1	4597.8	4602.2	4553.7	4461.1	4417.0
17.5°	3143.1	3156.3	3165.1	3244.4	3363.5	3456.0	3416.4	3363.5	3257.7	3204.8
20°	2587.6	2592.0	2609.7	2653.7	2693.4	2821.3	2781.6	2702.2	2600.8	2561.2
22.5°	2212.9	2221.7	2230.6	2257.0	2265.8	2301.1	2305.5	2235.0	2177.7	2155.6
25°	1948.4	1948.4	1961.7	1983.7	1992.5	1966.1	1970.5	1939.6	1886.7	1860.3
27.5°	1653.1	1661.9	1675.1	1683.9	1666.3	1635.4	1595.8	1622.2	1595.8	1534.1
30°	1472.3	1481.2	1520.8	1494.4	1454.7	1415.0	1393.0	1428.3	1432.7	1379.8
32.5°	1459.1	1463.5	1476.7	1463.5	1415.0	1366.5	1335.7	1375.4	1384.2	1362.1
35°	1525.2	1512.0	1529.6	1538.5	1490.0	1437.1	1397.4	1432.7	1459.1	1467.9
37.5°	1847.0	1772.1	1714.8	1697.2	1666.3	1631.0	1578.1	1587.0	1635.4	1679.5
40°	1758.9	1741.2	1719.2	1661.9	1604.6	1648.7	1587.0	1569.3	1679.5	1688.3
42.5°	1745.6	1758.9	1741.2	1670.7	1613.4	1657.5	1644.3	1591.4	1701.6	1688.3
45°	1754.5	1767.7	1807.4	1688.3	1639.9	1661.9	1688.3	1631.0	1741.2	1697.2
47.5°	1683.9	1701.6	1745.6	1679.5	1648.7	1644.3	1683.9	1631.0	1688.3	1683.9
50°	1591.4	1609.0	1622.2	1564.9	1622.2	1591.4	1595.8	1573.7	1573.7	1582.5
52.5°	1472.3	1490.0	1503.2	1437.1	1472.3	1485.6	1432.7	1428.3	1388.6	1401.8
55°	1326.9	1353.3	1366.5	1340.1	1322.5	1348.9	1274.0	1265.2	1185.8	1190.2
57.5°	1159.4	1185.8	1199.0	1229.9	1216.7	1163.8	1119.7	1084.4	996.3	961.0
60°	1194.6	1221.1	1194.6	1106.5	1106.5	987.4	947.8	872.8	784.7	740.6
62.5°	1154.9	1190.2	1185.8	1093.2	983.0	833.2	762.6	683.3	595.1	537.8
65°	1088.8	1124.1	1106.5	1044.7	938.9	714.1	608.3	529.0	418.8	405.6
67.5°	978.6	1031.5	996.3	956.6	872.8	648.0	484.9	396.7	304.2	304.2
70°	811.1	850.8	872.8	828.7	780.3	608.3	414.4	304.2	220.4	167.5
72.5°	652.4	687.7	722.9	700.9	656.8	551.0	370.3	242.5	158.7	97.0
75°	361.5	374.7	387.9	440.8	502.5	449.6	339.4	211.6	132.2	74.9
77.5°	277.7	290.9	321.8	295.3	273.3	348.2	370.3	246.9	114.6	52.9
80°	216.0	233.6	330.6	273.3	233.6	264.5	317.4	216.0	74.9	26.4
82.5°	163.1	176.3	233.6	260.1	246.9	198.4	171.9	145.5	66.1	17.6
85°	119.0	136.7	163.1	145.5	141.1	141.1	189.6	127.8	48.5	13.2
87.5°	70.5	70.5	74.9	70.5	66.1	66.1	74.9	61.7	30.9	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

449257.9
439326.2
412374.4
357686.2
280154.7
198876.2
123914.7
67322.1
35018.8
20101.4
13114.4
6665.2
4346.5
3147.5
2517.1
2129.2
1838.2
1538.5
1362.1
1348.9
1467.9
1719.2
1701.6
1679.5
1683.9
1675.1
1551.7
1379.8
1159.4
938.9
705.3
529.0
405.6
268.9
149.9
92.6
66.1
26.4
17.6
13.2
8.8
8.8
0.0

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