

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: P479601

Luminaire Tested: **IFLD-S-SA3C-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479601
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

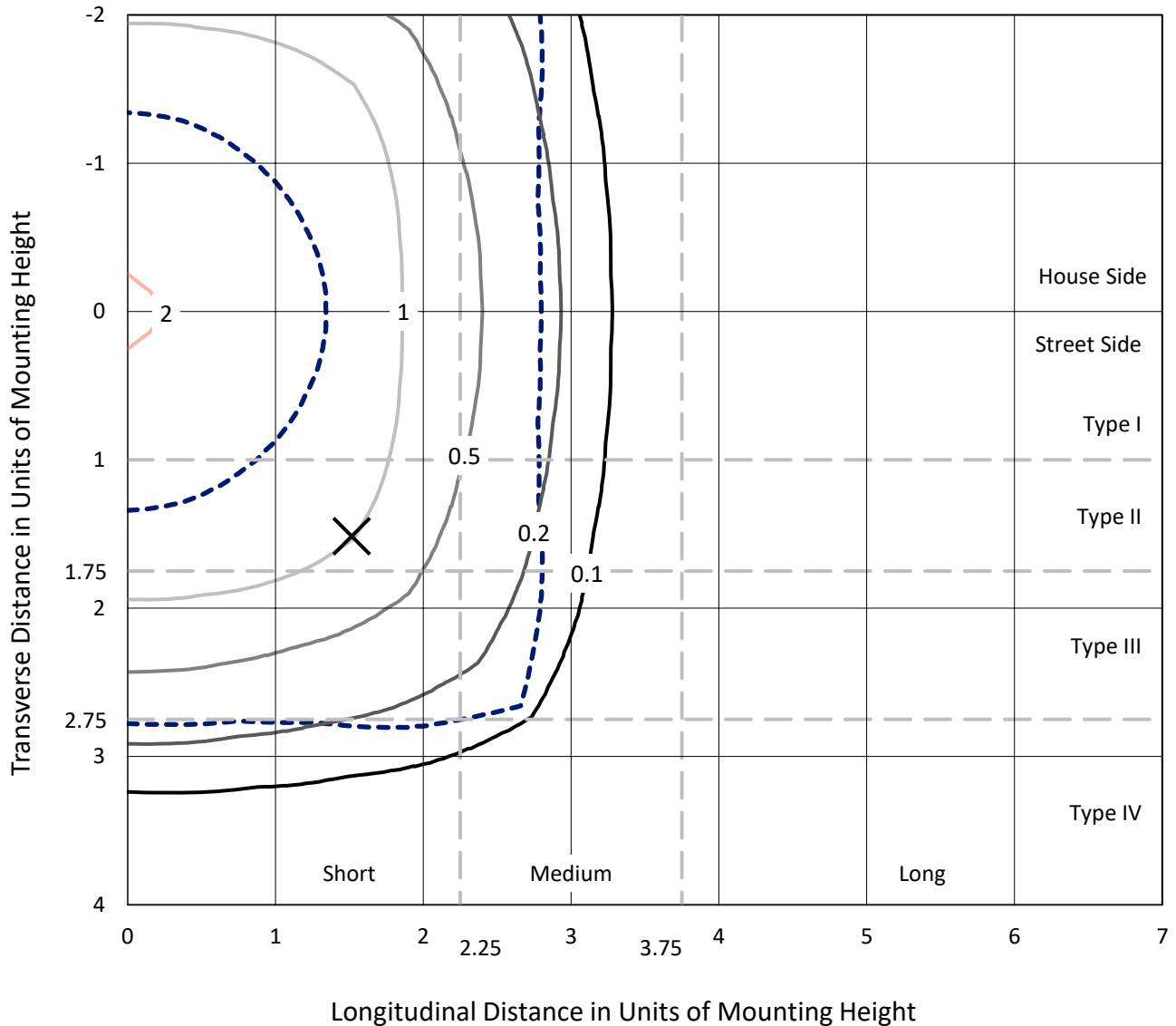
Lumens per Lamp: N/A
Luminaire Lumens: 18178.4 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 160.8
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

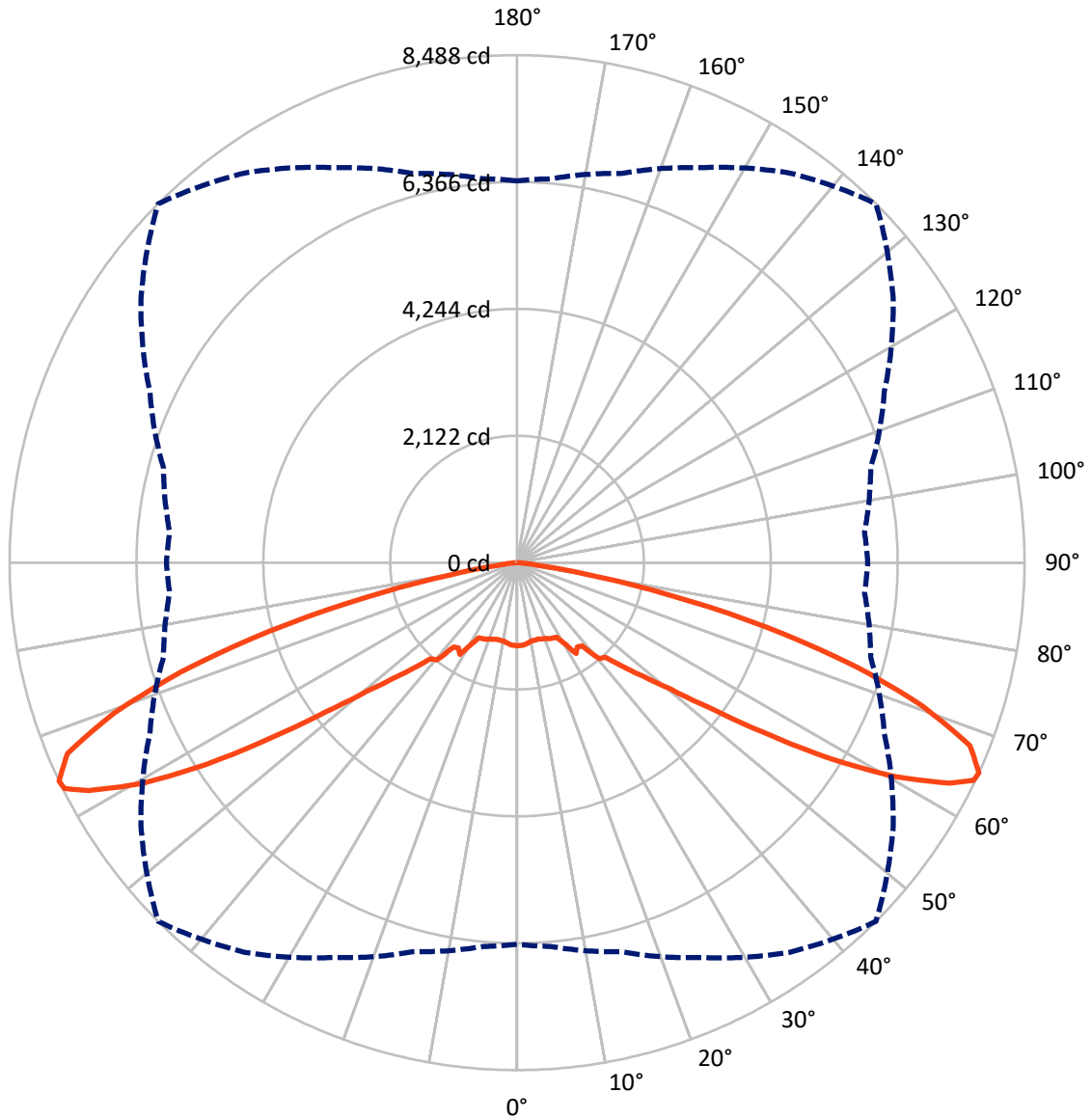
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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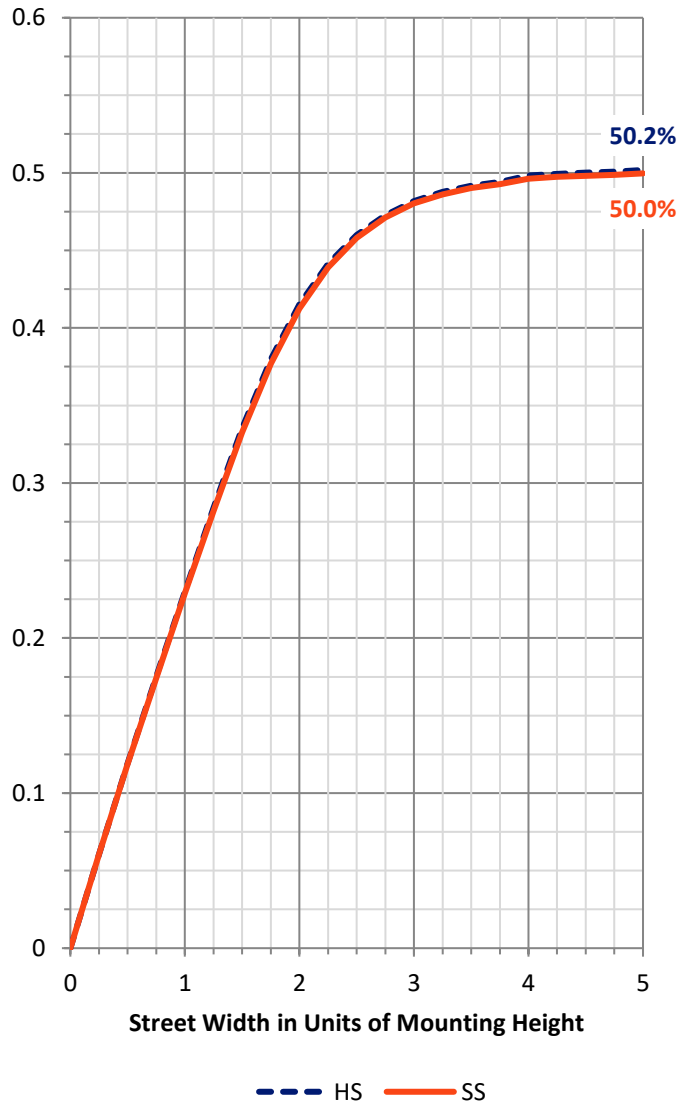
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9089.2	0.0	9089.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9089.2	0.0	9089.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18178.4	0.0	18178.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	0.7
10°-20°	383.1	2.1
20°-30°	663.2	3.6
30°-40°	1102.7	6.1
40°-50°	1989.5	10.9
50°-60°	4431.9	24.4
60°-70°	6604.9	36.3
70°-80°	2737.2	15.1
80°-90°	135.6	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°	18178.4	100.0
0°-180°	18178.4	100.0

Coefficient of Utilization



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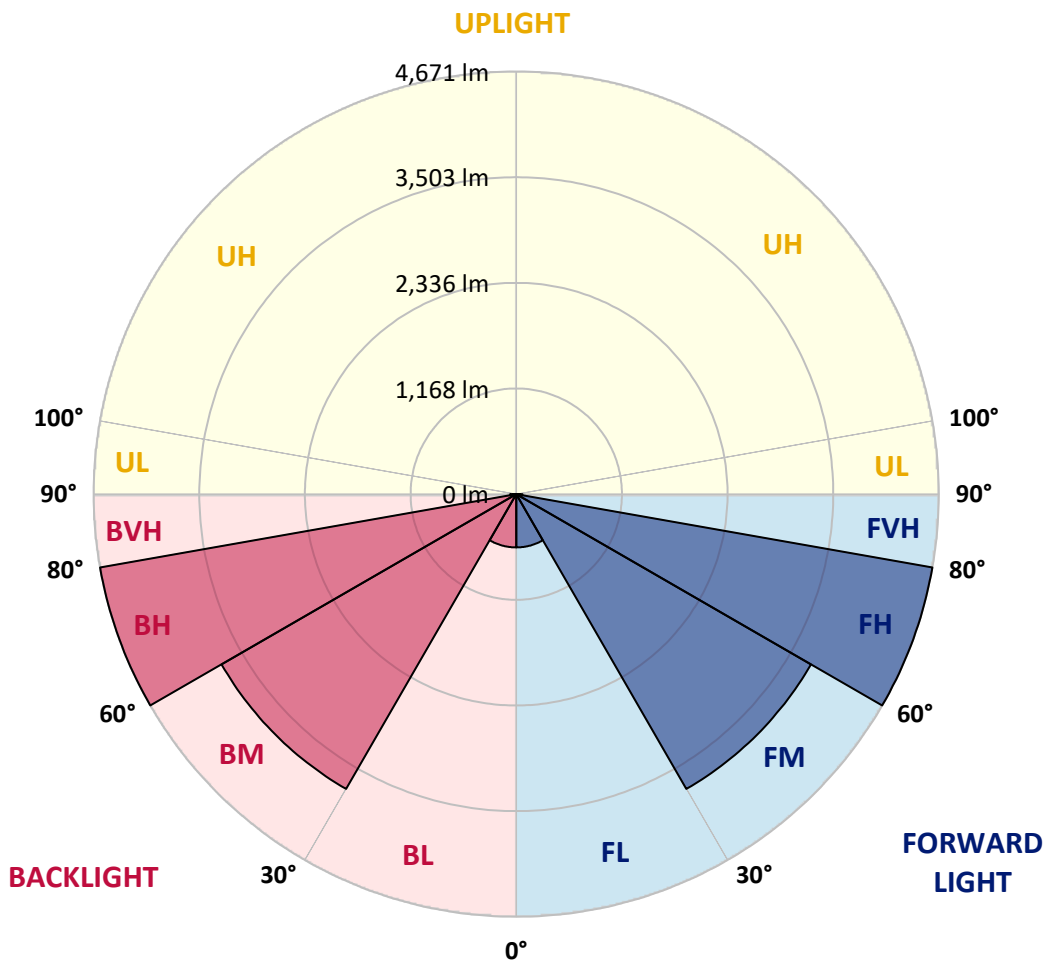
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.4	3.2			
FM (30°-60°)	3762.0	20.7			
FH (60°-80°)	4671.0	25.7			G2/5000
FVH (80°-90°)	67.8	0.4			G1/100
BL (0°-30°)	588.4	3.2	B2/1000		
BM (30°-60°)	3762.0	20.7	B3/5000		
BH (60°-80°)	4671.0	25.7	B4/5000		G2/5000
BVH (80°-90°)	67.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1389.9	1389.9	1389.9	1389.9	1389.9	1389.9	1389.9	1389.9	1389.9	1389.9	1389.9
2.5°	1373.8	1377.8	1375.8	1375.8	1381.8	1385.8	1387.8	1407.9	1399.9	1405.9	1399.9
5°	1377.8	1377.8	1381.8	1377.8	1381.8	1377.8	1381.8	1375.8	1381.8	1385.8	1391.9
7.5°	1369.8	1365.8	1359.7	1359.7	1357.7	1353.7	1347.7	1363.7	1355.7	1361.7	1371.8
10°	1371.8	1365.8	1345.7	1349.7	1331.6	1331.6	1335.6	1335.6	1353.7	1373.8	1379.8
12.5°	1371.8	1359.7	1353.7	1327.6	1327.6	1329.6	1339.6	1343.7	1355.7	1363.7	1383.8
15°	1371.8	1365.8	1355.7	1321.6	1329.6	1325.6	1335.6	1335.6	1361.7	1375.8	1385.8
17.5°	1379.8	1383.8	1365.8	1333.6	1335.6	1343.7	1337.6	1343.7	1375.8	1385.8	1399.9
20°	1381.8	1365.8	1359.7	1339.6	1357.7	1353.7	1351.7	1363.7	1373.8	1391.9	1407.9
22.5°	1377.8	1383.8	1359.7	1357.7	1373.8	1381.8	1385.8	1371.8	1383.8	1395.9	1409.9
25°	1411.9	1389.9	1383.8	1379.8	1387.8	1395.9	1391.9	1403.9	1403.9	1418.0	1436.0
27.5°	1504.3	1506.3	1494.3	1446.1	1430.0	1411.9	1420.0	1452.1	1490.3	1520.4	1526.4
30°	1546.5	1554.5	1586.7	1578.6	1572.6	1578.6	1576.6	1584.7	1588.7	1590.7	1584.7
32.5°	1584.7	1580.7	1566.6	1602.8	1721.2	1811.6	1725.3	1606.8	1580.7	1572.6	1580.7
35°	1723.3	1723.3	1693.1	1646.9	1709.2	1731.3	1691.1	1634.9	1667.0	1733.3	1737.3
37.5°	1902.0	1875.9	1888.0	1881.9	1813.6	1765.4	1835.7	1871.9	1877.9	1875.9	1896.0
40°	2008.5	1990.4	1972.3	2004.4	2066.7	2110.9	2048.6	1962.3	1984.4	2028.5	2010.5
42.5°	2251.5	2205.3	2209.3	2177.2	2175.2	2161.1	2147.0	2153.1	2185.2	2235.4	2243.4
45°	2500.5	2522.6	2508.6	2448.3	2476.4	2476.4	2436.3	2466.4	2482.5	2540.7	2548.7
47.5°	2890.2	2880.1	2886.2	2831.9	2829.9	2844.0	2829.9	2831.9	2882.1	2878.1	2856.0
50°	3346.1	3374.2	3382.2	3356.1	3324.0	3318.0	3295.9	3324.0	3354.1	3356.1	3338.1
52.5°	3976.7	4006.9	4006.9	4014.9	4055.1	4035.0	4031.0	4033.0	3974.7	3934.6	3954.7
55°	4772.1	4782.1	4816.3	4886.6	5009.1	5025.2	4948.8	4914.7	4808.3	4744.0	4794.2
57.5°	5557.4	5597.6	5692.0	5874.7	6025.4	6190.1	5969.1	5744.2	5535.3	5432.9	5451.0
60°	6210.2	6268.4	6449.2	6704.2	7122.0	7272.6	6899.1	6513.4	6089.6	5776.3	5902.9
62.5°	6517.4	6607.8	6760.5	7276.6	7903.3	8120.2	7571.9	6870.9	6228.2	5927.0	5920.9
64°	6519.5	6533.5	6838.8	7395.1	8039.9	8459.6	7734.6	6870.9	6262.4	5890.8	5959.1
65°	6384.9	6443.1	6738.4	7286.7	7953.5	8487.7	7678.3	6776.5	6121.8	5832.6	5864.7
67.5°	5774.3	5772.3	6045.5	6589.8	7515.7	8168.4	7200.3	6248.3	5774.3	5461.0	5499.2
70°	4380.4	4450.7	4711.8	5380.7	6503.4	7202.3	6296.5	5310.4	4719.9	4468.8	4454.8
72.5°	2621.0	2713.4	3046.8	3862.3	5051.3	5900.9	4997.0	3928.5	3217.6	2819.9	2829.9
75°	1195.0	1263.3	1492.3	2157.1	3366.2	4314.2	3386.3	2271.6	1628.9	1375.8	1339.6
77.5°	335.4	377.6	504.1	990.2	1847.8	2586.9	1900.0	1094.6	711.0	590.5	578.4
80°	150.6	158.7	178.8	241.0	586.5	1140.8	785.3	401.7	267.1	220.9	210.9
82.5°	82.3	88.4	116.5	124.5	166.7	303.3	259.1	188.8	160.7	128.5	124.5
85°	46.2	48.2	66.3	66.3	80.3	88.4	94.4	100.4	98.4	72.3	70.3
87.5°	14.1	16.1	20.1	20.1	20.1	20.1	32.1	44.2	48.2	34.1	34.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)