

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: P565310

Luminaire Tested: **IFLD-S-SA3A-AMB-U-5MQ**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565310  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-AMB-U-5MQ  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ 5MQ distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

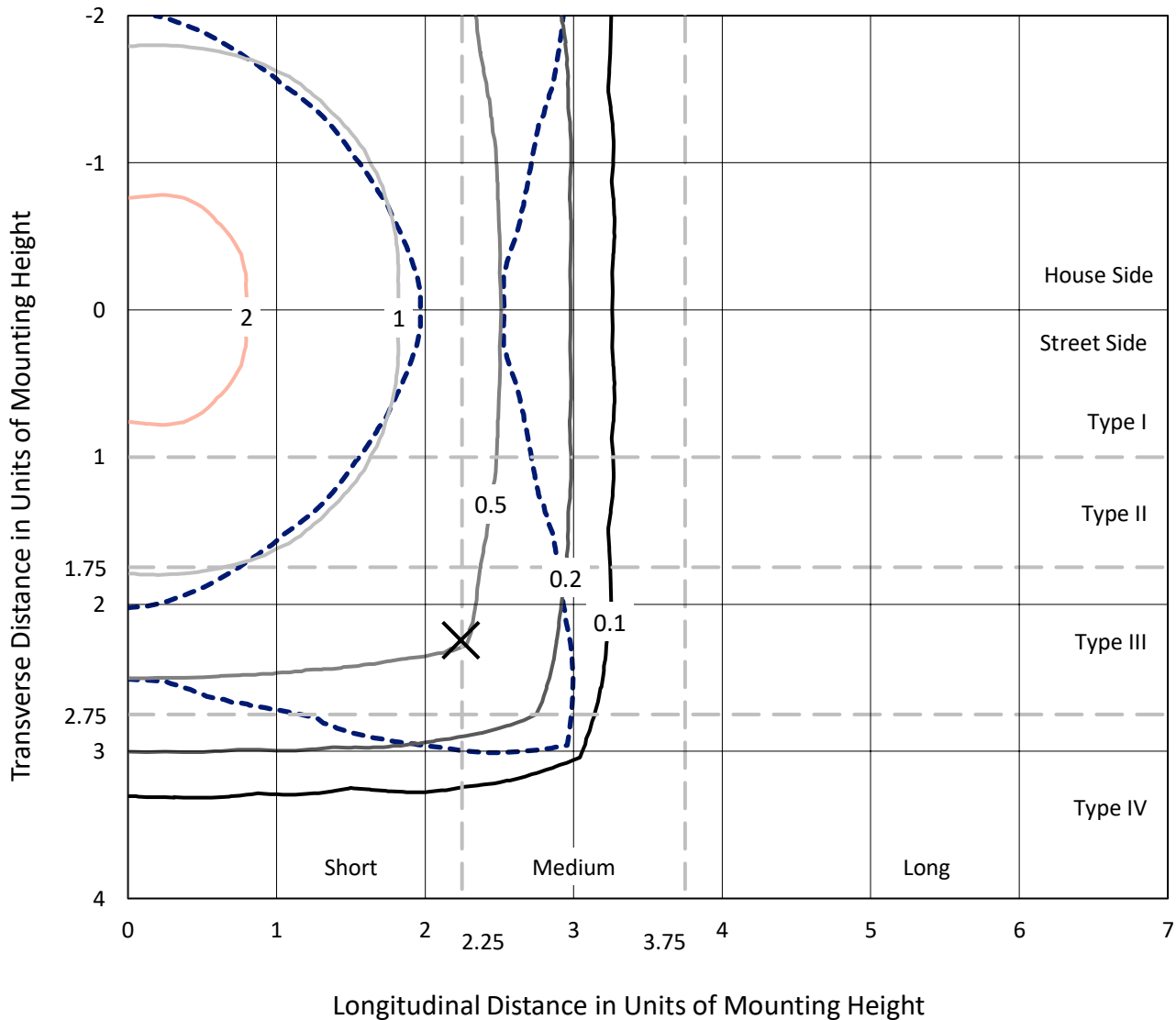
Lumens per Lamp: N/A  
Luminaire Lumens: 3301.5 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 61.2  
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

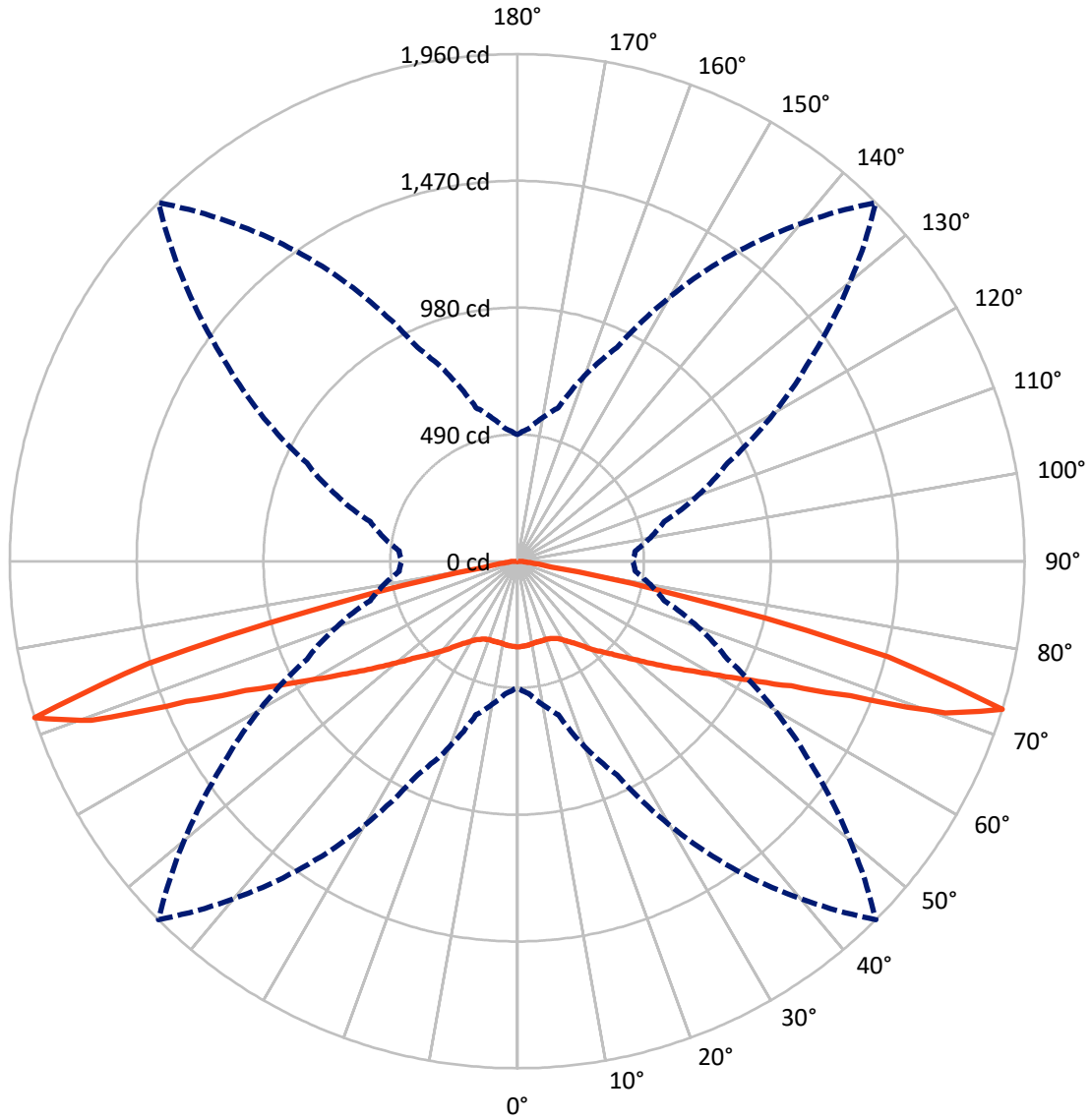
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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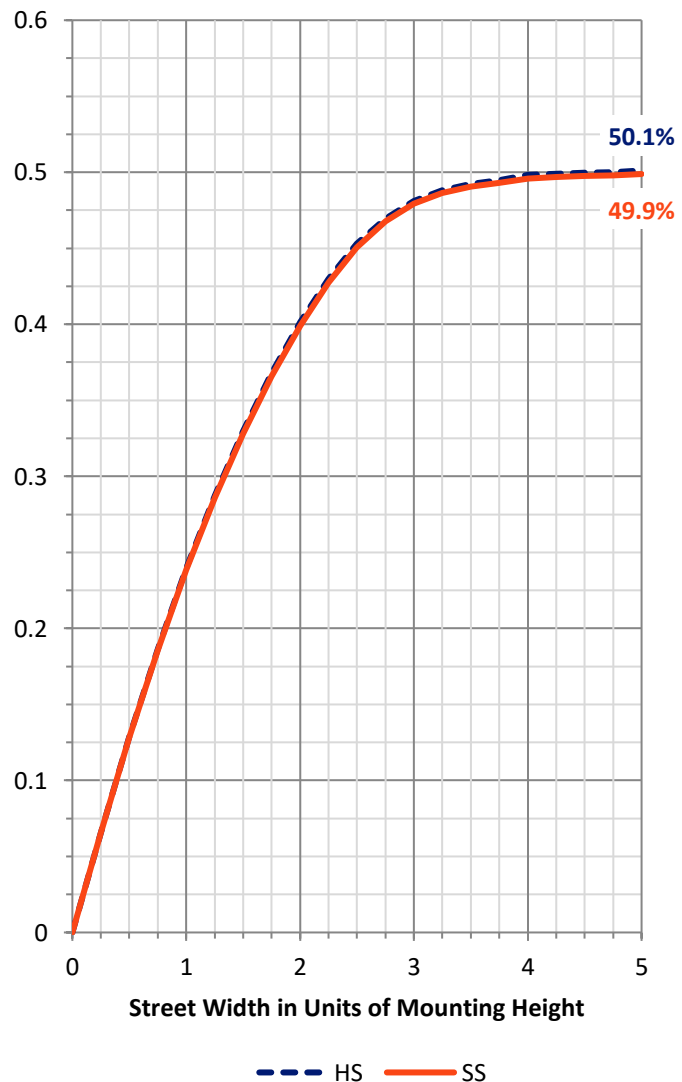
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1650.8	0.0	1650.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1650.8	0.0	1650.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3301.5	0.0	3301.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	0.9
10°-20°	90.5	2.7
20°-30°	151.5	4.6
30°-40°	246.6	7.5
40°-50°	403.4	12.2
50°-60°	663.2	20.1
60°-70°	1078.4	32.7
70°-80°	609.7	18.5
80°-90°	27.0	0.8
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°	3301.5	100.0
0°-180°	3301.5	100.0

**Coefficient of Utilization**

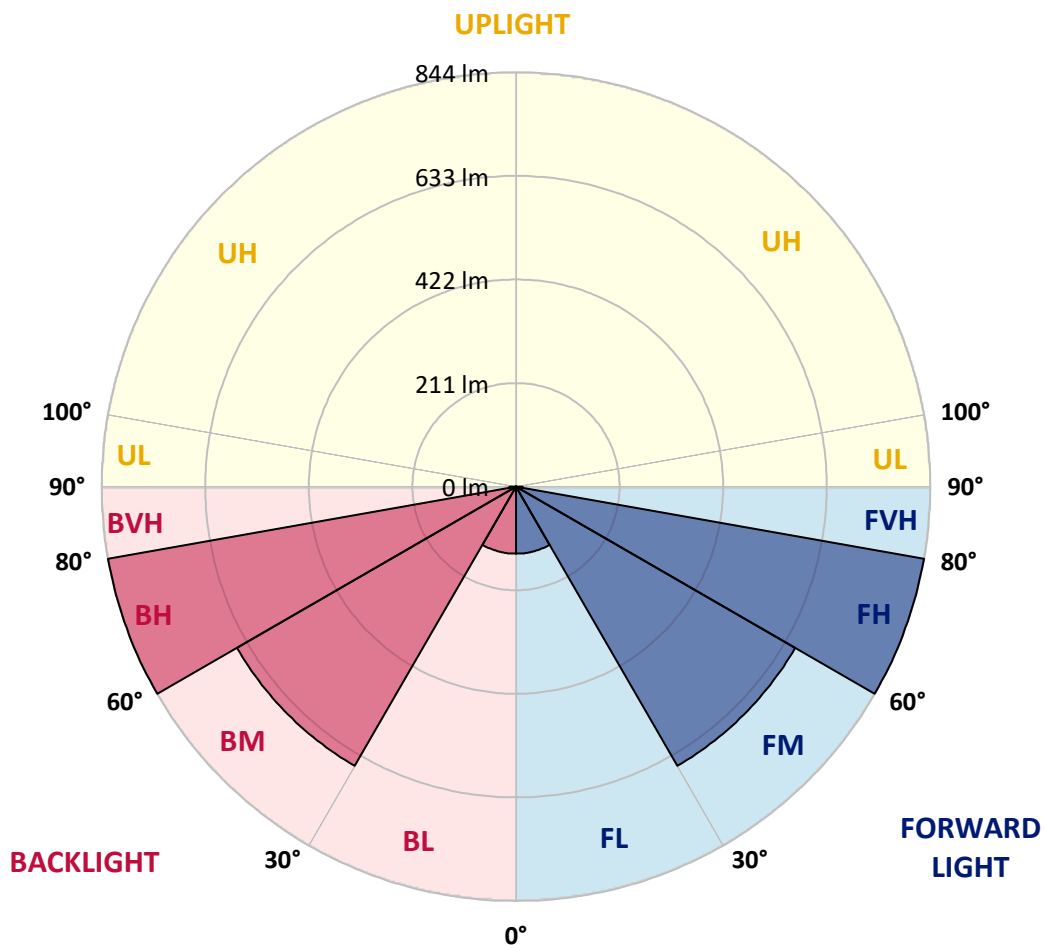


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.6	4.1			
FM (30°-60°)	656.6	19.9			
FH (60°-80°)	844.0	25.6			G1/1800
FVH (80°-90°)	13.5	0.4			G1/100
BL (0°-30°)	136.6	4.1	B1/500		
BM (30°-60°)	656.6	19.9	B1/1000		
BH (60°-80°)	844.0	25.6	B2/1000		G1/1800
BVH (80°-90°)	13.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7
2.5°	328.5	328.5	328.5	328.5	328.5	330.1	330.1	331.7	331.7	333.3	333.3
5°	328.5	328.5	328.5	328.5	328.5	328.5	330.1	330.1	330.1	330.1	331.7
7.5°	327.0	327.0	327.0	327.0	325.4	327.0	327.0	327.0	328.5	328.5	328.5
10°	322.2	322.2	322.2	322.2	322.2	323.8	323.8	323.8	323.8	325.4	325.4
12.5°	319.1	319.1	319.1	320.6	320.6	322.2	322.2	320.6	320.6	320.6	320.6
15°	317.5	315.9	317.5	319.1	320.6	322.2	322.2	319.1	319.1	317.5	317.5
17.5°	315.9	314.3	315.9	317.5	320.6	322.2	320.6	317.5	317.5	315.9	315.9
20°	312.7	312.7	314.3	317.5	320.6	322.2	322.2	317.5	315.9	314.3	314.3
22.5°	312.7	312.7	315.9	320.6	323.8	325.4	323.8	319.1	315.9	312.7	312.7
25°	315.9	315.9	320.6	325.4	330.1	331.7	328.5	323.8	320.6	315.9	314.3
27.5°	325.4	323.8	328.5	334.9	338.0	339.6	338.0	331.7	327.0	322.2	322.2
30°	341.2	339.6	344.3	350.6	353.8	353.8	350.6	345.9	341.2	336.4	336.4
32.5°	360.1	360.1	364.9	369.6	372.8	371.2	369.6	368.0	364.9	360.1	361.7
35°	375.9	377.5	385.4	391.7	394.9	391.7	391.7	391.7	388.6	383.8	382.2
37.5°	398.0	399.6	407.5	417.0	421.7	418.6	420.1	415.4	409.1	404.3	404.3
40°	429.6	429.6	439.1	447.0	451.7	448.6	450.2	447.0	442.3	437.5	439.1
42.5°	461.2	462.8	472.3	481.7	481.7	478.6	480.2	481.7	478.6	472.3	470.7
45°	499.1	500.7	511.8	519.7	516.5	511.8	516.5	524.4	518.1	511.8	513.3
47.5°	540.2	541.8	554.4	562.3	560.7	552.8	562.3	568.6	563.9	552.8	551.2
50°	584.4	586.0	603.4	612.8	614.4	601.8	614.4	623.9	614.4	600.2	598.6
52.5°	635.0	641.3	658.6	672.9	669.7	658.6	671.3	683.9	676.0	660.2	657.1
55°	698.1	701.3	721.8	739.2	740.8	726.6	742.4	753.4	742.4	721.8	718.7
57.5°	762.9	772.4	791.3	811.9	819.8	800.8	822.9	829.2	808.7	783.4	781.8
60°	829.2	838.7	862.4	894.0	908.2	897.1	911.4	905.0	875.0	845.0	841.9
62.5°	935.1	938.2	958.7	988.8	1012.5	1010.9	1015.6	998.2	977.7	954.0	957.2
65°	1018.8	1020.3	1063.0	1105.6	1151.4	1162.5	1148.3	1130.9	1102.5	1042.5	1044.0
67.5°	1018.8	1029.8	1104.1	1217.8	1329.9	1388.4	1334.7	1244.6	1134.1	1042.5	1045.6
70°	878.2	875.0	993.5	1198.8	1513.1	1756.4	1500.5	1220.9	988.8	857.7	857.7
72.5°	489.6	513.3	614.4	911.4	1446.8	1960.1	1399.4	897.1	587.6	458.1	447.0
75°	180.1	184.8	227.4	388.6	876.6	1480.0	841.9	358.5	192.7	159.5	159.5
77.5°	74.2	72.7	77.4	97.9	263.8	665.0	233.8	105.8	83.7	83.7	85.3
80°	42.6	44.2	47.4	50.5	63.2	135.8	77.4	61.6	56.9	55.3	56.9
82.5°	19.0	22.1	30.0	33.2	37.9	49.0	50.5	45.8	39.5	33.2	31.6
85°	9.5	7.9	14.2	17.4	22.1	26.9	30.0	31.6	28.4	17.4	17.4
87.5°	1.6	1.6	3.2	3.2	4.7	6.3	11.1	12.6	12.6	6.3	6.3
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)