

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: P479634

Luminaire Tested: **IFLD-S-SA2B-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479634  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

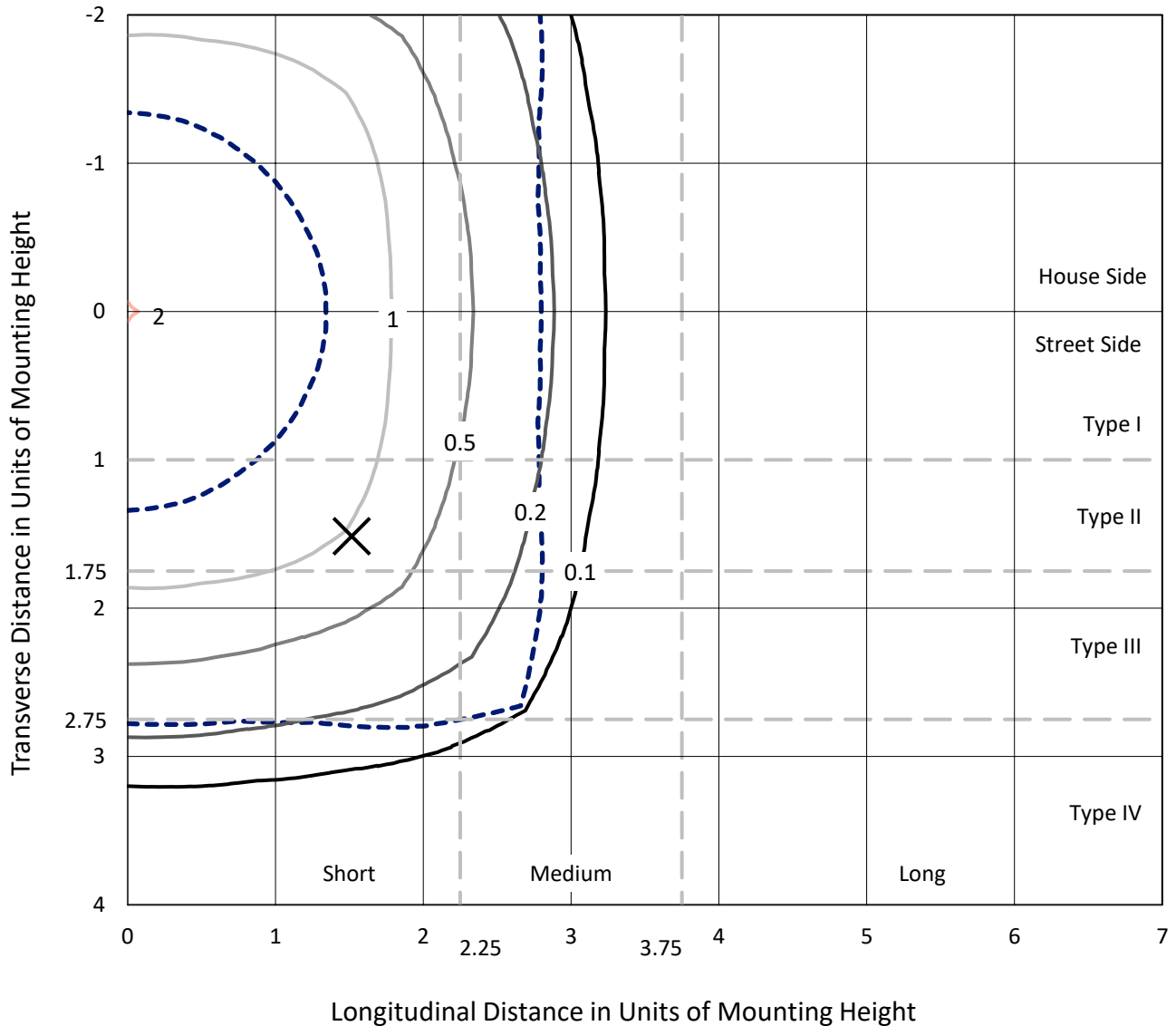
Lumens per Lamp: N/A  
Luminaire Lumens: 10669.3 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 82.4  
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

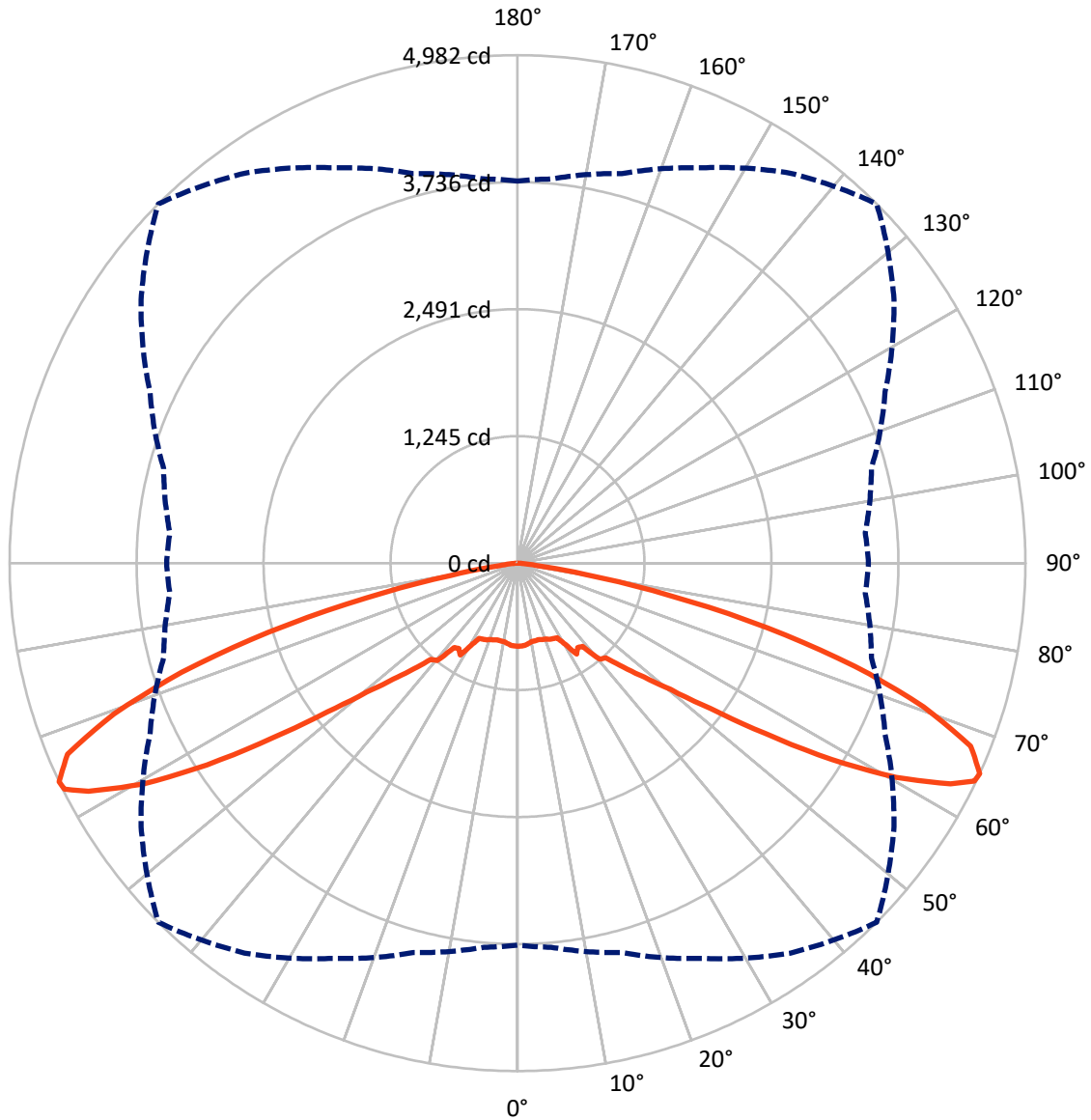
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2 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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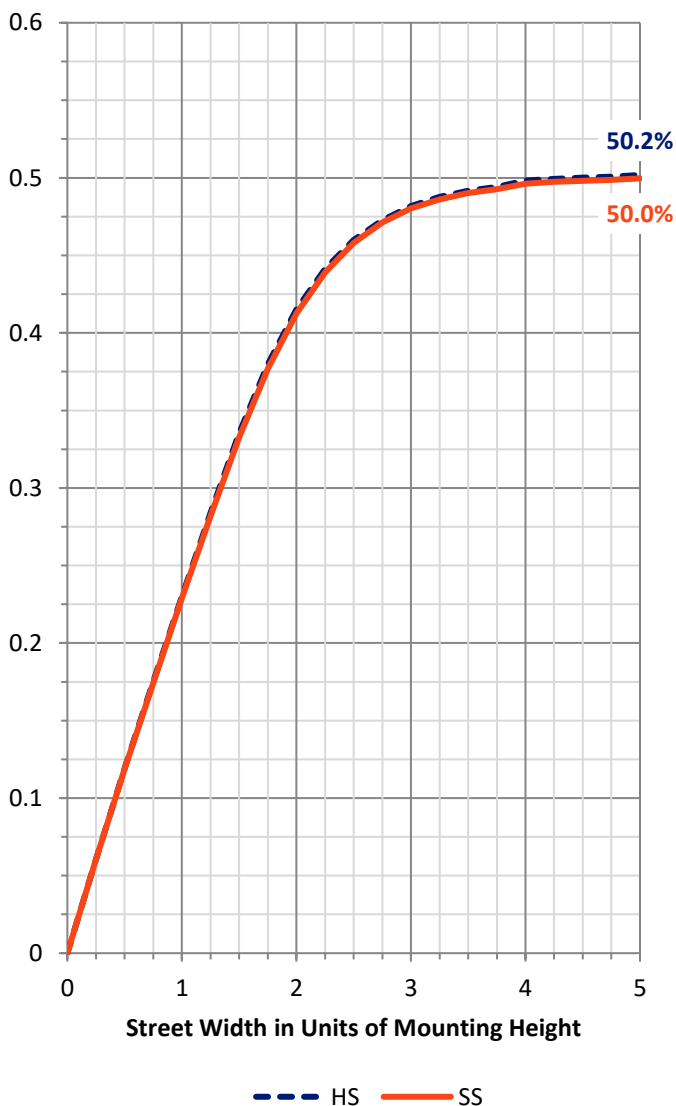
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5334.7	0.0	5334.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5334.7	0.0	5334.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10669.3	0.0	10669.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.6	0.7
10°-20°	224.9	2.1
20°-30°	389.2	3.6
30°-40°	647.2	6.1
40°-50°	1167.7	10.9
50°-60°	2601.2	24.4
60°-70°	3876.6	36.3
70°-80°	1606.5	15.1
80°-90°	79.6	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°	10669.3	100.0
0°-180°	10669.3	100.0

**Coefficient of Utilization**



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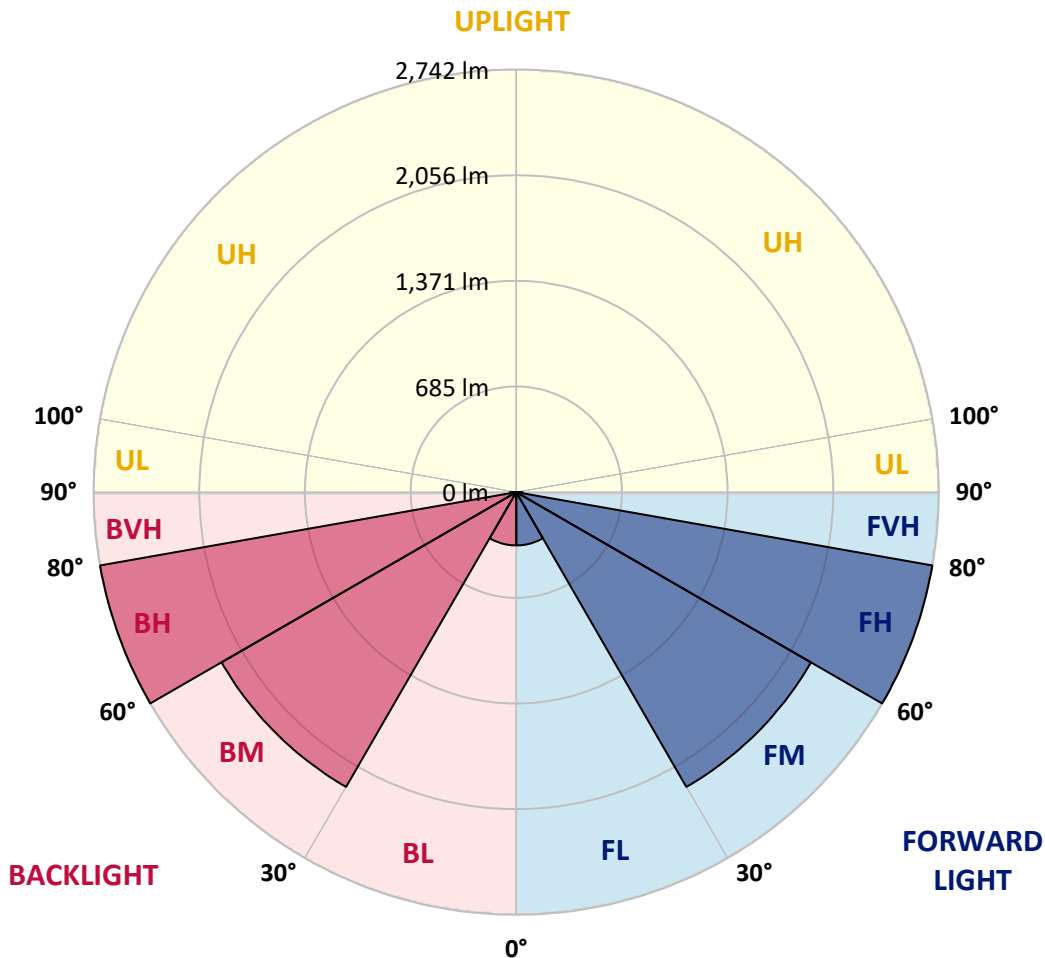
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.3	3.2			
FM (30°-60°)	2208.0	20.7			
FH (60°-80°)	2741.5	25.7			G2/5000
FVH (80°-90°)	39.8	0.4			G1/100
BL (0°-30°)	345.3	3.2	B1/500		
BM (30°-60°)	2208.0	20.7	B2/2500		
BH (60°-80°)	2741.5	25.7	B4/5000		G2/5000
BVH (80°-90°)	39.8	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°	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	806.3	808.7	807.5	807.5	811.0	813.4	814.6	826.3	821.6	825.2	821.6
5°	808.7	808.7	811.0	808.7	811.0	808.7	811.0	807.5	811.0	813.4	816.9
7.5°	803.9	801.6	798.1	798.1	796.9	794.5	791.0	800.4	795.7	799.2	805.1
10°	805.1	801.6	789.8	792.2	781.6	781.6	783.9	783.9	794.5	806.3	809.8
12.5°	805.1	798.1	794.5	779.2	779.2	780.4	786.3	788.6	795.7	800.4	812.2
15°	805.1	801.6	795.7	775.7	780.4	778.0	783.9	783.9	799.2	807.5	813.4
17.5°	809.8	812.2	801.6	782.7	783.9	788.6	785.1	788.6	807.5	813.4	821.6
20°	811.0	801.6	798.1	786.3	796.9	794.5	793.3	800.4	806.3	816.9	826.3
22.5°	808.7	812.2	798.1	796.9	806.3	811.0	813.4	805.1	812.2	819.3	827.5
25°	828.7	815.7	812.2	809.8	814.6	819.3	816.9	824.0	824.0	832.2	842.8
27.5°	882.9	884.1	877.0	848.7	839.3	828.7	833.4	852.3	874.7	892.4	895.9
30°	907.7	912.4	931.3	926.5	923.0	926.5	925.4	930.1	932.4	933.6	930.1
32.5°	930.1	927.7	919.5	940.7	1010.2	1063.3	1012.6	943.0	927.7	923.0	927.7
35°	1011.4	1011.4	993.7	966.6	1003.2	1016.1	992.6	959.6	978.4	1017.3	1019.7
37.5°	1116.3	1101.0	1108.1	1104.5	1064.5	1036.2	1077.4	1098.6	1102.2	1101.0	1112.8
40°	1178.8	1168.2	1157.6	1176.5	1213.0	1238.9	1202.4	1151.7	1164.7	1190.6	1180.0
42.5°	1321.4	1294.3	1296.7	1277.8	1276.6	1268.4	1260.1	1263.7	1282.5	1312.0	1316.7
45°	1467.6	1480.6	1472.3	1437.0	1453.5	1453.5	1429.9	1447.6	1457.0	1491.2	1495.9
47.5°	1696.3	1690.4	1693.9	1662.1	1660.9	1669.2	1660.9	1662.1	1691.6	1689.2	1676.3
50°	1963.9	1980.4	1985.1	1969.8	1950.9	1947.4	1934.4	1950.9	1968.6	1969.8	1959.2
52.5°	2334.0	2351.7	2351.7	2356.4	2380.0	2368.2	2365.9	2367.0	2332.9	2309.3	2321.1
55°	2800.8	2806.7	2826.8	2868.0	2939.9	2949.4	2904.6	2884.5	2822.1	2784.3	2813.8
57.5°	3261.8	3285.3	3340.7	3448.0	3536.4	3633.1	3503.4	3371.4	3248.8	3188.7	3199.3
60°	3644.9	3679.1	3785.2	3934.9	4180.1	4268.5	4049.2	3822.9	3574.1	3390.3	3464.5
62.5°	3825.2	3878.3	3967.9	4270.8	4638.6	4765.9	4444.1	4032.7	3655.5	3478.7	3475.1
64°	3826.4	3834.7	4013.8	4340.4	4718.8	4965.1	4539.6	4032.7	3675.5	3457.4	3497.5
65°	3747.4	3781.6	3954.9	4276.7	4668.1	4981.6	4506.6	3977.3	3593.0	3423.3	3442.1
67.5°	3389.1	3387.9	3548.2	3867.7	4411.1	4794.2	4226.0	3667.3	3389.1	3205.2	3227.6
70°	2571.0	2612.2	2765.5	3158.0	3817.0	4227.2	3695.6	3116.8	2770.2	2622.8	2614.6
72.5°	1538.3	1592.6	1788.3	2266.8	2964.7	3463.3	2932.9	2305.7	1888.5	1655.0	1660.9
75°	701.4	741.5	875.9	1266.0	1975.7	2532.1	1987.5	1333.2	956.0	807.5	786.3
77.5°	196.9	221.6	295.9	581.2	1084.5	1518.3	1115.2	642.5	417.3	346.6	339.5
80°	88.4	93.1	104.9	141.5	344.2	669.6	460.9	235.8	156.8	129.7	123.8
82.5°	48.3	51.9	68.4	73.1	97.8	178.0	152.1	110.8	94.3	75.4	73.1
85°	27.1	28.3	38.9	38.9	47.2	51.9	55.4	58.9	57.8	42.4	41.3
87.5°	8.3	9.4	11.8	11.8	11.8	11.8	18.9	25.9	28.3	20.0	20.0
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)