

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: P479638

Luminaire Tested: **IFLD-S-SA3A-730-U-5WQ**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P479638  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

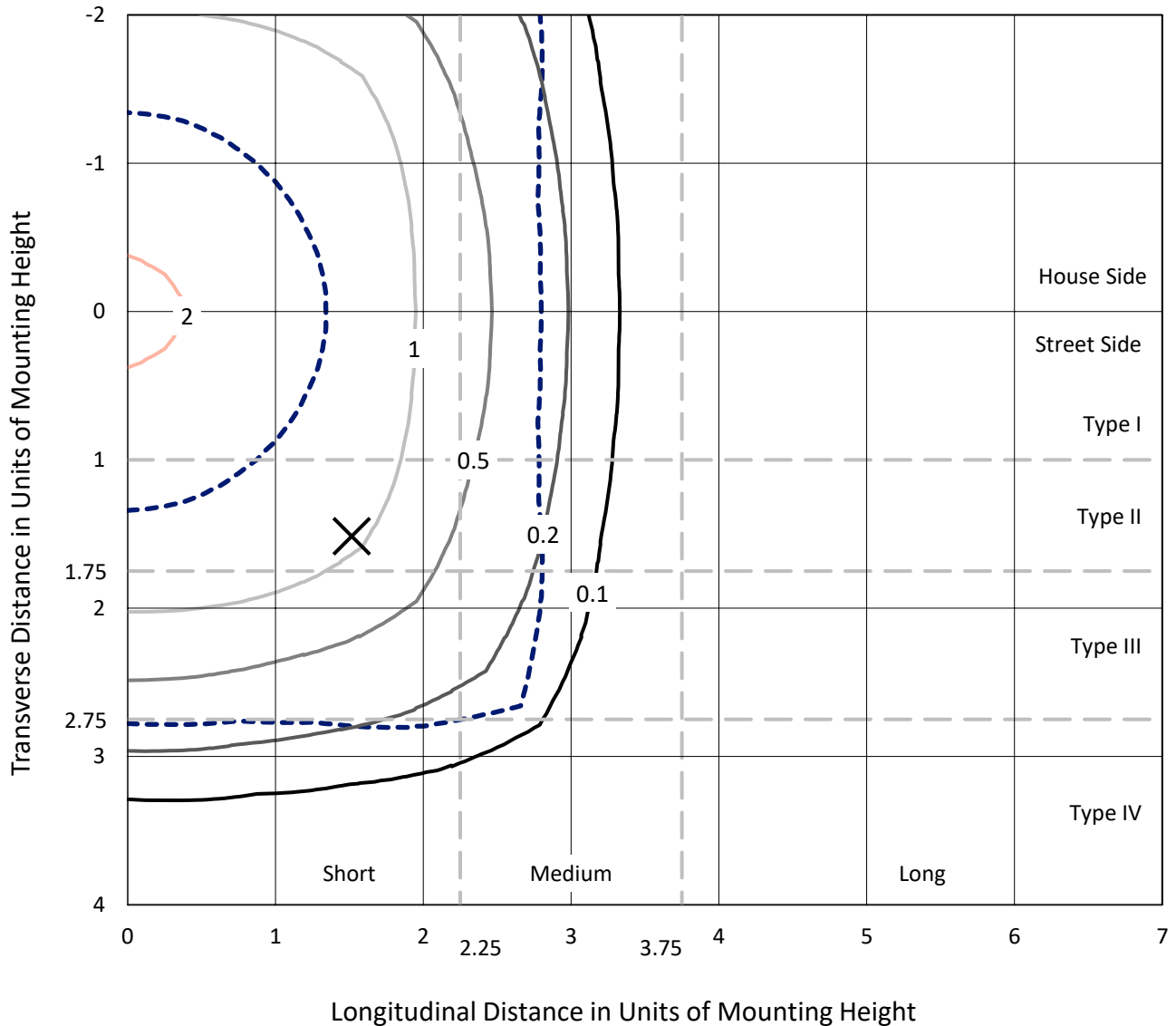
Lumens per Lamp: N/A  
Luminaire Lumens: 12856.6 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 94.8  
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

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### Iso-Footcandle Lines of Horizontal Illumination

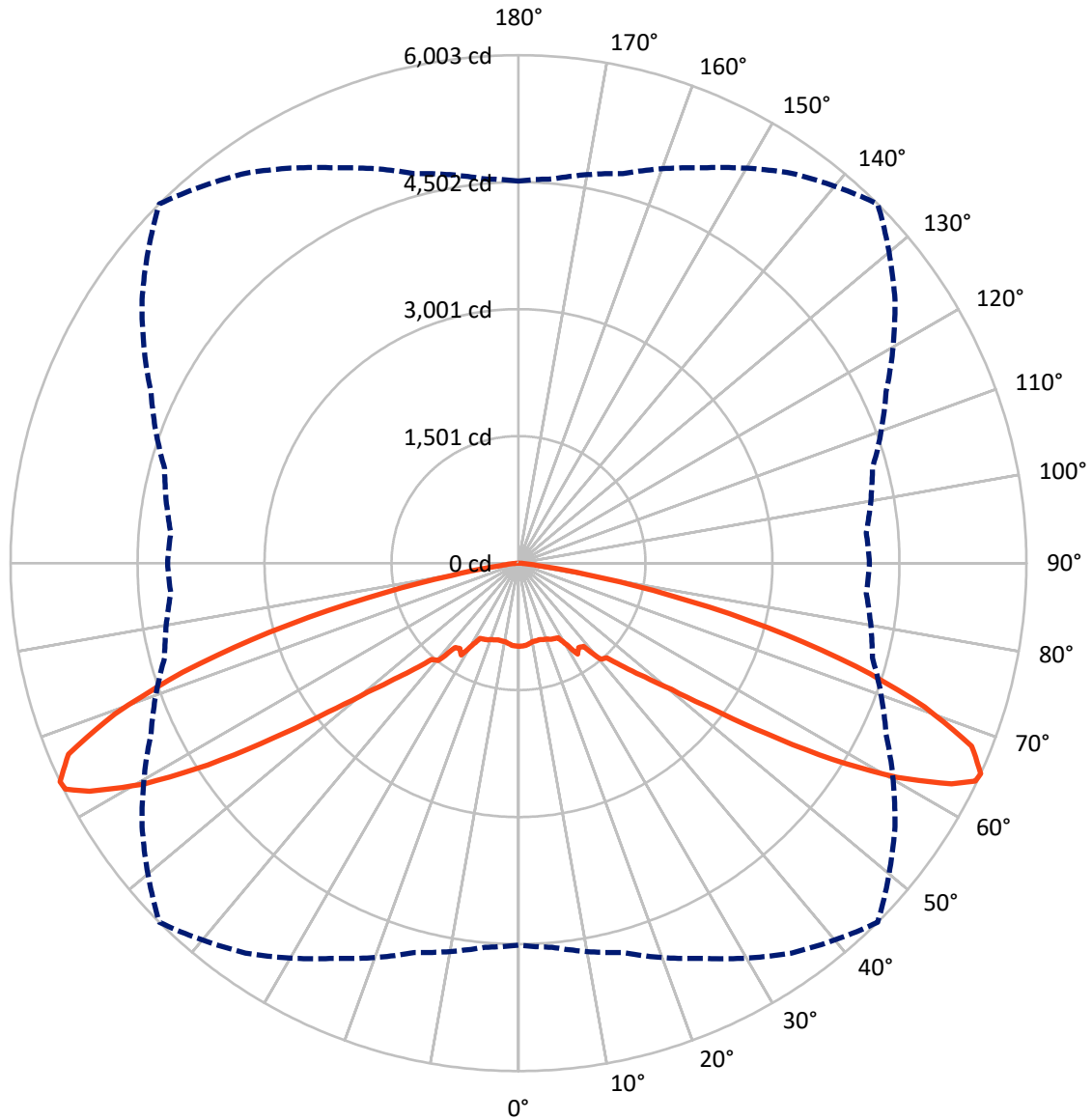
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 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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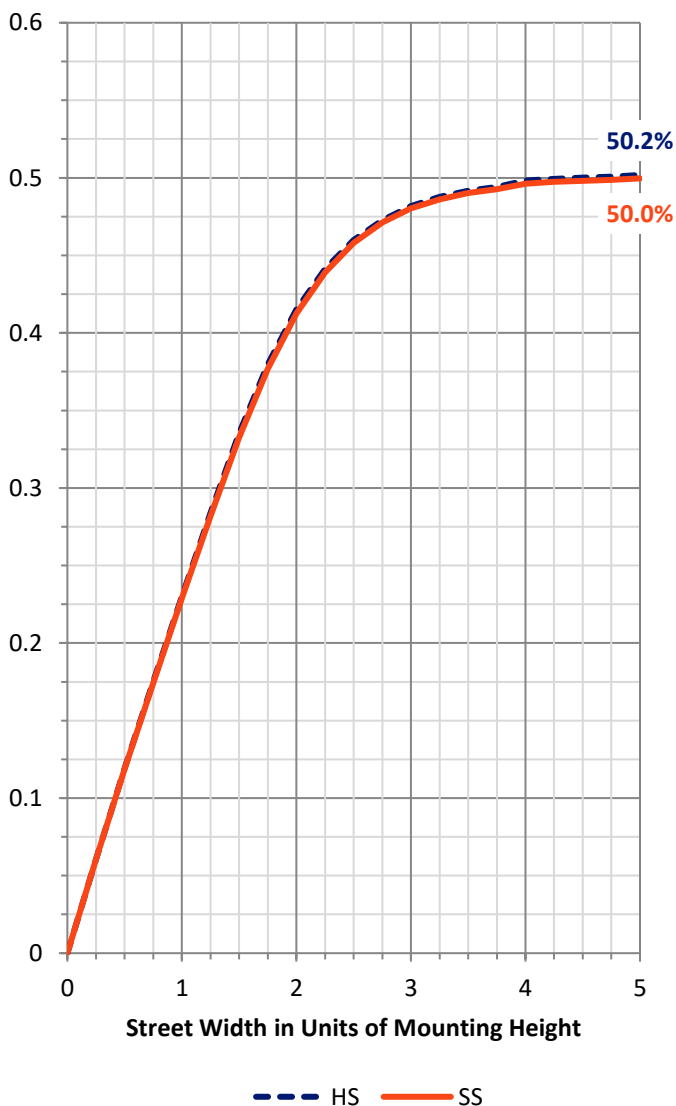
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6428.3	0.0	6428.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6428.3	0.0	6428.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12856.6	0.0	12856.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	0.7
10°-20°	271.0	2.1
20°-30°	469.0	3.6
30°-40°	779.9	6.1
40°-50°	1407.0	10.9
50°-60°	3134.4	24.4
60°-70°	4671.3	36.3
70°-80°	1935.8	15.1
80°-90°	95.9	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°	12856.6	100.0
0°-180°	12856.6	100.0

**Coefficient of Utilization**



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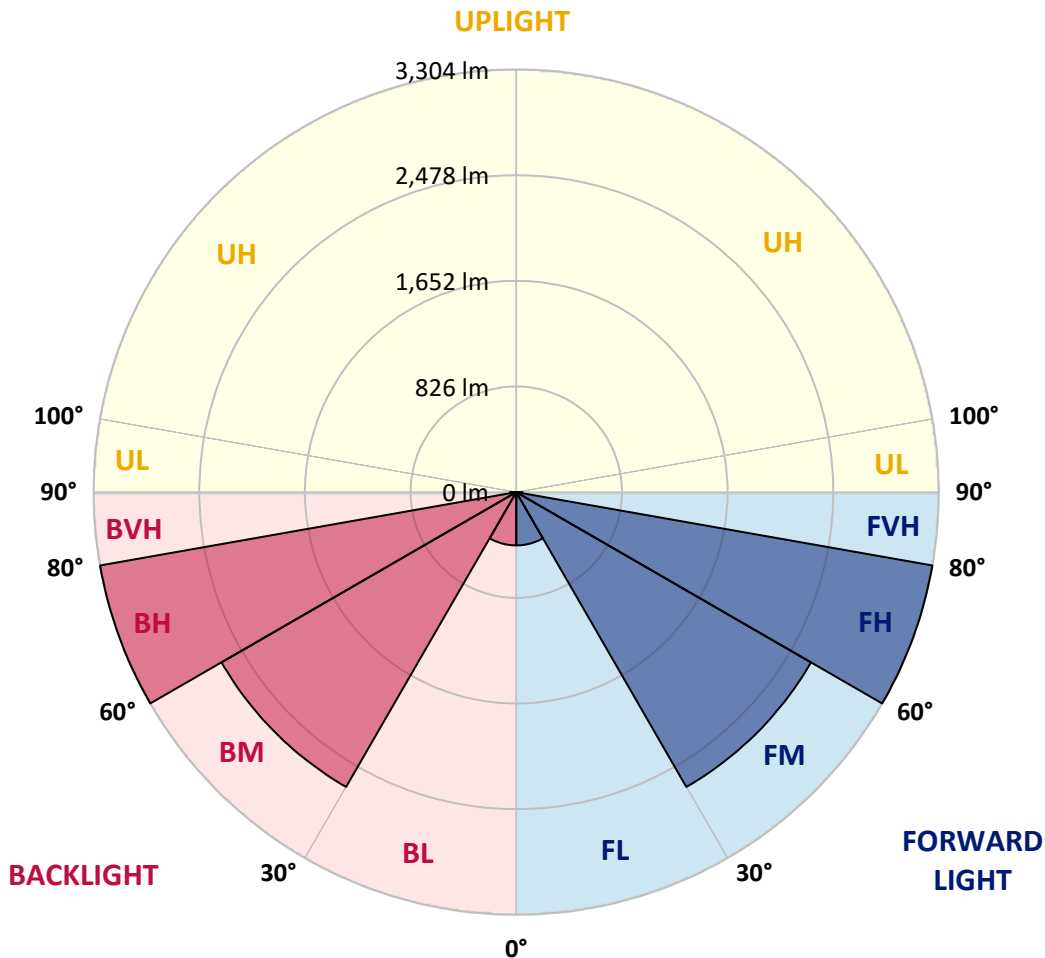
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.1	3.2			
FM (30°-60°)	2660.7	20.7			
FH (60°-80°)	3303.6	25.7			G2/5000
FVH (80°-90°)	47.9	0.4			G1/100
BL (0°-30°)	416.1	3.2	B1/500		
BM (30°-60°)	2660.7	20.7	B3/5000		
BH (60°-80°)	3303.6	25.7	B4/5000		G2/5000
BVH (80°-90°)	47.9	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°	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0
2.5°	971.6	974.4	973.0	973.0	977.3	980.1	981.5	995.8	990.1	994.3	990.1
5°	974.4	974.4	977.3	974.4	977.3	974.4	977.3	973.0	977.3	980.1	984.4
7.5°	968.8	965.9	961.7	961.7	960.2	957.4	953.1	964.5	958.8	963.1	970.2
10°	970.2	965.9	951.7	954.6	941.8	941.8	944.6	944.6	957.4	971.6	975.9
12.5°	970.2	961.7	957.4	938.9	938.9	940.4	947.5	950.3	958.8	964.5	978.7
15°	970.2	965.9	958.8	934.7	940.4	937.5	944.6	944.6	963.1	973.0	980.1
17.5°	975.9	978.7	965.9	943.2	944.6	950.3	946.0	950.3	973.0	980.1	990.1
20°	977.3	965.9	961.7	947.5	960.2	957.4	956.0	964.5	971.6	984.4	995.8
22.5°	974.4	978.7	961.7	960.2	971.6	977.3	980.1	970.2	978.7	987.2	997.2
25°	998.6	983.0	978.7	975.9	981.5	987.2	984.4	992.9	992.9	1002.9	1015.6
27.5°	1063.9	1065.4	1056.8	1022.7	1011.4	998.6	1004.3	1027.0	1054.0	1075.3	1079.6
30°	1093.8	1099.4	1122.2	1116.5	1112.2	1116.5	1115.1	1120.8	1123.6	1125.0	1120.8
32.5°	1120.8	1117.9	1108.0	1133.5	1217.3	1281.3	1220.2	1136.4	1117.9	1112.2	1117.9
35°	1218.8	1218.8	1197.5	1164.8	1208.8	1224.5	1196.0	1156.3	1179.0	1225.9	1228.7
37.5°	1345.2	1326.7	1335.2	1331.0	1282.7	1248.6	1298.3	1323.9	1328.1	1326.7	1340.9
40°	1420.5	1407.7	1394.9	1417.6	1461.7	1492.9	1448.9	1387.8	1403.4	1434.7	1421.9
42.5°	1592.4	1559.7	1562.5	1539.8	1538.4	1528.4	1518.5	1522.8	1545.5	1581.0	1586.7
45°	1768.5	1784.1	1774.2	1731.6	1751.4	1751.4	1723.0	1744.3	1755.7	1796.9	1802.6
47.5°	2044.1	2037.0	2041.2	2002.9	2001.5	2011.4	2001.5	2002.9	2038.4	2035.5	2019.9
50°	2366.5	2386.4	2392.1	2373.6	2350.9	2346.6	2331.0	2350.9	2372.2	2373.6	2360.8
52.5°	2812.5	2833.8	2833.8	2839.5	2867.9	2853.7	2850.9	2852.3	2811.1	2782.7	2796.9
55°	3375.1	3382.2	3406.3	3456.0	3542.7	3554.0	3500.1	3475.9	3400.6	3355.2	3390.7
57.5°	3930.5	3958.9	4025.6	4154.9	4261.4	4377.9	4221.7	4062.6	3914.8	3842.4	3855.2
60°	4392.1	4433.3	4561.1	4741.5	5037.0	5143.5	4879.3	4606.6	4306.9	4085.3	4174.8
62.5°	4609.4	4673.4	4781.3	5146.4	5589.6	5743.0	5355.2	4859.4	4404.9	4191.8	4187.6
64°	4610.9	4620.8	4836.7	5230.2	5686.2	5983.0	5470.3	4859.4	4429.0	4166.3	4214.6
65°	4515.7	4556.9	4765.7	5153.5	5625.1	6002.9	5430.5	4792.7	4329.6	4125.1	4147.8
67.5°	4083.9	4082.4	4275.6	4660.6	5315.4	5777.1	5092.4	4419.1	4083.9	3862.3	3889.3
70°	3098.1	3147.8	3332.4	3805.5	4599.5	5093.8	4453.2	3755.7	3338.1	3160.6	3150.6
72.5°	1853.7	1919.1	2154.9	2731.6	3572.5	4173.4	3534.1	2778.5	2275.6	1994.3	2001.5
75°	845.2	893.5	1055.4	1525.6	2380.7	3051.2	2394.9	1606.6	1152.0	973.0	947.5
77.5°	237.2	267.0	356.5	700.3	1306.8	1829.6	1343.8	774.2	502.8	417.6	409.1
80°	106.5	112.2	126.4	170.5	414.8	806.8	555.4	284.1	188.9	156.3	149.1
82.5°	58.2	62.5	82.4	88.1	117.9	214.5	183.2	133.5	113.6	90.9	88.1
85°	32.7	34.1	46.9	46.9	56.8	62.5	66.8	71.0	69.6	51.1	49.7
87.5°	9.9	11.4	14.2	14.2	14.2	14.2	22.7	31.3	34.1	24.1	24.1
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)