

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: P479558

Luminaire Tested: **IFLD-S-SA2D-722-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479558  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-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**

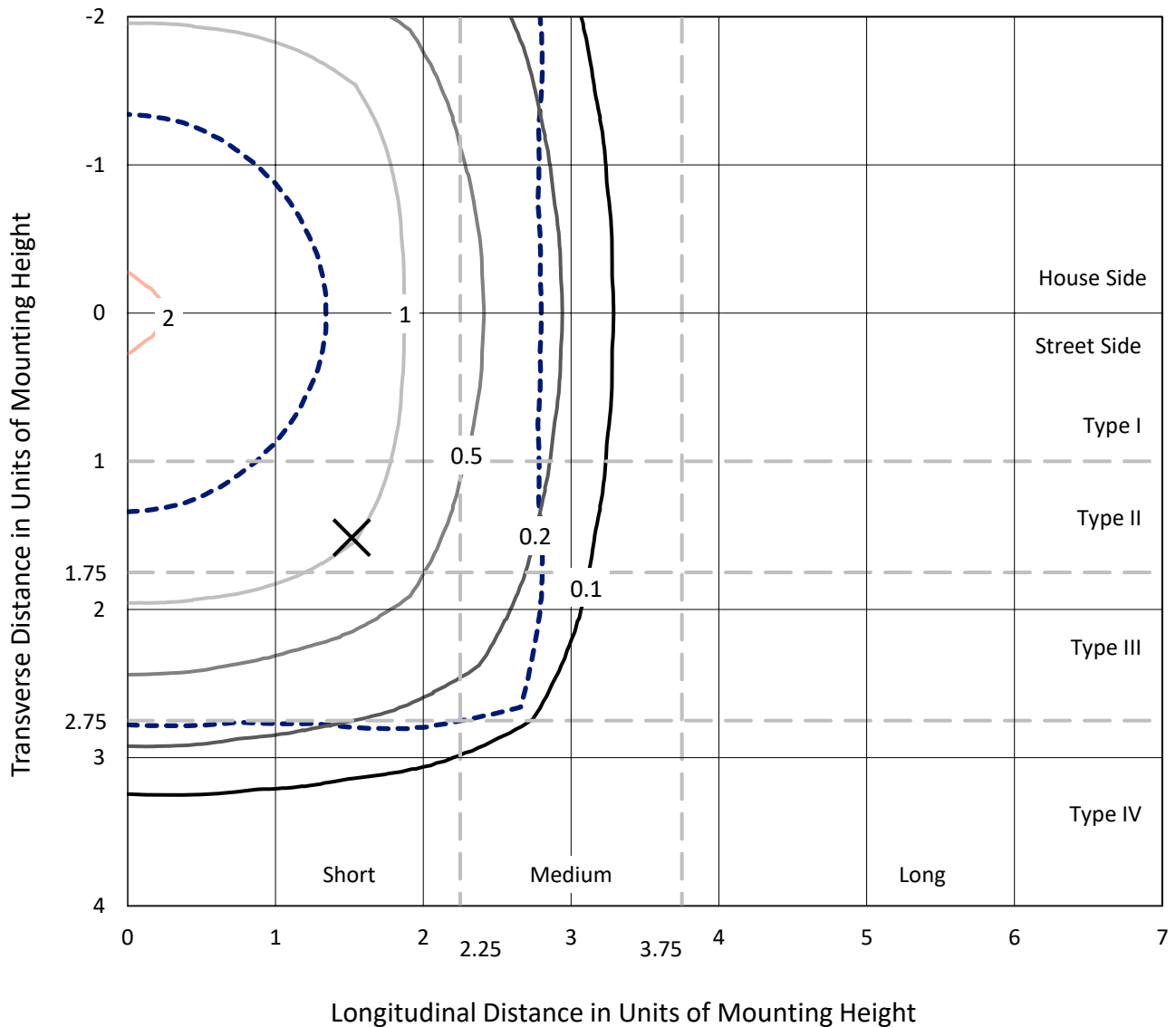
Lumens per Lamp: N/A  
Luminaire Lumens: 11821.8 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 123.9  
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

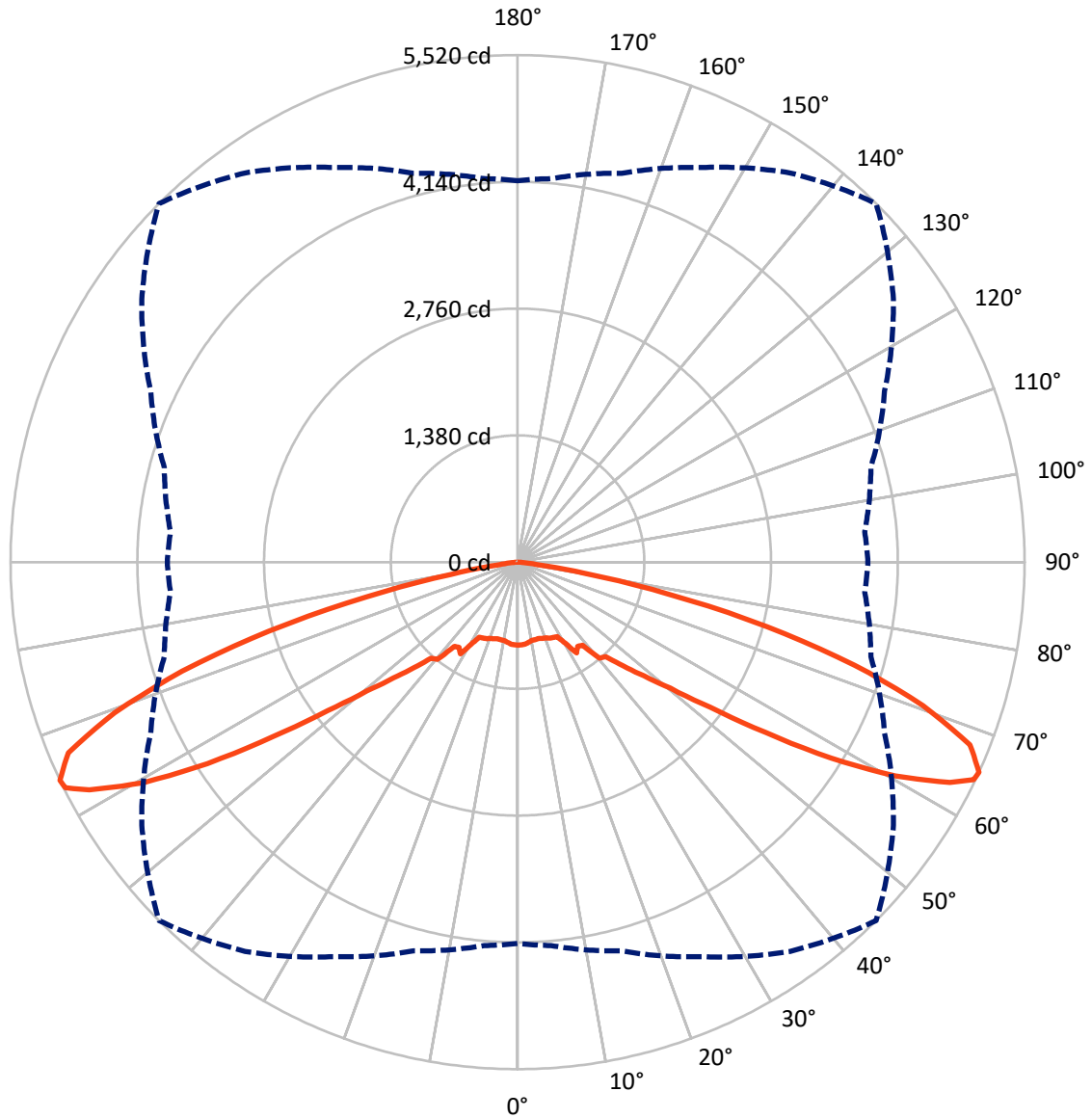
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P479558  
CATALOG NUMBER: IFLD-S-SA2D-722-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479558

CATALOG NUMBER: IFLD-S-SA2D-722-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5910.9	0.0	5910.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5910.9	0.0	5910.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11821.8	0.0	11821.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.8	0.7
10°-20°	249.2	2.1
20°-30°	431.3	3.6
30°-40°	717.1	6.1
40°-50°	1293.8	10.9
50°-60°	2882.1	24.4
60°-70°	4295.3	36.3
70°-80°	1780.0	15.1
80°-90°	88.2	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°	11821.8	100.0
0°-180°	11821.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P479558

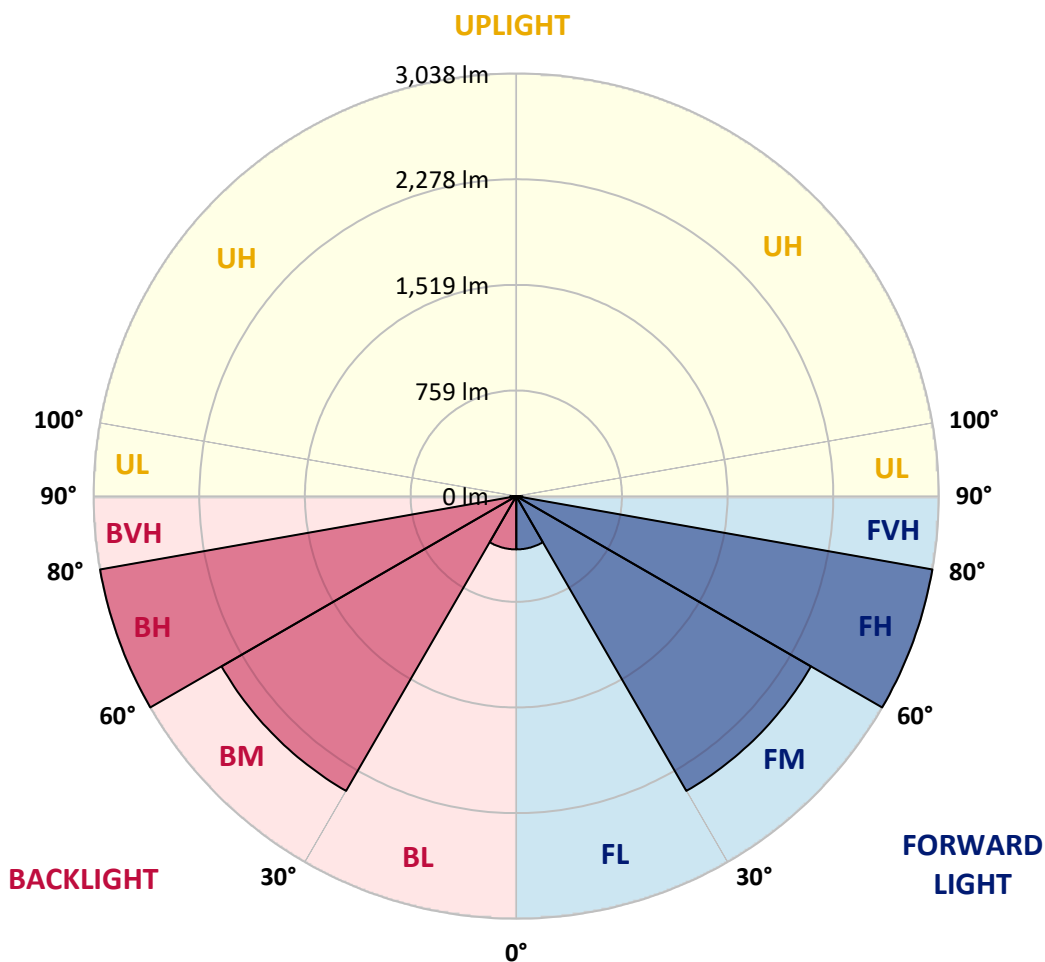
CATALOG NUMBER: IFLD-S-SA2D-722-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.6	3.2			
FM (30°-60°)	2446.5	20.7			
FH (60°-80°)	3037.7	25.7			G2/5000
FVH (80°-90°)	44.1	0.4			G1/100
BL (0°-30°)	382.6	3.2	B1/500		
BM (30°-60°)	2446.5	20.7	B2/2500		
BH (60°-80°)	3037.7	25.7	B4/5000		G2/5000
BVH (80°-90°)	44.1	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





REPORT NUMBER: P479558  
 CATALOG NUMBER: IFLD-S-SA2D-722-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	893.4	896.0	894.7	894.7	898.6	901.2	902.5	915.6	910.4	914.3	910.4
5°	896.0	896.0	898.6	896.0	898.6	896.0	898.6	894.7	898.6	901.2	905.2
7.5°	890.8	888.2	884.3	884.3	883.0	880.3	876.4	886.9	881.6	885.6	892.1
10°	892.1	888.2	875.1	877.7	866.0	866.0	868.6	868.6	880.3	893.4	897.3
12.5°	892.1	884.3	880.3	863.4	863.4	864.7	871.2	873.8	881.6	886.9	899.9
15°	892.1	888.2	881.6	859.4	864.7	862.1	868.6	868.6	885.6	894.7	901.2
17.5°	897.3	899.9	888.2	867.3	868.6	873.8	869.9	873.8	894.7	901.2	910.4
20°	898.6	888.2	884.3	871.2	883.0	880.3	879.0	886.9	893.4	905.2	915.6
22.5°	896.0	899.9	884.3	883.0	893.4	898.6	901.2	892.1	899.9	907.8	916.9
25°	918.2	903.8	899.9	897.3	902.5	907.8	905.2	913.0	913.0	922.1	933.9
27.5°	978.3	979.6	971.8	940.4	930.0	918.2	923.4	944.3	969.2	988.7	992.7
30°	1005.7	1011.0	1031.9	1026.6	1022.7	1026.6	1025.3	1030.5	1033.2	1034.5	1030.5
32.5°	1030.5	1027.9	1018.8	1042.3	1119.4	1178.1	1122.0	1044.9	1027.9	1022.7	1027.9
35°	1120.7	1120.7	1101.1	1071.0	1111.5	1125.9	1099.8	1063.2	1084.1	1127.2	1129.8
37.5°	1236.9	1219.9	1227.8	1223.9	1179.4	1148.1	1193.8	1217.3	1221.2	1219.9	1233.0
40°	1306.1	1294.4	1282.6	1303.5	1344.0	1372.8	1332.3	1276.1	1290.5	1319.2	1307.4
42.5°	1464.2	1434.1	1436.8	1415.9	1414.5	1405.4	1396.3	1400.2	1421.1	1453.7	1459.0
45°	1626.1	1640.5	1631.4	1592.2	1610.5	1610.5	1584.3	1603.9	1614.4	1652.3	1657.5
47.5°	1879.5	1873.0	1876.9	1841.7	1840.4	1849.5	1840.4	1841.7	1874.3	1871.7	1857.3
50°	2176.0	2194.3	2199.5	2182.6	2161.7	2157.7	2143.4	2161.7	2181.3	2182.6	2170.8
52.5°	2586.2	2605.7	2605.7	2611.0	2637.1	2624.0	2621.4	2622.7	2584.8	2558.7	2571.8
55°	3103.4	3109.9	3132.1	3177.8	3257.5	3268.0	3218.3	3196.1	3126.9	3085.1	3117.8
57.5°	3614.1	3640.2	3701.6	3820.5	3918.4	4025.5	3881.8	3735.6	3599.7	3533.1	3544.9
60°	4038.6	4076.5	4194.0	4359.9	4631.6	4729.5	4486.6	4235.8	3960.2	3756.5	3838.7
62.5°	4238.4	4297.2	4396.5	4732.1	5139.7	5280.7	4924.1	4468.3	4050.3	3854.4	3850.5
64°	4239.7	4248.9	4447.4	4809.2	5228.5	5501.5	5029.9	4468.3	4072.5	3830.9	3875.3
65°	4152.2	4190.1	4382.1	4738.7	5172.3	5519.7	4993.4	4406.9	3981.1	3793.0	3813.9
67.5°	3755.2	3753.8	3931.5	4285.4	4887.6	5312.1	4682.5	4063.4	3755.2	3551.4	3576.2
70°	2848.7	2894.4	3064.2	3499.1	4229.3	4683.8	4094.7	3453.4	3069.4	2906.2	2897.0
72.5°	1704.5	1764.6	1981.4	2511.7	3284.9	3837.4	3249.7	2554.8	2092.4	1833.8	1840.4
75°	777.2	821.6	970.5	1402.8	2189.1	2805.6	2202.2	1477.2	1059.3	894.7	871.2
77.5°	218.1	245.6	327.8	643.9	1201.6	1682.3	1235.6	711.8	462.4	384.0	376.2
80°	98.0	103.2	116.2	156.7	381.4	741.9	510.7	261.2	173.7	143.7	137.1
82.5°	53.6	57.5	75.8	81.0	108.4	197.2	168.5	122.8	104.5	83.6	81.0
85°	30.0	31.3	43.1	43.1	52.2	57.5	61.4	65.3	64.0	47.0	45.7
87.5°	9.1	10.4	13.1	13.1	13.1	13.1	20.9	28.7	31.3	22.2	22.2
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)