

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: P479596

Luminaire Tested: **IFLD-S-SA2C-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479596
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

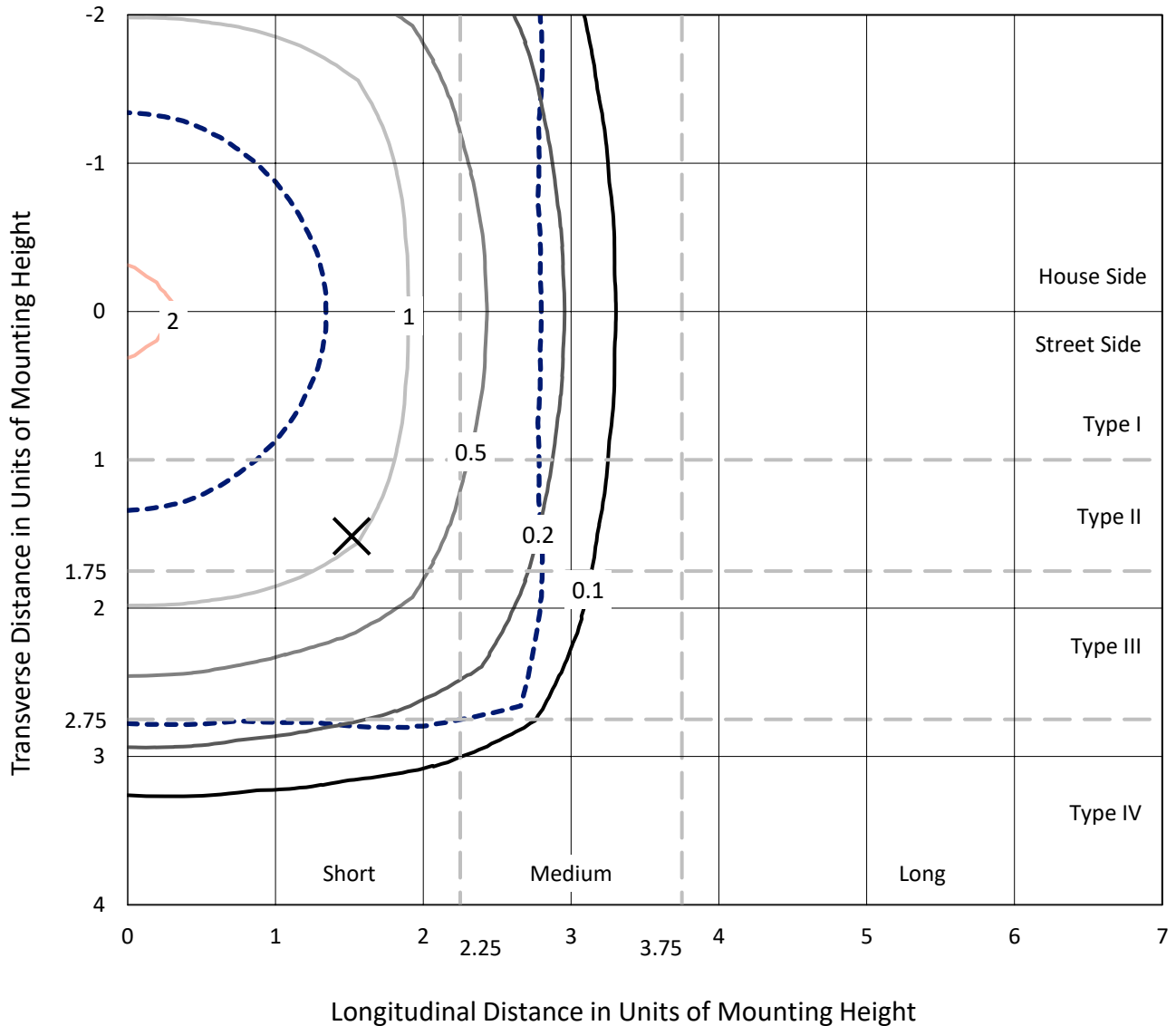
Lumens per Lamp: N/A
Luminaire Lumens: 12198 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 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

REPORT NUMBER: P479596
 CATALOG NUMBER: IFLD-S-SA2C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

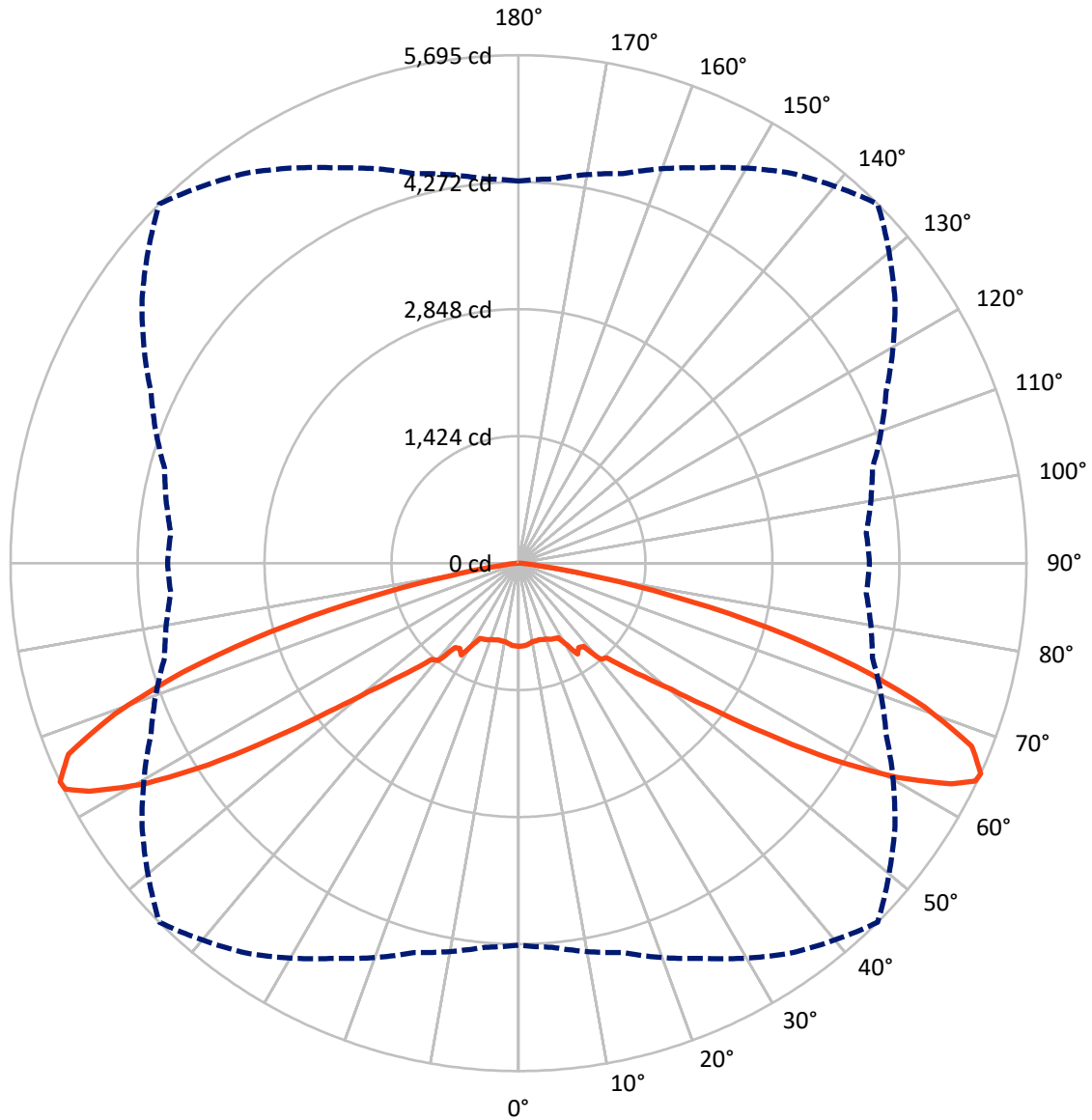
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

REPORT NUMBER: P479596
CATALOG NUMBER: IFLD-S-SA2C-727-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479596

CATALOG NUMBER: IFLD-S-SA2C-727-U-5WQ

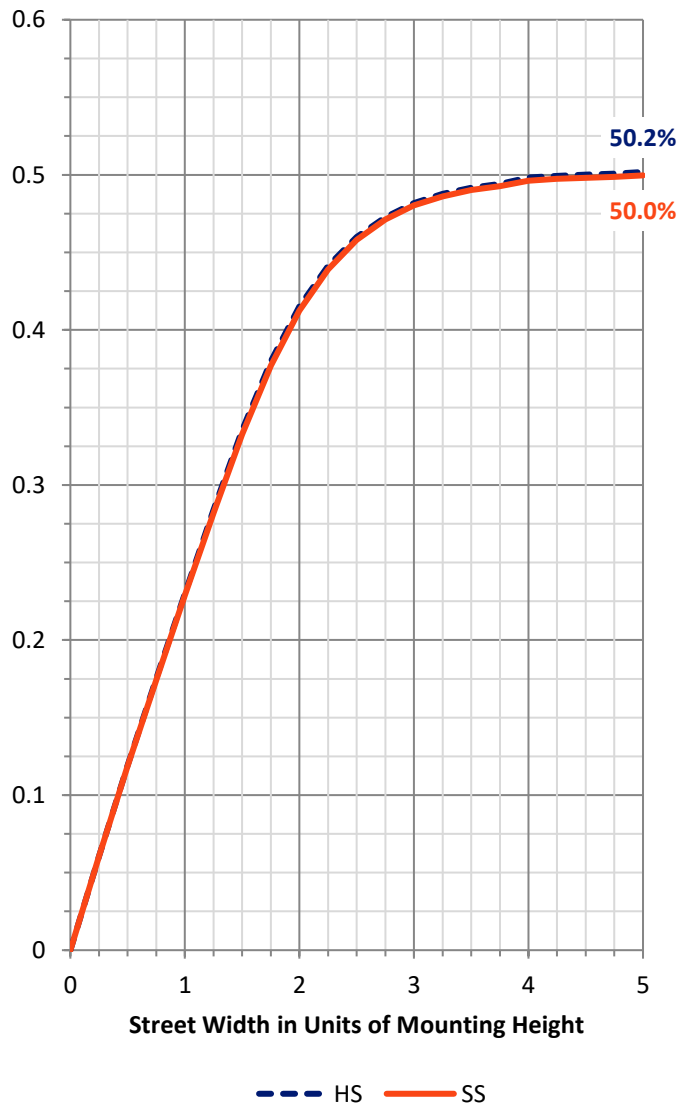
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6099.0	0.0	6099.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6099.0	0.0	6099.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12198.0	0.0	12198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	0.7
10°-20°	257.1	2.1
20°-30°	445.0	3.6
30°-40°	739.9	6.1
40°-50°	1335.0	10.9
50°-60°	2973.9	24.4
60°-70°	4432.0	36.3
70°-80°	1836.7	15.1
80°-90°	91.0	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°	12198.0	100.0
0°-180°	12198.0	100.0

Coefficient of Utilization



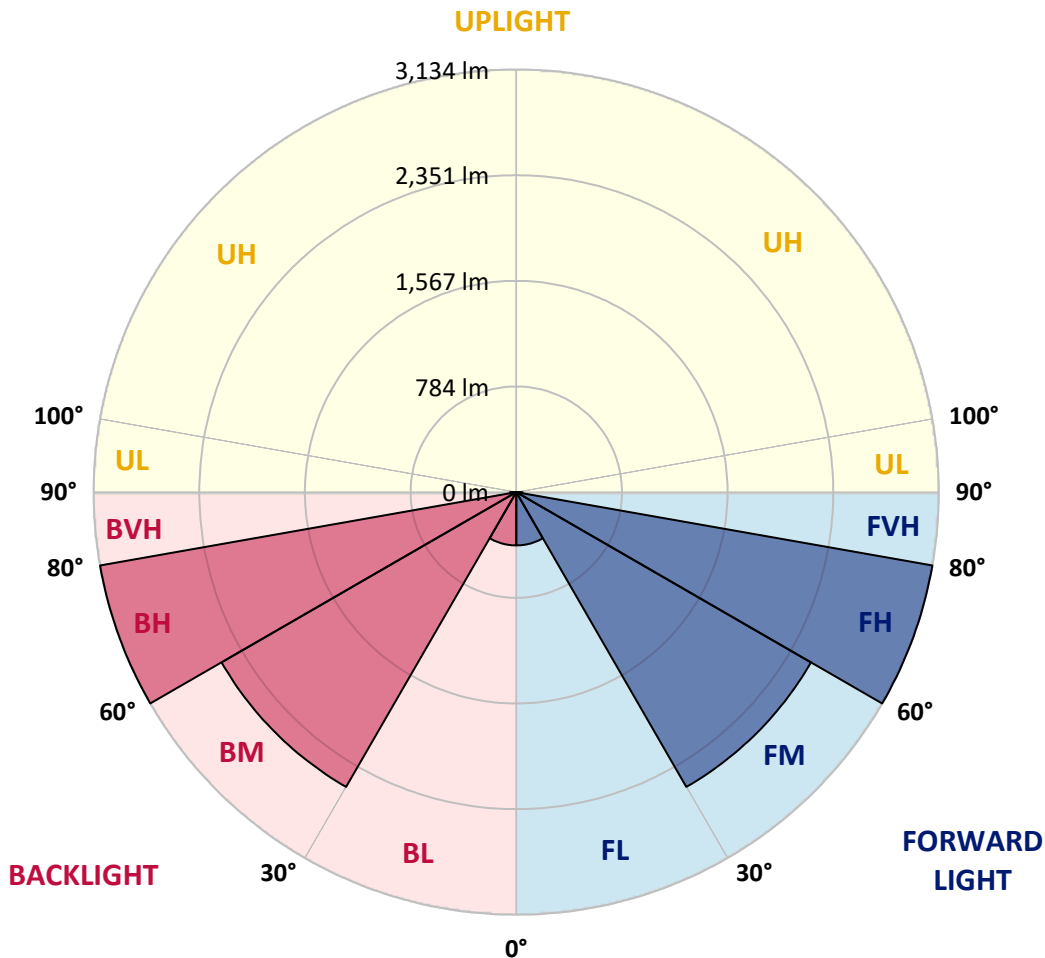
REPORT NUMBER: P479596
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.8	3.2			
FM (30°-60°)	2524.4	20.7			
FH (60°-80°)	3134.3	25.7			G2/5000
FVH (80°-90°)	45.5	0.4			G1/100
BL (0°-30°)	394.8	3.2	B1/500		
BM (30°-60°)	2524.4	20.7	B3/5000		
BH (60°-80°)	3134.3	25.7	B4/5000		G2/5000
BVH (80°-90°)	45.5	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°	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6
2.5°	921.8	924.5	923.2	923.2	927.2	929.9	931.3	944.7	939.3	943.4	939.3
5°	924.5	924.5	927.2	924.5	927.2	924.5	927.2	923.2	927.2	929.9	934.0
7.5°	919.1	916.4	912.4	912.4	911.0	908.4	904.3	915.1	909.7	913.7	920.5
10°	920.5	916.4	903.0	905.7	893.5	893.5	896.2	896.2	908.4	921.8	925.9
12.5°	920.5	912.4	908.4	890.8	890.8	892.2	898.9	901.6	909.7	915.1	928.6
15°	920.5	916.4	909.7	886.8	892.2	889.5	896.2	896.2	913.7	923.2	929.9
17.5°	925.9	928.6	916.4	894.9	896.2	901.6	897.6	901.6	923.2	929.9	939.3
20°	927.2	916.4	912.4	898.9	911.0	908.4	907.0	915.1	921.8	934.0	944.7
22.5°	924.5	928.6	912.4	911.0	921.8	927.2	929.9	920.5	928.6	936.7	946.1
25°	947.4	932.6	928.6	925.9	931.3	936.7	934.0	942.0	942.0	951.5	963.6
27.5°	1009.4	1010.8	1002.7	970.3	959.6	947.4	952.8	974.4	1000.0	1020.2	1024.3
30°	1037.7	1043.1	1064.7	1059.3	1055.3	1059.3	1057.9	1063.3	1066.0	1067.4	1063.3
32.5°	1063.3	1060.6	1051.2	1075.5	1155.0	1215.6	1157.7	1078.2	1060.6	1055.3	1060.6
35°	1156.3	1156.3	1136.1	1105.1	1146.9	1161.7	1134.8	1097.0	1118.6	1163.1	1165.8
37.5°	1276.3	1258.8	1266.8	1262.8	1217.0	1184.6	1231.8	1256.1	1260.1	1258.8	1272.2
40°	1347.7	1335.6	1323.4	1345.0	1386.8	1416.4	1374.7	1316.7	1331.5	1361.2	1349.1
42.5°	1510.8	1479.8	1482.5	1460.9	1459.6	1450.1	1440.7	1444.7	1466.3	1500.0	1505.4
45°	1677.9	1692.7	1683.3	1642.9	1661.7	1661.7	1634.8	1655.0	1665.8	1704.8	1710.2
47.5°	1939.3	1932.6	1936.7	1900.3	1898.9	1908.3	1898.9	1900.3	1934.0	1931.3	1916.4
50°	2245.3	2264.1	2269.5	2252.0	2230.4	2226.4	2211.6	2230.4	2250.7	2252.0	2239.9
52.5°	2668.5	2688.7	2688.7	2694.1	2721.0	2707.5	2704.8	2706.2	2667.1	2640.2	2653.6
55°	3202.1	3208.9	3231.8	3279.0	3361.2	3372.0	3320.7	3297.8	3226.4	3183.3	3217.0
57.5°	3729.1	3756.1	3819.4	3942.0	4043.1	4153.6	4005.4	3854.4	3714.3	3645.5	3657.7
60°	4167.1	4206.2	4327.5	4498.6	4779.0	4880.0	4629.4	4370.6	4086.2	3876.0	3960.9
62.5°	4373.3	4433.9	4536.4	4882.7	5303.2	5448.8	5080.8	4610.5	4179.2	3977.1	3973.0
64°	4374.6	4384.1	4588.9	4962.2	5394.9	5676.5	5190.0	4610.5	4202.1	3952.8	3998.6
65°	4284.3	4323.4	4521.5	4889.5	5336.9	5695.4	5152.3	4547.2	4107.8	3913.7	3935.3
67.5°	3874.6	3873.3	4056.6	4421.8	5043.1	5481.1	4831.5	4192.7	3874.6	3664.4	3690.0
70°	2939.3	2986.5	3161.7	3610.5	4363.9	4832.9	4225.1	3563.3	3167.1	2998.6	2989.2
72.5°	1758.8	1820.7	2044.5	2591.6	3389.5	3959.6	3353.1	2636.1	2159.0	1892.2	1898.9
75°	801.9	847.7	1001.3	1447.4	2258.8	2894.9	2272.2	1524.3	1093.0	923.2	898.9
77.5°	225.1	253.4	338.3	664.4	1239.9	1735.8	1274.9	734.5	477.1	396.2	388.1
80°	101.1	106.5	119.9	161.7	393.5	765.5	527.0	269.5	179.2	148.2	141.5
82.5°	55.3	59.3	78.2	83.6	111.9	203.5	173.9	126.7	107.8	86.3	83.6
85°	31.0	32.3	44.5	44.5	53.9	59.3	63.3	67.4	66.0	48.5	47.2
87.5°	9.4	10.8	13.5	13.5	13.5	13.5	21.6	29.6	32.3	22.9	22.9
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)