

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: P479560

Luminaire Tested: **IFLD-S-SA3A-722-U-5WQ**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P479560  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-722-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

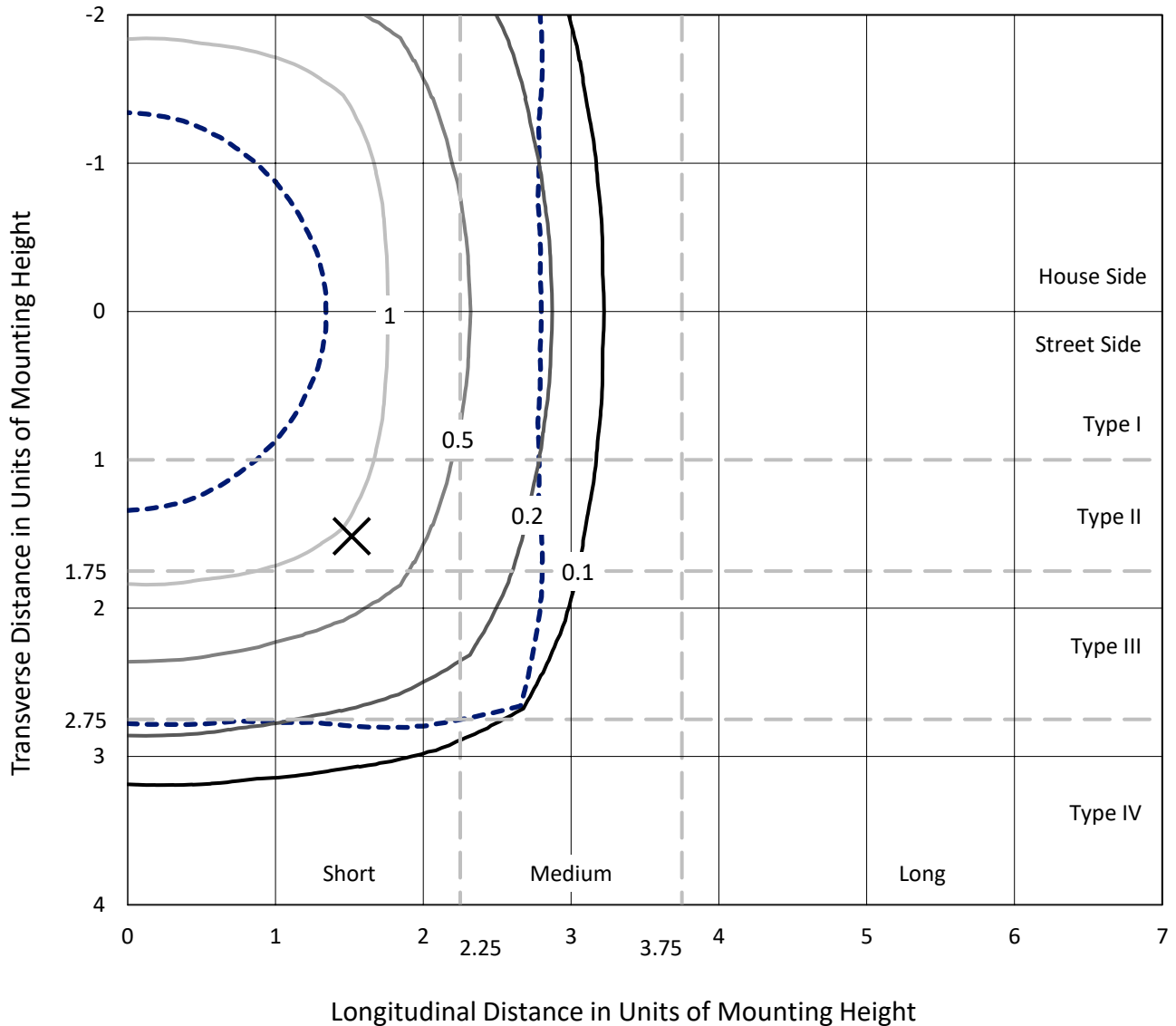
Lumens per Lamp: N/A  
Luminaire Lumens: 10400 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

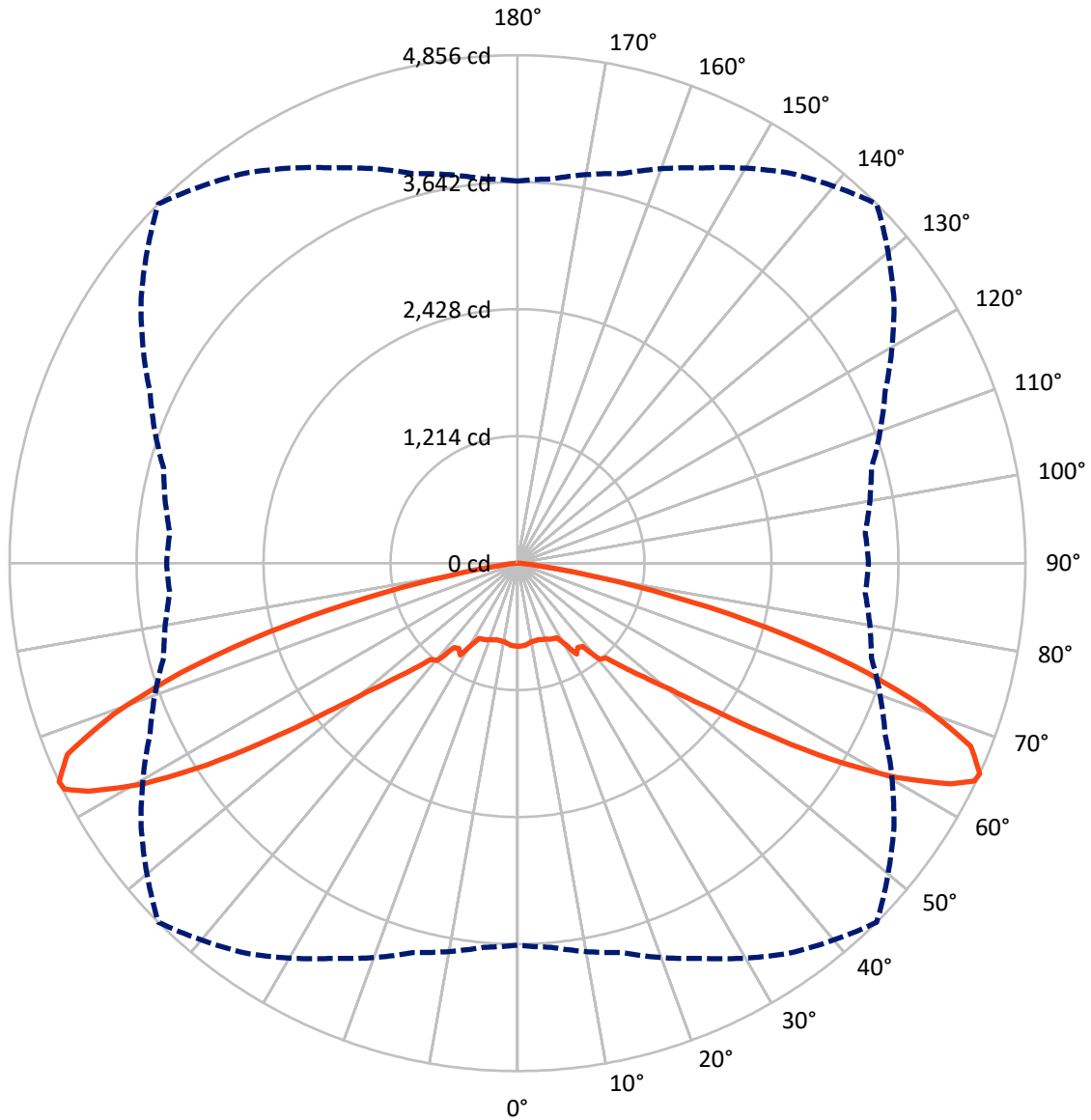
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2 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	5200.0	0.0	5200.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5200.0	0.0	5200.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10400.0	0.0	10400.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	0.7
10°-20°	219.2	2.1
20°-30°	379.4	3.6
30°-40°	630.9	6.1
40°-50°	1138.2	10.9
50°-60°	2535.5	24.4
60°-70°	3778.7	36.3
70°-80°	1565.9	15.1
80°-90°	77.6	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°	10400.0	100.0
0°-180°	10400.0	100.0

**Coefficient of Utilization**



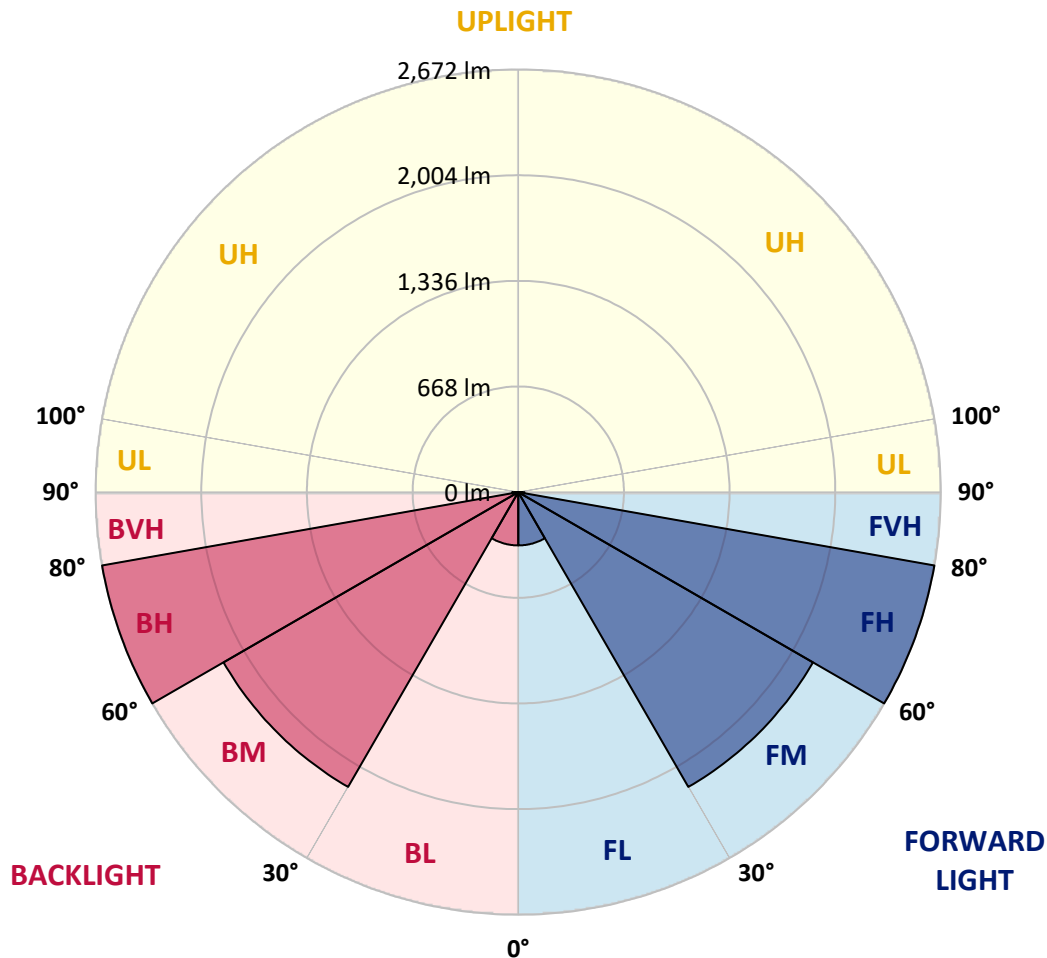
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.6	3.2			
FM (30°-60°)	2152.3	20.7			
FH (60°-80°)	2672.3	25.7			G2/5000
FVH (80°-90°)	38.8	0.4			G1/100
BL (0°-30°)	336.6	3.2	B1/500		
BM (30°-60°)	2152.3	20.7	B2/2500		
BH (60°-80°)	2672.3	25.7	B4/5000		G2/5000
BVH (80°-90°)	38.8	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°	795.1	795.1	795.1	795.1	795.1	795.1	795.1	795.1	795.1	795.1	795.1
2.5°	785.9	788.2	787.1	787.1	790.5	792.8	794.0	805.5	800.9	804.3	800.9
5°	788.2	788.2	790.5	788.2	790.5	788.2	790.5	787.1	790.5	792.8	796.3
7.5°	783.7	781.4	777.9	777.9	776.8	774.5	771.0	780.2	775.6	779.1	784.8
10°	784.8	781.4	769.9	772.2	761.8	761.8	764.1	764.1	774.5	785.9	789.4
12.5°	784.8	777.9	774.5	759.5	759.5	760.7	766.4	768.7	775.6	780.2	791.7
15°	784.8	781.4	775.6	756.1	760.7	758.4	764.1	764.1	779.1	787.1	792.8
17.5°	789.4	791.7	781.4	763.0	764.1	768.7	765.3	768.7	787.1	792.8	800.9
20°	790.5	781.4	777.9	766.4	776.8	774.5	773.3	780.2	785.9	796.3	805.5
22.5°	788.2	791.7	777.9	776.8	785.9	790.5	792.8	784.8	791.7	798.6	806.6
25°	807.8	795.1	791.7	789.4	794.0	798.6	796.3	803.2	803.2	811.2	821.6
27.5°	860.6	861.8	854.9	827.3	818.1	807.8	812.4	830.8	852.6	869.8	873.3
30°	884.8	889.4	907.7	903.2	899.7	903.2	902.0	906.6	908.9	910.0	906.6
32.5°	906.6	904.3	896.3	916.9	984.7	1036.4	987.0	919.2	904.3	899.7	904.3
35°	985.9	985.9	968.6	942.2	977.8	990.5	967.5	935.3	953.7	991.6	993.9
37.5°	1088.1	1073.2	1080.1	1076.7	1037.6	1010.0	1050.2	1070.9	1074.4	1073.2	1084.7
40°	1149.0	1138.7	1128.4	1146.7	1182.4	1207.6	1172.0	1122.6	1135.3	1160.5	1150.2
42.5°	1288.1	1261.7	1264.0	1245.6	1244.4	1236.4	1228.3	1231.8	1250.2	1278.9	1283.5
45°	1430.6	1443.2	1435.2	1400.7	1416.8	1416.8	1393.8	1411.0	1420.2	1453.5	1458.1
47.5°	1653.5	1647.7	1651.2	1620.2	1619.0	1627.1	1619.0	1620.2	1648.9	1646.6	1633.9
50°	1914.3	1930.4	1935.0	1920.1	1901.7	1898.2	1885.6	1901.7	1918.9	1920.1	1909.7
52.5°	2275.1	2292.3	2292.3	2296.9	2319.9	2308.4	2306.1	2307.3	2274.0	2251.0	2262.5
55°	2730.1	2735.9	2755.4	2795.6	2865.7	2874.9	2831.3	2811.7	2750.8	2714.0	2742.8
57.5°	3179.4	3202.4	3256.4	3361.0	3447.1	3541.4	3415.0	3286.3	3166.8	3108.2	3118.5
60°	3552.9	3586.2	3689.6	3835.5	4074.5	4160.7	3947.0	3726.4	3483.9	3304.7	3377.0
62.5°	3728.7	3780.4	3867.7	4163.0	4521.5	4645.6	4331.9	3930.9	3563.2	3390.8	3387.4
64°	3729.8	3737.9	3912.5	4230.8	4599.6	4839.8	4425.0	3930.9	3582.7	3370.2	3409.2
65°	3652.8	3686.1	3855.1	4168.7	4550.2	4855.9	4392.8	3876.9	3502.3	3336.8	3355.2
67.5°	3303.5	3302.4	3458.6	3770.0	4299.7	4673.2	4119.3	3574.7	3303.5	3124.3	3146.1
70°	2506.1	2546.3	2695.7	3078.3	3720.6	4120.5	3602.3	3038.1	2700.3	2556.6	2548.6
72.5°	1499.5	1552.4	1743.1	2209.6	2889.9	3375.9	2858.8	2247.5	1840.8	1613.3	1619.0
75°	683.7	722.8	853.7	1234.1	1925.8	2468.2	1937.3	1299.6	931.9	787.1	766.4
77.5°	191.9	216.0	288.4	566.5	1057.1	1480.0	1087.0	626.2	406.8	337.8	330.9
80°	86.2	90.8	102.3	137.9	335.5	652.7	449.3	229.8	152.8	126.4	120.6
82.5°	47.1	50.6	66.6	71.2	95.4	173.5	148.2	108.0	91.9	73.5	71.2
85°	26.4	27.6	37.9	37.9	46.0	50.6	54.0	57.5	56.3	41.4	40.2
87.5°	8.0	9.2	11.5	11.5	11.5	11.5	18.4	25.3	27.6	19.5	19.5
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)