

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: P635892

Luminaire Tested: **IFLD-L-SA8A-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635892
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-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: 16099.3 lumens
Efficiency: N/A
Efficacy: 65.0 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): 247.8
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



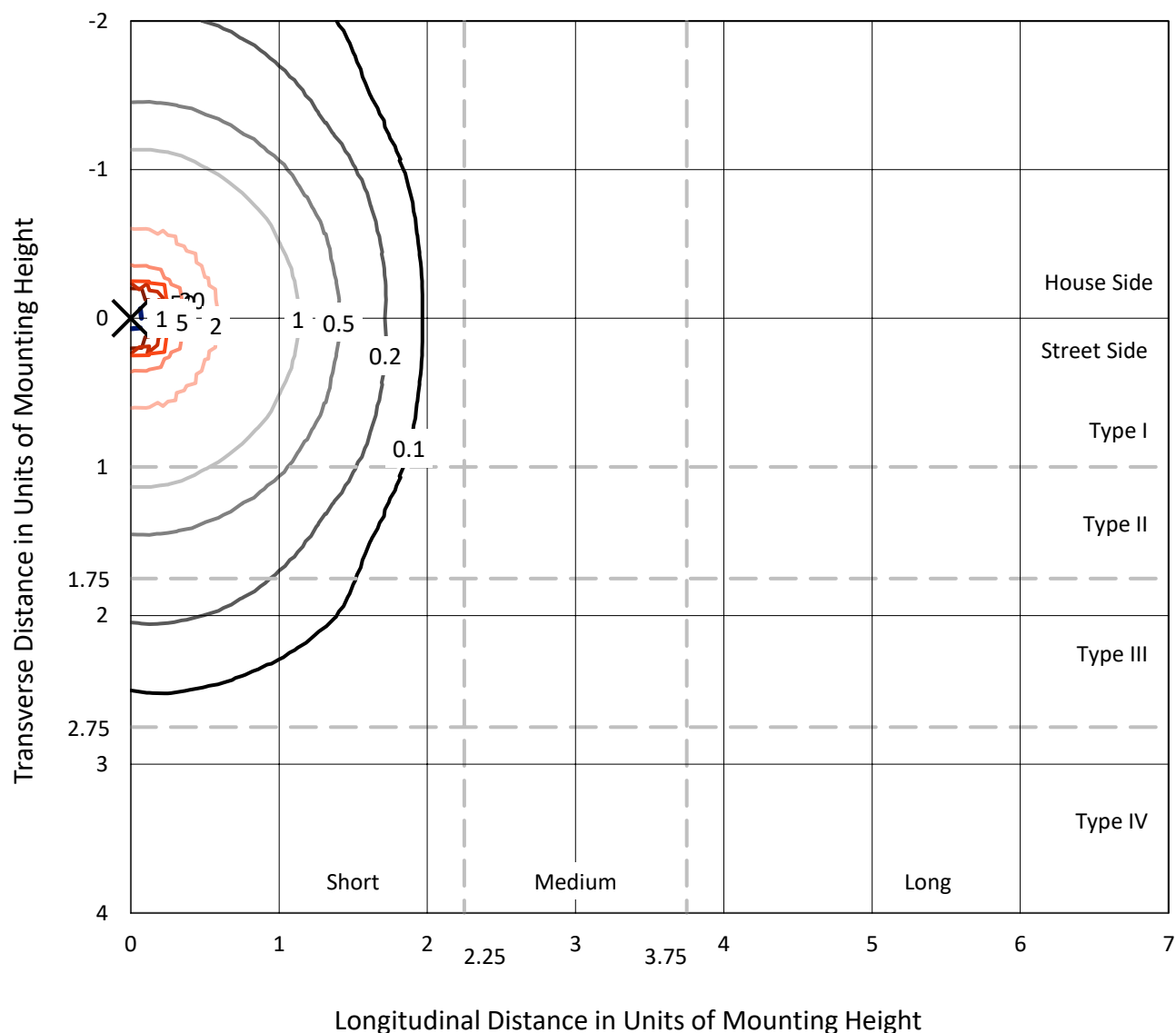
REPORT NUMBER: P635892

CATALOG NUMBER: IFLD-L-SA8A-930-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

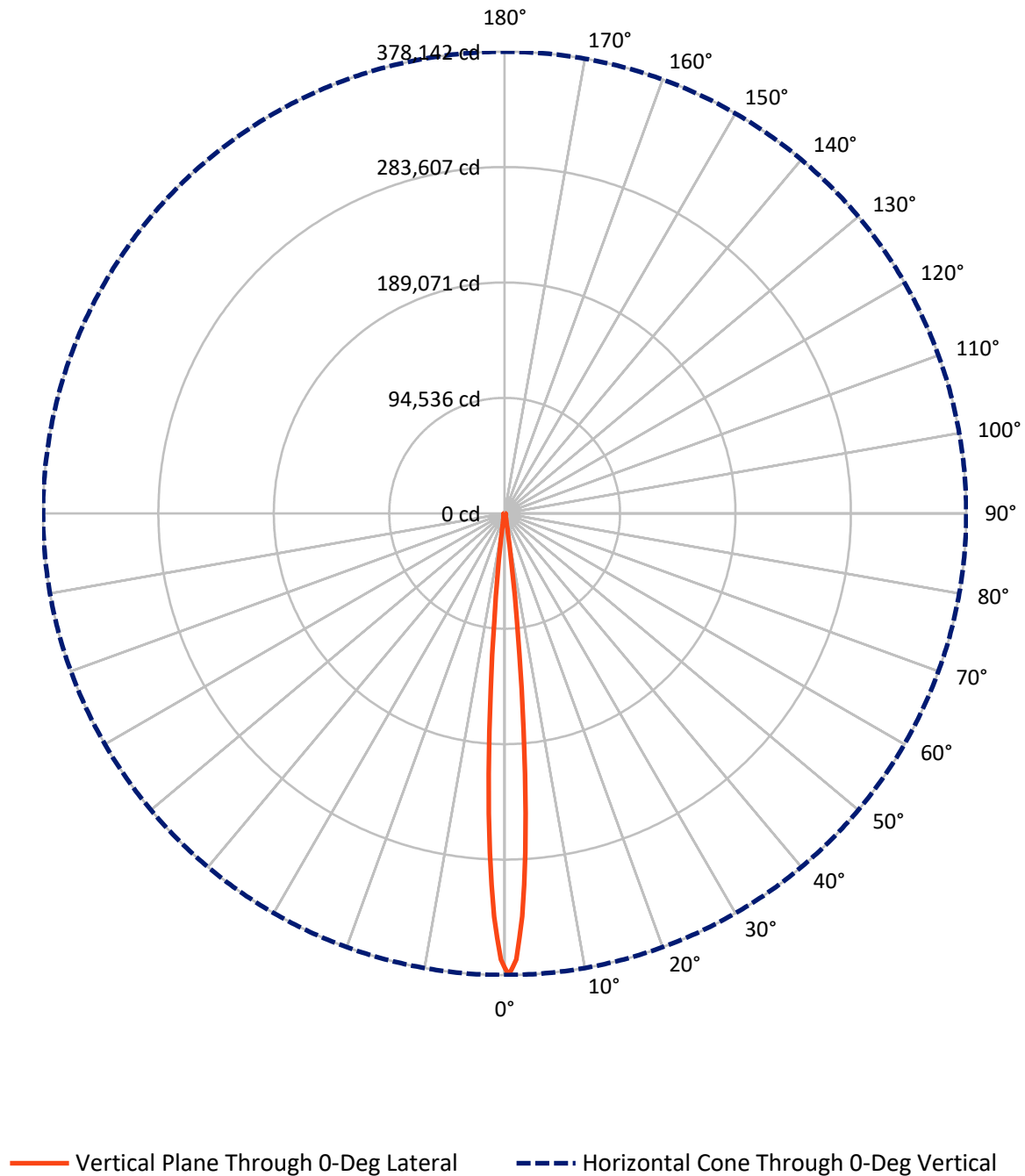


Based on 20 foot mounting height. Maximum calculated value = 945.4 fc

Type V - Short - N/A

REPORT NUMBER: P635892
CATALOG NUMBER: IFLD-L-SA8A-930-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635892

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8049.6	0.0	8049.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8049.6	0.0	8049.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16099.3	0.0	16099.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10161.5	63.1
10°-20°	1255.8	7.8
20°-30°	752.4	4.7
30°-40°	809.0	5.0
40°-50°	1087.8	6.8
50°-60°	969.7	6.0
60°-70°	640.5	4.0
70°-80°	317.6	2.0
80°-90°	104.9	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°	16099.3	100.0
0°-180°	16099.3	100.0

Coefficient of Utilization



REPORT NUMBER: P635892

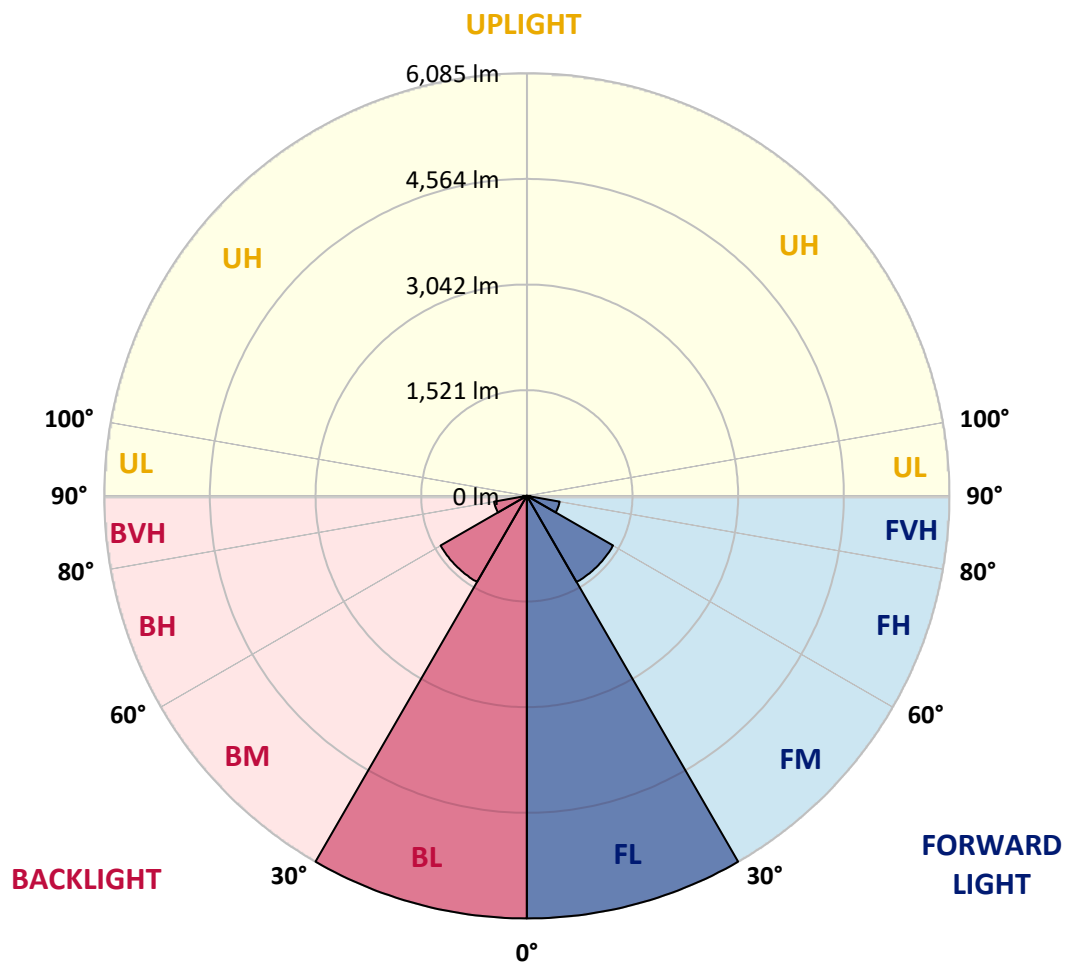
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6084.9	37.8			
FM	(30°-60°)	1433.3	8.9			
FH	(60°-80°)	479.1	3.0			G0/660
FVH	(80°-90°)	52.4	0.3			G1/100
BL	(0°-30°)	6084.9	37.8	B5		
BM	(30°-60°)	1433.3	8.9	B2/2500		
BH	(60°-80°)	479.1	3.0	B1/500		G0/660
BVH	(80°-90°)	52.4	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°	378142.1	378142.1	378142.1	378142.1	378142.1	378142.1	378142.1	378142.1	378142.1	378142.1
1°	365467.4	361716.1	363645.6	365489.6	368075.8	369214.9	370376.2	371244.5	371229.6	372661.8
2°	330563.6	324519.3	327320.7	330756.5	337401.9	339309.0	342496.3	346440.4	346681.6	350251.0
3°	278625.4	270139.7	274265.6	280384.1	291400.3	294249.9	299359.1	302965.6	301355.3	305533.2
4°	213808.3	202736.5	209040.4	218097.5	228820.6	239699.5	239914.7	242500.9	237191.3	236935.3
5°	144249.4	134487.3	142576.0	153903.8	163168.7	170771.3	175453.9	175776.7	170036.7	169513.5
6°	87977.4	81517.6	88556.2	100544.5	113378.8	116540.1	117256.2	115631.0	108102.6	103935.8
7°	48624.8	45990.5	52869.5	60023.2	70030.2	74657.0	71455.0	66260.4	63956.2	58995.4
8°	26815.1	25516.4	27479.3	33660.8	41426.7	44465.5	41374.7	35979.8	32095.0	30722.1
9°	16166.2	15446.4	16247.9	18600.3	21954.5	24062.0	22292.1	19635.5	17995.5	17539.1
10°	10737.9	10455.9	10797.3	11591.3	12797.2	13413.1	12971.6	11917.8	11420.6	11390.9
12.5°	5636.1	5584.2	5669.5	5758.5	5966.3	5999.7	5921.8	5847.6	5732.6	5777.1
15°	3628.8	3580.5	3669.6	3784.6	3836.6	3870.0	3873.7	3832.8	3754.9	3717.8
17.5°	2645.5	2656.6	2664.1	2730.9	2831.0	2909.0	2875.6	2831.0	2742.0	2697.5
20°	2178.0	2181.7	2196.6	2233.7	2267.1	2374.7	2341.3	2274.5	2189.1	2155.7
22.5°	1862.6	1870.0	1877.5	1899.7	1907.1	1936.8	1940.5	1881.2	1832.9	1814.4
25°	1640.0	1640.0	1651.1	1669.7	1677.1	1654.8	1658.6	1632.6	1588.1	1565.8
27.5°	1391.4	1398.8	1410.0	1417.4	1402.5	1376.6	1343.2	1365.4	1343.2	1291.2
30°	1239.3	1246.7	1280.1	1257.8	1224.4	1191.0	1172.5	1202.2	1205.9	1161.4
32.5°	1228.1	1231.9	1243.0	1231.9	1191.0	1150.2	1124.3	1157.6	1165.1	1146.5
35°	1283.8	1272.7	1287.5	1294.9	1254.1	1209.6	1176.2	1205.9	1228.1	1235.6
37.5°	1554.7	1491.6	1443.3	1428.5	1402.5	1372.8	1328.3	1335.7	1376.6	1413.7
40°	1480.5	1465.6	1447.1	1398.8	1350.6	1387.7	1335.7	1320.9	1413.7	1421.1
42.5°	1469.3	1480.5	1465.6	1406.2	1358.0	1395.1	1384.0	1339.5	1432.2	1421.1
45°	1476.7	1487.9	1521.3	1421.1	1380.3	1398.8	1421.1	1372.8	1465.6	1428.5
47.5°	1417.4	1432.2	1469.3	1413.7	1387.7	1384.0	1417.4	1372.8	1421.1	1417.4
50°	1339.5	1354.3	1365.4	1317.2	1365.4	1339.5	1343.2	1324.6	1324.6	1332.0
52.5°	1239.3	1254.1	1265.2	1209.6	1239.3	1250.4	1205.9	1202.2	1168.8	1179.9
55°	1116.8	1139.1	1150.2	1128.0	1113.1	1135.4	1072.3	1064.9	998.1	1001.8
57.5°	975.8	998.1	1009.2	1035.2	1024.1	979.5	942.4	912.8	838.6	808.9
60°	1005.5	1027.8	1005.5	931.3	931.3	831.1	797.7	734.7	660.5	623.3
62.5°	972.1	1001.8	998.1	920.2	827.4	701.3	641.9	575.1	500.9	452.7
65°	916.5	946.2	931.3	879.4	790.3	601.1	512.0	445.2	352.5	341.4
67.5°	823.7	868.2	838.6	805.2	734.7	545.4	408.1	333.9	256.0	256.0
70°	682.7	716.1	734.7	697.6	656.7	512.0	348.8	256.0	185.5	141.0
72.5°	549.1	578.8	608.5	590.0	552.9	463.8	311.7	204.1	133.6	81.6
75°	304.3	315.4	326.5	371.0	423.0	378.5	285.7	178.1	111.3	63.1
77.5°	233.8	244.9	270.9	248.6	230.0	293.1	311.7	207.8	96.5	44.5
80°	181.8	196.7	278.3	230.0	196.7	222.6	267.1	181.8	63.1	22.3
82.5°	137.3	148.4	196.7	218.9	207.8	167.0	144.7	122.4	55.7	14.8
85°	100.2	115.0	137.3	122.4	118.7	118.7	159.5	107.6	40.8	11.1
87.5°	59.4	59.4	63.1	59.4	55.7	55.7	63.1	51.9	26.0	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

378142.1
369782.6
347097.2
301065.9
235807.3
167394.9
104299.5
56665.3
29475.4
16919.4
11038.5
5610.1
3658.5
2649.2
2118.6
1792.1
1547.2
1294.9
1146.5
1135.4
1235.6
1447.1
1432.2
1413.7
1417.4
1410.0
1306.1
1161.4
975.8
790.3
593.7
445.2
341.4
226.3
126.2
77.9
55.7
22.3
14.8
11.1
7.4
7.4
0.0

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