

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: P479873

Luminaire Tested: **IFLD-S-SA3B-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479873
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

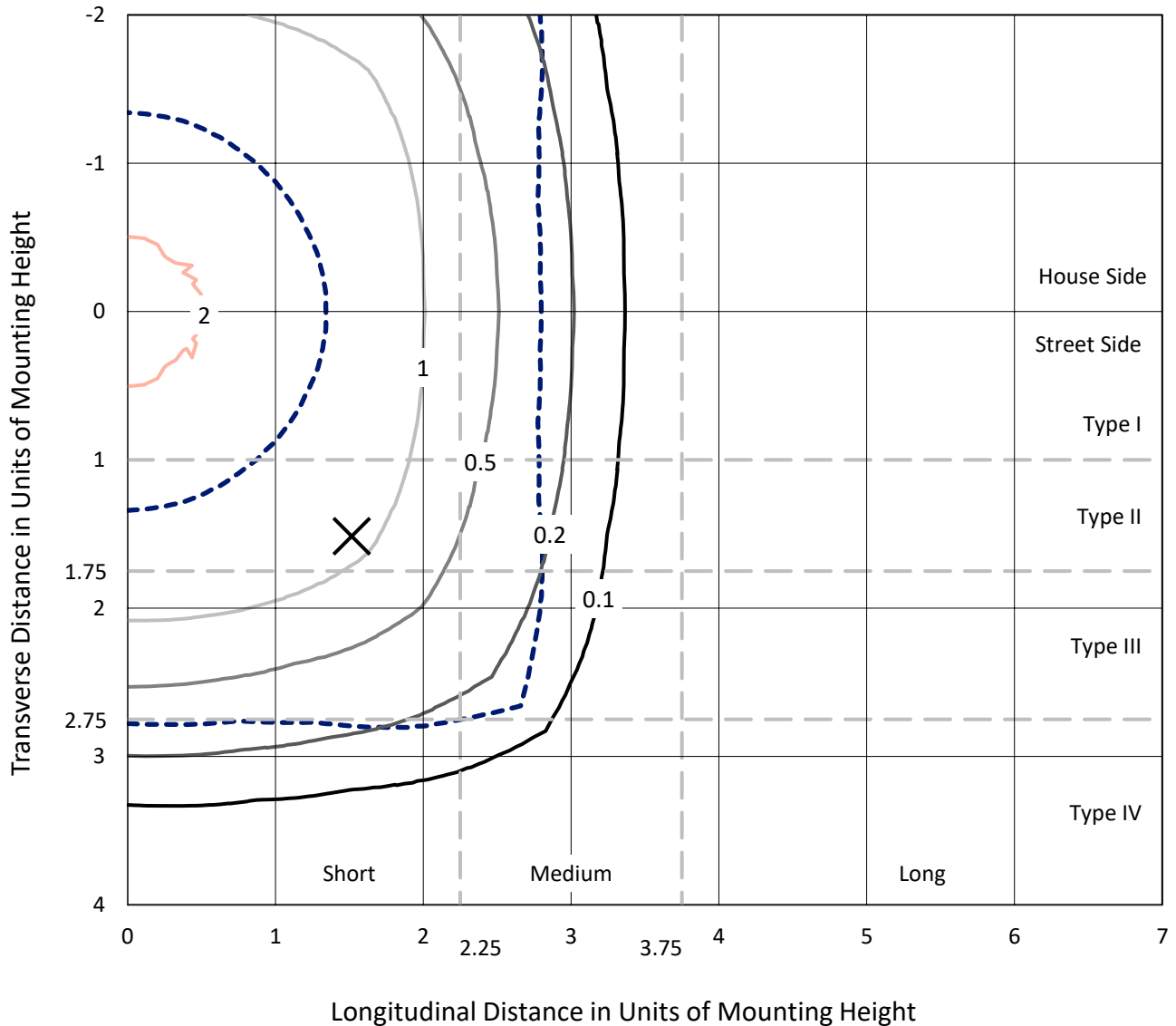
Lumens per Lamp: N/A
Luminaire Lumens: 13874.9 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

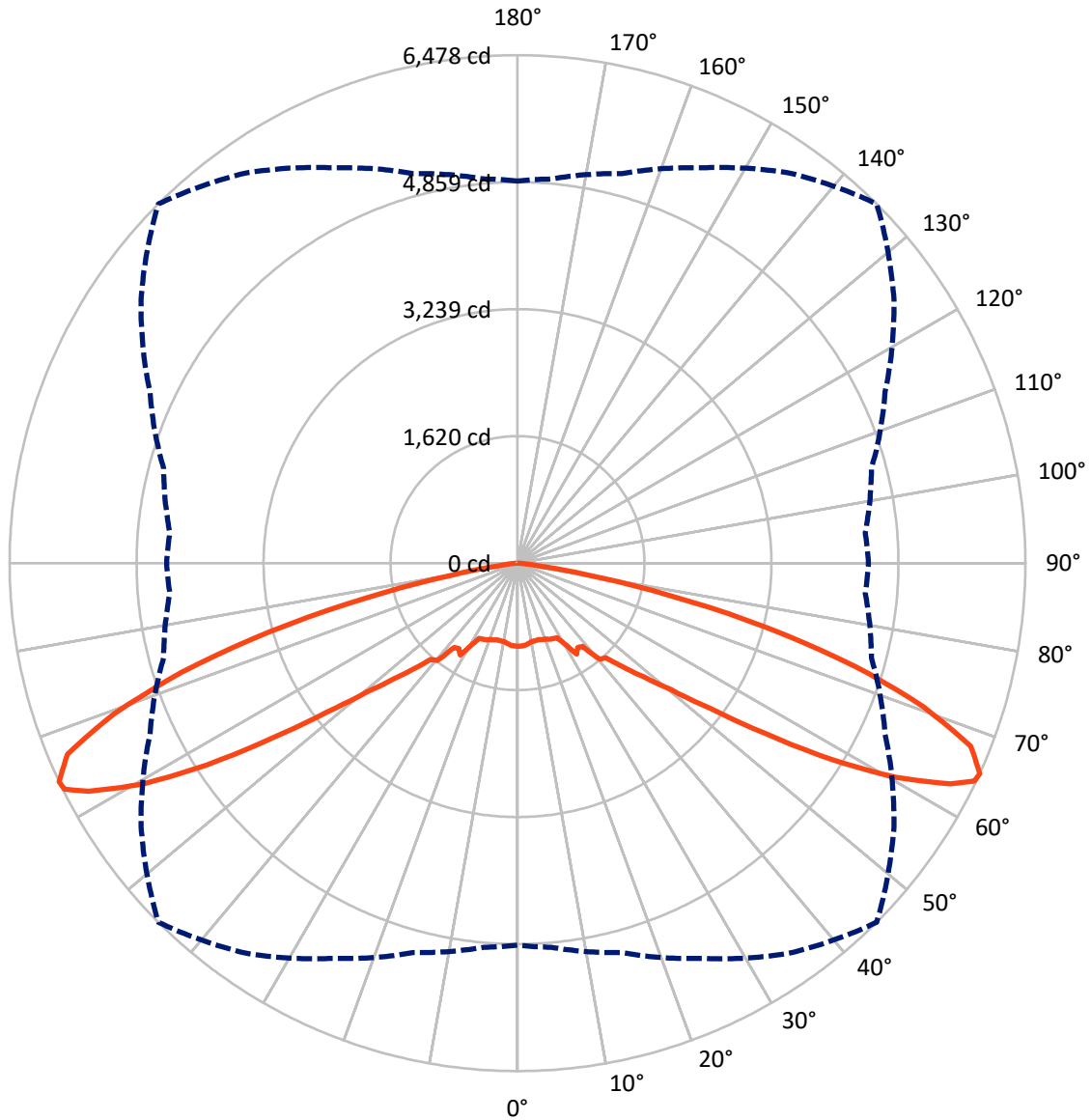
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 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	6937.5	0.0	6937.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6937.5	0.0	6937.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13874.9	0.0	13874.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	0.7
10°-20°	292.4	2.1
20°-30°	506.2	3.6
30°-40°	841.7	6.1
40°-50°	1518.5	10.9
50°-60°	3382.7	24.4
60°-70°	5041.3	36.3
70°-80°	2089.2	15.1
80°-90°	103.5	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°	13874.9	100.0
0°-180°	13874.9	100.0

Coefficient of Utilization



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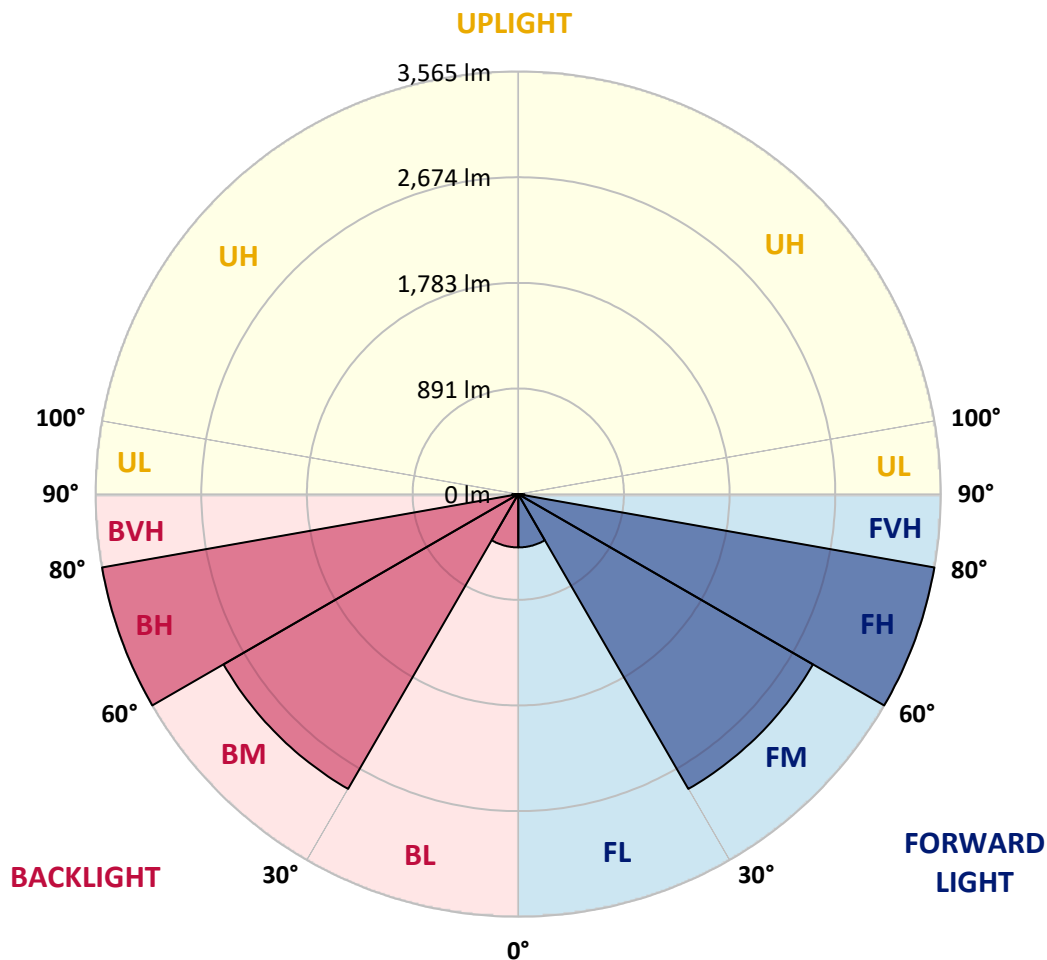
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.1	3.2			
FM (30°-60°)	2871.4	20.7			
FH (60°-80°)	3565.2	25.7			G2/5000
FVH (80°-90°)	51.7	0.4			G1/100
BL (0°-30°)	449.1	3.2	B1/500		
BM (30°-60°)	2871.4	20.7	B3/5000		
BH (60°-80°)	3565.2	25.7	B4/5000		G2/5000
BVH (80°-90°)	51.7	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°	1060.8	1060.8	1060.8	1060.8	1060.8	1060.8	1060.8	1060.8	1060.8	1060.8	1060.8
2.5°	1048.6	1051.6	1050.1	1050.1	1054.7	1057.8	1059.3	1074.6	1068.5	1073.1	1068.5
5°	1051.6	1051.6	1054.7	1051.6	1054.7	1051.6	1054.7	1050.1	1054.7	1057.8	1062.4
7.5°	1045.5	1042.4	1037.8	1037.8	1036.3	1033.2	1028.6	1040.9	1034.8	1039.4	1047.0
10°	1047.0	1042.4	1027.1	1030.2	1016.4	1016.4	1019.4	1019.4	1033.2	1048.6	1053.2
12.5°	1047.0	1037.8	1033.2	1013.3	1013.3	1014.8	1022.5	1025.6	1034.8	1040.9	1056.2
15°	1047.0	1042.4	1034.8	1008.7	1014.8	1011.8	1019.4	1019.4	1039.4	1050.1	1057.8
17.5°	1053.2	1056.2	1042.4	1017.9	1019.4	1025.6	1021.0	1025.6	1050.1	1057.8	1068.5
20°	1054.7	1042.4	1037.8	1022.5	1036.3	1033.2	1031.7	1040.9	1048.6	1062.4	1074.6
22.5°	1051.6	1056.2	1037.8	1036.3	1048.6	1054.7	1057.8	1047.0	1056.2	1065.4	1076.2
25°	1077.7	1060.8	1056.2	1053.2	1059.3	1065.4	1062.4	1071.6	1071.6	1082.3	1096.1
27.5°	1148.2	1149.7	1140.5	1103.7	1091.5	1077.7	1083.8	1108.3	1137.5	1160.5	1165.1
30°	1180.4	1186.5	1211.1	1204.9	1200.3	1204.9	1203.4	1209.5	1212.6	1214.1	1209.5
32.5°	1209.5	1206.5	1195.7	1223.3	1313.8	1382.7	1316.8	1226.4	1206.5	1200.3	1206.5
35°	1315.3	1315.3	1292.3	1257.0	1304.6	1321.4	1290.8	1247.8	1272.4	1323.0	1326.0
37.5°	1451.7	1431.8	1441.0	1436.4	1384.3	1347.5	1401.1	1428.7	1433.3	1431.8	1447.1
40°	1533.0	1519.2	1505.4	1529.9	1577.4	1611.2	1563.6	1497.7	1514.6	1548.3	1534.5
42.5°	1718.5	1683.2	1686.3	1661.8	1660.2	1649.5	1638.8	1643.4	1667.9	1706.2	1712.3
45°	1908.6	1925.4	1914.7	1868.7	1890.2	1890.2	1859.5	1882.5	1894.8	1939.2	1945.4
47.5°	2206.0	2198.3	2202.9	2161.5	2160.0	2170.7	2160.0	2161.5	2199.8	2196.8	2179.9
50°	2553.9	2575.4	2581.5	2561.6	2537.1	2532.5	2515.6	2537.1	2560.1	2561.6	2547.8
52.5°	3035.3	3058.3	3058.3	3064.4	3095.1	3079.8	3076.7	3078.2	3033.8	3003.1	3018.4
55°	3642.4	3650.0	3676.1	3729.7	3823.3	3835.5	3777.3	3751.2	3670.0	3620.9	3659.2
57.5°	4241.8	4272.4	4344.5	4484.0	4598.9	4724.6	4556.0	4384.3	4224.9	4146.7	4160.5
60°	4740.0	4784.4	4922.4	5117.1	5436.0	5550.9	5265.8	4971.5	4648.0	4408.9	4505.4
62.5°	4974.5	5043.5	5160.0	5554.0	6032.3	6197.8	5779.3	5244.3	4753.8	4523.8	4519.2
64°	4976.1	4986.8	5219.8	5644.4	6136.5	6456.9	5903.5	5244.3	4779.8	4496.2	4548.4
65°	4873.3	4917.8	5143.2	5561.7	6070.6	6478.4	5860.6	5172.3	4672.5	4451.8	4476.3
67.5°	4407.3	4405.8	4614.3	5029.7	5736.4	6234.6	5495.7	4769.1	4407.3	4168.2	4197.3
70°	3343.4	3397.1	3596.4	4106.9	4963.8	5497.3	4805.9	4053.2	3602.5	3410.9	3400.2
72.5°	2000.5	2071.1	2325.5	2947.9	3855.4	4503.9	3814.1	2998.5	2455.8	2152.3	2160.0
75°	912.1	964.2	1139.0	1646.4	2569.3	3292.8	2584.6	1733.8	1243.2	1050.1	1022.5
77.5°	256.0	288.2	384.8	755.8	1410.3	1974.5	1450.2	835.5	542.7	450.7	441.5
80°	115.0	121.1	136.4	184.0	447.6	870.7	599.4	306.6	203.9	168.6	161.0
82.5°	62.9	67.5	88.9	95.0	127.2	231.5	197.8	144.1	122.6	98.1	95.0
85°	35.3	36.8	50.6	50.6	61.3	67.5	72.1	76.6	75.1	55.2	53.7
87.5°	10.7	12.3	15.3	15.3	15.3	15.3	24.5	33.7	36.8	26.1	26.1
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)