

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: P479555

Luminaire Tested: **IFLD-S-SA2A-722-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479555  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-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**

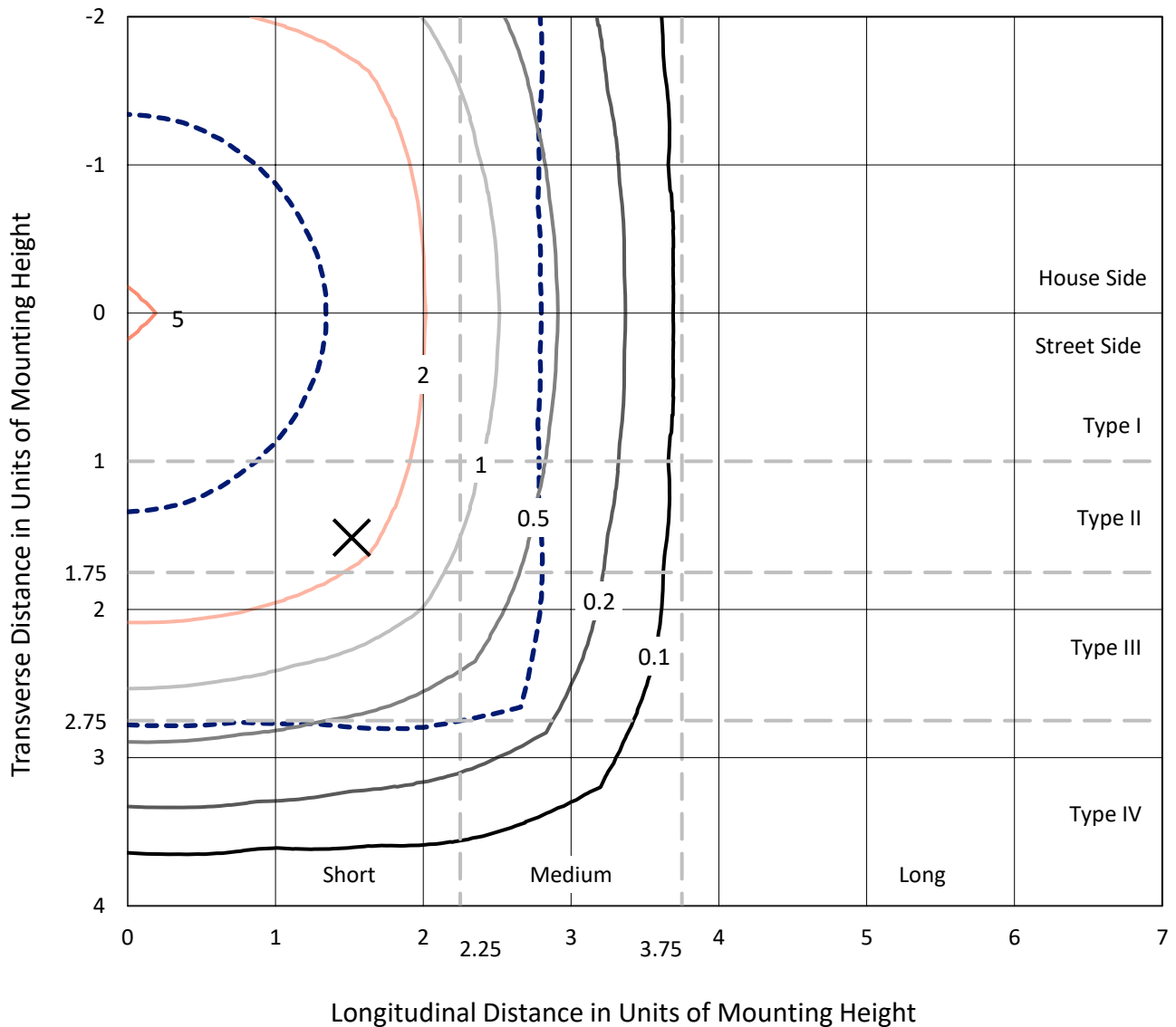
Lumens per Lamp: N/A  
Luminaire Lumens: 6978.6 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.8  
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: P479555  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

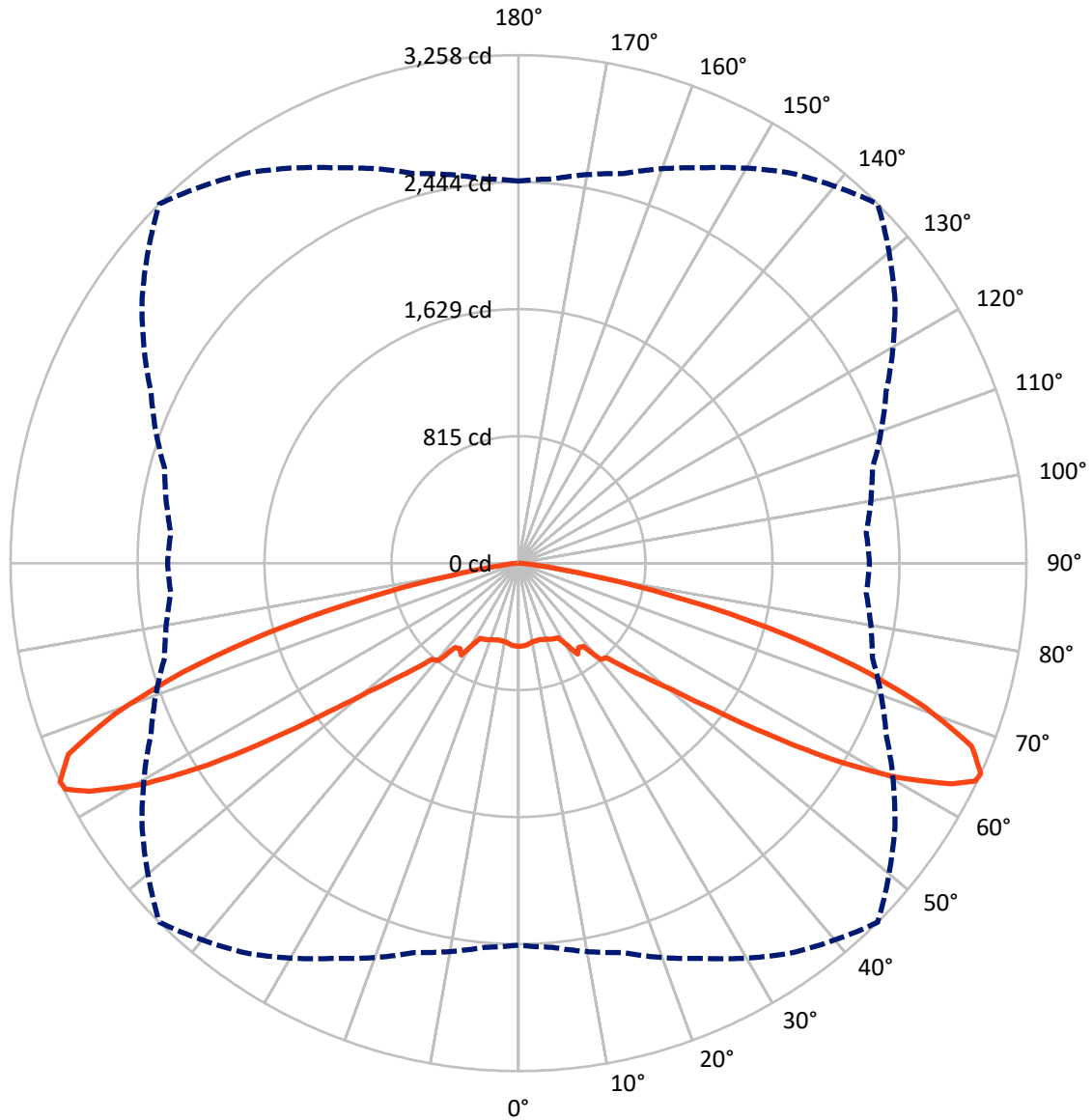
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P479555  
CATALOG NUMBER: IFLD-S-SA2A-722-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479555

CATALOG NUMBER: IFLD-S-SA2A-722-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3489.3	0.0	3489.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3489.3	0.0	3489.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6978.6	0.0	6978.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.1	0.7
10°-20°	147.1	2.1
20°-30°	254.6	3.6
30°-40°	423.3	6.1
40°-50°	763.7	10.9
50°-60°	1701.4	24.4
60°-70°	2535.6	36.3
70°-80°	1050.8	15.1
80°-90°	52.0	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°	6978.6	100.0
0°-180°	6978.6	100.0

**Coefficient of Utilization**



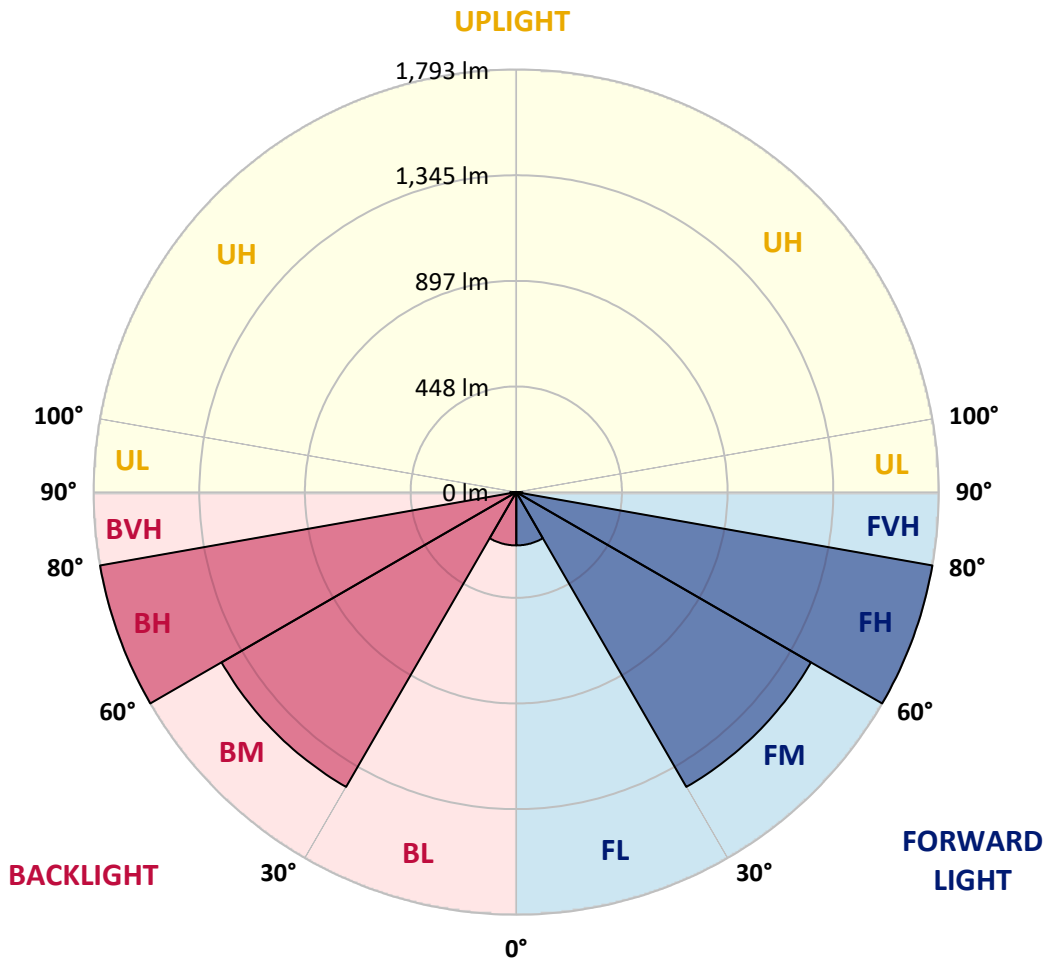
REPORT NUMBER: P479555  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.9	3.2			
FM (30°-60°)	1444.2	20.7			
FH (60°-80°)	1793.2	25.7			G1/1800
FVH (80°-90°)	26.0	0.4			G1/100
BL (0°-30°)	225.9	3.2	B1/500		
BM (30°-60°)	1444.2	20.7	B2/2500		
BH (60°-80°)	1793.2	25.7	B3/2500		G1/1800
BVH (80°-90°)	26.0	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-G1**

Type V Short





REPORT NUMBER: P479555  
 CATALOG NUMBER: IFLD-S-SA2A-722-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6
2.5°	527.4	528.9	528.2	528.2	530.5	532.0	532.8	540.5	537.4	539.7	537.4
5°	528.9	528.9	530.5	528.9	530.5	528.9	530.5	528.2	530.5	532.0	534.3
7.5°	525.8	524.3	522.0	522.0	521.2	519.7	517.4	523.5	520.4	522.8	526.6
10°	526.6	524.3	516.6	518.1	511.2	511.2	512.7	512.7	519.7	527.4	529.7
12.5°	526.6	522.0	519.7	509.7	509.7	510.4	514.3	515.8	520.4	523.5	531.2
15°	526.6	524.3	520.4	507.3	510.4	508.9	512.7	512.7	522.8	528.2	532.0
17.5°	529.7	531.2	524.3	512.0	512.7	515.8	513.5	515.8	528.2	532.0	537.4
20°	530.5	524.3	522.0	514.3	521.2	519.7	518.9	523.5	527.4	534.3	540.5
22.5°	528.9	531.2	522.0	521.2	527.4	530.5	532.0	526.6	531.2	535.9	541.3
25°	542.0	533.6	531.2	529.7	532.8	535.9	534.3	539.0	539.0	544.3	551.3
27.5°	577.5	578.3	573.6	555.1	549.0	542.0	545.1	557.5	572.1	583.7	586.0
30°	593.7	596.8	609.1	606.0	603.7	606.0	605.3	608.3	609.9	610.7	608.3
32.5°	608.3	606.8	601.4	615.3	660.8	695.5	662.3	616.8	606.8	603.7	606.8
35°	661.5	661.5	650.0	632.2	656.1	664.6	649.2	627.6	640.0	665.4	666.9
37.5°	730.2	720.1	724.8	722.5	696.2	677.7	704.7	718.6	720.9	720.1	727.9
40°	771.0	764.1	757.2	769.5	793.4	810.4	786.5	753.3	761.8	778.7	771.8
42.5°	864.3	846.6	848.1	835.8	835.0	829.6	824.2	826.5	838.9	858.2	861.2
45°	959.9	968.4	963.0	939.9	950.7	950.7	935.3	946.8	953.0	975.4	978.4
47.5°	1109.5	1105.7	1108.0	1087.2	1086.4	1091.8	1086.4	1087.2	1106.4	1104.9	1096.4
50°	1284.5	1295.3	1298.4	1288.4	1276.1	1273.7	1265.3	1276.1	1287.6	1288.4	1281.5
52.5°	1526.6	1538.2	1538.2	1541.3	1556.7	1549.0	1547.5	1548.2	1525.9	1510.5	1518.2
55°	1832.0	1835.8	1848.9	1875.9	1923.0	1929.1	1899.8	1886.7	1845.8	1821.2	1840.5
57.5°	2133.4	2148.9	2185.1	2255.3	2313.1	2376.3	2291.5	2205.2	2125.0	2085.6	2092.6
60°	2384.0	2406.4	2475.8	2573.7	2734.1	2791.9	2648.5	2500.5	2337.8	2217.5	2266.1
62.5°	2502.0	2536.7	2595.3	2793.4	3034.0	3117.3	2906.8	2637.7	2391.0	2275.3	2273.0
64°	2502.8	2508.2	2625.4	2838.9	3086.4	3247.6	2969.2	2637.7	2404.1	2261.4	2287.7
65°	2451.1	2473.5	2586.8	2797.3	3053.3	3258.4	2947.7	2601.5	2350.1	2239.1	2251.4
67.5°	2216.7	2215.9	2320.8	2529.8	2885.2	3135.8	2764.1	2398.7	2216.7	2096.4	2111.1
70°	1681.6	1708.6	1808.8	2065.6	2496.6	2764.9	2417.2	2038.6	1811.9	1715.5	1710.1
72.5°	1006.2	1041.7	1169.7	1482.7	1939.1	2265.3	1918.3	1508.1	1235.2	1082.5	1086.4
75°	458.8	485.0	572.9	828.1	1292.2	1656.2	1300.0	872.0	625.3	528.2	514.3
77.5°	128.8	145.0	193.5	380.1	709.3	993.1	729.4	420.2	272.9	226.7	222.1
80°	57.8	60.9	68.6	92.5	225.1	437.9	301.5	154.2	102.5	84.8	81.0
82.5°	31.6	33.9	44.7	47.8	64.0	116.4	99.5	72.5	61.7	49.3	47.8
85°	17.7	18.5	25.4	25.4	30.8	33.9	36.2	38.6	37.8	27.8	27.0
87.5°	5.4	6.2	7.7	7.7	7.7	7.7	12.3	17.0	18.5	13.1	13.1
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)