

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: P635908

Luminaire Tested: **IFLD-S-SA6C-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635908
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20260.2 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

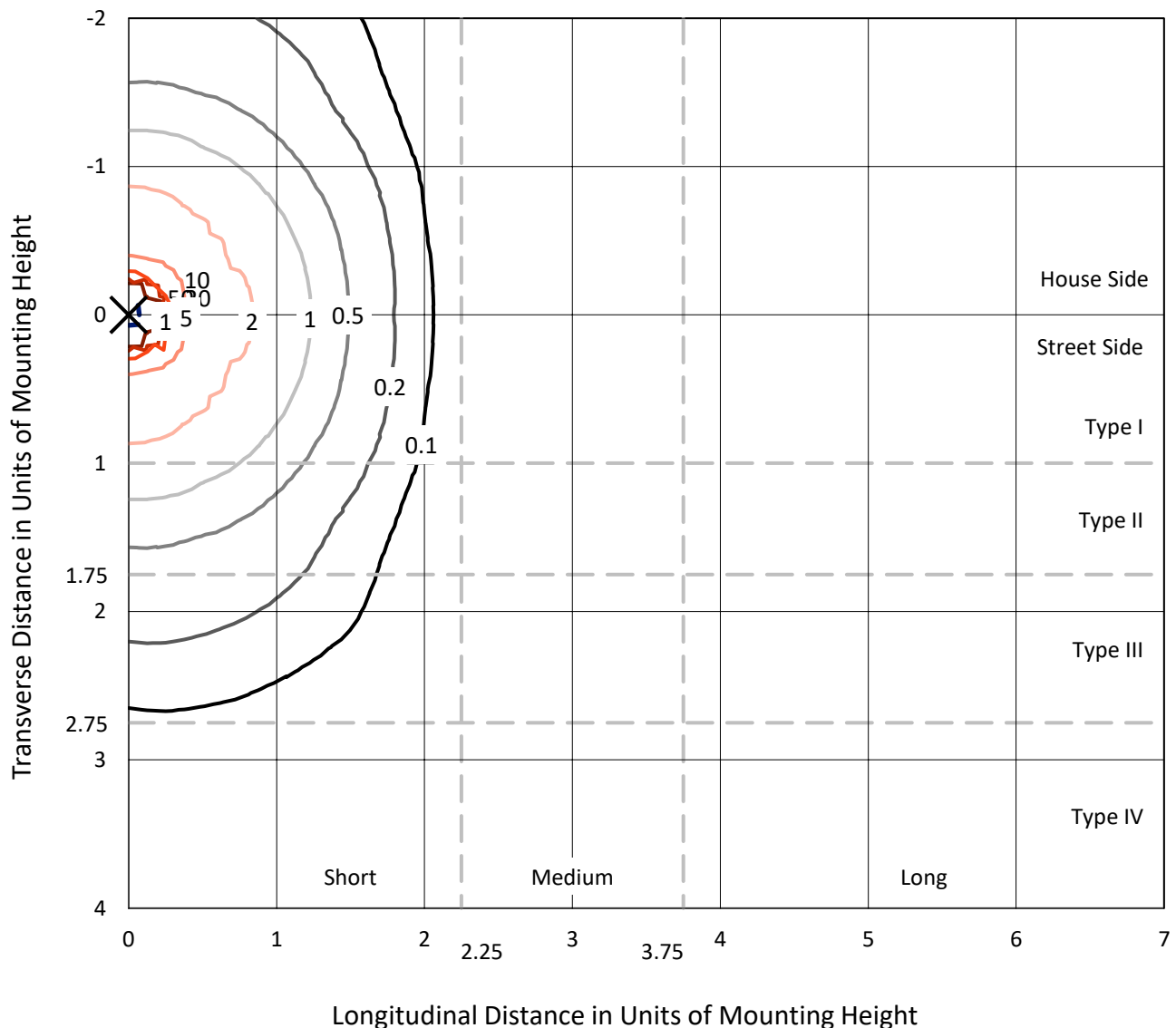
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

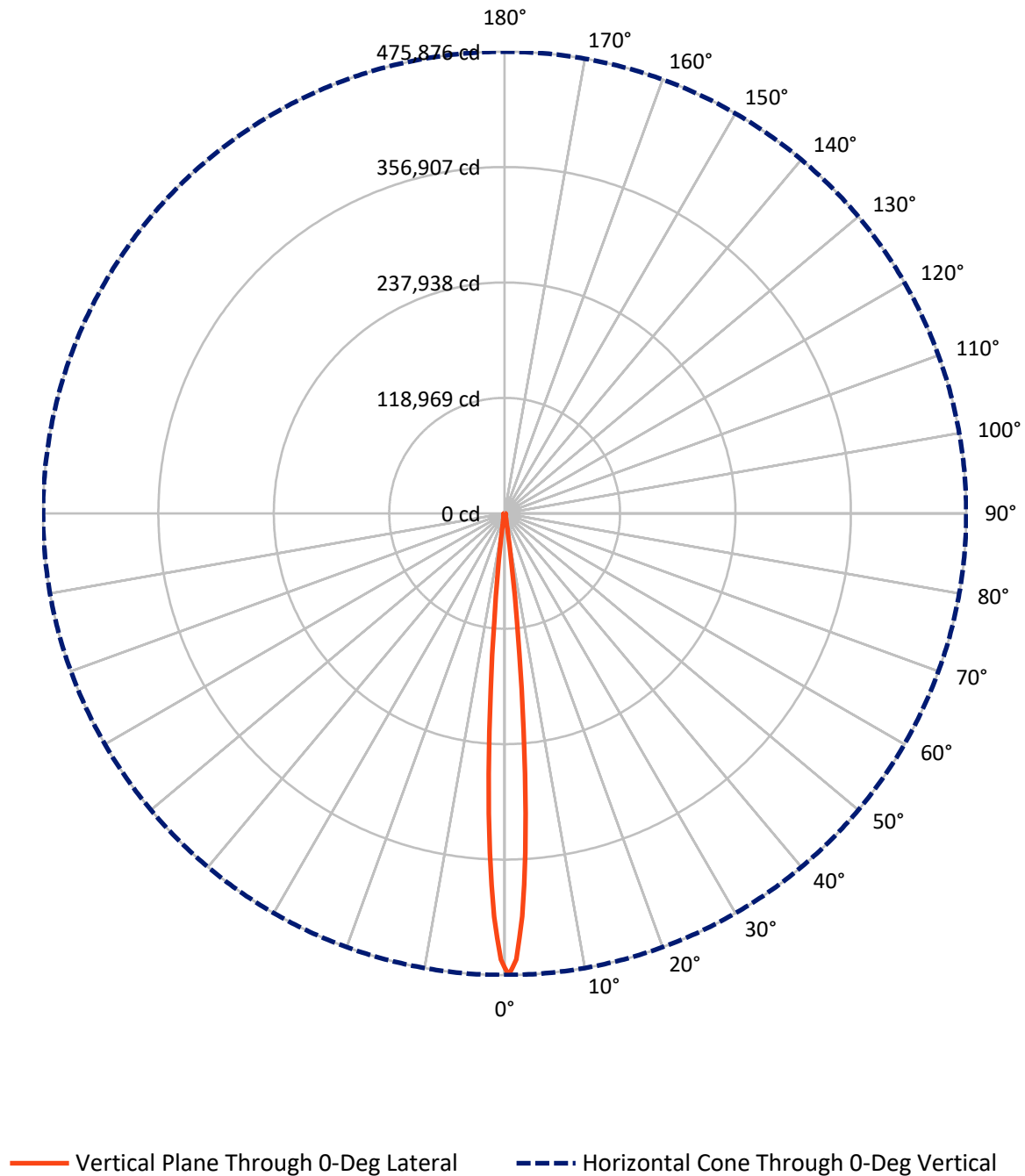
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1189.7 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	10130.1	0.0	10130.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10130.1	0.0	10130.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20260.2	0.0	20260.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12787.8	63.1
10°-20°	1580.4	7.8
20°-30°	946.9	4.7
30°-40°	1018.1	5.0
40°-50°	1369.0	6.8
50°-60°	1220.4	6.0
60°-70°	806.1	4.0
70°-80°	399.7	2.0
80°-90°	132.0	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°	20260.2	100.0
0°-180°	20260.2	100.0



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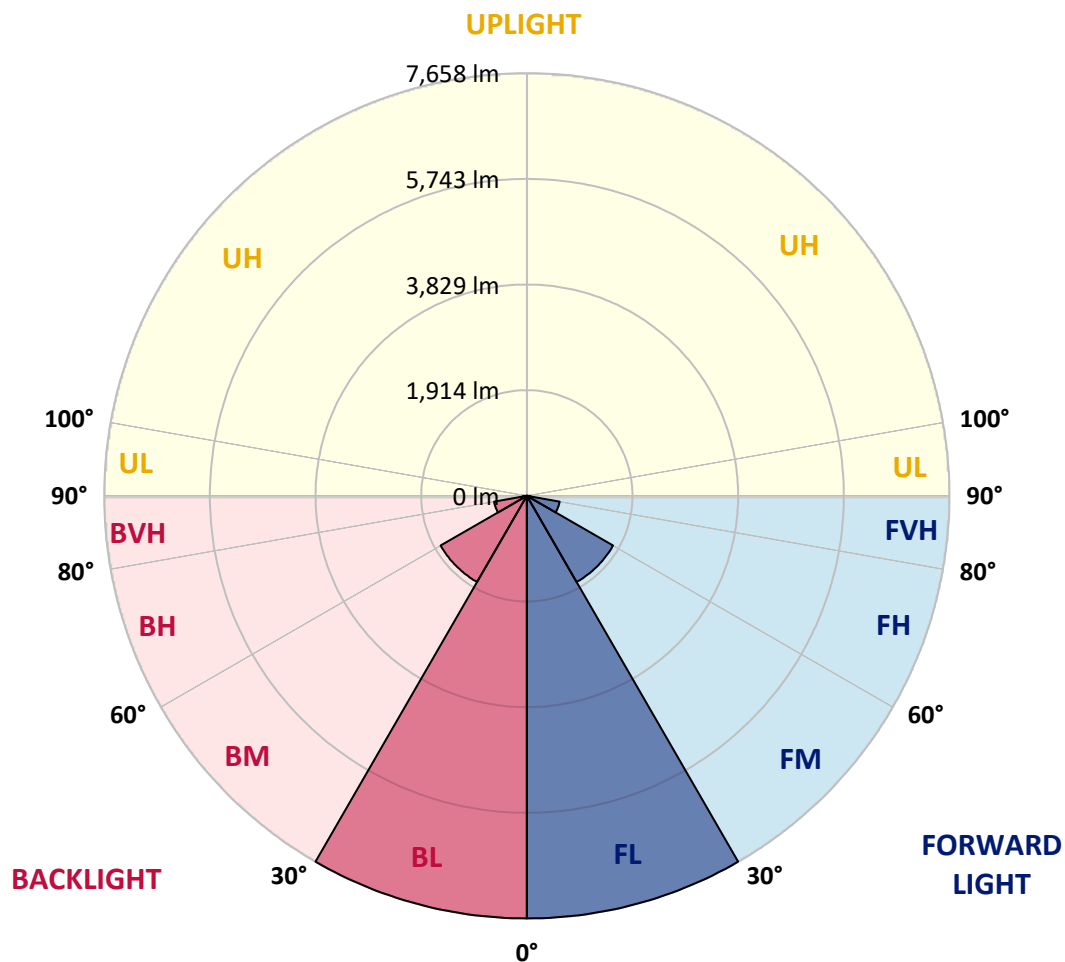
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7657.5	37.8			
FM	(30°-60°)	1803.7	8.9			
FH	(60°-80°)	602.9	3.0			G0/660
FVH	(80°-90°)	66.0	0.3			G1/100
BL	(0°-30°)	7657.5	37.8	B5		
BM	(30°-60°)	1803.7	8.9	B2/2500		
BH	(60°-80°)	602.9	3.0	B2/1000		G0/660
BVH	(80°-90°)	66.0	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°	475875.7	475875.7	475875.7	475875.7	475875.7	475875.7	475875.7	475875.7	475875.7	475875.7
1°	459925.1	455204.3	457632.4	459953.1	463207.6	464641.1	466102.7	467195.3	467176.6	468979.0
2°	416000.2	408393.7	411919.1	416243.0	424605.8	427005.9	431016.9	435980.5	436284.0	440775.9
3°	350638.1	339959.2	345151.6	352851.4	366714.8	370300.9	376730.6	381269.3	379242.8	384500.5
4°	269068.6	255135.2	263068.5	274466.4	287961.0	301651.6	301922.4	305177.0	298495.1	298172.9
5°	181531.7	169246.5	179425.8	193681.4	205340.9	214908.4	220801.2	221207.4	213983.9	213325.5
6°	110715.8	102586.4	111444.2	126531.0	142682.4	146660.7	147561.9	145516.7	136042.5	130798.8
7°	61192.3	57877.0	66534.1	75536.6	88130.0	93952.7	89923.0	83385.9	80486.2	74243.2
8°	33745.6	32111.4	34581.5	42360.7	52133.7	55957.9	52068.3	45279.0	40390.2	38662.5
9°	20344.5	19438.6	20447.2	23407.6	27628.8	30281.0	28053.7	24710.4	22646.5	22072.2
10°	13513.2	13158.3	13587.9	14587.2	16104.7	16879.8	16324.2	14998.1	14372.4	14335.0
12.5°	7092.8	7027.4	7134.8	7246.9	7508.4	7550.4	7452.3	7359.0	7214.2	7270.2
15°	4566.7	4506.0	4618.0	4762.8	4828.1	4870.2	4874.8	4823.5	4725.4	4678.7
17.5°	3329.3	3343.3	3352.6	3436.7	3562.7	3660.8	3618.8	3562.7	3450.7	3394.6
20°	2740.9	2745.6	2764.3	2811.0	2853.0	2988.4	2946.4	2862.3	2754.9	2712.9
22.5°	2344.0	2353.4	2362.7	2390.7	2400.1	2437.4	2442.1	2367.4	2306.7	2283.3
25°	2063.9	2063.9	2077.9	2101.2	2110.6	2082.5	2087.2	2054.5	1998.5	1970.5
27.5°	1751.0	1760.4	1774.4	1783.7	1765.0	1732.3	1690.3	1718.3	1690.3	1624.9
30°	1559.6	1568.9	1610.9	1582.9	1540.9	1498.9	1475.5	1512.9	1517.6	1461.5
32.5°	1545.6	1550.2	1564.2	1550.2	1498.9	1447.5	1414.8	1456.8	1466.2	1442.8
35°	1615.6	1601.6	1620.3	1629.6	1578.3	1522.2	1480.2	1517.6	1545.6	1554.9
37.5°	1956.5	1877.1	1816.4	1797.7	1765.0	1727.7	1671.6	1681.0	1732.3	1779.0
40°	1863.1	1844.4	1821.1	1760.4	1699.7	1746.3	1681.0	1662.3	1779.0	1788.4
42.5°	1849.1	1863.1	1844.4	1769.7	1709.0	1755.7	1741.7	1685.6	1802.4	1788.4
45°	1858.4	1872.4	1914.4	1788.4	1737.0	1760.4	1788.4	1727.7	1844.4	1797.7
47.5°	1783.7	1802.4	1849.1	1779.0	1746.3	1741.7	1783.7	1727.7	1788.4	1783.7
50°	1685.6	1704.3	1718.3	1657.6	1718.3	1685.6	1690.3	1667.0	1667.0	1676.3
52.5°	1559.6	1578.3	1592.3	1522.2	1559.6	1573.6	1517.6	1512.9	1470.9	1484.9
55°	1405.5	1433.5	1447.5	1419.5	1400.8	1428.8	1349.5	1340.1	1256.1	1260.7
57.5°	1228.0	1256.1	1270.1	1302.8	1288.8	1232.7	1186.0	1148.7	1055.3	1017.9
60°	1265.4	1293.4	1265.4	1172.0	1172.0	1045.9	1003.9	924.5	831.2	784.5
62.5°	1223.4	1260.7	1256.1	1158.0	1041.3	882.5	807.8	723.8	630.4	569.7
65°	1153.3	1190.7	1172.0	1106.6	994.6	756.4	644.4	560.3	443.6	429.6
67.5°	1036.6	1092.6	1055.3	1013.3	924.5	686.4	513.6	420.2	322.2	322.2
70°	859.2	901.2	924.5	877.8	826.5	644.4	438.9	322.2	233.5	177.4
72.5°	691.1	728.4	765.8	742.4	695.7	583.7	392.2	256.8	168.1	102.7
75°	382.9	396.9	410.9	466.9	532.3	476.3	359.5	224.1	140.1	79.4
77.5°	294.2	308.2	340.9	312.8	289.5	368.9	392.2	261.5	121.4	56.0
80°	228.8	247.5	350.2	289.5	247.5	280.2	336.2	228.8	79.4	28.0
82.5°	172.8	186.8	247.5	275.5	261.5	210.1	182.1	154.1	70.0	18.7
85°	126.1	144.8	172.8	154.1	149.4	149.4	200.8	135.4	51.4	14.0
87.5°	74.7	74.7	79.4	74.7	70.0	70.0	79.4	65.4	32.7	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
475875.7
465355.6
436806.9
378878.6
296753.4
210659.3
131256.4
71310.8
37093.6
21292.4
13891.4
7060.1
4604.0
3333.9
2666.2
2255.3
1947.1
1629.6
1442.8
1428.8
1554.9
1821.1
1802.4
1779.0
1783.7
1774.4
1643.6
1461.5
1228.0
994.6
747.1
560.3
429.6
284.8
158.8
98.1
70.0
28.0
18.7
14.0
9.3
9.3
0.0

OF REPORT)