

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: P479868

Luminaire Tested: **IFLD-S-SA2B-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479868
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

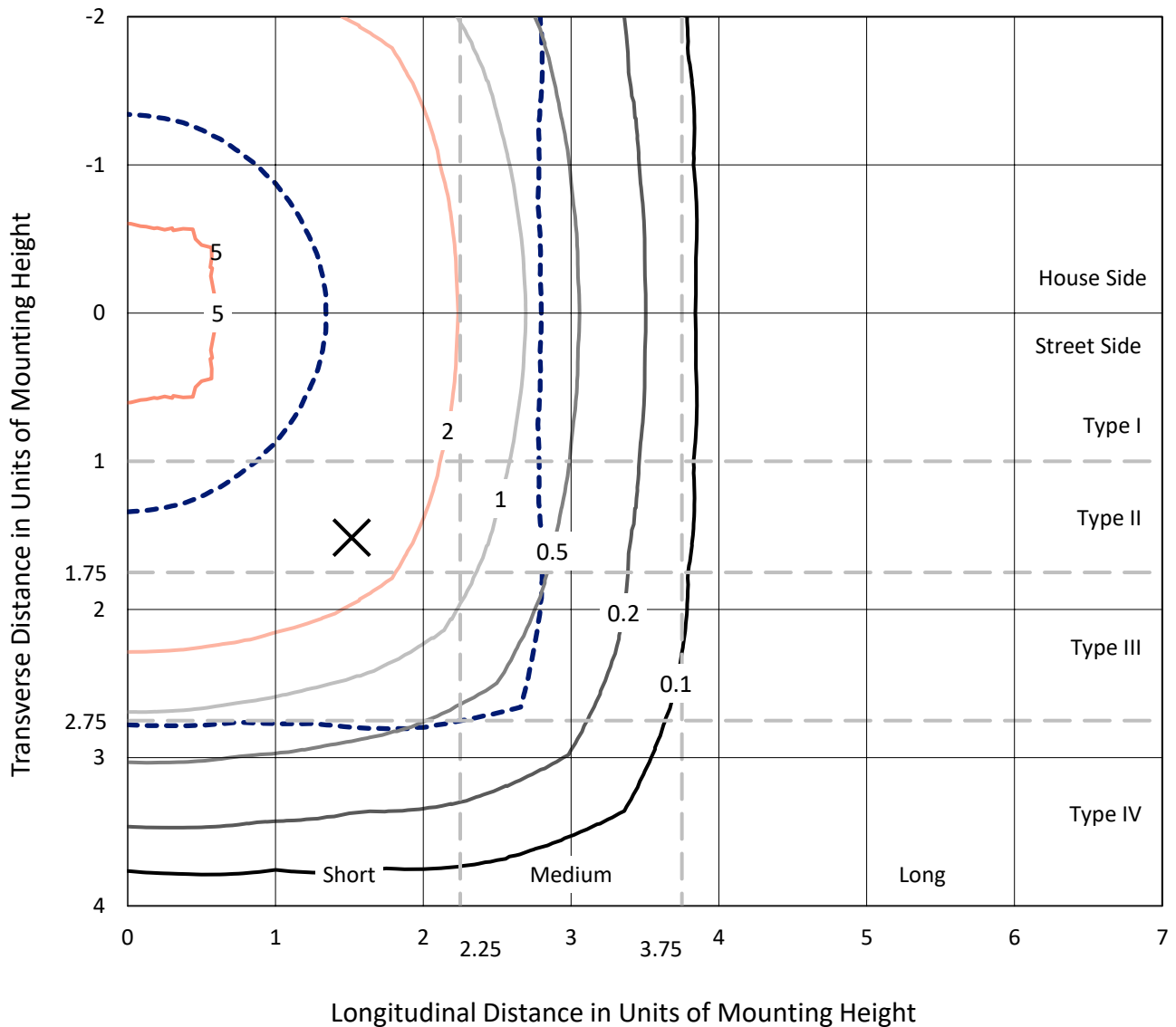
Lumens per Lamp: N/A
Luminaire Lumens: 9310.2 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 82.4
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

REPORT NUMBER: P479868
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Iso-Footcandle Lines of Horizontal Illumination

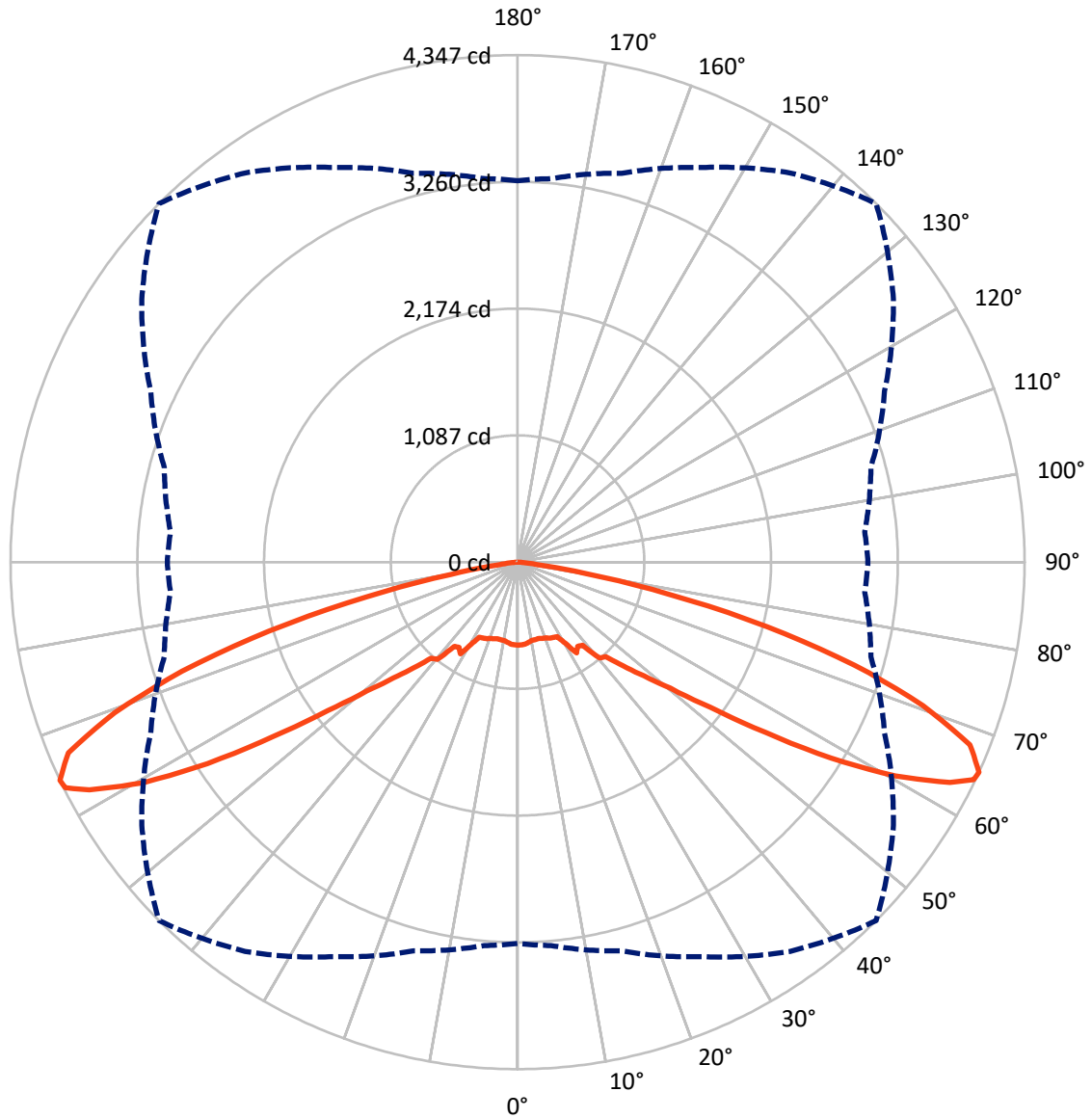
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

REPORT NUMBER: P479868
CATALOG NUMBER: IFLD-S-SA2B-830-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479868

CATALOG NUMBER: IFLD-S-SA2B-830-U-5WQ

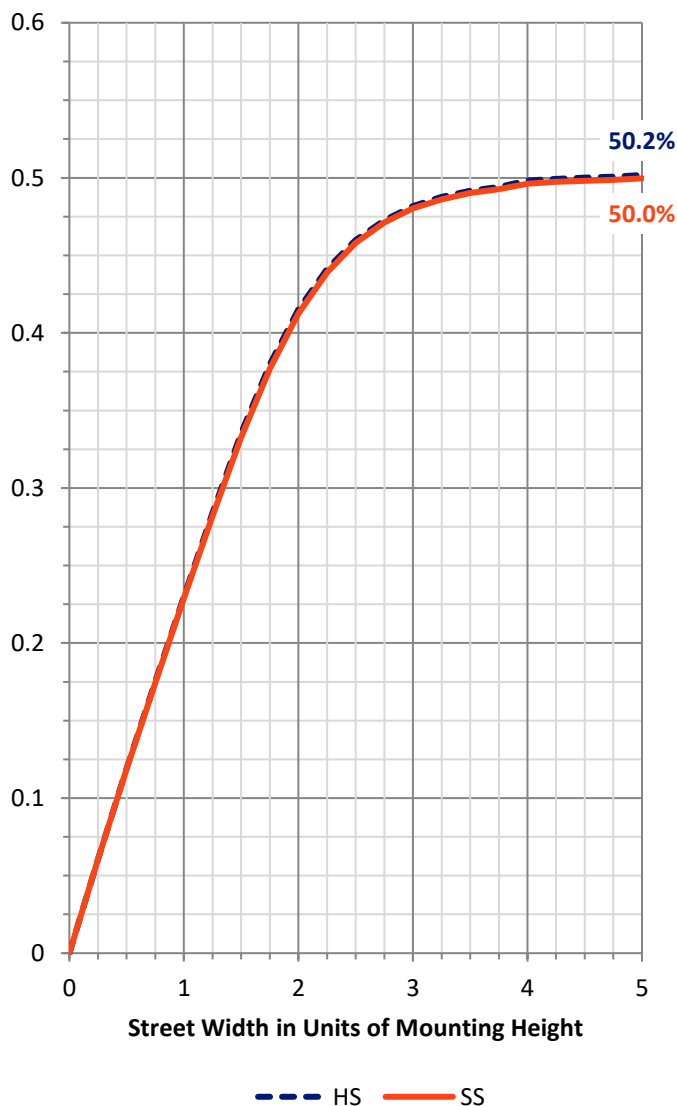
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4655.1	0.0	4655.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4655.1	0.0	4655.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9310.2	0.0	9310.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	0.7
10°-20°	196.2	2.1
20°-30°	339.6	3.6
30°-40°	564.8	6.1
40°-50°	1018.9	10.9
50°-60°	2269.8	24.4
60°-70°	3382.7	36.3
70°-80°	1401.8	15.1
80°-90°	69.4	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°	9310.2	100.0
0°-180°	9310.2	100.0

Coefficient of Utilization



REPORT NUMBER: P479868

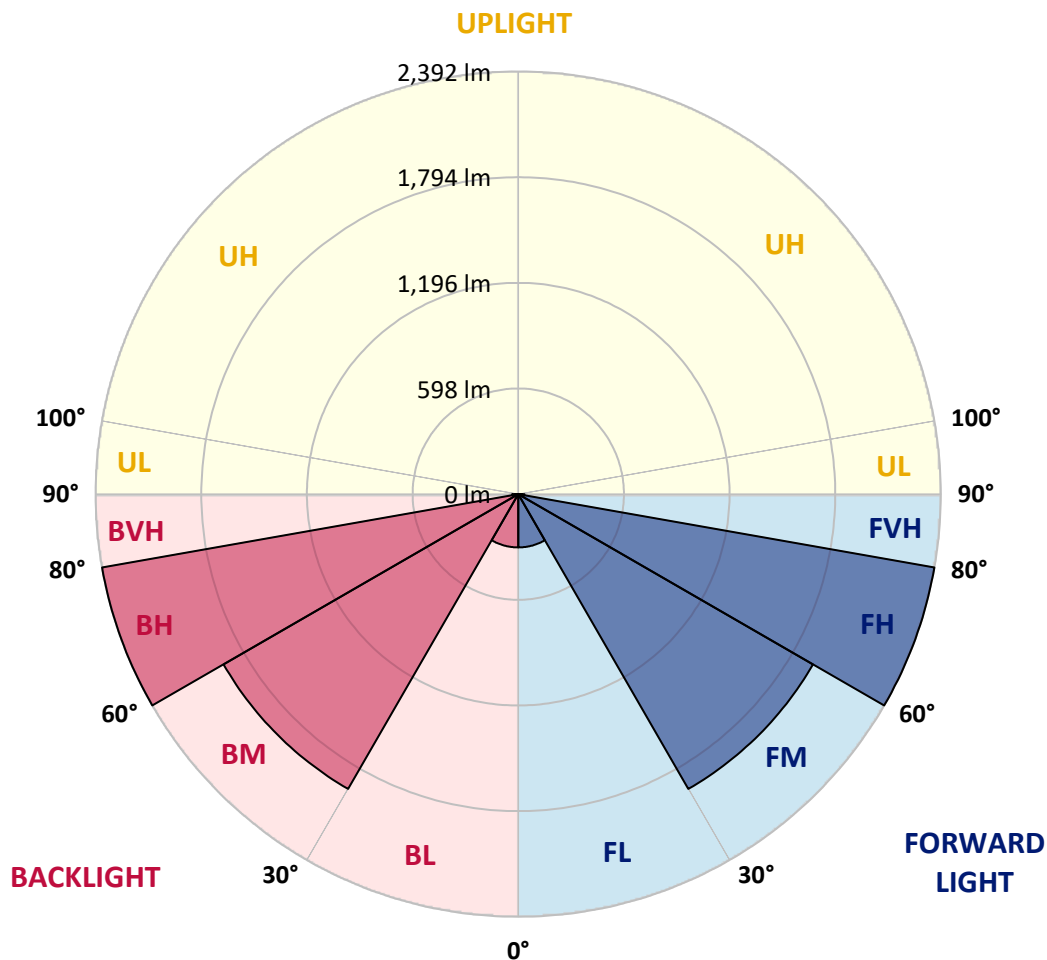
CATALOG NUMBER: IFLD-S-SA2B-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.3	3.2			
FM (30°-60°)	1926.7	20.7			
FH (60°-80°)	2392.3	25.7			G2/5000
FVH (80°-90°)	34.7	0.4			G1/100
BL (0°-30°)	301.3	3.2	B1/500		
BM (30°-60°)	1926.7	20.7	B2/2500		
BH (60°-80°)	2392.3	25.7	B3/2500		G2/5000
BVH (80°-90°)	34.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P479868
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8
2.5°	703.6	705.6	704.6	704.6	707.7	709.8	710.8	721.1	717.0	720.0	717.0
5°	705.6	705.6	707.7	705.6	707.7	705.6	707.7	704.6	707.7	709.8	712.8
7.5°	701.5	699.5	696.4	696.4	695.4	693.3	690.2	698.4	694.3	697.4	702.6
10°	702.6	699.5	689.2	691.2	682.0	682.0	684.0	684.0	693.3	703.6	706.7
12.5°	702.6	696.4	693.3	679.9	679.9	681.0	686.1	688.2	694.3	698.4	708.7
15°	702.6	699.5	694.3	676.8	681.0	678.9	684.0	684.0	697.4	704.6	709.8
17.5°	706.7	708.7	699.5	683.0	684.0	688.2	685.1	688.2	704.6	709.8	717.0
20°	707.7	699.5	696.4	686.1	695.4	693.3	692.3	698.4	703.6	712.8	721.1
22.5°	705.6	708.7	696.4	695.4	703.6	707.7	709.8	702.6	708.7	714.9	722.1
25°	723.1	711.8	708.7	706.7	710.8	714.9	712.8	719.0	719.0	726.2	735.5
27.5°	770.5	771.5	765.3	740.6	732.4	723.1	727.2	743.7	763.3	778.7	781.8
30°	792.1	796.2	812.6	808.5	805.4	808.5	807.5	811.6	813.7	814.7	811.6
32.5°	811.6	809.5	802.3	820.9	881.5	927.8	883.6	822.9	809.5	805.4	809.5
35°	882.6	882.6	867.1	843.5	875.4	886.7	866.1	837.3	853.8	887.7	889.8
37.5°	974.1	960.8	966.9	963.8	928.9	904.2	940.2	958.7	961.8	960.8	971.0
40°	1028.6	1019.4	1010.1	1026.6	1058.5	1081.1	1049.2	1005.0	1016.3	1038.9	1029.7
42.5°	1153.1	1129.4	1131.5	1115.0	1114.0	1106.8	1099.6	1102.7	1119.2	1144.9	1149.0
45°	1280.7	1292.0	1284.8	1253.9	1268.3	1268.3	1247.7	1263.2	1271.4	1301.2	1305.3
47.5°	1480.2	1475.1	1478.2	1450.4	1449.4	1456.6	1449.4	1450.4	1476.1	1474.0	1462.7
50°	1713.7	1728.1	1732.2	1718.9	1702.4	1699.3	1688.0	1702.4	1717.8	1718.9	1709.6
52.5°	2036.7	2052.1	2052.1	2056.3	2076.8	2066.5	2064.5	2065.5	2035.7	2015.1	2025.4
55°	2444.1	2449.2	2466.7	2502.7	2565.4	2573.7	2534.6	2517.1	2462.6	2429.7	2455.4
57.5°	2846.3	2866.8	2915.2	3008.8	3085.9	3170.3	3057.1	2941.9	2834.9	2782.5	2791.7
60°	3180.6	3210.4	3303.0	3433.6	3647.6	3724.7	3533.4	3335.9	3118.8	2958.4	3023.2
62.5°	3337.9	3384.2	3462.4	3726.8	4047.7	4158.8	3878.0	3519.0	3189.8	3035.5	3032.4
64°	3339.0	3346.2	3502.5	3787.5	4117.7	4332.6	3961.3	3519.0	3207.3	3017.0	3052.0
65°	3270.1	3299.9	3451.1	3731.9	4073.4	4347.0	3932.5	3470.6	3135.3	2987.2	3003.6
67.5°	2957.3	2956.3	3096.2	3375.0	3849.2	4183.5	3687.7	3200.1	2957.3	2796.9	2816.4
70°	2243.5	2279.5	2413.2	2755.7	3330.7	3688.7	3224.8	2719.7	2417.3	2288.7	2281.5
72.5°	1342.4	1389.7	1560.4	1978.1	2587.0	3022.1	2559.3	2012.0	1647.9	1444.2	1449.4
75°	612.0	647.0	764.3	1104.8	1724.0	2209.5	1734.3	1163.4	834.2	704.6	686.1
77.5°	171.8	193.4	258.2	507.1	946.4	1324.9	973.1	560.6	364.1	302.4	296.2
80°	77.1	81.3	91.5	123.4	300.4	584.3	402.2	205.7	136.8	113.2	108.0
82.5°	42.2	45.3	59.7	63.8	85.4	155.3	132.7	96.7	82.3	65.8	63.8
85°	23.7	24.7	33.9	33.9	41.1	45.3	48.3	51.4	50.4	37.0	36.0
87.5°	7.2	8.2	10.3	10.3	10.3	10.3	16.5	22.6	24.7	17.5	17.5
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)