

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: P479869

Luminaire Tested: **IFLD-S-SA2C-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479869
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-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

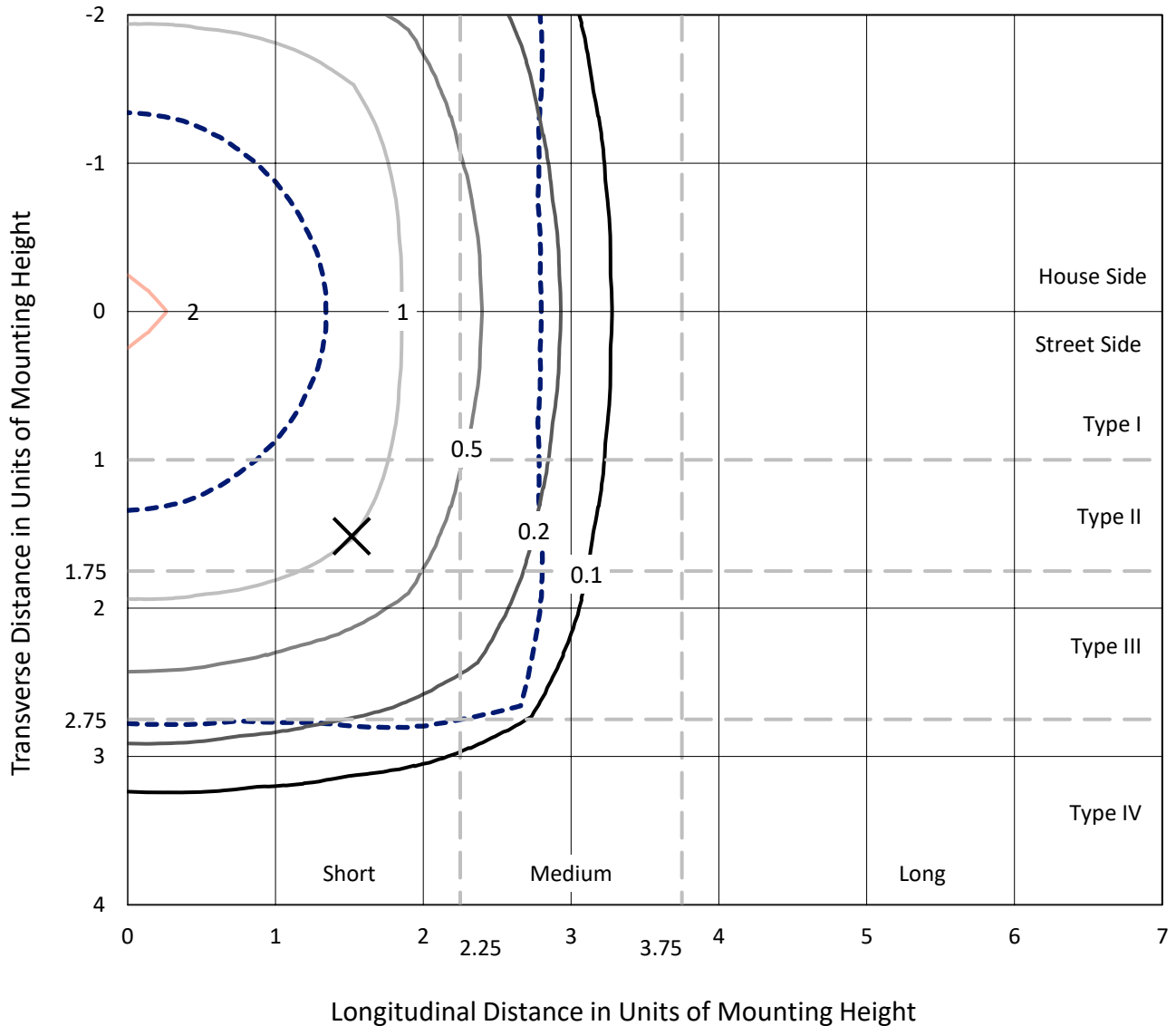
Lumens per Lamp: N/A
Luminaire Lumens: 11589.8 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 108.2
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

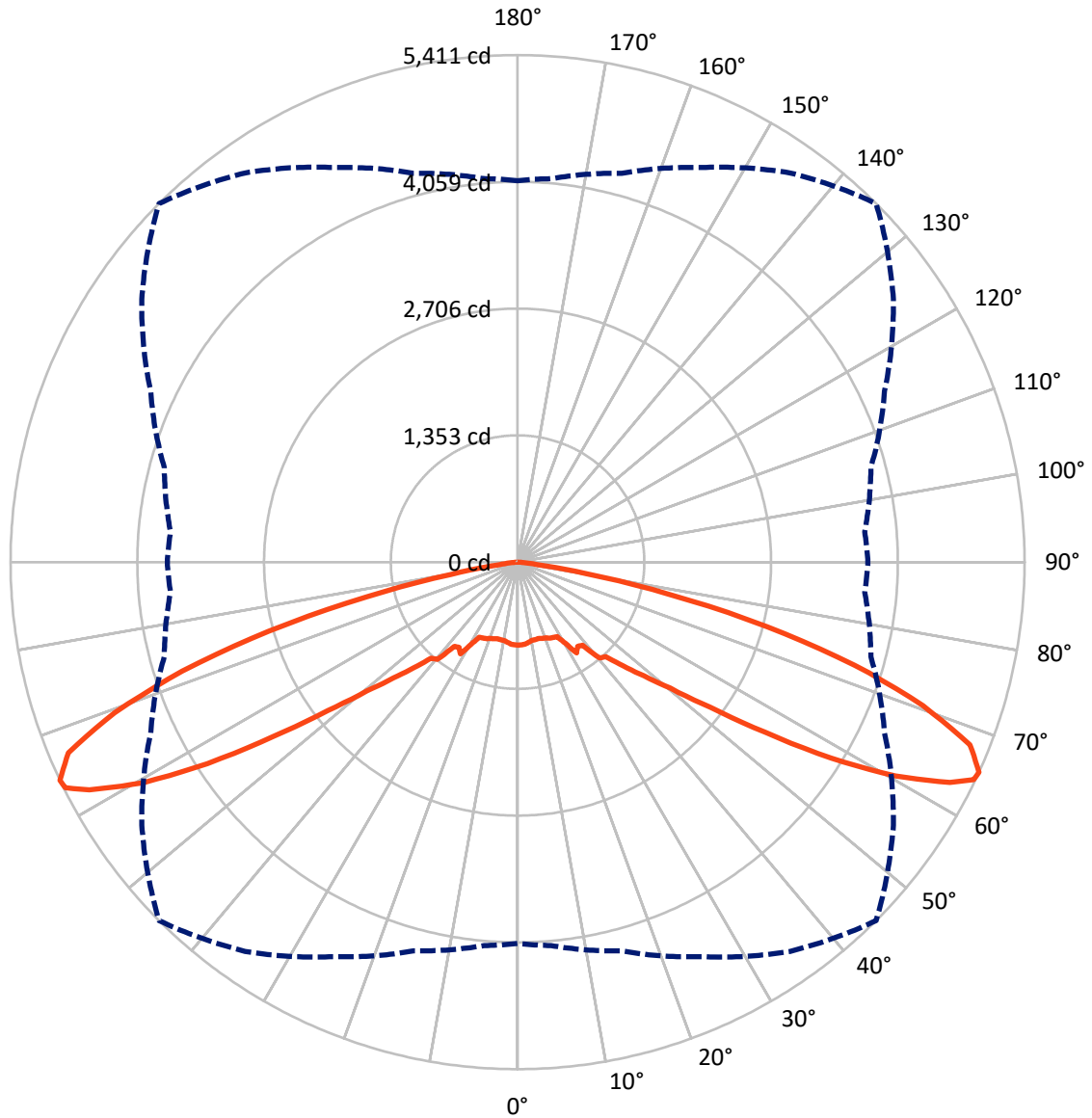
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.2 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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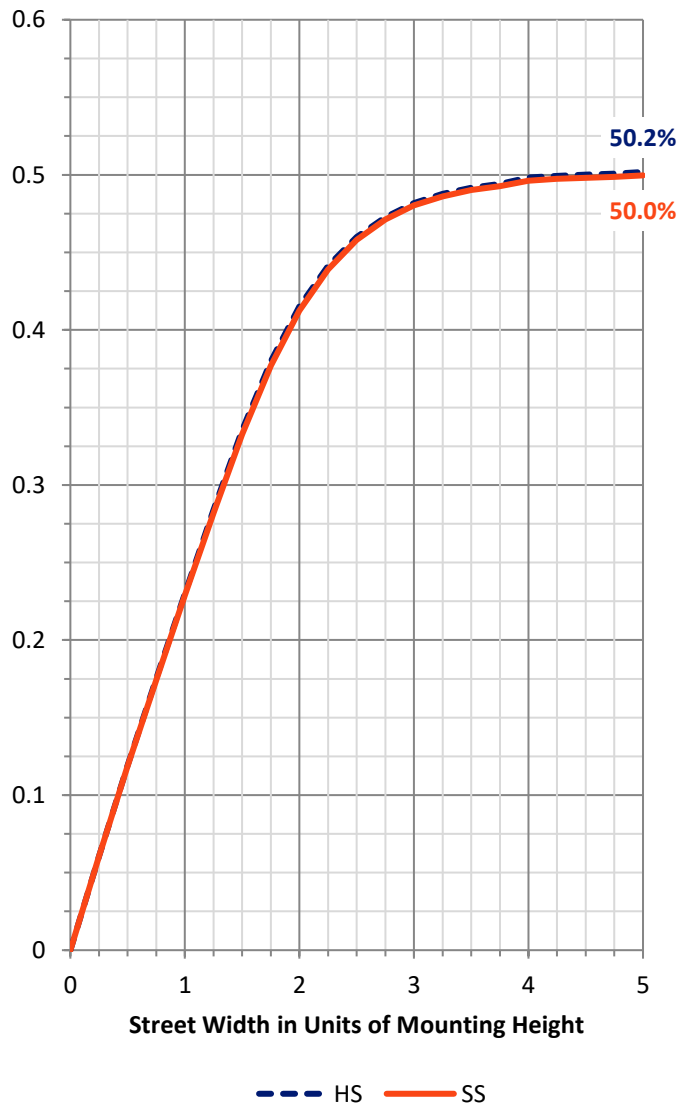
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5794.9	0.0	5794.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5794.9	0.0	5794.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11589.8	0.0	11589.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	0.7
10°-20°	244.3	2.1
20°-30°	422.8	3.6
30°-40°	703.0	6.1
40°-50°	1268.4	10.9
50°-60°	2825.6	24.4
60°-70°	4211.0	36.3
70°-80°	1745.1	15.1
80°-90°	86.4	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°	11589.8	100.0
0°-180°	11589.8	100.0

Coefficient of Utilization



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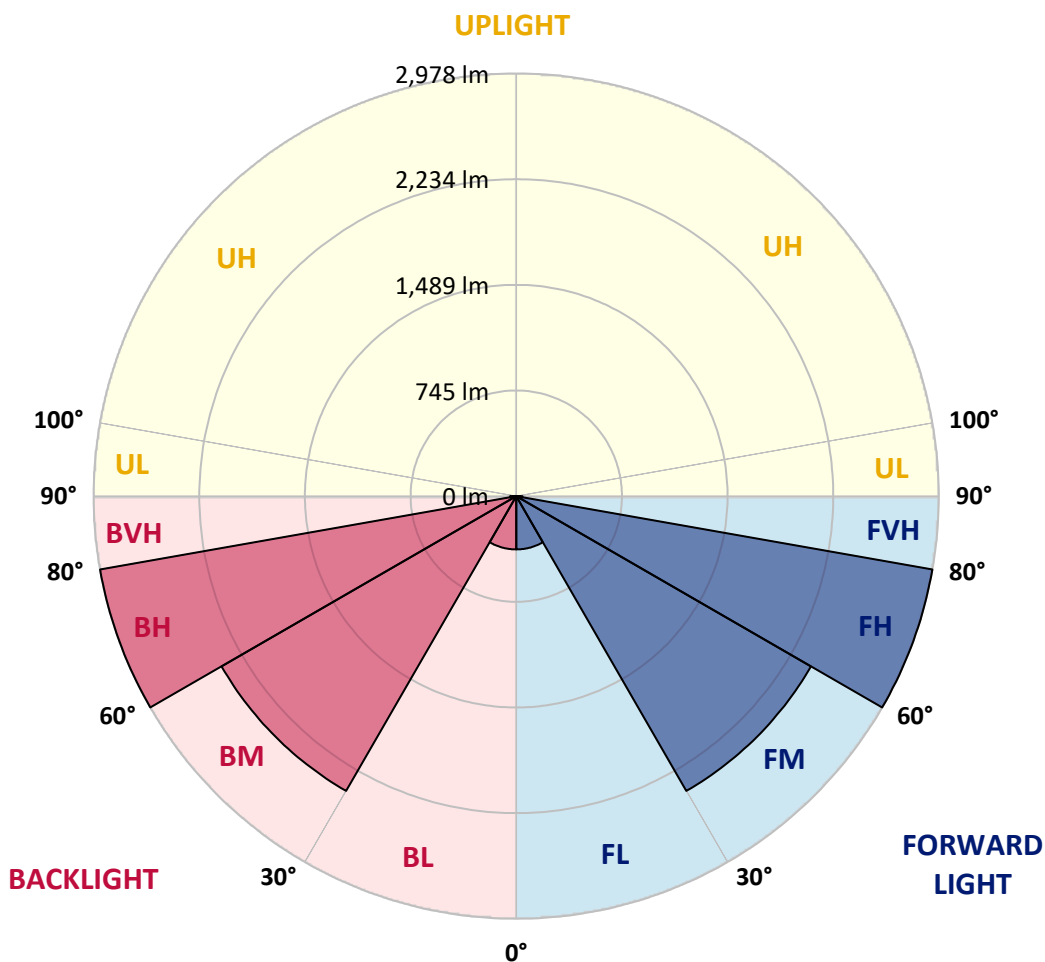
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.1	3.2			
FM (30°-60°)	2398.5	20.7			
FH (60°-80°)	2978.1	25.7			G2/5000
FVH (80°-90°)	43.2	0.4			G1/100
BL (0°-30°)	375.1	3.2	B1/500		
BM (30°-60°)	2398.5	20.7	B2/2500		
BH (60°-80°)	2978.1	25.7	B4/5000		G2/5000
BVH (80°-90°)	43.2	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°	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1
2.5°	875.9	878.4	877.1	877.1	881.0	883.5	884.8	897.6	892.5	896.4	892.5
5°	878.4	878.4	881.0	878.4	881.0	878.4	881.0	877.1	881.0	883.5	887.4
7.5°	873.3	870.7	866.9	866.9	865.6	863.1	859.2	869.5	864.3	868.2	874.6
10°	874.6	870.7	857.9	860.5	849.0	849.0	851.5	851.5	863.1	875.9	879.7
12.5°	874.6	866.9	863.1	846.4	846.4	847.7	854.1	856.7	864.3	869.5	882.3
15°	874.6	870.7	864.3	842.6	847.7	845.1	851.5	851.5	868.2	877.1	883.5
17.5°	879.7	882.3	870.7	850.3	851.5	856.7	852.8	856.7	877.1	883.5	892.5
20°	881.0	870.7	866.9	854.1	865.6	863.1	861.8	869.5	875.9	887.4	897.6
22.5°	878.4	882.3	866.9	865.6	875.9	881.0	883.5	874.6	882.3	890.0	898.9
25°	900.2	886.1	882.3	879.7	884.8	890.0	887.4	895.1	895.1	904.0	915.6
27.5°	959.1	960.4	952.7	922.0	911.7	900.2	905.3	925.8	950.1	969.3	973.2
30°	986.0	991.1	1011.6	1006.5	1002.6	1006.5	1005.2	1010.3	1012.9	1014.2	1010.3
32.5°	1010.3	1007.8	998.8	1021.8	1097.4	1155.0	1100.0	1024.4	1007.8	1002.6	1007.8
35°	1098.7	1098.7	1079.5	1050.0	1089.7	1103.8	1078.2	1042.3	1062.8	1105.1	1107.6
37.5°	1212.6	1196.0	1203.7	1199.8	1156.3	1125.6	1170.4	1193.4	1197.3	1196.0	1208.8
40°	1280.5	1269.0	1257.5	1277.9	1317.6	1345.8	1306.1	1251.1	1265.1	1293.3	1281.8
42.5°	1435.4	1406.0	1408.6	1388.1	1386.8	1377.8	1368.9	1372.7	1393.2	1425.2	1430.3
45°	1594.2	1608.3	1599.3	1560.9	1578.9	1578.9	1553.3	1572.5	1582.7	1619.8	1625.0
47.5°	1842.6	1836.2	1840.1	1805.5	1804.2	1813.2	1804.2	1805.5	1837.5	1835.0	1820.9
50°	2133.3	2151.2	2156.4	2139.7	2119.2	2115.4	2101.3	2119.2	2138.4	2139.7	2128.2
52.5°	2535.4	2554.6	2554.6	2559.7	2585.3	2572.5	2570.0	2571.3	2534.1	2508.5	2521.3
55°	3042.5	3048.9	3070.6	3115.5	3193.6	3203.8	3155.2	3133.4	3065.5	3024.5	3056.6
57.5°	3543.2	3568.8	3628.9	3745.5	3841.5	3946.5	3805.7	3662.2	3529.1	3463.8	3475.3
60°	3959.3	3996.5	4111.7	4274.3	4540.7	4636.7	4398.5	4152.7	3882.5	3682.7	3763.4
62.5°	4155.2	4212.9	4310.2	4639.3	5038.8	5177.1	4827.5	4380.6	3970.8	3778.8	3774.9
64°	4156.5	4165.5	4360.1	4714.8	5125.9	5393.5	4931.2	4380.6	3992.6	3755.7	3799.3
65°	4070.7	4107.9	4296.1	4645.7	5070.8	5411.4	4895.4	4320.4	3903.0	3718.6	3739.1
67.5°	3681.4	3680.2	3854.3	4201.3	4791.6	5207.8	4590.6	3983.6	3681.4	3481.7	3506.0
70°	2792.8	2837.6	3004.1	3430.5	4146.3	4591.9	4014.4	3385.7	3009.2	2849.1	2840.2
72.5°	1671.1	1730.0	1942.5	2462.4	3220.5	3762.1	3185.9	2504.7	2051.4	1797.8	1804.2
75°	761.9	805.4	951.4	1375.3	2146.1	2750.5	2158.9	1448.2	1038.5	877.1	854.1
77.5°	213.8	240.7	321.4	631.3	1178.1	1649.3	1211.4	697.9	453.3	376.5	368.8
80°	96.0	101.2	114.0	153.7	373.9	727.3	500.7	256.1	170.3	140.9	134.5
82.5°	52.5	56.3	74.3	79.4	106.3	193.4	165.2	120.4	102.4	82.0	79.4
85°	29.5	30.7	42.3	42.3	51.2	56.3	60.2	64.0	62.7	46.1	44.8
87.5°	9.0	10.2	12.8	12.8	12.8	12.8	20.5	28.2	30.7	21.8	21.8
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)