

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: P479557

Luminaire Tested: **IFLD-S-SA2C-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479557
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

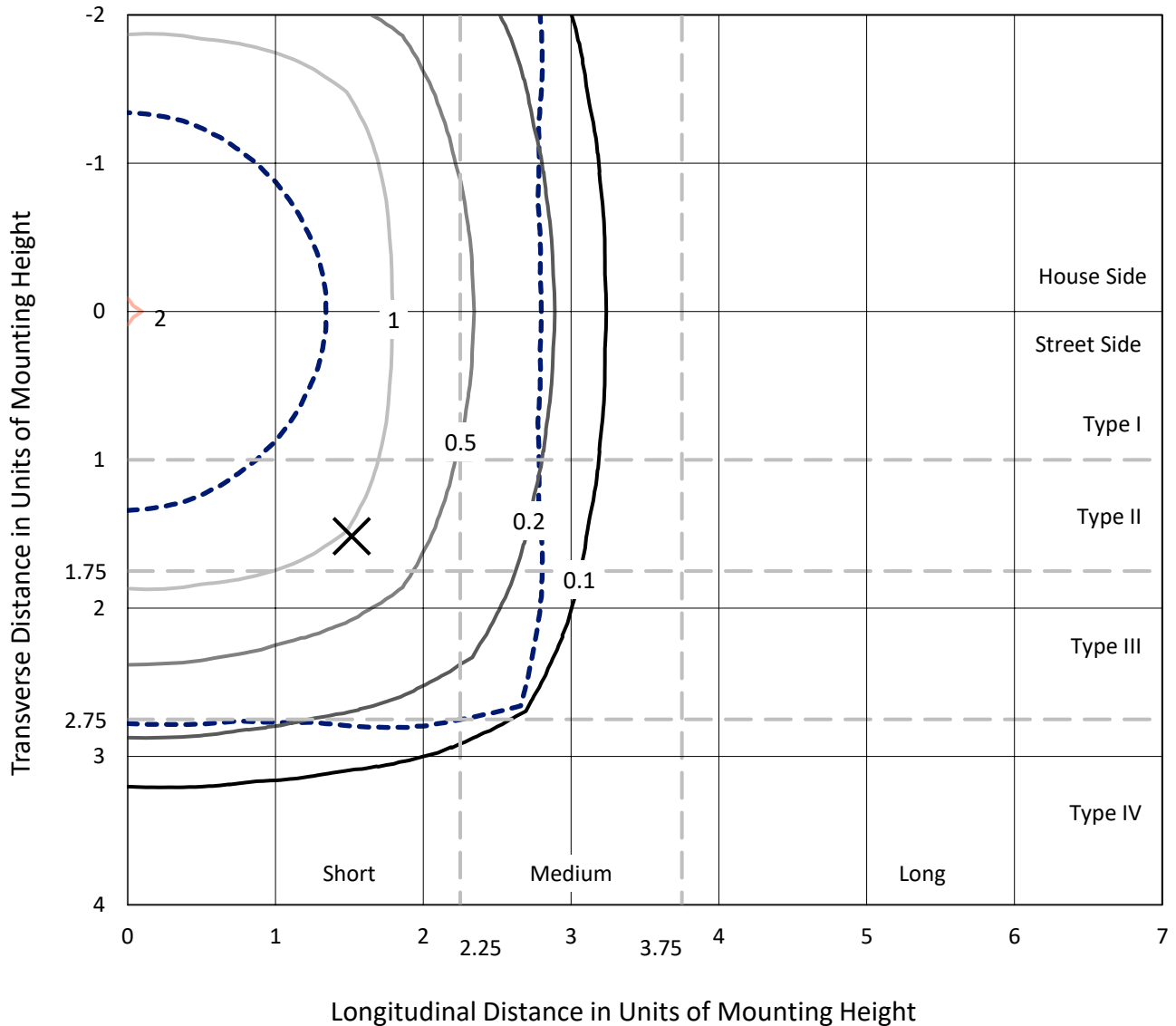
Lumens per Lamp: N/A
Luminaire Lumens: 10743.8 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

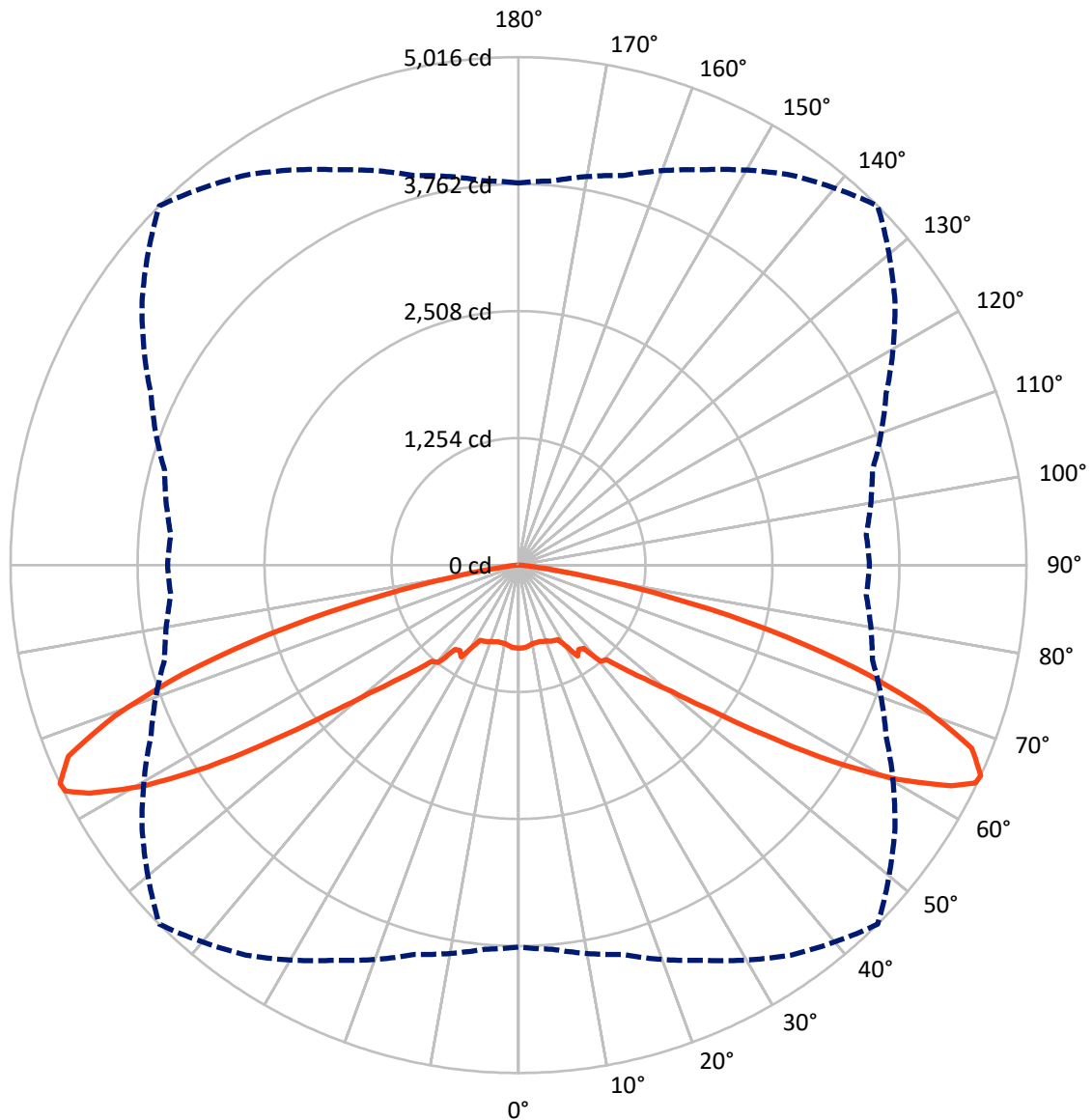
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

REPORT NUMBER: P479557
CATALOG NUMBER: IFLD-S-SA2C-722-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479557

CATALOG NUMBER: IFLD-S-SA2C-722-U-5WQ

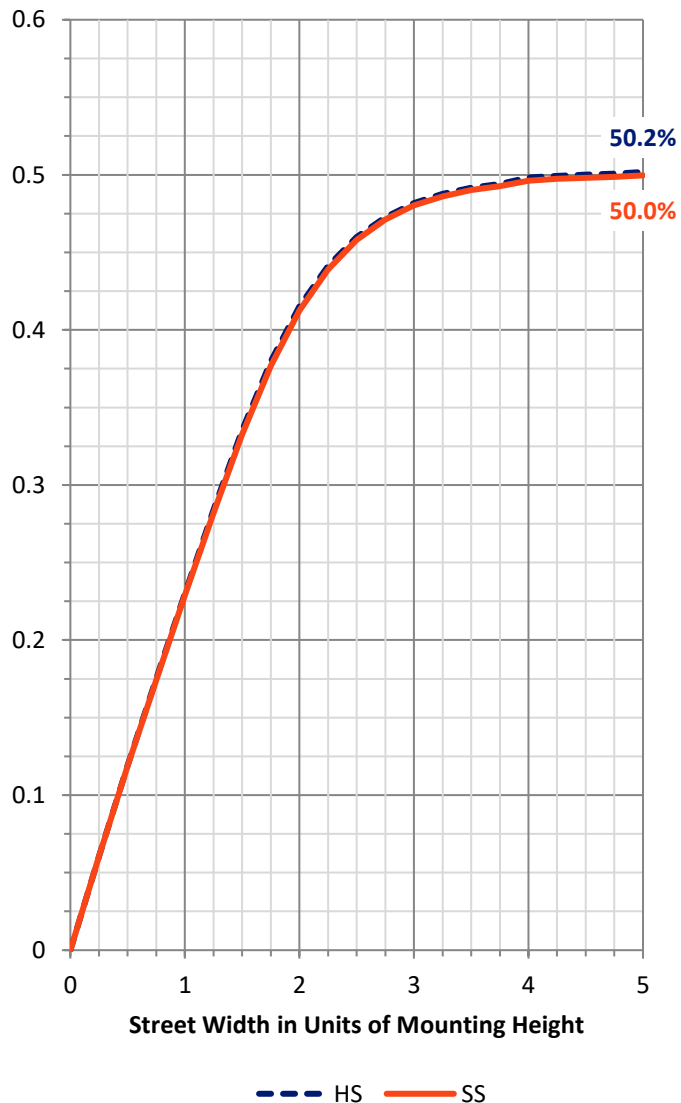
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5371.9	0.0	5371.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5371.9	0.0	5371.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10743.8	0.0	10743.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	0.7
10°-20°	226.4	2.1
20°-30°	391.9	3.6
30°-40°	651.7	6.1
40°-50°	1175.8	10.9
50°-60°	2619.3	24.4
60°-70°	3903.6	36.3
70°-80°	1617.7	15.1
80°-90°	80.1	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°	10743.8	100.0
0°-180°	10743.8	100.0

Coefficient of Utilization



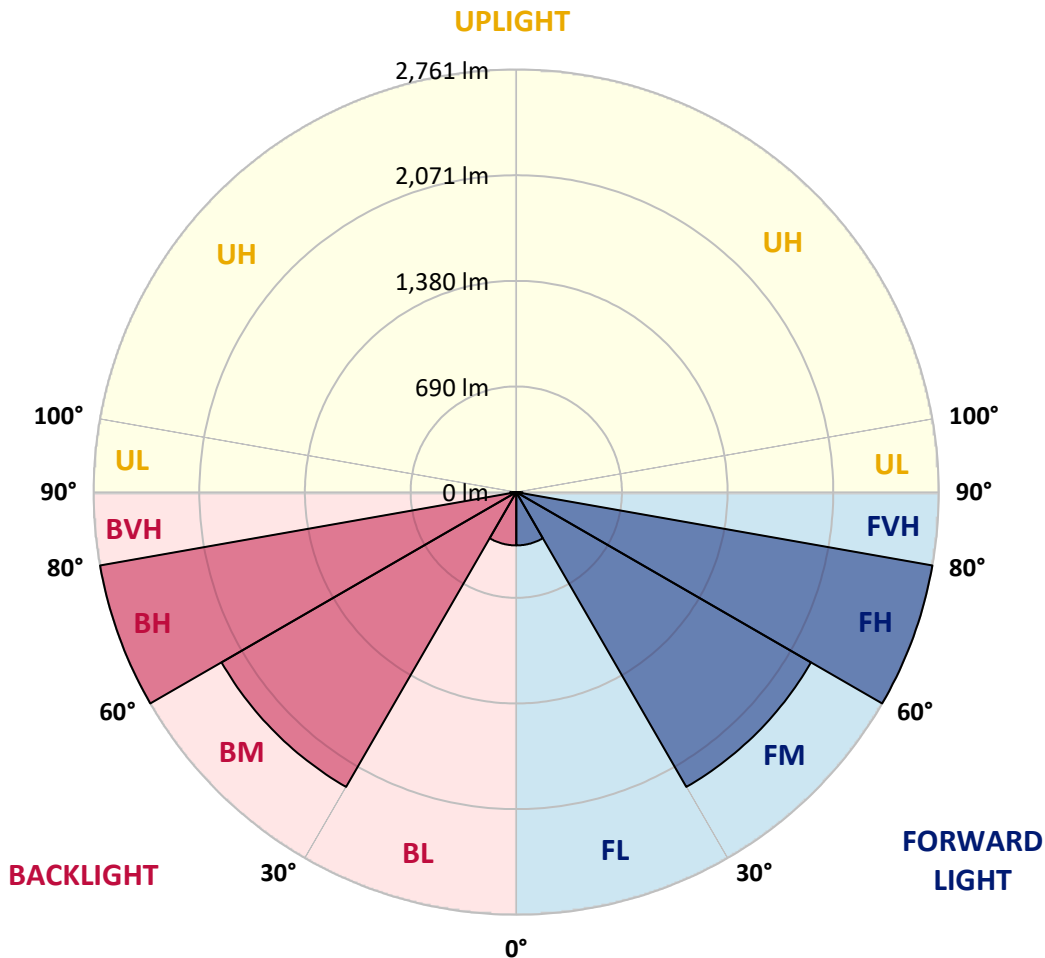
REPORT NUMBER: P479557
 CATALOG NUMBER: IFLD-S-SA2C-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.7	3.2			
FM (30°-60°)	2223.4	20.7			
FH (60°-80°)	2760.7	25.7			G2/5000
FVH (80°-90°)	40.1	0.4			G1/100
BL (0°-30°)	347.7	3.2	B1/500		
BM (30°-60°)	2223.4	20.7	B2/2500		
BH (60°-80°)	2760.7	25.7	B4/5000		G2/5000
BVH (80°-90°)	40.1	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°	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4
2.5°	811.9	814.3	813.1	813.1	816.7	819.1	820.2	832.1	827.4	830.9	827.4
5°	814.3	814.3	816.7	814.3	816.7	814.3	816.7	813.1	816.7	819.1	822.6
7.5°	809.6	807.2	803.6	803.6	802.4	800.1	796.5	806.0	801.2	804.8	810.7
10°	810.7	807.2	795.3	797.7	787.0	787.0	789.4	789.4	800.1	811.9	815.5
12.5°	810.7	803.6	800.1	784.6	784.6	785.8	791.8	794.1	801.2	806.0	817.9
15°	810.7	807.2	801.2	781.1	785.8	783.4	789.4	789.4	804.8	813.1	819.1
17.5°	815.5	817.9	807.2	788.2	789.4	794.1	790.6	794.1	813.1	819.1	827.4
20°	816.7	807.2	803.6	791.8	802.4	800.1	798.9	806.0	811.9	822.6	832.1
22.5°	814.3	817.9	803.6	802.4	811.9	816.7	819.1	810.7	817.9	825.0	833.3
25°	834.5	821.4	817.9	815.5	820.2	825.0	822.6	829.7	829.7	838.0	848.7
27.5°	889.1	890.3	883.2	854.7	845.2	834.5	839.2	858.2	880.8	898.6	902.1
30°	914.0	918.8	937.8	933.0	929.4	933.0	931.8	936.6	938.9	940.1	936.6
32.5°	936.6	934.2	925.9	947.3	1017.3	1070.7	1019.7	949.6	934.2	929.4	934.2
35°	1018.5	1018.5	1000.7	973.4	1010.2	1023.2	999.5	966.2	985.2	1024.4	1026.8
37.5°	1124.1	1108.7	1115.8	1112.3	1071.9	1043.4	1085.0	1106.3	1109.9	1108.7	1120.6
40°	1187.0	1176.4	1165.7	1184.7	1221.5	1247.6	1210.8	1159.7	1172.8	1198.9	1188.2
42.5°	1330.7	1303.4	1305.7	1286.7	1285.6	1277.3	1268.9	1272.5	1291.5	1321.2	1325.9
45°	1477.9	1490.9	1482.6	1447.0	1463.6	1463.6	1439.9	1457.7	1467.2	1501.6	1506.3
47.5°	1708.1	1702.2	1705.8	1673.7	1672.5	1680.8	1672.5	1673.7	1703.4	1701.0	1688.0
50°	1977.6	1994.2	1999.0	1983.5	1964.5	1961.0	1947.9	1964.5	1982.4	1983.5	1972.9
52.5°	2350.3	2368.1	2368.1	2372.9	2396.6	2384.8	2382.4	2383.6	2349.1	2325.4	2337.3
55°	2820.4	2826.3	2846.5	2888.1	2960.5	2970.0	2924.9	2904.7	2841.8	2803.8	2833.5
57.5°	3284.5	3308.3	3364.1	3472.1	3561.1	3658.4	3527.9	3394.9	3271.5	3210.9	3221.6
60°	3670.3	3704.7	3811.6	3962.3	4209.2	4298.3	4077.5	3849.6	3599.1	3413.9	3488.7
62.5°	3851.9	3905.3	3995.6	4300.6	4671.0	4799.2	4475.1	4060.9	3681.0	3502.9	3499.4
64°	3853.1	3861.4	4041.9	4370.7	4751.7	4999.8	4571.3	4060.9	3701.2	3481.6	3521.9
65°	3773.6	3808.0	3982.5	4306.6	4700.7	5016.4	4538.0	4005.1	3618.1	3447.2	3466.1
67.5°	3412.7	3411.5	3573.0	3894.7	4441.9	4827.7	4255.5	3692.9	3412.7	3227.6	3250.1
70°	2588.9	2630.5	2784.8	3180.1	3843.6	4256.7	3721.4	3138.5	2789.5	2641.2	2632.8
72.5°	1549.1	1603.7	1800.7	2282.7	2985.4	3487.5	2953.3	2321.8	1901.6	1666.6	1672.5
75°	706.3	746.6	882.0	1274.9	1989.5	2549.8	2001.3	1342.5	962.7	813.1	791.8
77.5°	198.2	223.2	297.9	585.2	1092.1	1528.9	1122.9	646.9	420.2	349.0	341.9
80°	89.0	93.8	105.6	142.4	346.6	674.2	464.1	237.4	157.9	130.6	124.6
82.5°	48.7	52.2	68.8	73.6	98.5	179.2	153.1	111.6	95.0	76.0	73.6
85°	27.3	28.5	39.2	39.2	47.5	52.2	55.8	59.4	58.2	42.7	41.5
87.5°	8.3	9.5	11.9	11.9	11.9	11.9	19.0	26.1	28.5	20.2	20.2
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)