

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: P479563

Luminaire Tested: **IFLD-S-SA3D-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479563
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

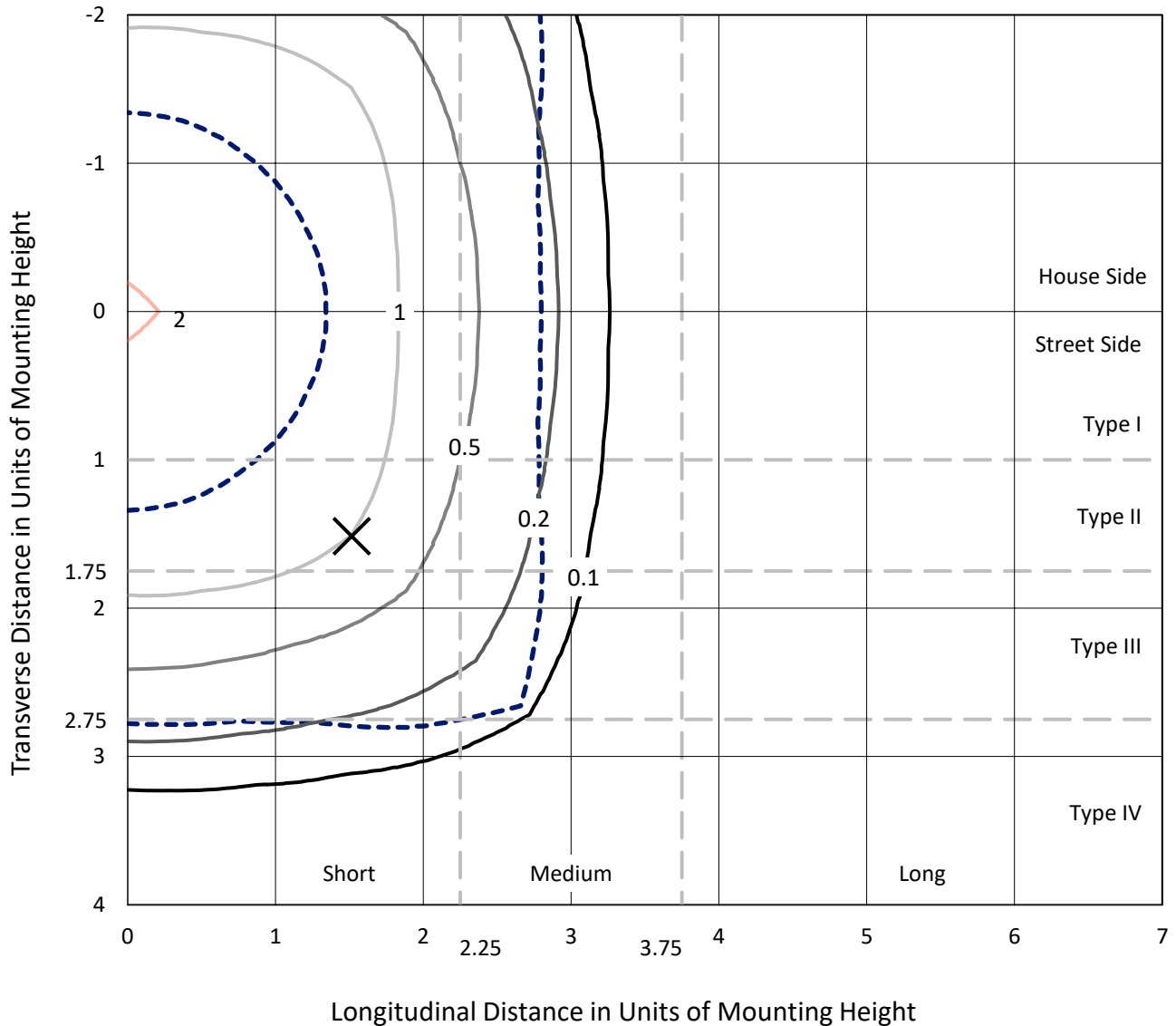
Lumens per Lamp: N/A
Luminaire Lumens: 17617.6 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 184.1
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

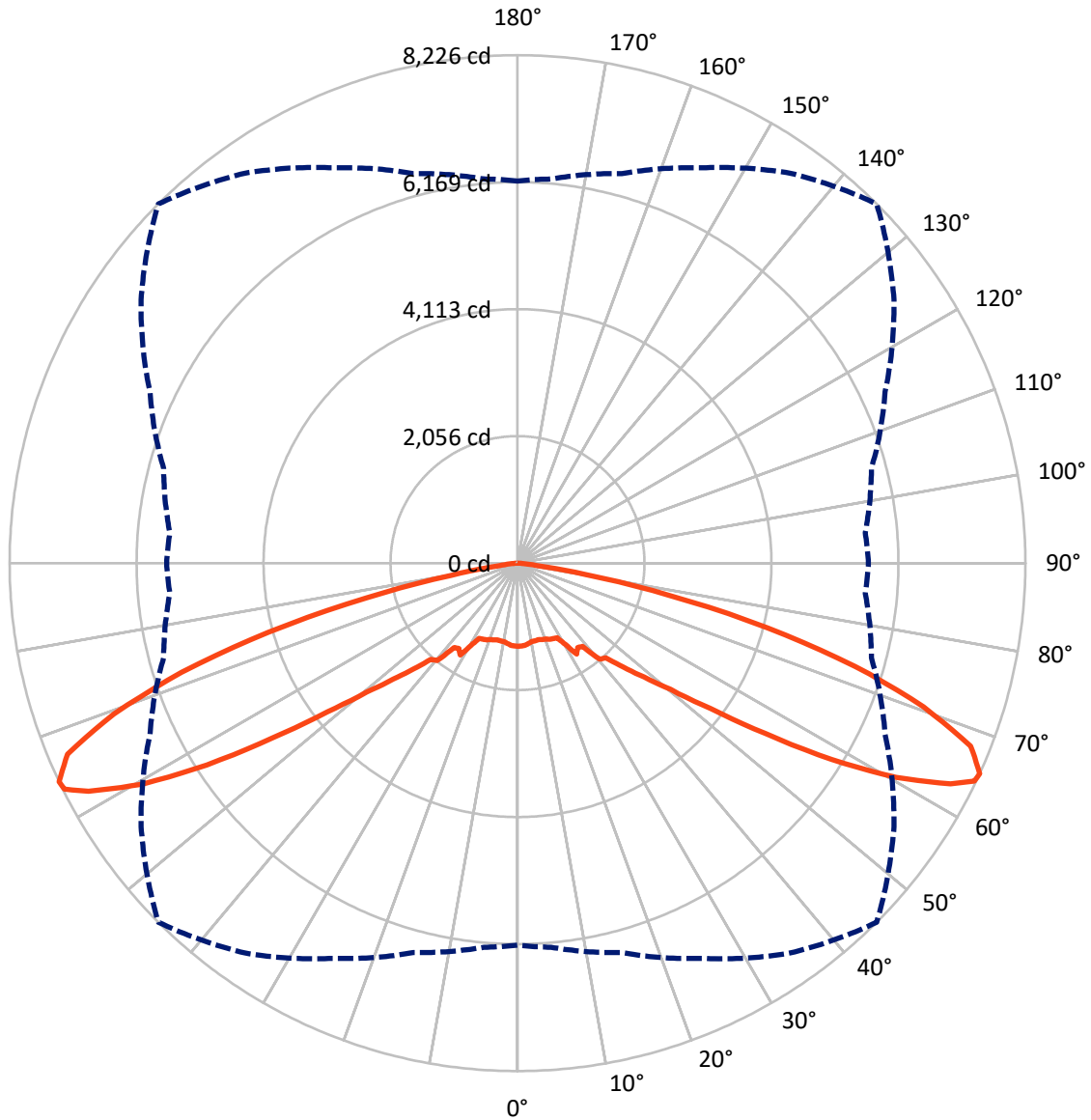
× Max cd
 - - - 1/2 Max cd



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	8808.8	0.0	8808.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8808.8	0.0	8808.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17617.6	0.0	17617.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	0.7
10°-20°	371.3	2.1
20°-30°	642.7	3.6
30°-40°	1068.7	6.1
40°-50°	1928.1	10.9
50°-60°	4295.2	24.4
60°-70°	6401.1	36.3
70°-80°	2652.7	15.1
80°-90°	131.4	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°	17617.6	100.0
0°-180°	17617.6	100.0

Coefficient of Utilization



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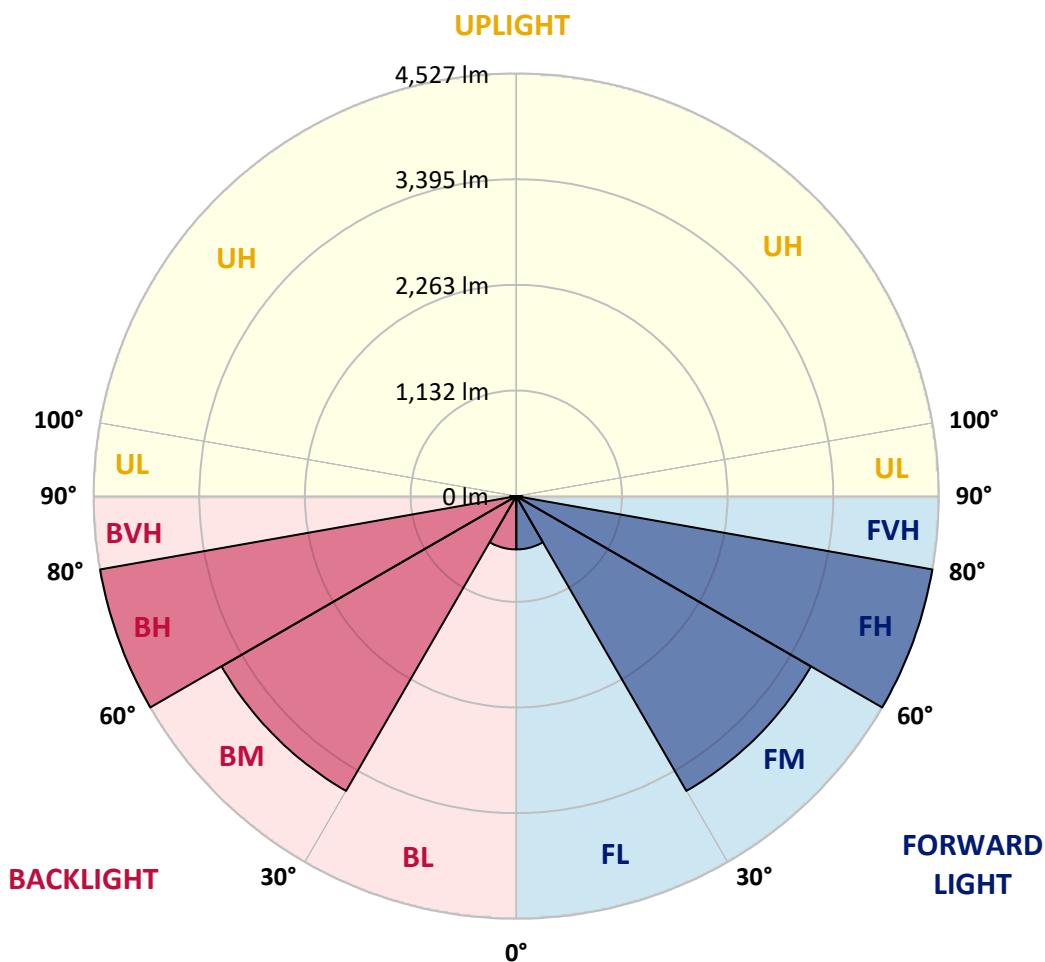
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.2	3.2			
FM (30°-60°)	3646.0	20.7			
FH (60°-80°)	4526.9	25.7			G2/5000
FVH (80°-90°)	65.7	0.4			G1/100
BL (0°-30°)	570.2	3.2	B2/1000		
BM (30°-60°)	3646.0	20.7	B3/5000		
BH (60°-80°)	4526.9	25.7	B4/5000		G2/5000
BVH (80°-90°)	65.7	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°	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0
2.5°	1331.4	1335.3	1333.3	1333.3	1339.2	1343.1	1345.0	1364.5	1356.7	1362.5	1356.7
5°	1335.3	1335.3	1339.2	1335.3	1339.2	1335.3	1339.2	1333.3	1339.2	1343.1	1348.9
7.5°	1327.5	1323.6	1317.8	1317.8	1315.8	1311.9	1306.1	1321.7	1313.9	1319.7	1329.5
10°	1329.5	1323.6	1304.1	1308.0	1290.5	1290.5	1294.4	1294.4	1311.9	1331.4	1337.2
12.5°	1329.5	1317.8	1311.9	1286.6	1286.6	1288.6	1298.3	1302.2	1313.9	1321.7	1341.1
15°	1329.5	1323.6	1313.9	1280.8	1288.6	1284.7	1294.4	1294.4	1319.7	1333.3	1343.1
17.5°	1337.2	1341.1	1323.6	1292.5	1294.4	1302.2	1296.4	1302.2	1333.3	1343.1	1356.7
20°	1339.2	1323.6	1317.8	1298.3	1315.8	1311.9	1310.0	1321.7	1331.4	1348.9	1364.5
22.5°	1335.3	1341.1	1317.8	1315.8	1331.4	1339.2	1343.1	1329.5	1341.1	1352.8	1366.4
25°	1368.4	1347.0	1341.1	1337.2	1345.0	1352.8	1348.9	1360.6	1360.6	1374.2	1391.7
27.5°	1457.9	1459.9	1448.2	1401.5	1385.9	1368.4	1376.2	1407.3	1444.3	1473.5	1479.3
30°	1498.8	1506.6	1537.7	1529.9	1524.1	1529.9	1528.0	1535.8	1539.7	1541.6	1535.8
32.5°	1535.8	1531.9	1518.3	1553.3	1668.1	1755.7	1672.0	1557.2	1531.9	1524.1	1531.9
35°	1670.1	1670.1	1640.9	1596.1	1656.5	1677.9	1638.9	1584.4	1615.6	1679.8	1683.7
37.5°	1843.3	1818.0	1829.7	1823.9	1757.7	1711.0	1779.1	1814.1	1820.0	1818.0	1837.5
40°	1946.5	1929.0	1911.5	1942.6	2002.9	2045.8	1985.4	1901.7	1923.1	1966.0	1948.4
42.5°	2182.0	2137.2	2141.1	2110.0	2108.1	2094.4	2080.8	2086.6	2117.8	2166.4	2174.2
45°	2423.4	2444.8	2431.2	2372.8	2400.0	2400.0	2361.1	2390.3	2405.9	2462.3	2470.1
47.5°	2801.0	2791.3	2797.1	2744.6	2742.6	2756.2	2742.6	2744.6	2793.2	2789.3	2767.9
50°	3242.9	3270.1	3277.9	3252.6	3221.4	3215.6	3194.2	3221.4	3250.6	3252.6	3235.1
52.5°	3854.1	3883.3	3883.3	3891.0	3930.0	3910.5	3906.6	3908.6	3852.1	3813.2	3832.6
55°	4624.9	4634.6	4667.7	4735.8	4854.6	4870.1	4796.2	4763.1	4659.9	4597.6	4646.3
57.5°	5385.9	5424.9	5516.4	5693.5	5839.5	5999.1	5785.0	5567.0	5364.5	5265.3	5282.8
60°	6018.6	6075.0	6250.2	6497.4	6902.3	7048.2	6686.2	6312.5	5901.8	5598.1	5720.7
62.5°	6316.4	6404.0	6551.9	7052.1	7659.4	7869.7	7338.3	6658.9	6036.1	5744.1	5738.3
64°	6318.3	6331.9	6627.8	7167.0	7791.8	8198.6	7495.9	6658.9	6069.2	5709.1	5775.2
65°	6187.9	6244.3	6530.5	7061.9	7708.1	8225.9	7441.4	6567.5	5932.9	5652.6	5683.8
67.5°	5596.2	5594.2	5858.9	6386.4	7283.8	7916.4	6978.2	6055.5	5596.2	5292.5	5329.5
70°	4245.3	4313.4	4566.5	5214.7	6302.7	6980.1	6102.3	5146.5	4574.3	4330.9	4317.3
72.5°	2540.2	2629.7	2952.8	3743.1	4895.4	5718.8	4842.9	3807.3	3118.3	2732.9	2742.6
75°	1158.2	1224.3	1446.2	2090.5	3262.3	4181.1	3281.8	2201.5	1578.6	1333.3	1298.3
77.5°	325.1	365.9	488.6	959.6	1790.8	2507.1	1841.4	1060.8	689.1	572.3	560.6
80°	146.0	153.8	173.2	233.6	568.4	1105.6	761.1	389.3	258.9	214.1	204.4
82.5°	79.8	85.6	112.9	120.7	161.6	293.9	251.1	183.0	155.7	124.6	120.7
85°	44.8	46.7	64.2	64.2	77.9	85.6	91.5	97.3	95.4	70.1	68.1
87.5°	13.6	15.6	19.5	19.5	19.5	19.5	31.1	42.8	46.7	33.1	33.1
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)