

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: P479562

Luminaire Tested: **IFLD-S-SA3C-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479562
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-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

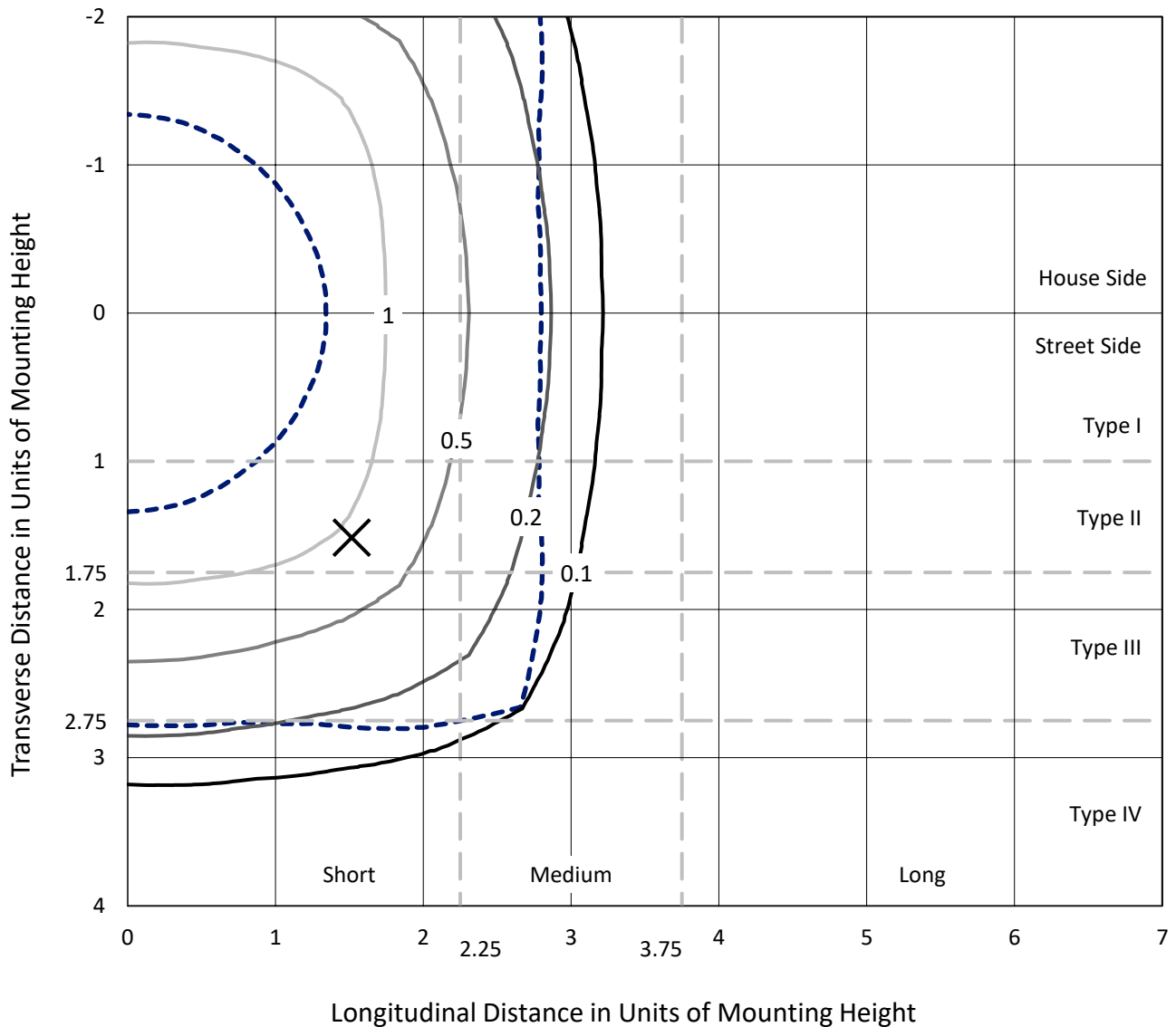
Lumens per Lamp: N/A
Luminaire Lumens: 16011.3 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

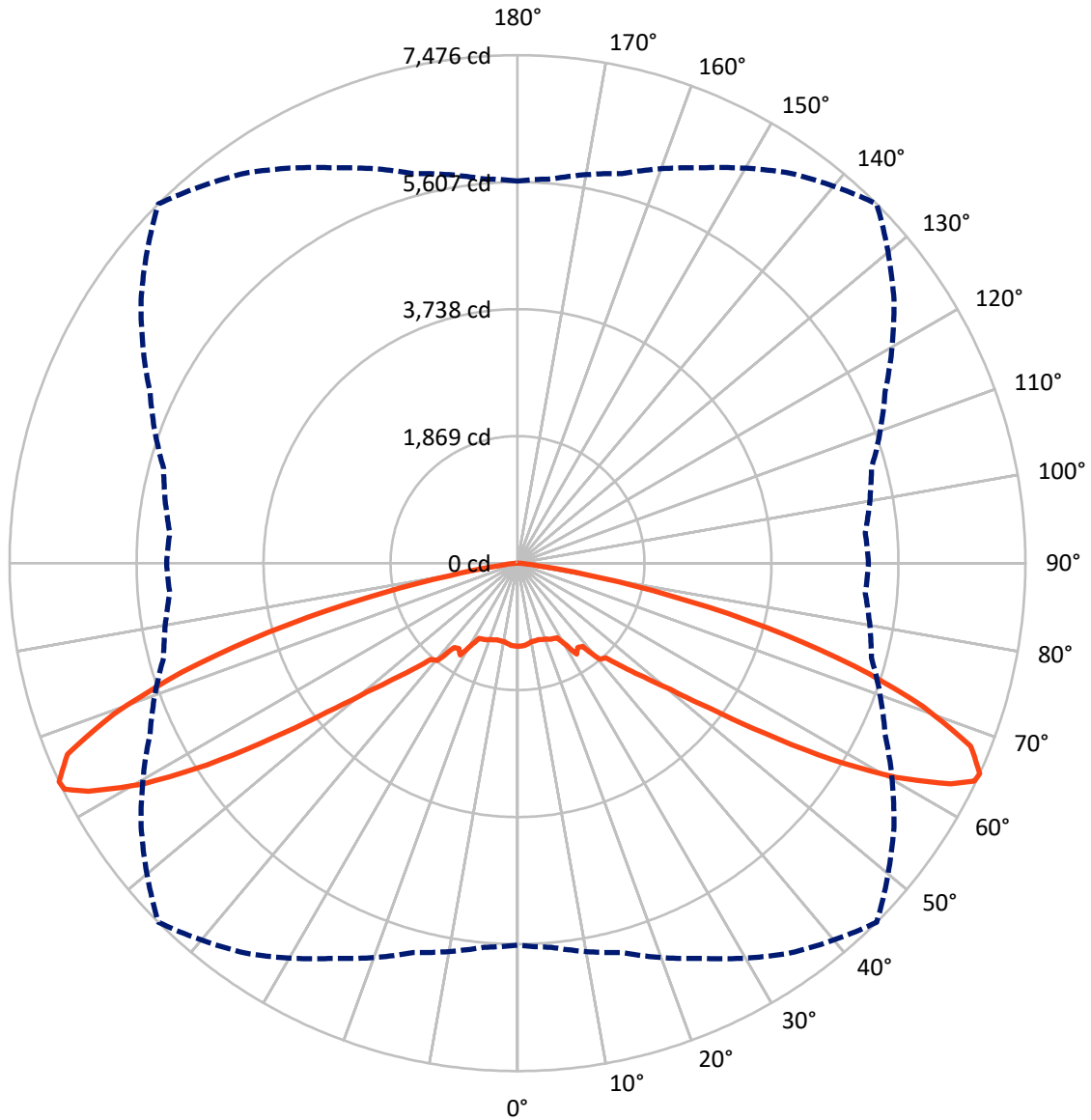
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	8005.6	0.0	8005.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8005.6	0.0	8005.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16011.3	0.0	16011.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	0.7
10°-20°	337.5	2.1
20°-30°	584.1	3.6
30°-40°	971.3	6.1
40°-50°	1752.3	10.9
50°-60°	3903.5	24.4
60°-70°	5817.5	36.3
70°-80°	2410.9	15.1
80°-90°	119.4	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°	16011.3	100.0
0°-180°	16011.3	100.0

Coefficient of Utilization



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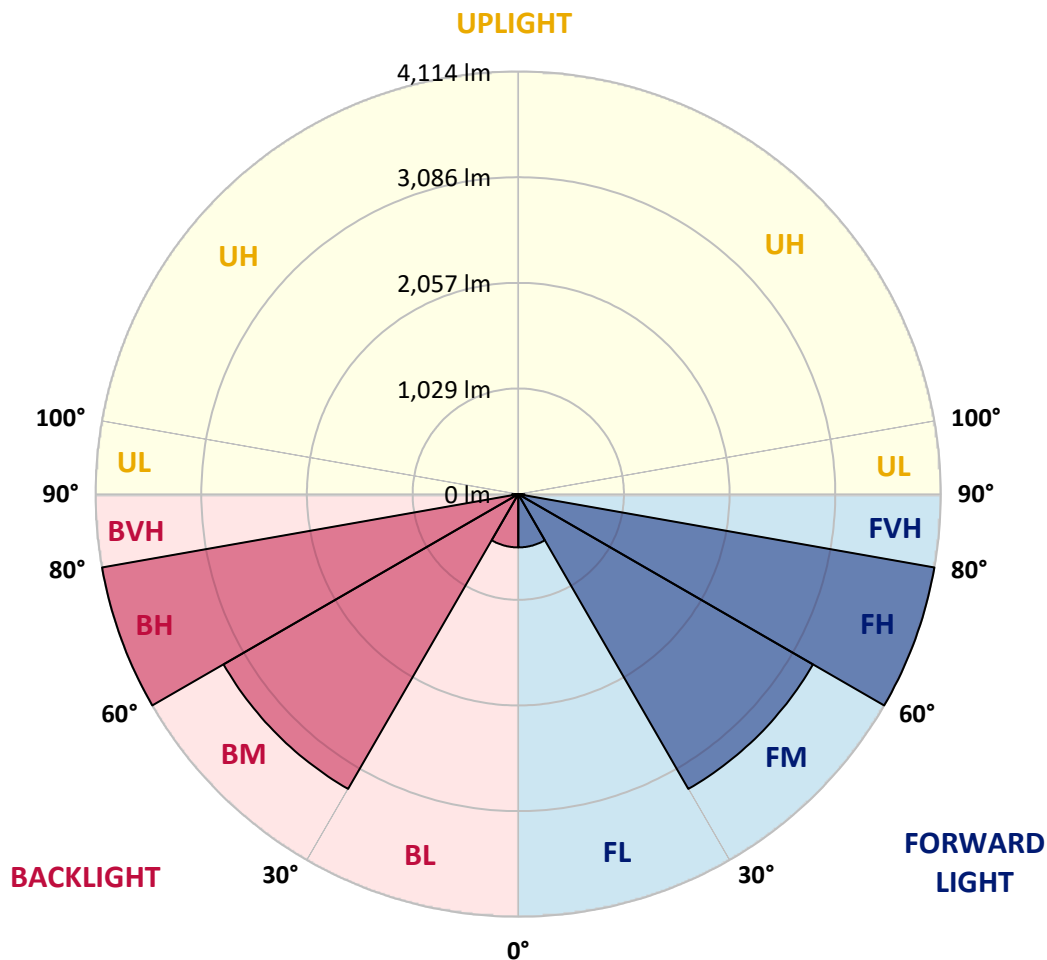
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.2	3.2			
FM (30°-60°)	3313.5	20.7			
FH (60°-80°)	4114.2	25.7			G2/5000
FVH (80°-90°)	59.7	0.4			G1/100
BL (0°-30°)	518.2	3.2	B2/1000		
BM (30°-60°)	3313.5	20.7	B3/5000		
BH (60°-80°)	4114.2	25.7	B4/5000		G2/5000
BVH (80°-90°)	59.7	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°	1224.2	1224.2	1224.2	1224.2	1224.2	1224.2	1224.2	1224.2	1224.2	1224.2	1224.2
2.5°	1210.0	1213.5	1211.8	1211.8	1217.1	1220.6	1222.4	1240.1	1233.0	1238.3	1233.0
5°	1213.5	1213.5	1217.1	1213.5	1217.1	1213.5	1217.1	1211.8	1217.1	1220.6	1225.9
7.5°	1206.5	1202.9	1197.6	1197.6	1195.9	1192.3	1187.0	1201.2	1194.1	1199.4	1208.2
10°	1208.2	1202.9	1185.2	1188.8	1172.9	1172.9	1176.4	1176.4	1192.3	1210.0	1215.3
12.5°	1208.2	1197.6	1192.3	1169.3	1169.3	1171.1	1179.9	1183.5	1194.1	1201.2	1218.9
15°	1208.2	1202.9	1194.1	1164.0	1171.1	1167.6	1176.4	1176.4	1199.4	1211.8	1220.6
17.5°	1215.3	1218.9	1202.9	1174.6	1176.4	1183.5	1178.2	1183.5	1211.8	1220.6	1233.0
20°	1217.1	1202.9	1197.6	1179.9	1195.9	1192.3	1190.5	1201.2	1210.0	1225.9	1240.1
22.5°	1213.5	1218.9	1197.6	1195.9	1210.0	1217.1	1220.6	1208.2	1218.9	1229.5	1241.9
25°	1243.6	1224.2	1218.9	1215.3	1222.4	1229.5	1225.9	1236.5	1236.5	1248.9	1264.8
27.5°	1325.0	1326.8	1316.2	1273.7	1259.5	1243.6	1250.7	1279.0	1312.6	1339.1	1344.5
30°	1362.1	1369.2	1397.5	1390.4	1385.1	1390.4	1388.7	1395.8	1399.3	1401.1	1395.8
32.5°	1395.8	1392.2	1379.8	1411.7	1516.0	1595.7	1519.6	1415.2	1392.2	1385.1	1392.2
35°	1517.8	1517.8	1491.3	1450.6	1505.4	1524.9	1489.5	1440.0	1468.3	1526.7	1530.2
37.5°	1675.3	1652.3	1662.9	1657.6	1597.4	1555.0	1616.9	1648.7	1654.0	1652.3	1670.0
40°	1769.0	1753.1	1737.2	1765.5	1820.3	1859.2	1804.4	1728.3	1747.8	1786.7	1770.8
42.5°	1983.1	1942.4	1945.9	1917.6	1915.8	1903.5	1891.1	1896.4	1924.7	1968.9	1976.0
45°	2202.4	2221.9	2209.5	2156.4	2181.2	2181.2	2145.8	2172.4	2186.5	2237.8	2244.9
47.5°	2545.6	2536.8	2542.1	2494.3	2492.5	2504.9	2492.5	2494.3	2538.5	2535.0	2515.5
50°	2947.2	2972.0	2979.0	2956.0	2927.7	2922.4	2903.0	2927.7	2954.3	2956.0	2940.1
52.5°	3502.7	3529.2	3529.2	3536.3	3571.6	3554.0	3550.4	3552.2	3500.9	3465.5	3483.2
55°	4203.2	4212.0	4242.1	4304.0	4411.9	4426.1	4358.9	4328.8	4235.0	4178.4	4222.6
57.5°	4894.9	4930.3	5013.4	5174.4	5307.1	5452.1	5257.5	5059.4	4875.4	4785.2	4801.1
60°	5469.8	5521.1	5680.3	5905.0	6272.9	6405.6	6076.6	5736.9	5363.7	5087.7	5199.1
62.5°	5740.5	5820.1	5954.5	6409.2	6961.1	7152.1	6669.2	6051.8	5485.7	5220.4	5215.1
64°	5742.2	5754.6	6023.5	6513.5	7081.4	7451.1	6812.5	6051.8	5515.8	5188.5	5248.7
65°	5623.7	5675.0	5935.1	6418.0	7005.3	7475.9	6763.0	5968.7	5392.0	5137.2	5165.5
67.5°	5085.9	5084.2	5324.7	5804.2	6619.7	7194.6	6341.9	5503.4	5085.9	4810.0	4843.6
70°	3858.2	3920.1	4150.1	4739.2	5728.1	6343.7	5545.9	4677.3	4157.2	3936.1	3923.7
72.5°	2308.6	2389.9	2683.6	3401.8	4449.1	5197.4	4401.3	3460.2	2834.0	2483.7	2492.5
75°	1052.6	1112.7	1314.4	1899.9	2964.9	3799.9	2982.6	2000.8	1434.7	1211.8	1179.9
77.5°	295.4	332.6	444.0	872.1	1627.5	2278.5	1673.5	964.1	626.2	520.1	509.5
80°	132.7	139.8	157.4	212.3	516.6	1004.8	691.7	353.8	235.3	194.6	185.7
82.5°	72.5	77.8	102.6	109.7	146.8	267.1	228.2	166.3	141.5	113.2	109.7
85°	40.7	42.5	58.4	58.4	70.8	77.8	83.1	88.5	86.7	63.7	61.9
87.5°	12.4	14.2	17.7	17.7	17.7	17.7	28.3	38.9	42.5	30.1	30.1
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)