

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: P479678

Luminaire Tested: **IFLD-S-SA3B-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479678
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

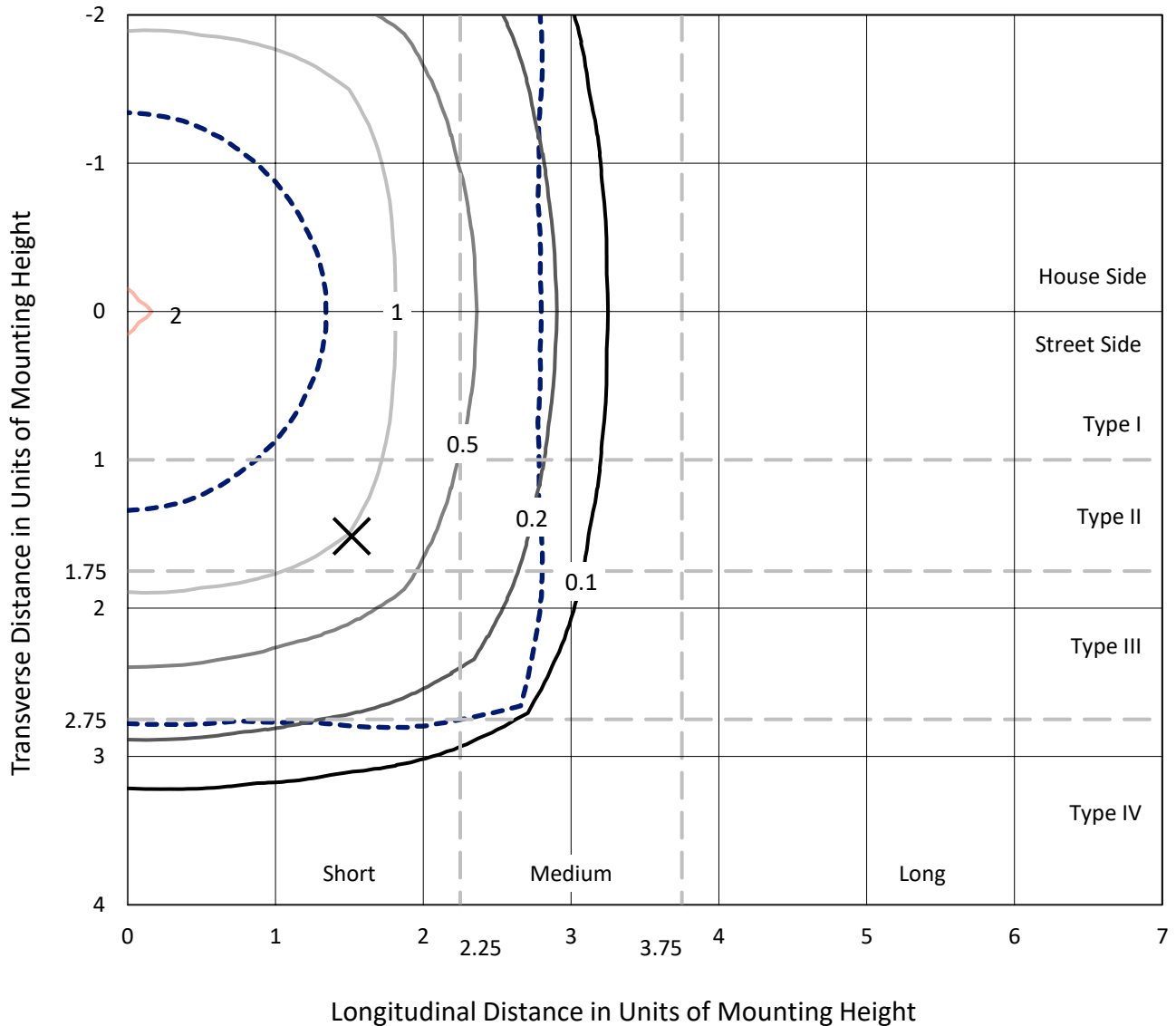
Lumens per Lamp: N/A
Luminaire Lumens: 17222.3 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 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

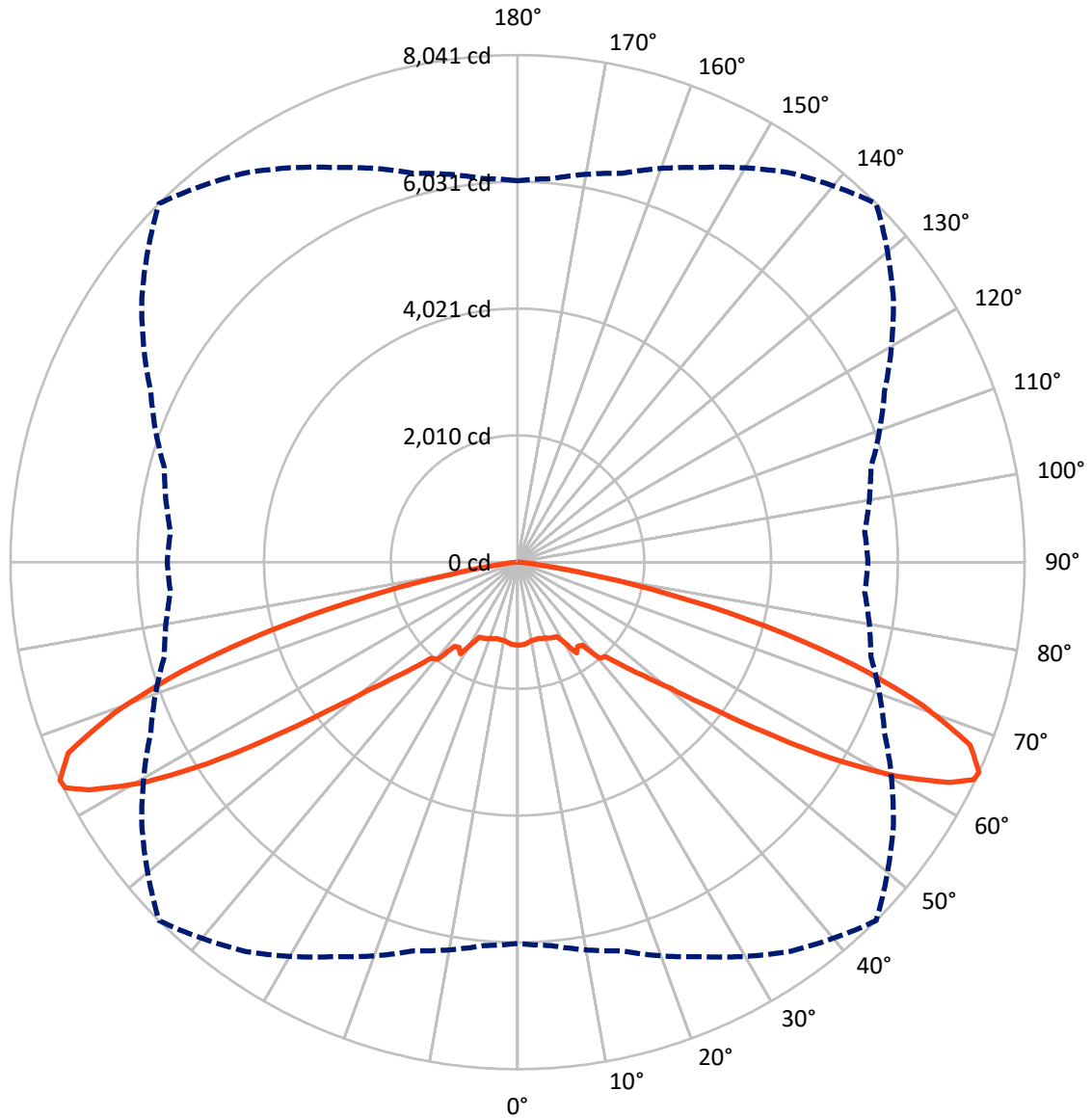
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	8611.1	0.0	8611.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8611.1	0.0	8611.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	17222.3	0.0	17222.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	0.7
10°-20°	363.0	2.1
20°-30°	628.3	3.6
30°-40°	1044.7	6.1
40°-50°	1884.8	10.9
50°-60°	4198.8	24.4
60°-70°	6257.5	36.3
70°-80°	2593.2	15.1
80°-90°	128.4	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°	17222.3	100.0
0°-180°	17222.3	100.0

Coefficient of Utilization



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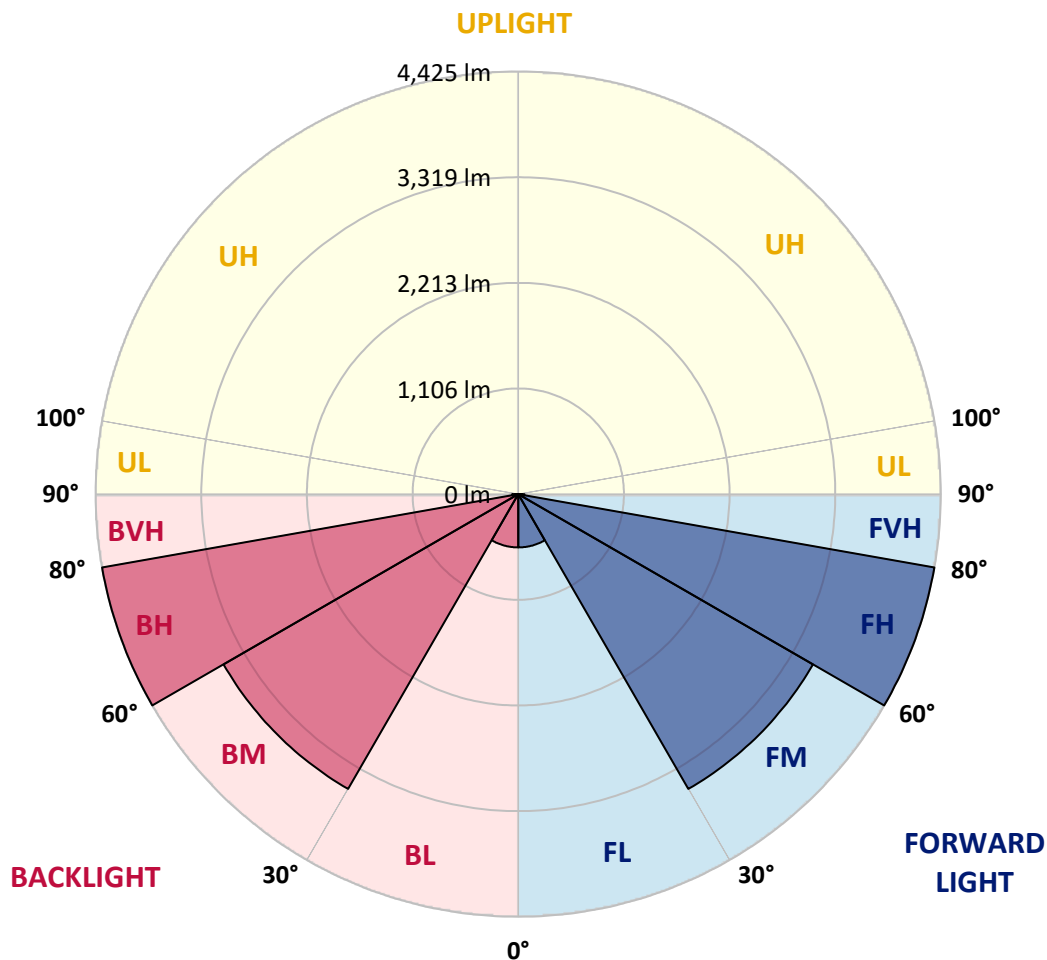
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.4	3.2			
FM (30°-60°)	3564.2	20.7			
FH (60°-80°)	4425.4	25.7			G2/5000
FVH (80°-90°)	64.2	0.4			G1/100
BL (0°-30°)	557.4	3.2	B2/1000		
BM (30°-60°)	3564.2	20.7	B3/5000		
BH (60°-80°)	4425.4	25.7	B4/5000		G2/5000
BVH (80°-90°)	64.2	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°	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8
2.5°	1301.5	1305.3	1303.4	1303.4	1309.1	1312.9	1314.8	1333.9	1326.3	1332.0	1326.3
5°	1305.3	1305.3	1309.1	1305.3	1309.1	1305.3	1309.1	1303.4	1309.1	1312.9	1318.7
7.5°	1297.7	1293.9	1288.2	1288.2	1286.3	1282.5	1276.8	1292.0	1284.4	1290.1	1299.6
10°	1299.6	1293.9	1274.9	1278.7	1261.6	1261.6	1265.4	1265.4	1282.5	1301.5	1307.2
12.5°	1299.6	1288.2	1282.5	1257.8	1257.8	1259.7	1269.2	1273.0	1284.4	1292.0	1311.0
15°	1299.6	1293.9	1284.4	1252.1	1259.7	1255.9	1265.4	1265.4	1290.1	1303.4	1312.9
17.5°	1307.2	1311.0	1293.9	1263.5	1265.4	1273.0	1267.3	1273.0	1303.4	1312.9	1326.3
20°	1309.1	1293.9	1288.2	1269.2	1286.3	1282.5	1280.6	1292.0	1301.5	1318.7	1333.9
22.5°	1305.3	1311.0	1288.2	1286.3	1301.5	1309.1	1312.9	1299.6	1311.0	1322.5	1335.8
25°	1337.7	1316.8	1311.0	1307.2	1314.8	1322.5	1318.7	1330.1	1330.1	1343.4	1360.5
27.5°	1425.2	1427.1	1415.7	1370.0	1354.8	1337.7	1345.3	1375.7	1411.9	1440.4	1446.1
30°	1465.2	1472.8	1503.2	1495.6	1489.9	1495.6	1493.7	1501.3	1505.1	1507.0	1501.3
32.5°	1501.3	1497.5	1484.2	1518.4	1630.7	1716.3	1634.5	1522.3	1497.5	1489.9	1497.5
35°	1632.6	1632.6	1604.1	1560.3	1619.3	1640.2	1602.2	1548.9	1579.3	1642.1	1645.9
37.5°	1802.0	1777.2	1788.6	1782.9	1718.2	1672.6	1739.2	1773.4	1779.1	1777.2	1796.3
40°	1902.8	1885.7	1868.6	1899.0	1958.0	1999.9	1940.9	1859.1	1880.0	1921.8	1904.7
42.5°	2133.1	2089.3	2093.1	2062.7	2060.8	2047.4	2034.1	2039.8	2070.3	2117.8	2125.4
45°	2369.0	2389.9	2376.6	2319.5	2346.2	2346.2	2308.1	2336.7	2351.9	2407.1	2414.7
47.5°	2738.2	2728.6	2734.4	2683.0	2681.1	2694.4	2681.1	2683.0	2730.5	2726.7	2705.8
50°	3170.1	3196.7	3204.3	3179.6	3149.2	3143.5	3122.5	3149.2	3177.7	3179.6	3162.5
52.5°	3767.6	3796.1	3796.1	3803.7	3841.8	3822.8	3819.0	3820.9	3765.7	3727.6	3746.6
55°	4521.1	4530.6	4563.0	4629.6	4745.6	4760.9	4688.5	4656.2	4555.3	4494.5	4542.0
57.5°	5265.1	5303.2	5392.6	5565.7	5708.5	5864.5	5655.2	5442.1	5244.2	5147.1	5164.2
60°	5883.5	5938.7	6110.0	6351.6	6747.4	6890.1	6536.2	6170.8	5769.3	5472.5	5592.4
62.5°	6174.6	6260.3	6404.9	6893.9	7487.6	7693.1	7173.6	6509.5	5900.6	5615.2	5609.5
64°	6176.5	6189.9	6479.1	7006.2	7617.0	8014.7	7327.8	6509.5	5933.0	5581.0	5645.7
65°	6049.1	6104.2	6384.0	6903.4	7535.2	8041.3	7274.5	6420.1	5799.8	5525.8	5556.2
67.5°	5470.6	5468.7	5727.5	6243.1	7120.3	7738.8	6821.6	5919.7	5470.6	5173.8	5209.9
70°	4150.0	4216.6	4464.0	5097.7	6161.3	6823.5	5965.3	5031.1	4471.6	4233.8	4220.5
72.5°	2483.2	2570.7	2886.6	3659.1	4785.6	5590.5	4734.2	3721.9	3048.3	2671.6	2681.1
75°	1132.2	1196.9	1413.8	2043.6	3189.1	4087.3	3208.2	2152.1	1543.2	1303.4	1269.2
77.5°	317.8	357.7	477.6	938.1	1750.6	2450.8	1800.1	1037.0	673.6	559.4	548.0
80°	142.7	150.3	169.4	228.3	555.6	1080.8	744.0	380.6	253.1	209.3	199.8
82.5°	78.0	83.7	110.4	118.0	157.9	287.3	245.5	178.9	152.2	121.8	118.0
85°	43.8	45.7	62.8	62.8	76.1	83.7	89.4	95.1	93.2	68.5	66.6
87.5°	13.3	15.2	19.0	19.0	19.0	19.0	30.4	41.9	45.7	32.3	32.3
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)