

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: P479677

Luminaire Tested: **IFLD-S-SA3A-735-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479677  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-735-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

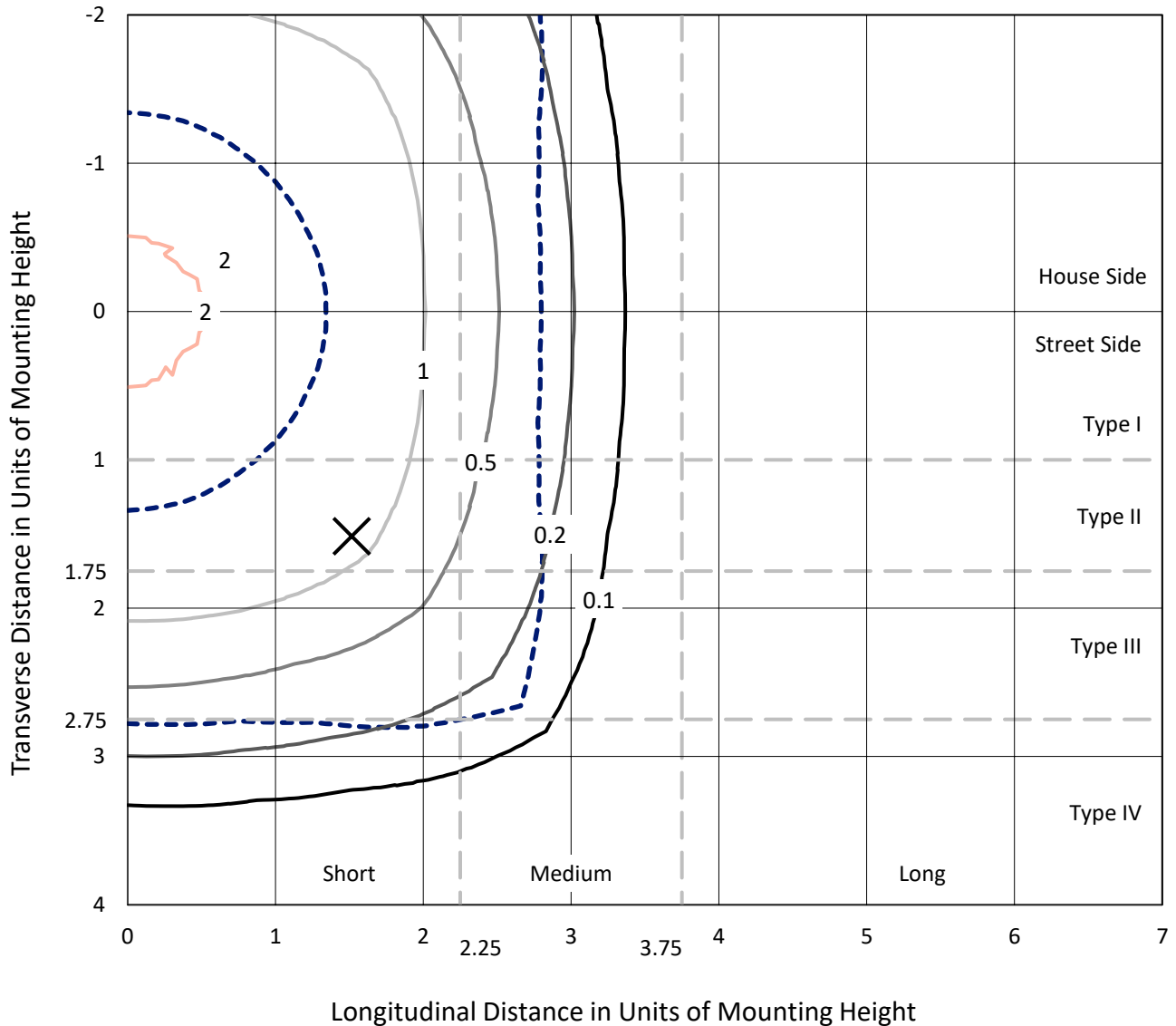
Lumens per Lamp: N/A  
Luminaire Lumens: 13925.4 lumens  
Efficiency: N/A  
Efficacy: 146.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

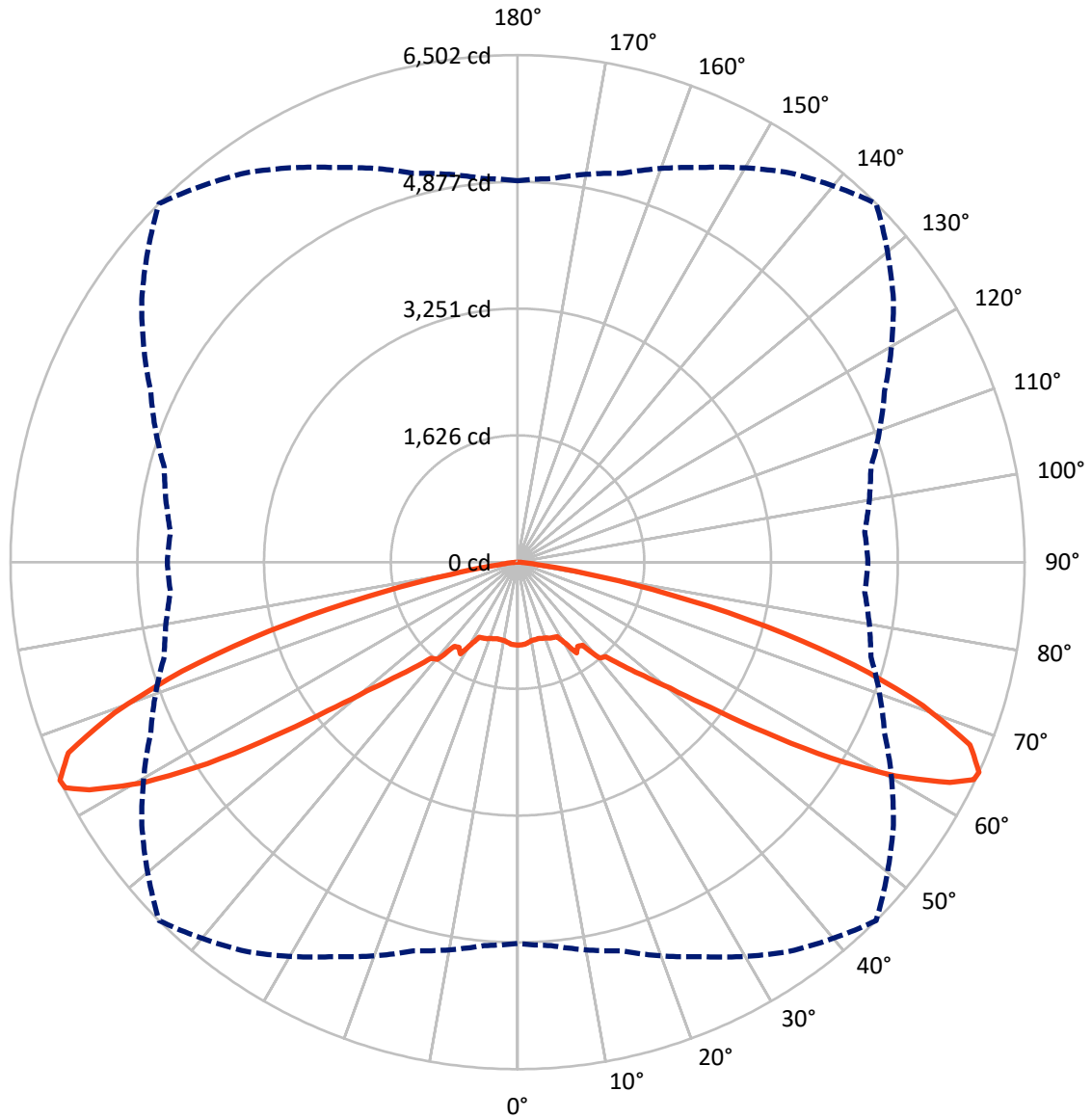
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 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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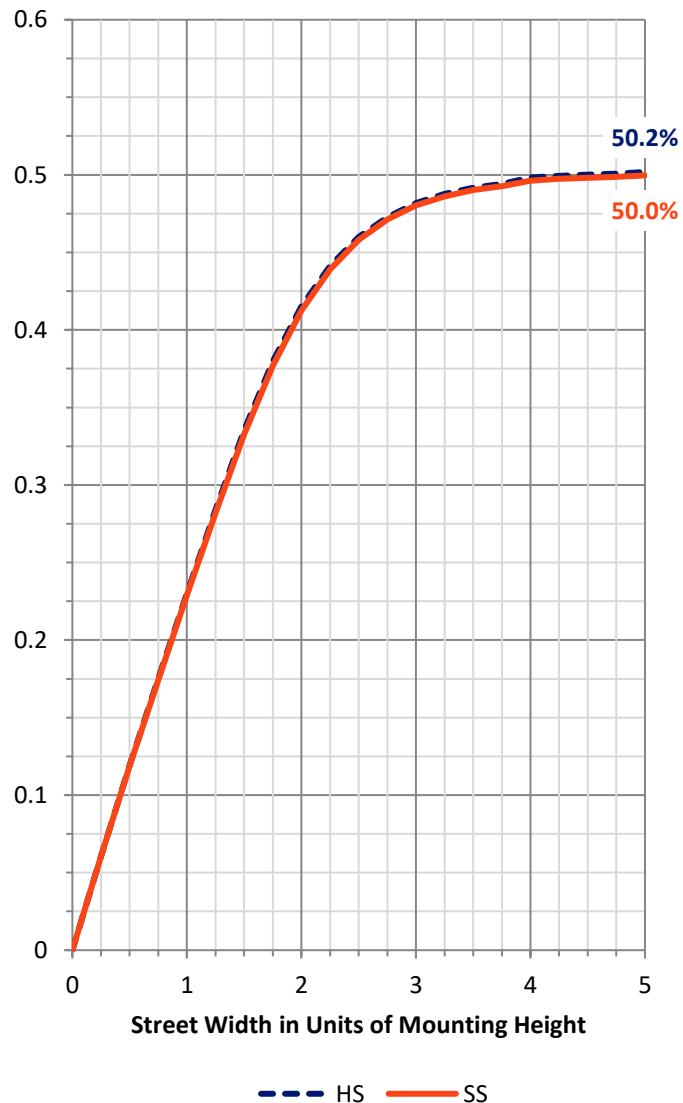
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6962.7	0.0	6962.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6962.7	0.0	6962.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13925.4	0.0	13925.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	0.7
10°-20°	293.5	2.1
20°-30°	508.0	3.6
30°-40°	844.7	6.1
40°-50°	1524.0	10.9
50°-60°	3395.0	24.4
60°-70°	5059.6	36.3
70°-80°	2096.8	15.1
80°-90°	103.8	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°	13925.4	100.0
0°-180°	13925.4	100.0

**Coefficient of Utilization**



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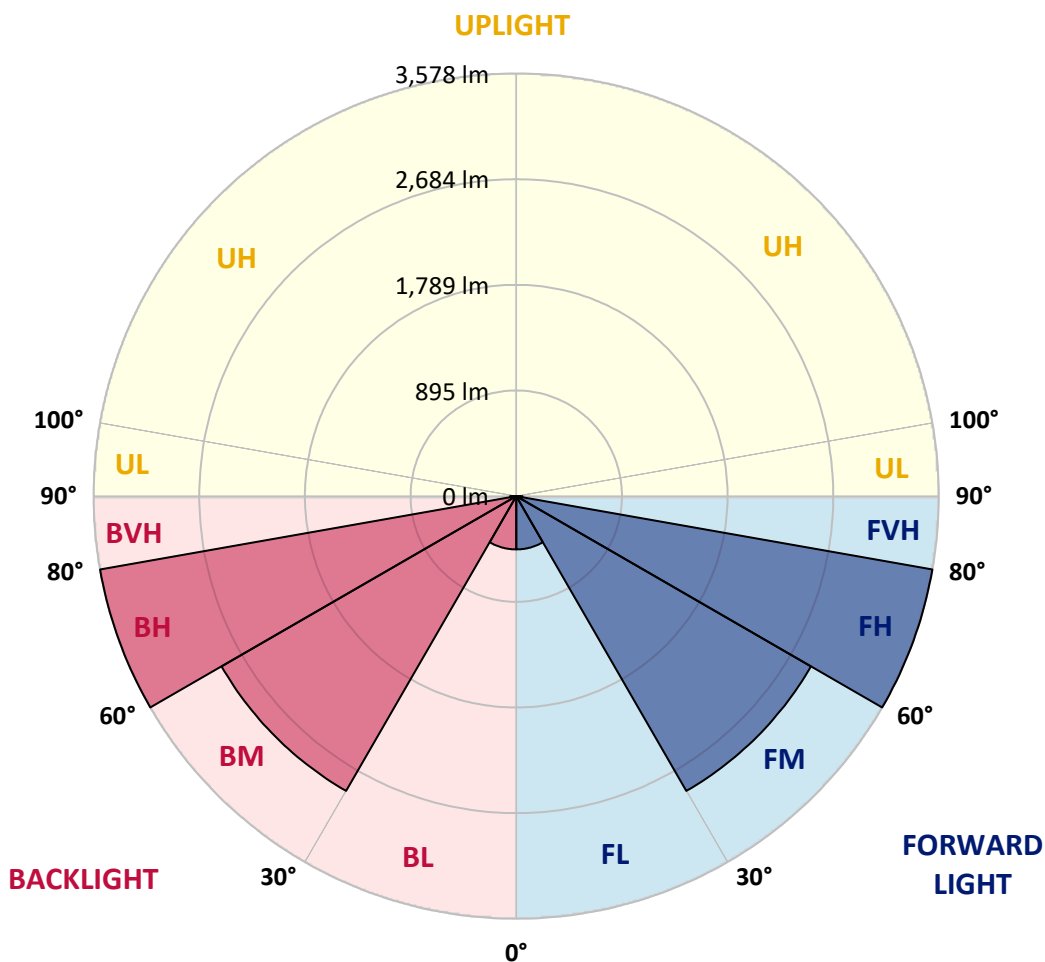
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.7	3.2			
FM (30°-60°)	2881.9	20.7			
FH (60°-80°)	3578.2	25.7			G2/5000
FVH (80°-90°)	51.9	0.4			G1/100
BL (0°-30°)	450.7	3.2	B1/500		
BM (30°-60°)	2881.9	20.7	B3/5000		
BH (60°-80°)	3578.2	25.7	B4/5000		G2/5000
BVH (80°-90°)	51.9	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°	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7
2.5°	1052.4	1055.5	1053.9	1053.9	1058.5	1061.6	1063.1	1078.5	1072.4	1077.0	1072.4
5°	1055.5	1055.5	1058.5	1055.5	1058.5	1055.5	1058.5	1053.9	1058.5	1061.6	1066.2
7.5°	1049.3	1046.2	1041.6	1041.6	1040.1	1037.0	1032.4	1044.7	1038.5	1043.1	1050.8
10°	1050.8	1046.2	1030.8	1033.9	1020.1	1020.1	1023.1	1023.1	1037.0	1052.4	1057.0
12.5°	1050.8	1041.6	1037.0	1017.0	1017.0	1018.5	1026.2	1029.3	1038.5	1044.7	1060.1
15°	1050.8	1046.2	1038.5	1012.4	1018.5	1015.5	1023.1	1023.1	1043.1	1053.9	1061.6
17.5°	1057.0	1060.1	1046.2	1021.6	1023.1	1029.3	1024.7	1029.3	1053.9	1061.6	1072.4
20°	1058.5	1046.2	1041.6	1026.2	1040.1	1037.0	1035.5	1044.7	1052.4	1066.2	1078.5
22.5°	1055.5	1060.1	1041.6	1040.1	1052.4	1058.5	1061.6	1050.8	1060.1	1069.3	1080.1
25°	1081.6	1064.7	1060.1	1057.0	1063.1	1069.3	1066.2	1075.5	1075.5	1086.2	1100.1
27.5°	1152.4	1153.9	1144.7	1107.8	1095.5	1081.6	1087.8	1112.4	1141.6	1164.7	1169.3
30°	1184.7	1190.8	1215.5	1209.3	1204.7	1209.3	1207.8	1213.9	1217.0	1218.5	1213.9
32.5°	1213.9	1210.8	1200.1	1227.8	1318.5	1387.8	1321.6	1230.9	1210.8	1204.7	1210.8
35°	1320.1	1320.1	1297.0	1261.6	1309.3	1326.2	1295.5	1252.4	1277.0	1327.8	1330.9
37.5°	1457.0	1437.0	1446.2	1441.6	1389.3	1352.4	1406.2	1433.9	1438.6	1437.0	1452.4
40°	1538.6	1524.7	1510.9	1535.5	1583.2	1617.0	1569.3	1503.2	1520.1	1553.9	1540.1
42.5°	1724.7	1689.3	1692.4	1667.8	1666.3	1655.5	1644.7	1649.3	1674.0	1712.4	1718.6
45°	1915.5	1932.4	1921.7	1875.5	1897.0	1897.0	1866.3	1889.4	1901.7	1946.3	1952.4
47.5°	2214.0	2206.3	2210.9	2169.4	2167.8	2178.6	2167.8	2169.4	2207.8	2204.8	2187.8
50°	2563.2	2584.8	2590.9	2570.9	2546.3	2541.7	2524.8	2546.3	2569.4	2570.9	2557.1
52.5°	3046.4	3069.4	3069.4	3075.6	3106.4	3091.0	3087.9	3089.4	3044.8	3014.0	3029.4
55°	3655.6	3663.3	3689.5	3743.3	3837.2	3849.5	3791.0	3764.9	3683.3	3634.1	3672.5
57.5°	4257.2	4288.0	4360.3	4500.3	4615.7	4741.9	4572.6	4400.3	4240.3	4161.8	4175.7
60°	4757.2	4801.9	4940.3	5135.7	5455.7	5571.1	5285.0	4989.6	4664.9	4424.9	4521.8
62.5°	4992.6	5061.9	5178.8	5574.2	6054.2	6220.4	5800.4	5263.4	4771.1	4540.3	4535.7
64°	4994.2	5004.9	5238.8	5665.0	6158.9	6480.4	5925.0	5263.4	4797.2	4512.6	4564.9
65°	4891.1	4935.7	5161.9	5581.9	6092.7	6502.0	5881.9	5191.1	4689.5	4468.0	4492.6
67.5°	4423.4	4421.8	4631.1	5048.0	5757.3	6257.3	5515.7	4786.5	4423.4	4183.4	4212.6
70°	3355.6	3409.5	3609.5	4121.8	4981.9	5517.3	4823.4	4068.0	3615.6	3423.3	3412.5
72.5°	2007.8	2078.6	2334.0	2958.7	3869.5	4520.3	3827.9	3009.4	2464.8	2160.1	2167.8
75°	915.4	967.8	1143.2	1652.4	2578.6	3304.8	2594.0	1740.1	1247.8	1053.9	1026.2
77.5°	256.9	289.2	386.2	758.5	1415.5	1981.7	1455.5	838.5	544.7	452.3	443.1
80°	115.4	121.5	136.9	184.6	449.3	873.9	601.6	307.7	204.6	169.2	161.5
82.5°	63.1	67.7	89.2	95.4	127.7	232.3	198.5	144.6	123.1	98.5	95.4
85°	35.4	36.9	50.8	50.8	61.5	67.7	72.3	76.9	75.4	55.4	53.8
87.5°	10.8	12.3	15.4	15.4	15.4	15.4	24.6	33.8	36.9	26.2	26.2
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)