

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: P635850

Luminaire Tested: **IFLD-S-SA6C-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635850
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19317.4 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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



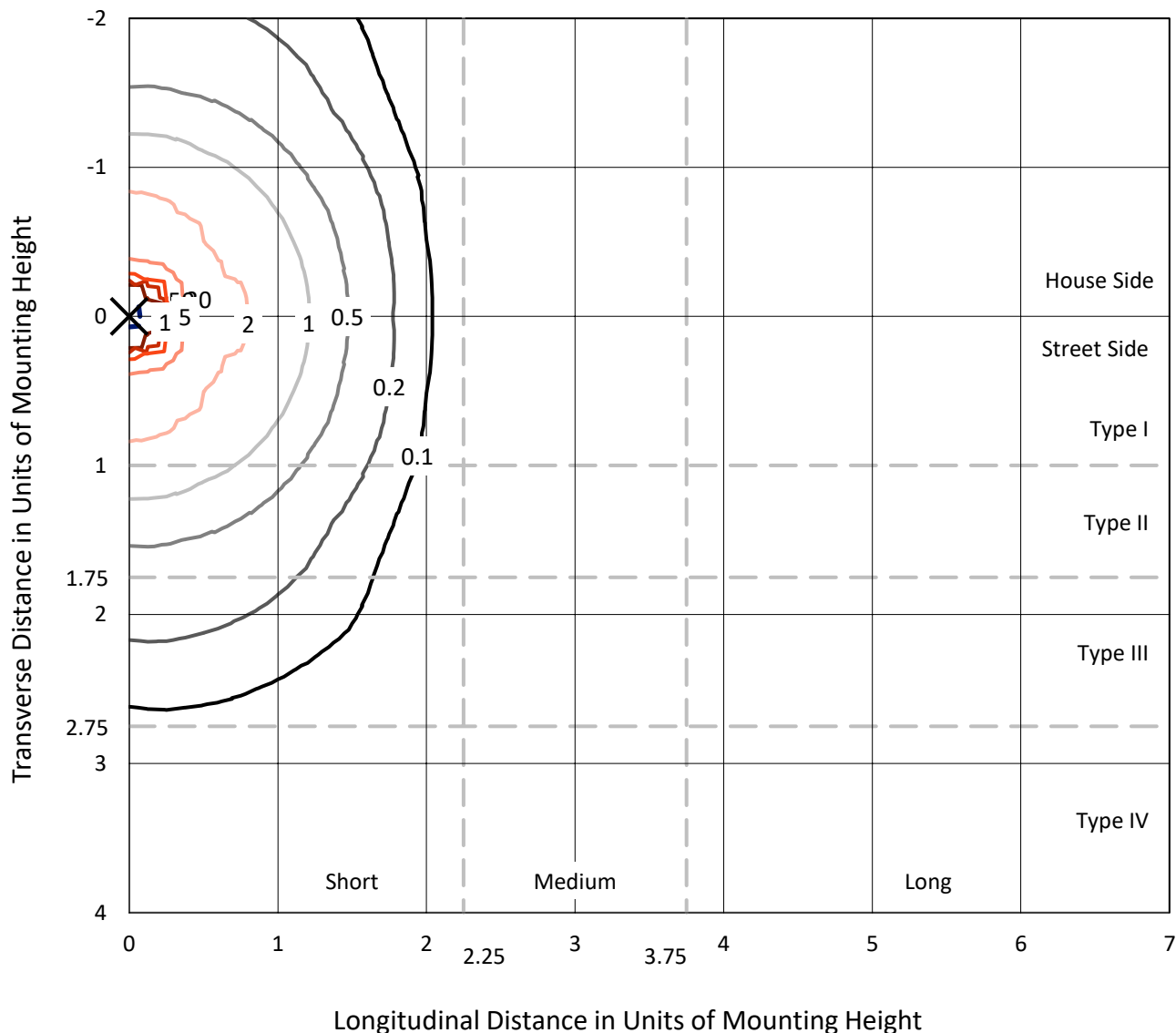
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

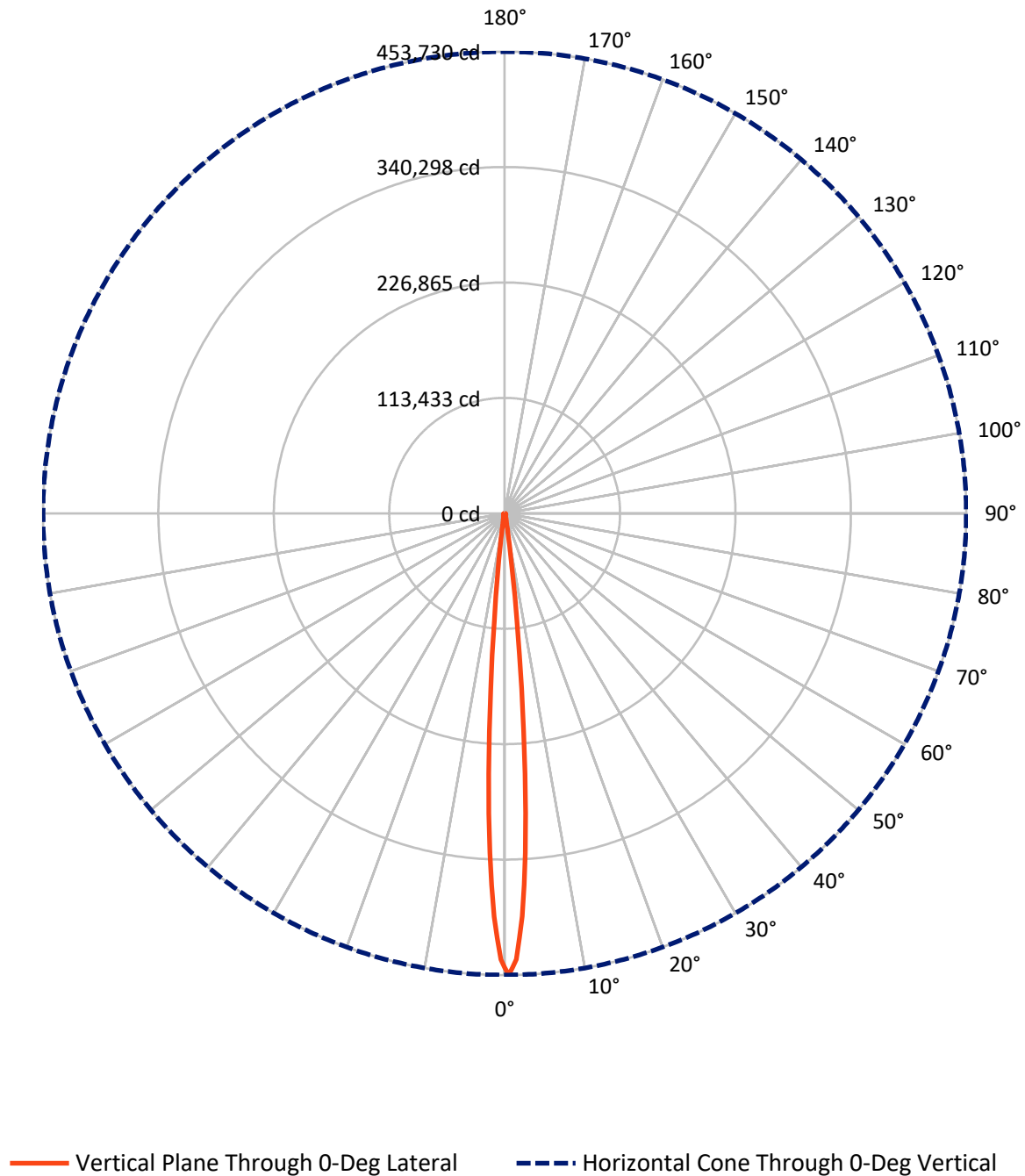
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1134.3 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	9658.7	0.0	9658.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9658.7	0.0	9658.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	19317.4	0.0	19317.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12192.7	63.1
10°-20°	1506.9	7.8
20°-30°	902.8	4.7
30°-40°	970.7	5.0
40°-50°	1305.3	6.8
50°-60°	1163.6	6.0
60°-70°	768.6	4.0
70°-80°	381.1	2.0
80°-90°	125.8	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°	19317.4	100.0
0°-180°	19317.4	100.0



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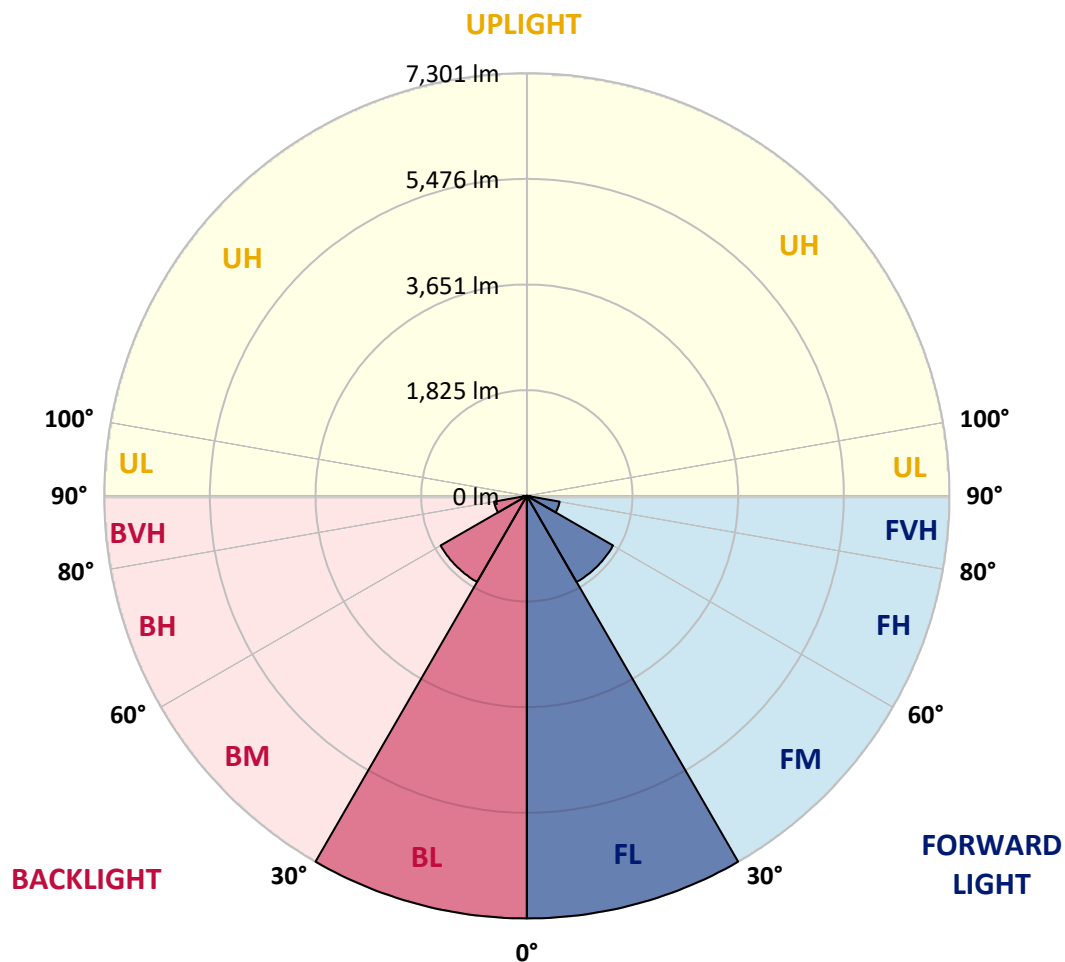
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7301.2	37.8			
FM	(30°-60°)	1719.8	8.9			
FH	(60°-80°)	574.8	3.0			G0/660
FVH	(80°-90°)	62.9	0.3			G1/100
BL	(0°-30°)	7301.2	37.8	B5		
BM	(30°-60°)	1719.8	8.9	B2/2500		
BH	(60°-80°)	574.8	3.0	B2/1000		G0/660
BVH	(80°-90°)	62.9	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°	453730.3	453730.3	453730.3	453730.3	453730.3	453730.3	453730.3	453730.3	453730.3	453730.3
1°	438521.9	434020.9	436336.0	438548.6	441651.8	443018.5	444412.0	445453.8	445436.0	447154.5
2°	396641.1	389388.7	392750.0	396872.6	404846.3	407134.7	410959.0	415691.6	415981.0	420263.9
3°	334320.8	324138.8	329089.6	336431.1	349649.3	353068.5	359199.0	363526.5	361594.3	366607.3
4°	256547.2	243262.2	250826.3	261693.8	274560.4	287613.9	287872.1	290975.2	284604.3	284297.1
5°	173083.9	161370.4	171076.0	184668.2	195785.1	204907.4	210526.0	210913.3	204025.9	203398.2
6°	105563.5	97812.4	106258.0	120642.7	136042.5	139835.7	140694.9	138744.9	129711.6	124711.9
7°	58344.6	55183.7	63437.8	72021.5	84028.7	89580.5	85738.3	79505.4	76740.7	70788.2
8°	32175.3	30617.0	32972.2	40389.4	49707.6	53353.8	49645.3	43171.9	38510.6	36863.3
9°	19397.8	18534.0	19495.7	22318.3	26343.0	28871.8	26748.2	23560.5	21592.6	21045.0
10°	12884.3	12546.0	12955.6	13908.3	15355.3	16094.3	15564.5	14300.1	13703.5	13667.9
12.5°	6762.7	6700.4	6802.8	6909.6	7159.0	7199.0	7105.5	7016.5	6878.5	6931.9
15°	4354.1	4296.3	4403.1	4541.1	4603.5	4643.5	4648.0	4599.0	4505.5	4461.0
17.5°	3174.3	3187.7	3196.6	3276.7	3396.9	3490.4	3450.4	3396.9	3290.1	3236.7
20°	2613.4	2617.8	2635.6	2680.2	2720.2	2849.3	2809.3	2729.1	2626.7	2586.7
22.5°	2234.9	2243.9	2252.8	2279.5	2288.4	2324.0	2328.4	2257.2	2199.3	2177.1
25°	1967.8	1967.8	1981.2	2003.4	2012.3	1985.6	1990.1	1958.9	1905.5	1878.8
27.5°	1669.5	1678.4	1691.8	1700.7	1682.9	1651.7	1611.7	1638.4	1611.7	1549.3
30°	1487.0	1495.9	1536.0	1509.3	1469.2	1429.1	1406.9	1442.5	1446.9	1393.5
32.5°	1473.6	1478.1	1491.5	1478.1	1429.1	1380.1	1349.0	1389.1	1398.0	1375.7
35°	1540.4	1527.1	1544.9	1553.8	1504.8	1451.4	1411.3	1446.9	1473.6	1482.5
37.5°	1865.4	1789.7	1731.9	1714.1	1682.9	1647.3	1593.8	1602.8	1651.7	1696.2
40°	1776.4	1758.6	1736.3	1678.4	1620.6	1665.1	1602.8	1584.9	1696.2	1705.2
42.5°	1763.0	1776.4	1758.6	1687.3	1629.5	1674.0	1660.6	1607.2	1718.5	1705.2
45°	1771.9	1785.3	1825.4	1705.2	1656.2	1678.4	1705.2	1647.3	1758.6	1714.1
47.5°	1700.7	1718.5	1763.0	1696.2	1665.1	1660.6	1700.7	1647.3	1705.2	1700.7
50°	1607.2	1625.0	1638.4	1580.5	1638.4	1607.2	1611.7	1589.4	1589.4	1598.3
52.5°	1487.0	1504.8	1518.2	1451.4	1487.0	1500.4	1446.9	1442.5	1402.4	1415.8
55°	1340.1	1366.8	1380.1	1353.4	1335.6	1362.3	1286.7	1277.7	1197.6	1202.1
57.5°	1170.9	1197.6	1211.0	1242.1	1228.8	1175.4	1130.8	1095.2	1006.2	970.6
60°	1206.5	1233.2	1206.5	1117.5	1117.5	997.3	957.2	881.5	792.5	748.0
62.5°	1166.4	1202.1	1197.6	1104.1	992.8	841.4	770.2	690.1	601.0	543.2
65°	1099.7	1135.3	1117.5	1055.1	948.3	721.2	614.4	534.3	422.9	409.6
67.5°	988.4	1041.8	1006.2	966.1	881.5	654.5	489.7	400.7	307.2	307.2
70°	819.2	859.3	881.5	837.0	788.0	614.4	418.5	307.2	222.6	169.2
72.5°	658.9	694.5	730.1	707.9	663.4	556.5	374.0	244.9	160.3	97.9
75°	365.1	378.4	391.8	445.2	507.5	454.1	342.8	213.7	133.6	75.7
77.5°	280.5	293.8	325.0	298.3	276.0	351.7	374.0	249.3	115.8	53.4
80°	218.2	236.0	333.9	276.0	236.0	267.1	320.6	218.2	75.7	26.7
82.5°	164.7	178.1	236.0	262.7	249.3	200.3	173.6	146.9	66.8	17.8
85°	120.2	138.0	164.7	146.9	142.5	142.5	191.4	129.1	49.0	13.4
87.5°	71.2	71.2	75.7	71.2	66.8	66.8	75.7	62.3	31.2	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

453730.3
443699.7
416479.6
361247.0
282943.7
200856.0
125148.2
67992.3
35367.4
20301.5
13245.0
6731.6
4389.8
3178.8
2542.1
2150.4
1856.5
1553.8
1375.7
1362.3
1482.5
1736.3
1718.5
1696.2
1700.7
1691.8
1567.1
1393.5
1170.9
948.3
712.3
534.3
409.6
271.6
151.4
93.5
66.8
26.7
17.8
13.4
8.9
8.9
0.0

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