

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: P479872

Luminaire Tested: **IFLD-S-SA3A-830-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479872  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-830-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

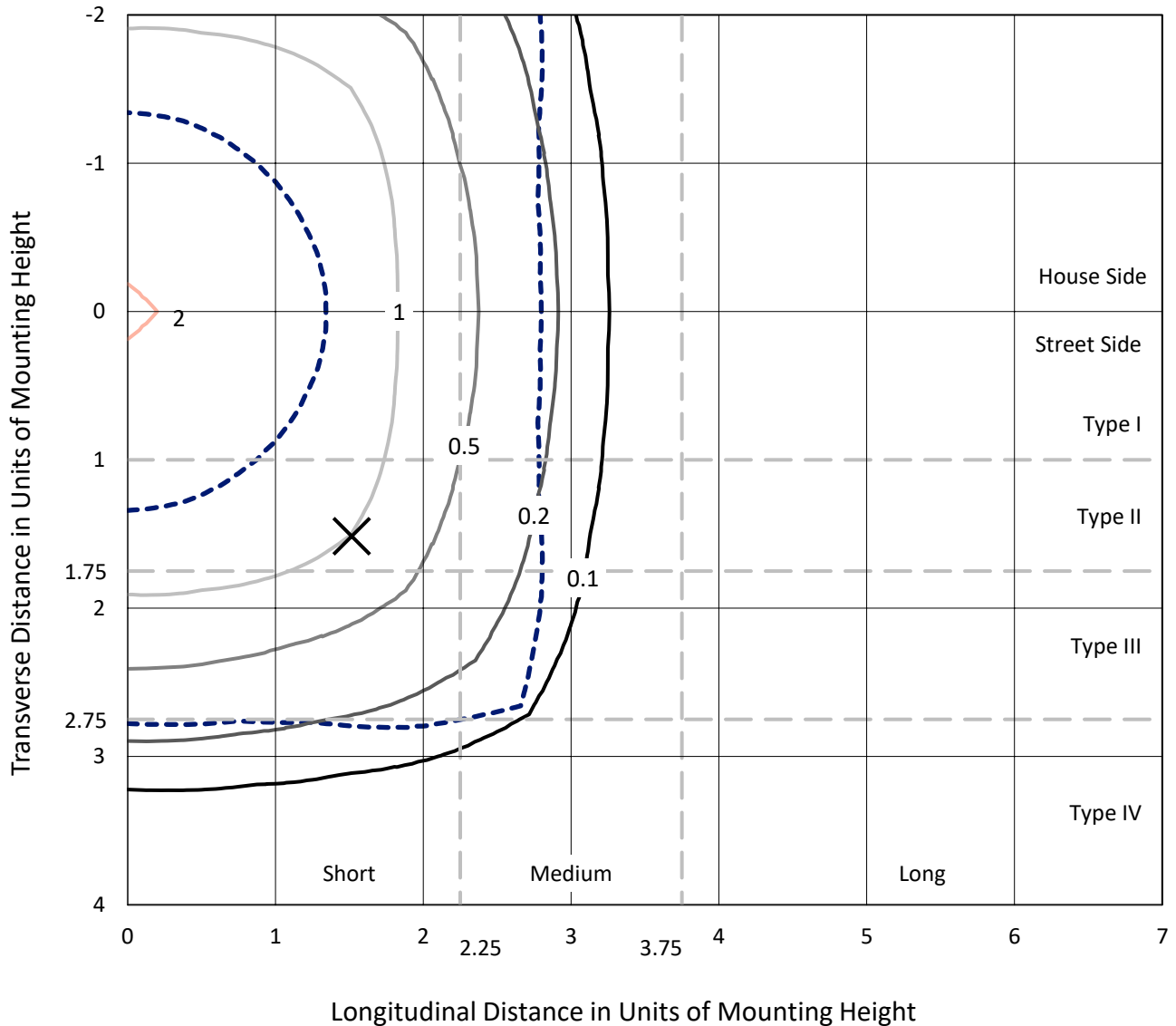
Lumens per Lamp: N/A  
Luminaire Lumens: 11218.9 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

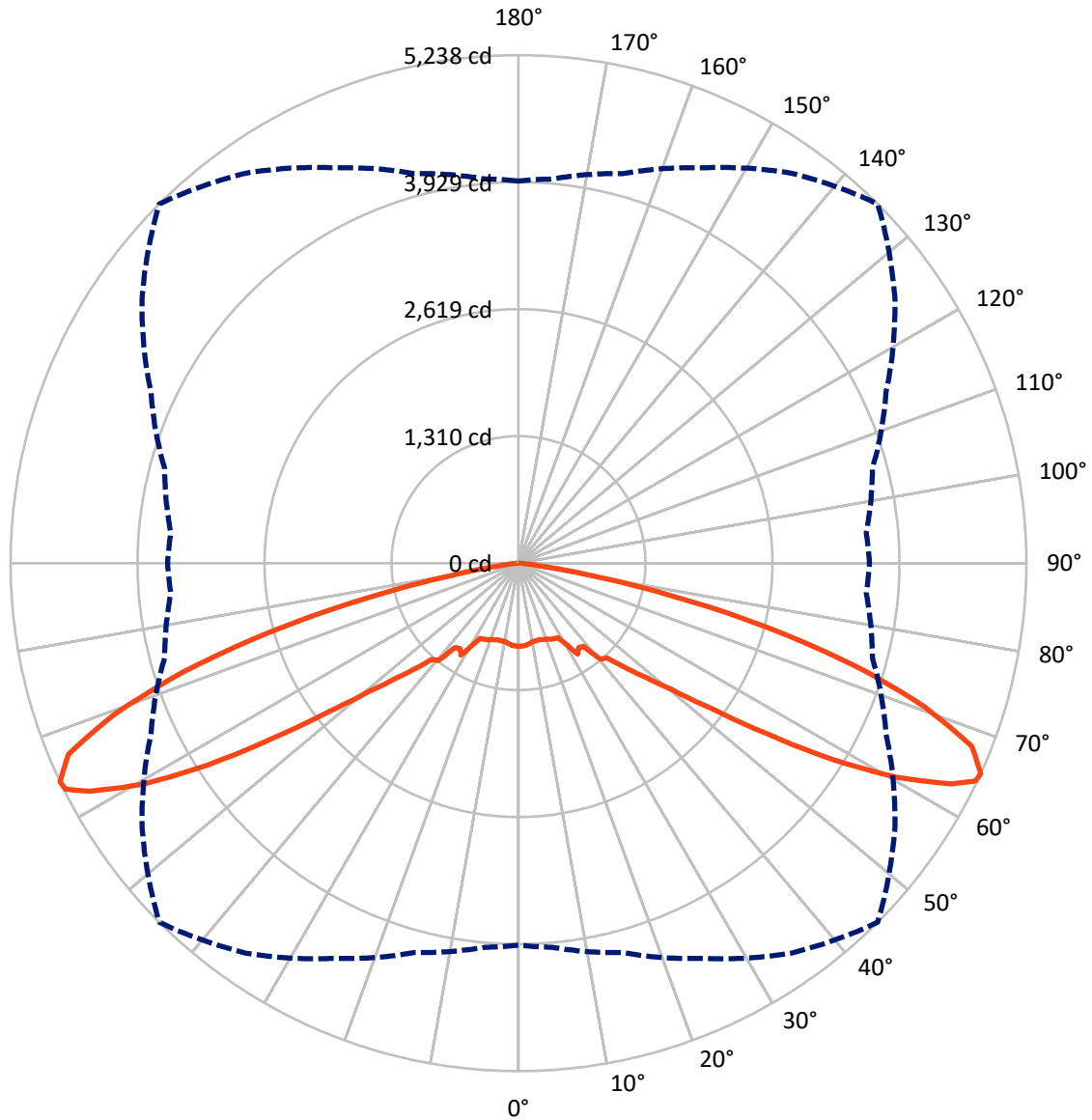
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 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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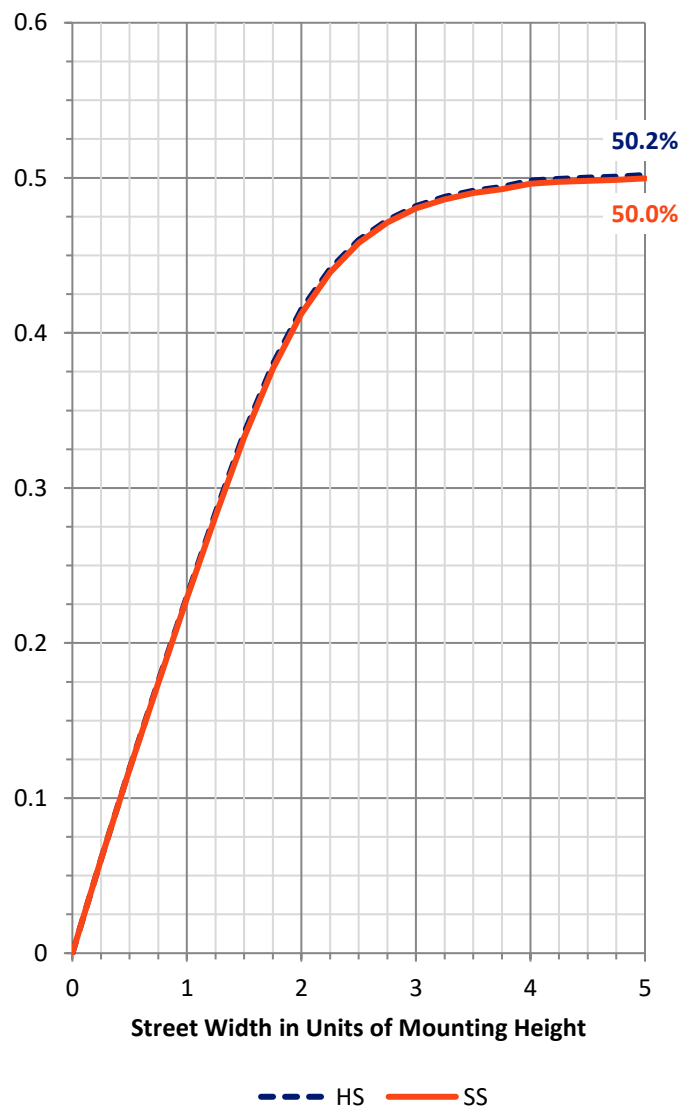
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5609.4	0.0	5609.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5609.4	0.0	5609.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11218.9	0.0	11218.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.5	0.7
10°-20°	236.4	2.1
20°-30°	409.3	3.6
30°-40°	680.5	6.1
40°-50°	1227.8	10.9
50°-60°	2735.1	24.4
60°-70°	4076.2	36.3
70°-80°	1689.2	15.1
80°-90°	83.7	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°	11218.9	100.0
0°-180°	11218.9	100.0

**Coefficient of Utilization**



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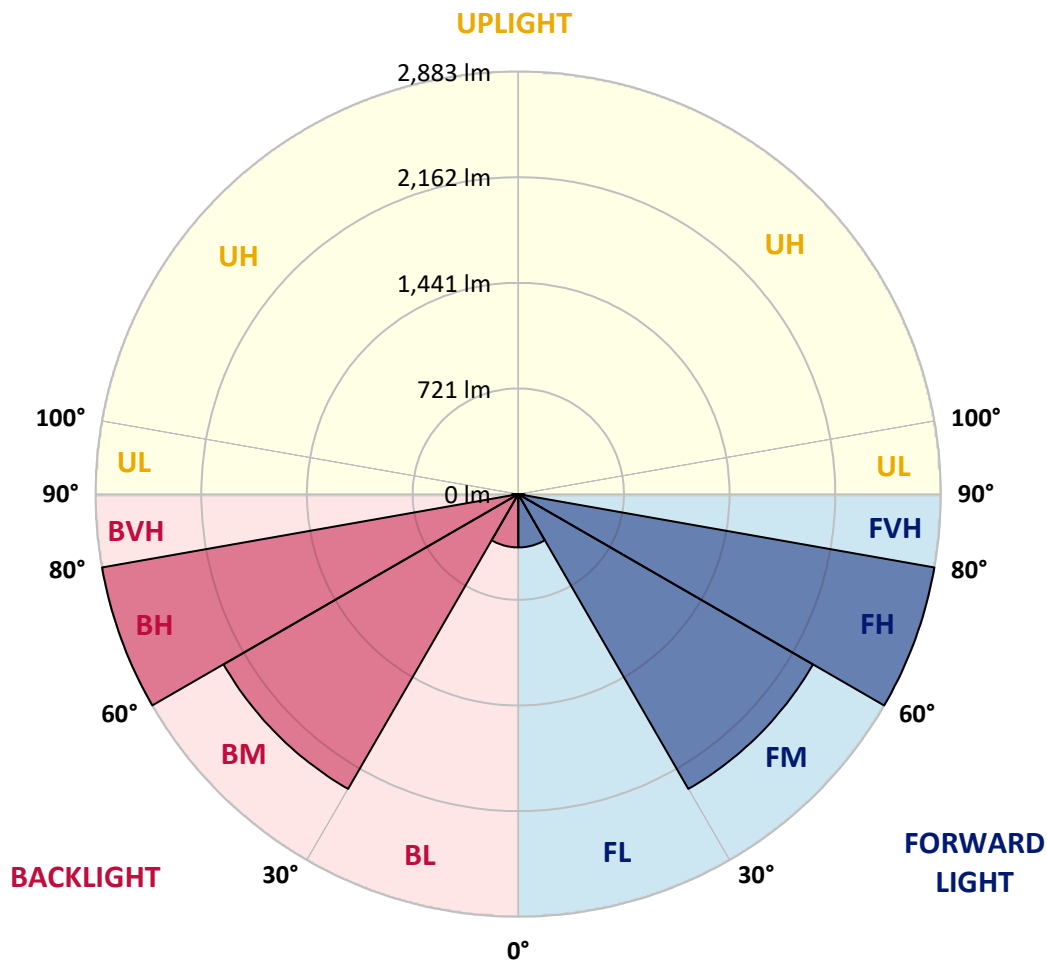
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.1	3.2			
FM (30°-60°)	2321.7	20.7			
FH (60°-80°)	2882.7	25.7			G2/5000
FVH (80°-90°)	41.8	0.4			G1/100
BL (0°-30°)	363.1	3.2	B1/500		
BM (30°-60°)	2321.7	20.7	B2/2500		
BH (60°-80°)	2882.7	25.7	B4/5000		G2/5000
BVH (80°-90°)	41.8	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°	857.8	857.8	857.8	857.8	857.8	857.8	857.8	857.8	857.8	857.8	857.8
2.5°	847.8	850.3	849.1	849.1	852.8	855.3	856.5	868.9	863.9	867.7	863.9
5°	850.3	850.3	852.8	850.3	852.8	850.3	852.8	849.1	852.8	855.3	859.0
7.5°	845.4	842.9	839.2	839.2	837.9	835.4	831.7	841.6	836.7	840.4	846.6
10°	846.6	842.9	830.5	833.0	821.8	821.8	824.3	824.3	835.4	847.8	851.6
12.5°	846.6	839.2	835.4	819.3	819.3	820.6	826.8	829.2	836.7	841.6	854.0
15°	846.6	842.9	836.7	815.6	820.6	818.1	824.3	824.3	840.4	849.1	855.3
17.5°	851.6	854.0	842.9	823.0	824.3	829.2	825.5	829.2	849.1	855.3	863.9
20°	852.8	842.9	839.2	826.8	837.9	835.4	834.2	841.6	847.8	859.0	868.9
22.5°	850.3	854.0	839.2	837.9	847.8	852.8	855.3	846.6	854.0	861.5	870.1
25°	871.4	857.8	854.0	851.6	856.5	861.5	859.0	866.4	866.4	875.1	886.3
27.5°	928.4	929.6	922.2	892.5	882.5	871.4	876.3	896.2	919.7	938.3	942.0
30°	954.4	959.4	979.2	974.3	970.5	974.3	973.0	978.0	980.5	981.7	978.0
32.5°	978.0	975.5	966.8	989.1	1062.3	1118.1	1064.8	991.6	975.5	970.5	975.5
35°	1063.5	1063.5	1044.9	1016.4	1054.8	1068.5	1043.7	1009.0	1028.8	1069.7	1072.2
37.5°	1173.8	1157.7	1165.2	1161.4	1119.3	1089.5	1132.9	1155.2	1159.0	1157.7	1170.1
40°	1239.5	1228.4	1217.2	1237.0	1275.5	1302.7	1264.3	1211.0	1224.6	1251.9	1240.8
42.5°	1389.5	1361.0	1363.5	1343.6	1342.4	1333.7	1325.1	1328.8	1348.6	1379.6	1384.5
45°	1543.2	1556.8	1548.2	1511.0	1528.3	1528.3	1503.5	1522.1	1532.1	1568.0	1573.0
47.5°	1783.7	1777.5	1781.2	1747.7	1746.5	1755.2	1746.5	1747.7	1778.7	1776.2	1762.6
50°	2065.0	2082.4	2087.4	2071.2	2051.4	2047.7	2034.1	2051.4	2070.0	2071.2	2060.1
52.5°	2454.3	2472.8	2472.8	2477.8	2502.6	2490.2	2487.7	2489.0	2453.0	2428.2	2440.6
55°	2945.1	2951.3	2972.4	3015.8	3091.4	3101.3	3054.2	3033.1	2967.4	2927.8	2958.7
57.5°	3429.8	3454.6	3512.8	3625.6	3718.6	3820.2	3683.9	3545.0	3416.1	3352.9	3364.1
60°	3832.6	3868.6	3980.1	4137.5	4395.4	4488.3	4257.8	4019.8	3758.2	3564.9	3643.0
62.5°	4022.3	4078.0	4172.2	4490.8	4877.5	5011.4	4673.0	4240.4	3843.8	3657.8	3654.1
64°	4023.5	4032.2	4220.6	4563.9	4961.8	5220.9	4773.4	4240.4	3864.8	3635.5	3677.7
65°	3940.4	3976.4	4158.6	4497.0	4908.5	5238.2	4738.7	4182.2	3778.1	3599.6	3619.4
67.5°	3563.6	3562.4	3731.0	4066.9	4638.3	5041.1	4443.7	3856.2	3563.6	3370.3	3393.8
70°	2703.4	2746.8	2907.9	3320.7	4013.6	4444.9	3885.9	3277.3	2912.9	2757.9	2749.3
72.5°	1617.6	1674.6	1880.4	2383.6	3117.4	3641.7	3083.9	2424.5	1985.7	1740.3	1746.5
75°	737.5	779.7	921.0	1331.2	2077.4	2662.5	2089.8	1401.9	1005.3	849.1	826.8
77.5°	207.0	233.0	311.1	611.1	1140.4	1596.5	1172.6	675.5	438.8	364.4	357.0
80°	93.0	97.9	110.3	148.7	361.9	704.0	484.7	247.9	164.9	136.3	130.1
82.5°	50.8	54.5	71.9	76.9	102.9	187.2	159.9	116.5	99.2	79.3	76.9
85°	28.5	29.7	40.9	40.9	49.6	54.5	58.3	62.0	60.7	44.6	43.4
87.5°	8.7	9.9	12.4	12.4	12.4	12.4	19.8	27.3	29.7	21.1	21.1
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)