

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: P635950

Luminaire Tested: **IFLD-L-SA8A-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635950
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18177.1 lumens
Efficiency: N/A
Efficacy: 73.4 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

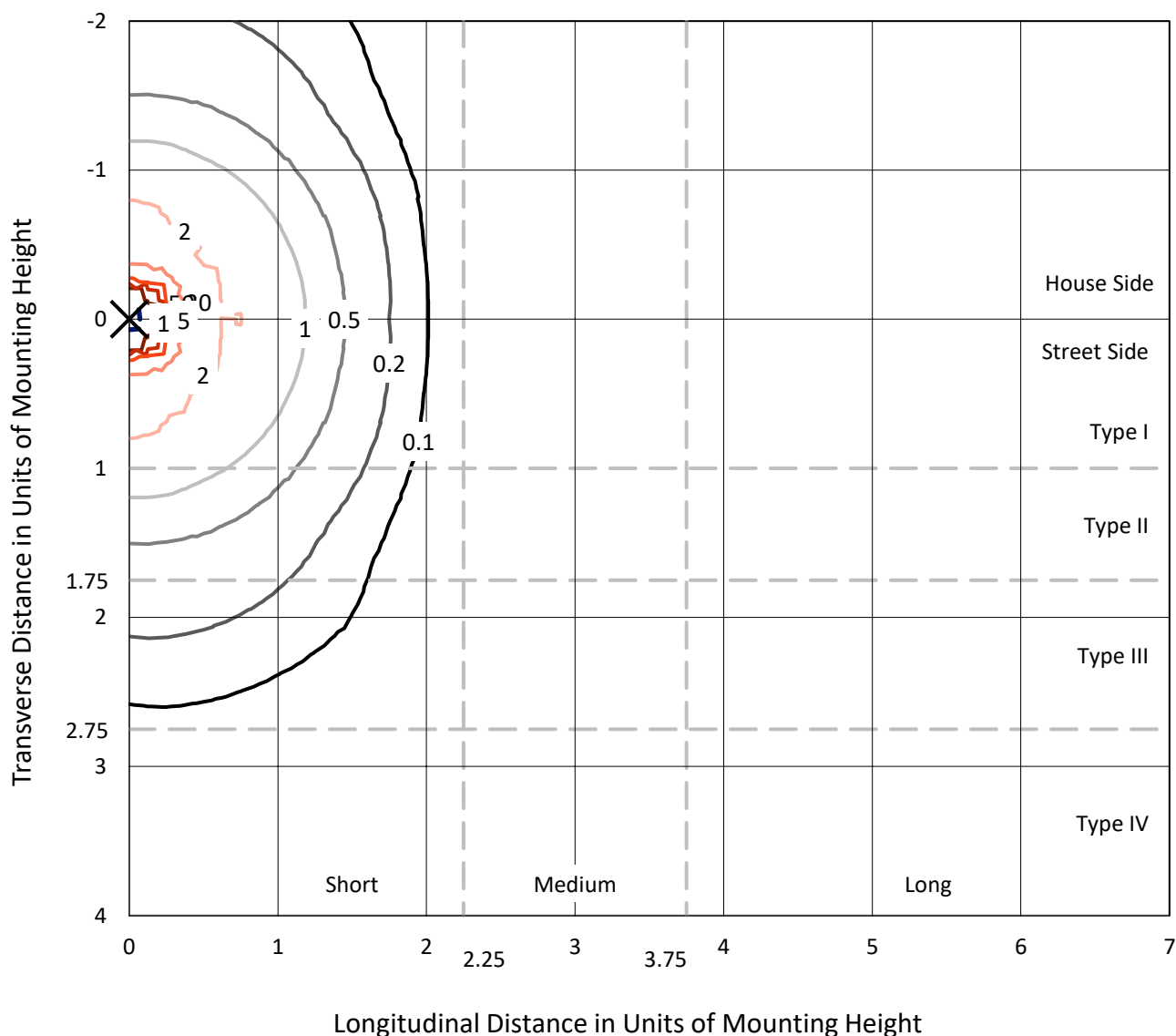


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

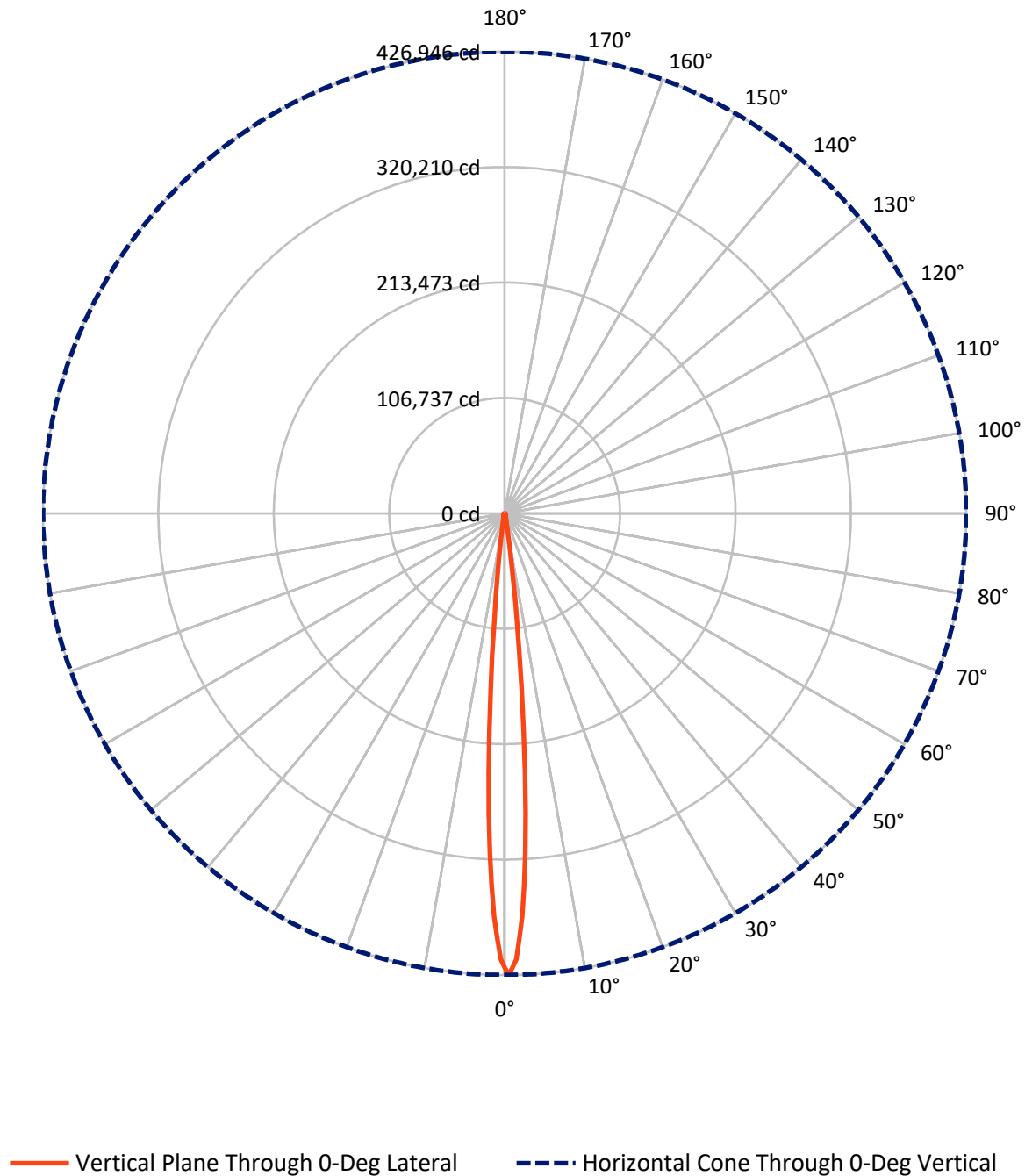
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1067.4 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	9088.5	0.0	9088.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9088.5	0.0	9088.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18177.1	0.0	18177.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11472.9	63.1
10°-20°	1417.9	7.8
20°-30°	849.5	4.7
30°-40°	913.4	5.0
40°-50°	1228.2	6.8
50°-60°	1094.9	6.0
60°-70°	723.2	4.0
70°-80°	358.6	2.0
80°-90°	118.4	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°	18177.1	100.0
0°-180°	18177.1	100.0



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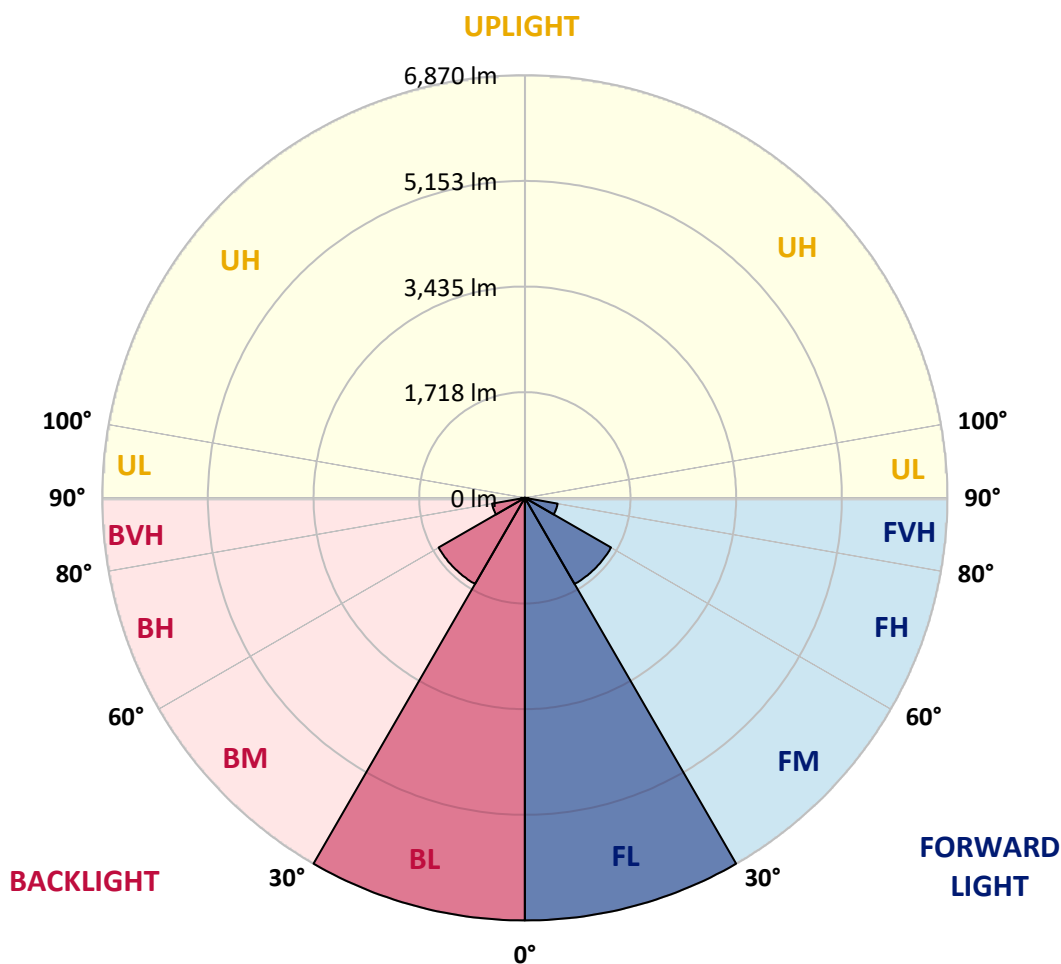
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6870.2	37.8			
FM	(30°-60°)	1618.3	8.9			
FH	(60°-80°)	540.9	3.0			G0/660
FVH	(80°-90°)	59.2	0.3			G1/100
BL	(0°-30°)	6870.2	37.8	B5		
BM	(30°-60°)	1618.3	8.9	B2/2500		
BH	(60°-80°)	540.9	3.0	B2/1000		G0/660
BVH	(80°-90°)	59.2	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°	426946.1	426946.1	426946.1	426946.1	426946.1	426946.1	426946.1	426946.1	426946.1	426946.1
1°	412635.5	408400.1	410578.6	412660.6	415580.6	416866.7	418177.9	419158.2	419141.4	420758.5
2°	373227.0	366402.6	369565.5	373444.8	380947.8	383101.1	386699.7	391152.9	391425.2	395455.3
3°	314585.4	305004.6	309663.0	316571.2	329009.1	332226.5	337995.1	342067.1	340249.0	344966.1
4°	241403.0	228902.1	236019.7	246245.8	258352.8	270635.7	270878.7	273798.6	267803.8	267514.7
5°	162866.6	151844.6	160977.2	173767.1	184227.7	192811.5	198098.4	198462.9	191982.0	191391.4
6°	99332.0	92038.4	99985.5	113521.1	128011.8	131581.0	132389.6	130554.7	122054.6	117350.1
7°	54900.5	51926.1	59693.0	67769.9	79068.4	84292.5	80677.1	74812.1	72210.6	66609.5
8°	30275.9	28809.7	31025.8	38005.1	46773.3	50204.3	46714.6	40623.4	36237.3	34687.2
9°	18252.7	17440.0	18344.8	21000.9	24788.0	27167.5	25169.2	22169.7	20318.0	19802.7
10°	12123.8	11805.4	12190.8	13087.3	14448.8	15144.2	14645.7	13456.0	12894.6	12861.1
12.5°	6363.5	6304.9	6401.2	6501.8	6736.4	6774.1	6686.1	6602.3	6472.4	6522.7
15°	4097.1	4042.7	4143.2	4273.1	4331.7	4369.4	4373.6	4327.5	4239.5	4197.7
17.5°	2987.0	2999.5	3007.9	3083.3	3196.4	3284.4	3246.7	3196.4	3095.9	3045.6
20°	2459.1	2463.3	2480.1	2521.9	2559.6	2681.1	2643.4	2568.0	2471.7	2434.0
22.5°	2103.0	2111.4	2119.8	2144.9	2153.3	2186.8	2191.0	2124.0	2069.5	2048.6
25°	1851.7	1851.7	1864.2	1885.2	1893.6	1868.4	1872.6	1843.3	1793.0	1767.9
27.5°	1571.0	1579.4	1591.9	1600.3	1583.5	1554.2	1516.5	1541.7	1516.5	1457.9
30°	1399.2	1407.6	1445.3	1420.2	1382.5	1344.8	1323.8	1357.3	1361.5	1311.2
32.5°	1386.7	1390.8	1403.4	1390.8	1344.8	1298.7	1269.4	1307.1	1315.4	1294.5
35°	1449.5	1436.9	1453.7	1462.1	1416.0	1365.7	1328.0	1361.5	1386.7	1395.0
37.5°	1755.3	1684.1	1629.6	1612.9	1583.5	1550.0	1499.8	1508.1	1554.2	1596.1
40°	1671.5	1654.8	1633.8	1579.4	1524.9	1566.8	1508.1	1491.4	1596.1	1604.5
42.5°	1659.0	1671.5	1654.8	1587.7	1533.3	1575.2	1562.6	1512.3	1617.1	1604.5
45°	1667.3	1679.9	1717.6	1604.5	1558.4	1579.4	1604.5	1550.0	1654.8	1612.9
47.5°	1600.3	1617.1	1659.0	1596.1	1566.8	1562.6	1600.3	1550.0	1604.5	1600.3
50°	1512.3	1529.1	1541.7	1487.2	1541.7	1512.3	1516.5	1495.6	1495.6	1504.0
52.5°	1399.2	1416.0	1428.5	1365.7	1399.2	1411.8	1361.5	1357.3	1319.6	1332.2
55°	1261.0	1286.1	1298.7	1273.5	1256.8	1281.9	1210.7	1202.3	1126.9	1131.1
57.5°	1101.8	1126.9	1139.5	1168.8	1156.2	1106.0	1064.1	1030.6	946.8	913.3
60°	1135.3	1160.4	1135.3	1051.5	1051.5	938.4	900.7	829.5	745.7	703.8
62.5°	1097.6	1131.1	1126.9	1038.9	934.2	791.8	724.7	649.3	565.6	511.1
65°	1034.8	1068.3	1051.5	992.9	892.3	678.7	578.1	502.7	398.0	385.4
67.5°	930.0	980.3	946.8	909.1	829.5	615.8	460.8	377.0	289.1	289.1
70°	770.8	808.5	829.5	787.6	741.5	578.1	393.8	289.1	209.5	159.2
72.5°	620.0	653.5	687.0	666.1	624.2	523.7	351.9	230.4	150.8	92.2
75°	343.5	356.1	368.7	418.9	477.6	427.3	322.6	201.1	125.7	71.2
77.5°	263.9	276.5	305.8	280.7	259.7	331.0	351.9	234.6	108.9	50.3
80°	205.3	222.0	314.2	259.7	222.0	251.4	301.6	205.3	71.2	25.1
82.5°	155.0	167.6	222.0	247.2	234.6	188.5	163.4	138.2	62.8	16.8
85°	113.1	129.9	155.0	138.2	134.1	134.1	180.1	121.5	46.1	12.6
87.5°	67.0	67.0	71.2	67.0	62.8	62.8	71.2	58.6	29.3	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

426946.1
417507.6
391894.4
339922.2
266241.2
188999.3
117760.6
63978.7
33279.6
19103.1
12463.1
6334.2
4130.6
2991.1
2392.1
2023.4
1746.9
1462.1
1294.5
1281.9
1395.0
1633.8
1617.1
1596.1
1600.3
1591.9
1474.6
1311.2
1101.8
892.3
670.3
502.7
385.4
255.5
142.4
88.0
62.8
25.1
16.8
12.6
8.4
8.4
0.0

OF REPORT)