

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: P479639

Luminaire Tested: **IFLD-S-SA3B-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479639
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

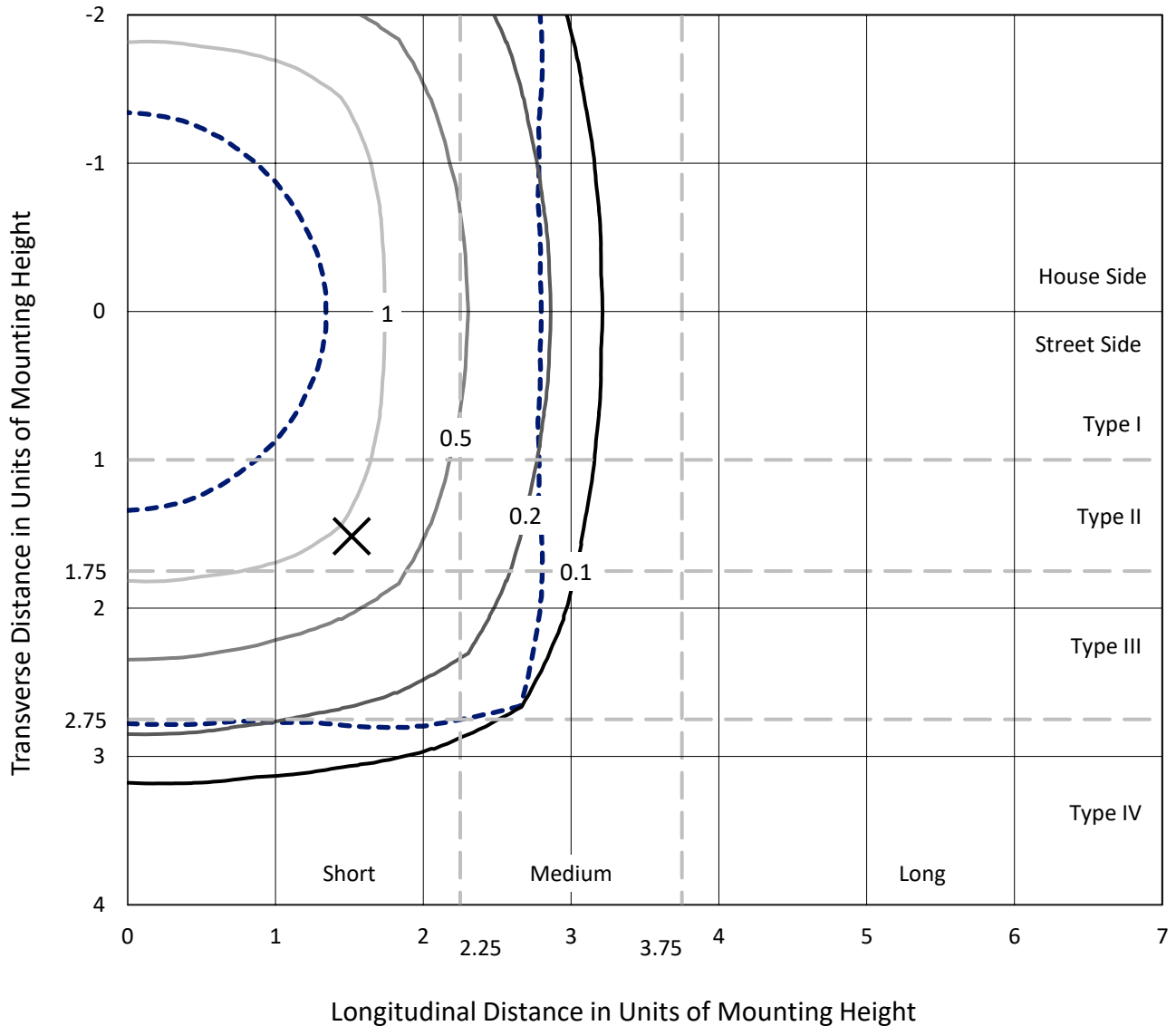
Lumens per Lamp: N/A
Luminaire Lumens: 15900.5 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 122.4
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

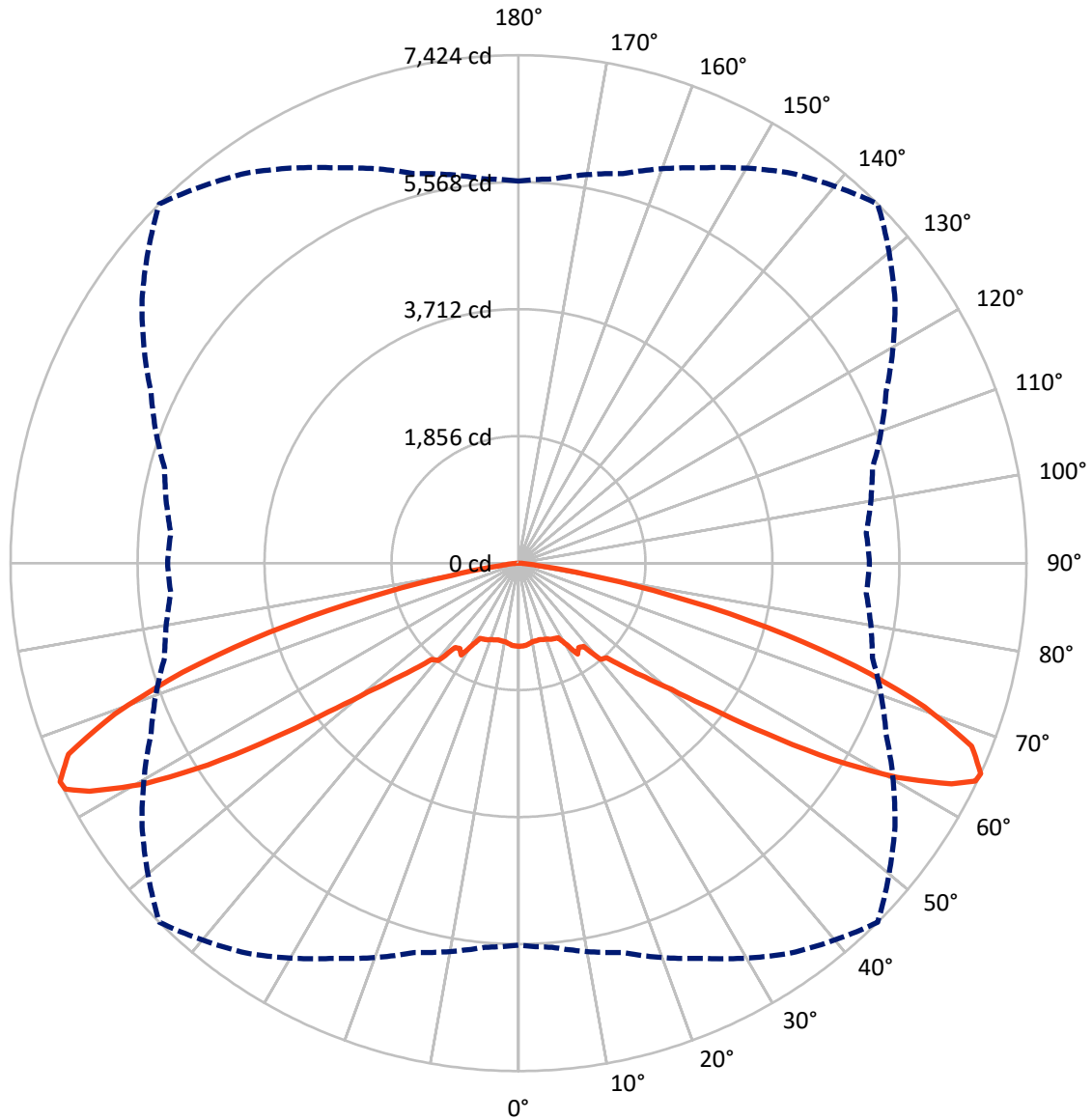
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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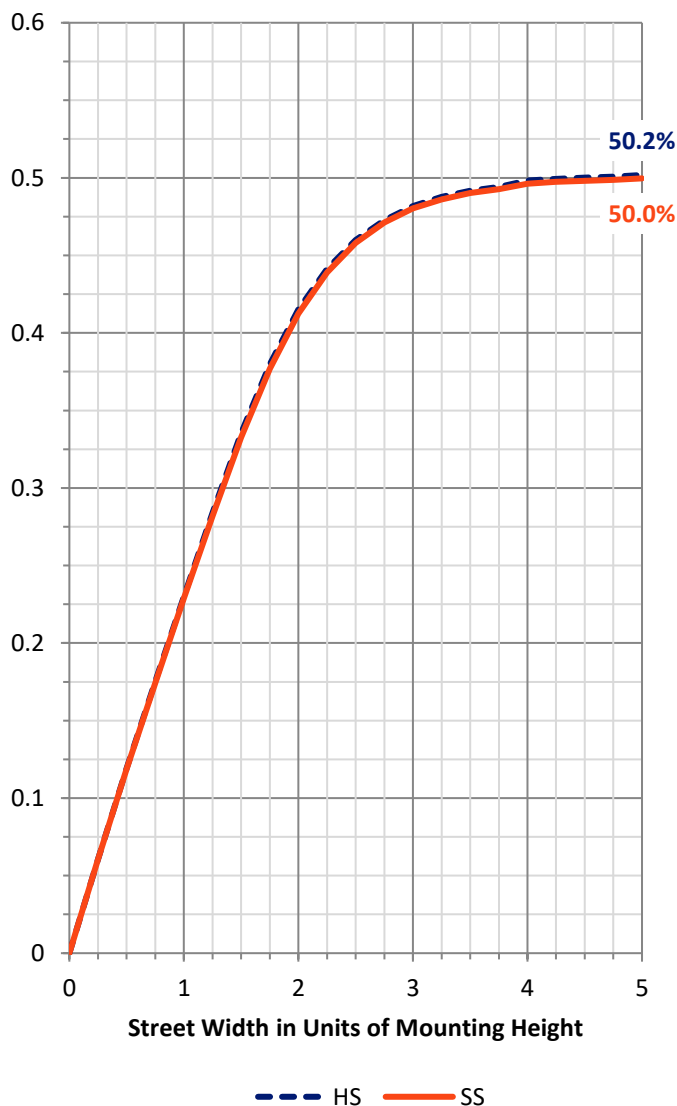
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7950.2	0.0	7950.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7950.2	0.0	7950.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15900.5	0.0	15900.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	0.7
10°-20°	335.1	2.1
20°-30°	580.1	3.6
30°-40°	964.5	6.1
40°-50°	1740.2	10.9
50°-60°	3876.5	24.4
60°-70°	5777.2	36.3
70°-80°	2394.2	15.1
80°-90°	118.6	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°	15900.5	100.0
0°-180°	15900.5	100.0

Coefficient of Utilization



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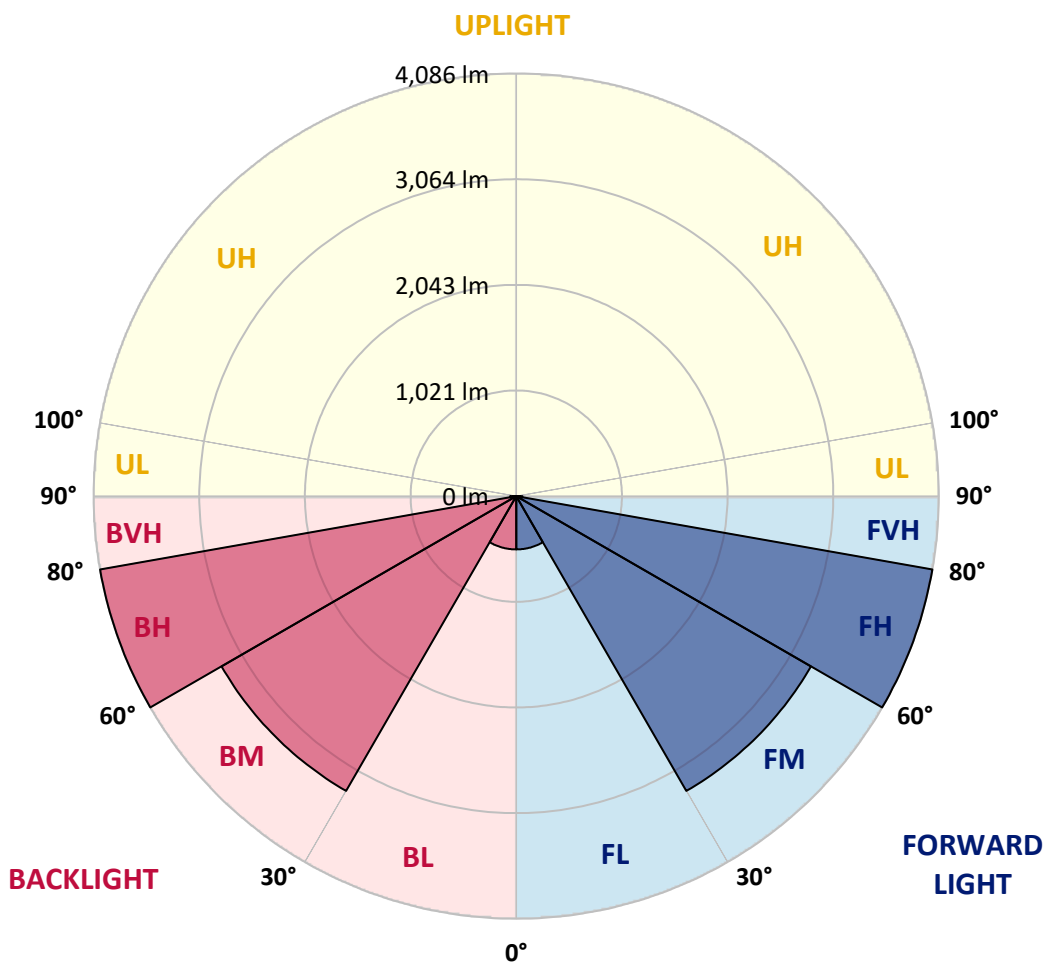
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	514.6	3.2			
FM (30°-60°)	3290.6	20.7			
FH (60°-80°)	4085.7	25.7			G2/5000
FVH (80°-90°)	59.3	0.4			G1/100
BL (0°-30°)	514.6	3.2	B2/1000		
BM (30°-60°)	3290.6	20.7	B3/5000		
BH (60°-80°)	4085.7	25.7	B4/5000		G2/5000
BVH (80°-90°)	59.3	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°	1215.7	1215.7	1215.7	1215.7	1215.7	1215.7	1215.7	1215.7	1215.7	1215.7	1215.7
2.5°	1201.6	1205.1	1203.4	1203.4	1208.7	1212.2	1213.9	1231.5	1224.5	1229.7	1224.5
5°	1205.1	1205.1	1208.7	1205.1	1208.7	1205.1	1208.7	1203.4	1208.7	1212.2	1217.4
7.5°	1198.1	1194.6	1189.3	1189.3	1187.6	1184.1	1178.8	1192.8	1185.8	1191.1	1199.9
10°	1199.9	1194.6	1177.0	1180.6	1164.7	1164.7	1168.3	1168.3	1184.1	1201.6	1206.9
12.5°	1199.9	1189.3	1184.1	1161.2	1161.2	1163.0	1171.8	1175.3	1185.8	1192.8	1210.4
15°	1199.9	1194.6	1185.8	1156.0	1163.0	1159.5	1168.3	1168.3	1191.1	1203.4	1212.2
17.5°	1206.9	1210.4	1194.6	1166.5	1168.3	1175.3	1170.0	1175.3	1203.4	1212.2	1224.5
20°	1208.7	1194.6	1189.3	1171.8	1187.6	1184.1	1182.3	1192.8	1201.6	1217.4	1231.5
22.5°	1205.1	1210.4	1189.3	1187.6	1201.6	1208.7	1212.2	1199.9	1210.4	1221.0	1233.3
25°	1235.0	1215.7	1210.4	1206.9	1213.9	1221.0	1217.4	1228.0	1228.0	1240.3	1256.1
27.5°	1315.8	1317.6	1307.0	1264.9	1250.8	1235.0	1242.0	1270.1	1303.5	1329.9	1335.1
30°	1352.7	1359.7	1387.9	1380.8	1375.6	1380.8	1379.1	1386.1	1389.6	1391.4	1386.1
32.5°	1386.1	1382.6	1370.3	1401.9	1505.6	1584.6	1509.1	1405.4	1382.6	1375.6	1382.6
35°	1507.3	1507.3	1481.0	1440.6	1495.0	1514.3	1479.2	1430.0	1458.1	1516.1	1519.6
37.5°	1663.7	1640.8	1651.4	1646.1	1586.4	1544.2	1605.7	1637.3	1642.6	1640.8	1658.4
40°	1756.8	1741.0	1725.2	1753.3	1807.7	1846.4	1791.9	1716.4	1735.7	1774.3	1758.5
42.5°	1969.3	1928.9	1932.5	1904.3	1902.6	1890.3	1878.0	1883.3	1911.4	1955.3	1962.3
45°	2187.2	2206.5	2194.2	2141.5	2166.1	2166.1	2131.0	2157.3	2171.4	2222.3	2229.3
47.5°	2528.0	2519.2	2524.5	2477.1	2475.3	2487.6	2475.3	2477.1	2521.0	2517.5	2498.1
50°	2926.8	2951.4	2958.4	2935.6	2907.5	2902.2	2882.9	2907.5	2933.8	2935.6	2919.8
52.5°	3478.4	3504.8	3504.8	3511.8	3546.9	3529.4	3525.8	3527.6	3476.7	3441.5	3459.1
55°	4174.1	4182.9	4212.7	4274.2	4381.4	4395.4	4328.7	4298.8	4205.7	4149.5	4193.4
57.5°	4861.0	4896.1	4978.7	5138.6	5270.3	5414.4	5221.1	5024.4	4841.7	4752.1	4767.9
60°	5431.9	5482.9	5641.0	5864.1	6229.5	6361.3	6034.5	5697.2	5326.5	5052.5	5163.2
62.5°	5700.7	5779.8	5913.3	6364.8	6912.9	7102.6	6623.0	6009.9	5447.8	5184.2	5179.0
64°	5702.5	5714.8	5981.8	6468.4	7032.4	7399.5	6765.3	6009.9	5477.6	5152.6	5212.3
65°	5584.8	5635.7	5894.0	6373.6	6956.8	7424.1	6716.1	5927.4	5354.6	5101.7	5129.8
67.5°	5050.7	5049.0	5287.9	5764.0	6573.8	7144.8	6298.0	5465.3	5050.7	4776.7	4810.0
70°	3831.5	3893.0	4121.4	4706.4	5688.4	6299.8	5507.5	4644.9	4128.4	3908.8	3896.5
72.5°	2292.6	2373.4	2665.0	3378.3	4418.3	5161.4	4370.9	3436.3	2814.4	2466.5	2475.3
75°	1045.3	1105.0	1305.3	1886.8	2944.4	3773.6	2961.9	1986.9	1424.7	1203.4	1171.8
77.5°	293.4	330.3	441.0	866.1	1616.2	2262.7	1661.9	957.4	621.9	516.5	506.0
80°	131.8	138.8	156.4	210.8	513.0	997.8	686.9	351.4	233.7	193.2	184.5
82.5°	72.0	77.3	101.9	108.9	145.8	265.3	226.6	165.1	140.5	112.4	108.9
85°	40.4	42.2	58.0	58.0	70.3	77.3	82.6	87.8	86.1	63.2	61.5
87.5°	12.3	14.1	17.6	17.6	17.6	17.6	28.1	38.6	42.2	29.9	29.9
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)