

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: P853458

Luminaire Tested: **CRTK-N-50-730-U-T5R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-730-U-T5R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5952 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

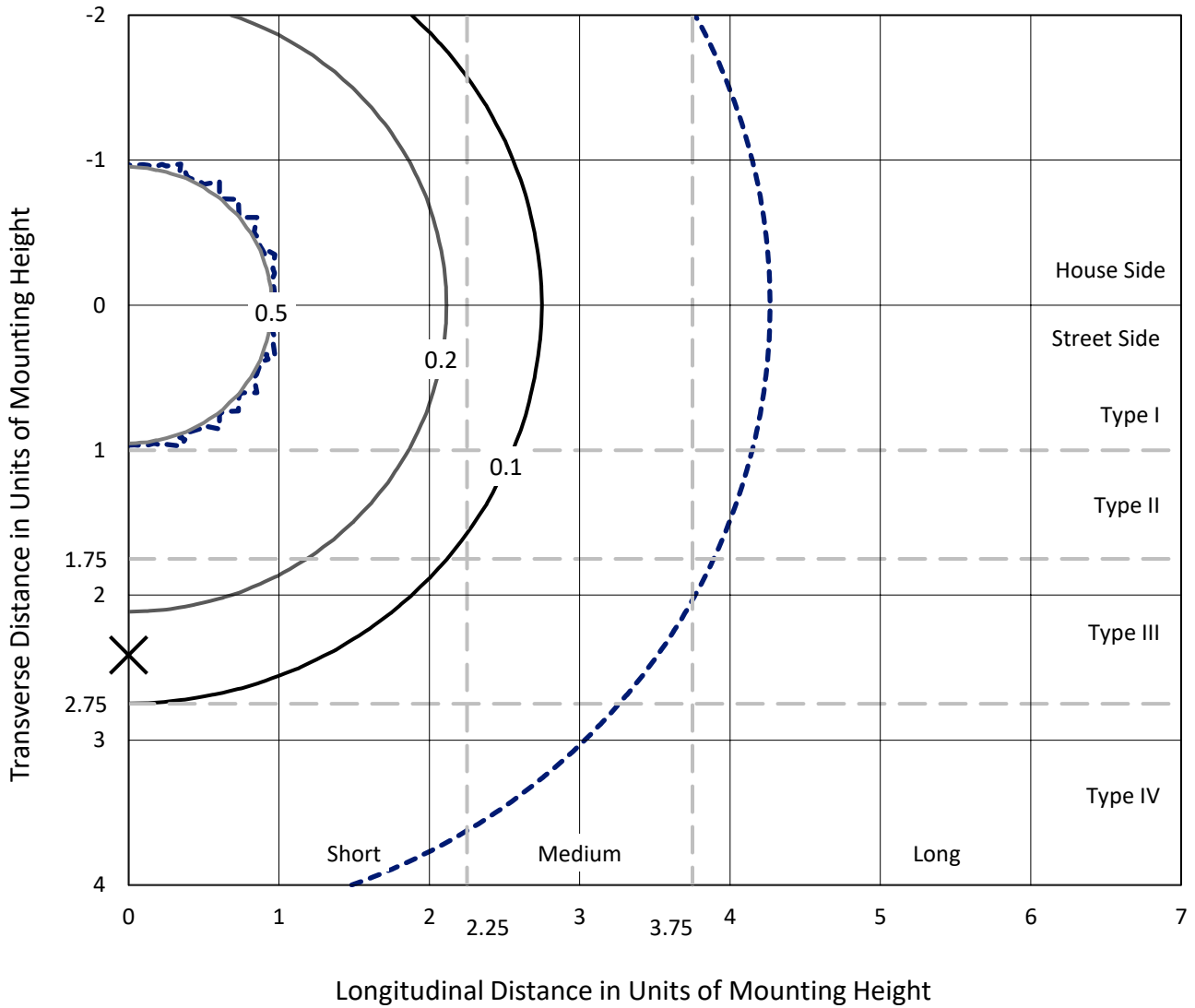
Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

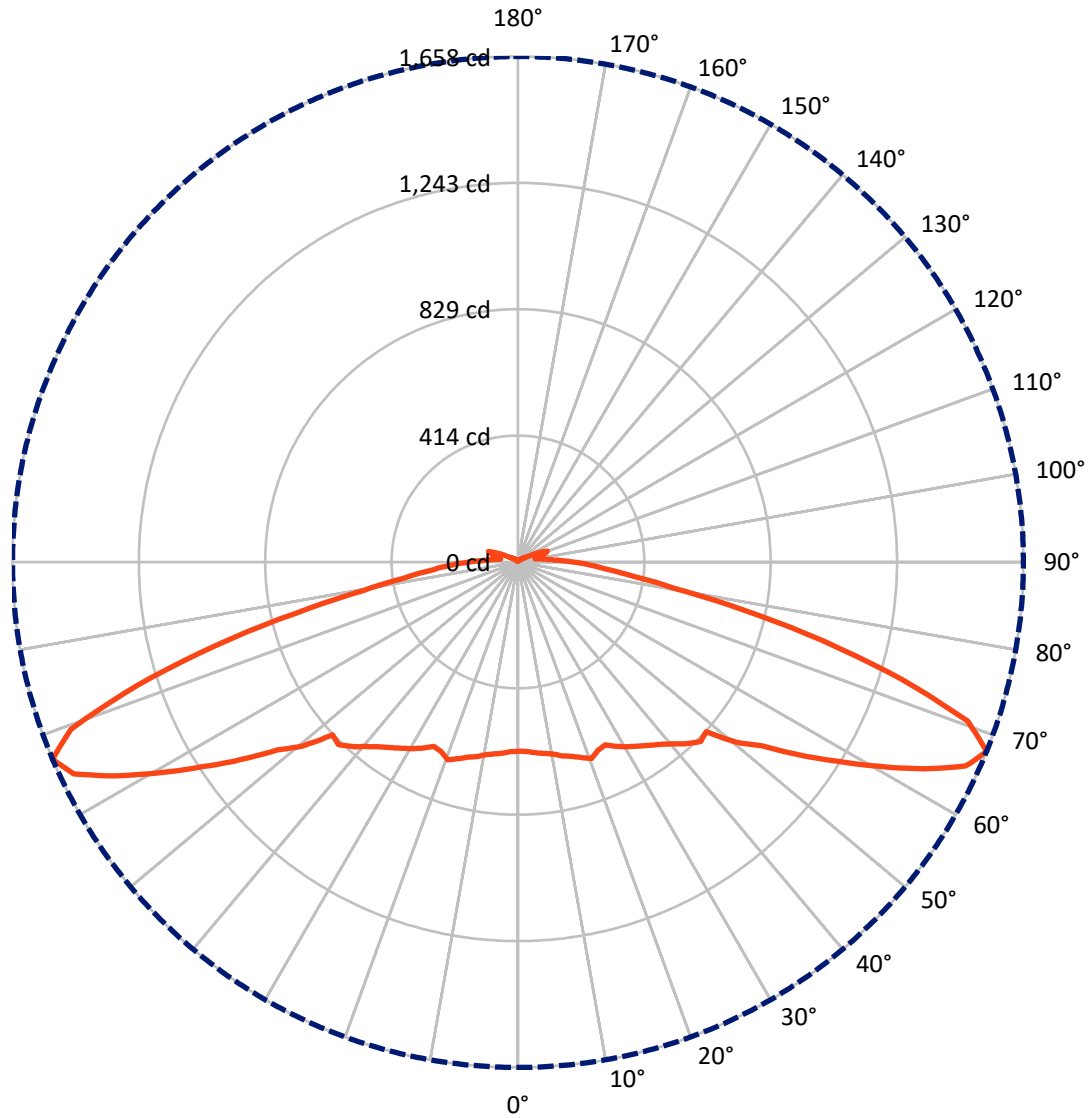
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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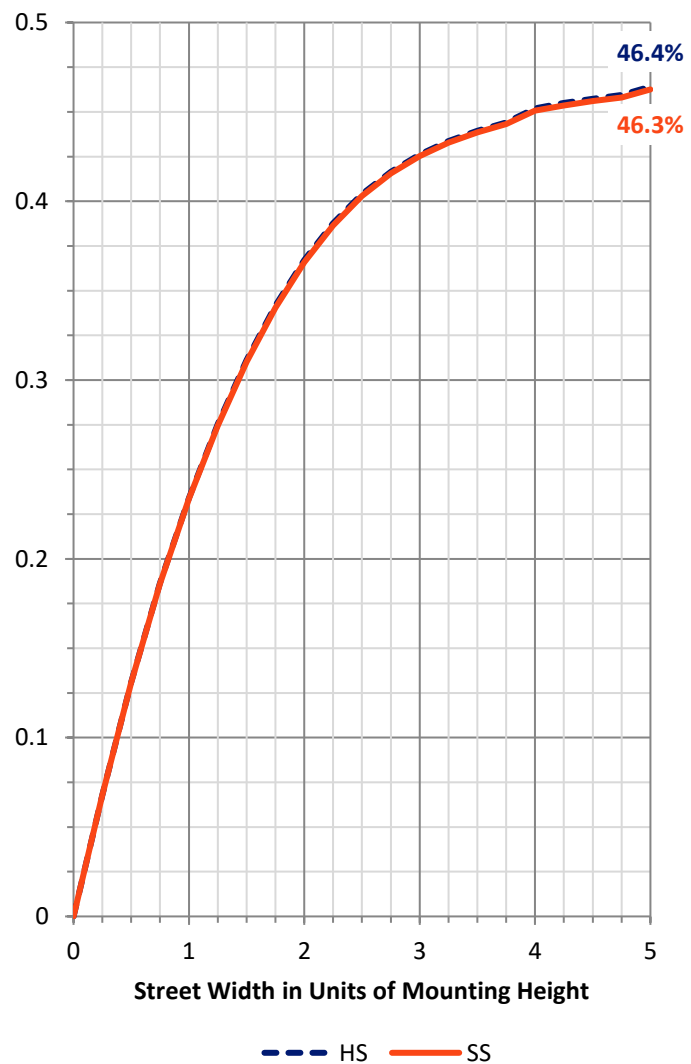
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2831.5	144.5	2976.0
	% Fixture	47.6	2.4	50.0
Street Side	Lumens	2831.5	144.5	2976.0
	% Fixture	47.6	2.4	50.0
Total	Lumens	5663.0	289.0	5952.0
	% Fixture	95.1	4.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	1.0
10°-20°	188.6	3.2
20°-30°	314.5	5.3
30°-40°	466.0	7.8
40°-50°	648.1	10.9
50°-60°	1012.0	17.0
60°-70°	1547.1	26.0
70°-80°	1090.6	18.3
80°-90°	335.7	5.6
90°-100°	108.2	1.8
100°-110°	80.7	1.4
110°-120°	63.9	1.1
120°-130°	20.0	0.3
130°-140°	9.2	0.2
140°-150°	4.2	0.1
150°-160°	2.1	0.0
160°-170°	0.7	0.0
170°-180°	0.0	0.0
0°-90°	5663.0	95.1
0°-180°	5952.0	100.0

Coefficient of Utilization



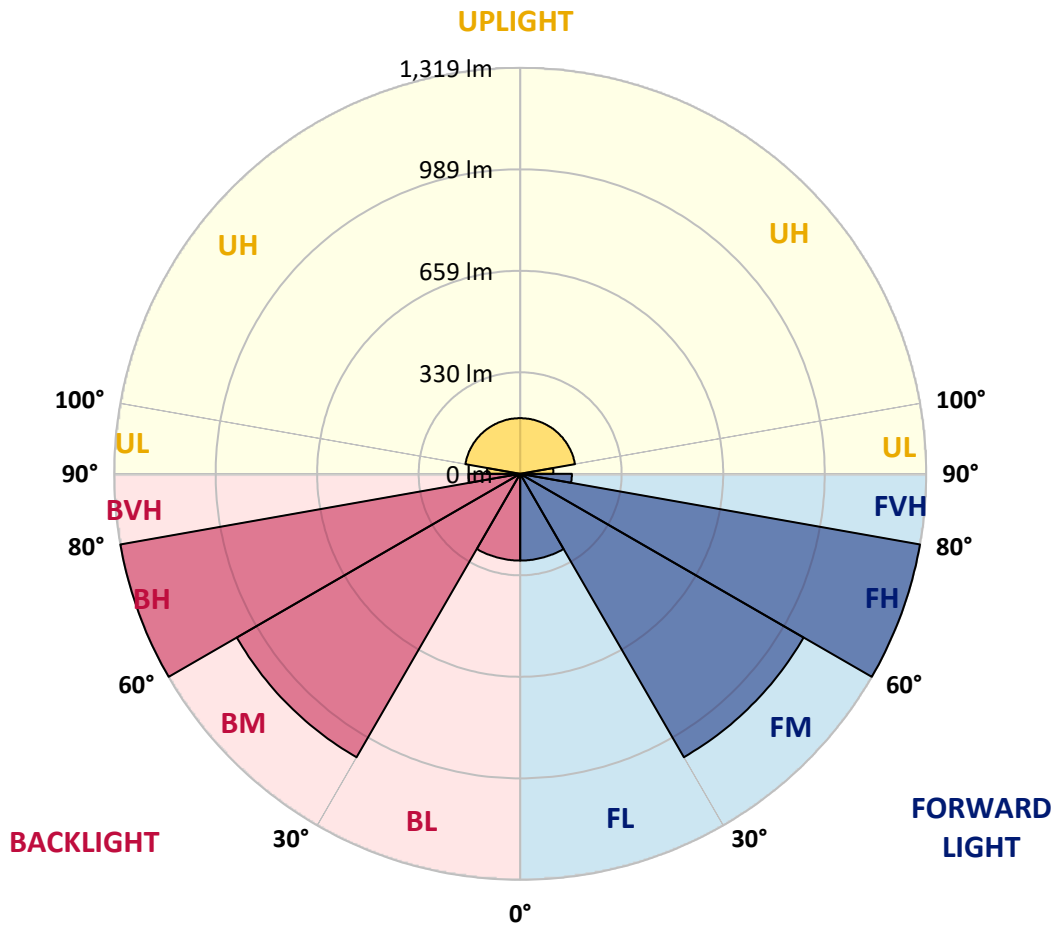
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.7	4.7			
FM (30°-60°)	1063.1	17.9			
FH (60°-80°)	1318.8	22.2			G1/1800
FVH (80°-90°)	167.9	2.8			G2/225
BL (0°-30°)	281.7	4.7	B1/500		
BM (30°-60°)	1063.1	17.9	B2/2500		
BH (60°-80°)	1318.8	22.2	B3/2500		G1/1800
BVH (80°-90°)	167.9	2.8			G2/225
UL (90°-100°)	108.2	1.8		U3/500	
UH (100°-180°)	180.8	3.0		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	620.5
2.5°	622.2
5°	628.9
7.5°	634.0
10°	640.7
12.5°	652.5
15°	661.0
17.5°	674.5
20°	687.9
22.5°	671.1
25°	664.3
27.5°	684.6
30°	703.1
32.5°	720.0
35°	738.5
37.5°	758.8
40°	784.0
42.5°	814.4
45°	839.7
47.5°	831.3
50°	929.1
52.5°	1001.6
55°	1116.2
57.5°	1232.6
60°	1360.7
62.5°	1493.9
65°	1613.6
67.5°	1657.5
70°	1564.7
72.5°	1315.2
75°	1033.6
77.5°	750.3
80°	516.0
82.5°	376.0
85°	286.6
87.5°	227.6
90°	168.6
92.5°	119.7
95°	92.7
97.5°	70.8
100°	57.3
102.5°	59.0
105°	72.5
107.5°	94.4
110°	102.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	82.6
115°	64.1
117.5°	42.2
120°	30.4
122.5°	25.3
125°	21.9
127.5°	18.5
130°	15.2
132.5°	13.5
135°	11.8
137.5°	10.1
140°	8.4
142.5°	6.7
145°	6.7
147.5°	6.7
150°	5.1
152.5°	5.1
155°	5.1
157.5°	3.4
160°	3.4
162.5°	3.4
165°	3.4
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)