

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: P853459

Luminaire Tested: **CRTK-N-50-730-U-T5R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-17)
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-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

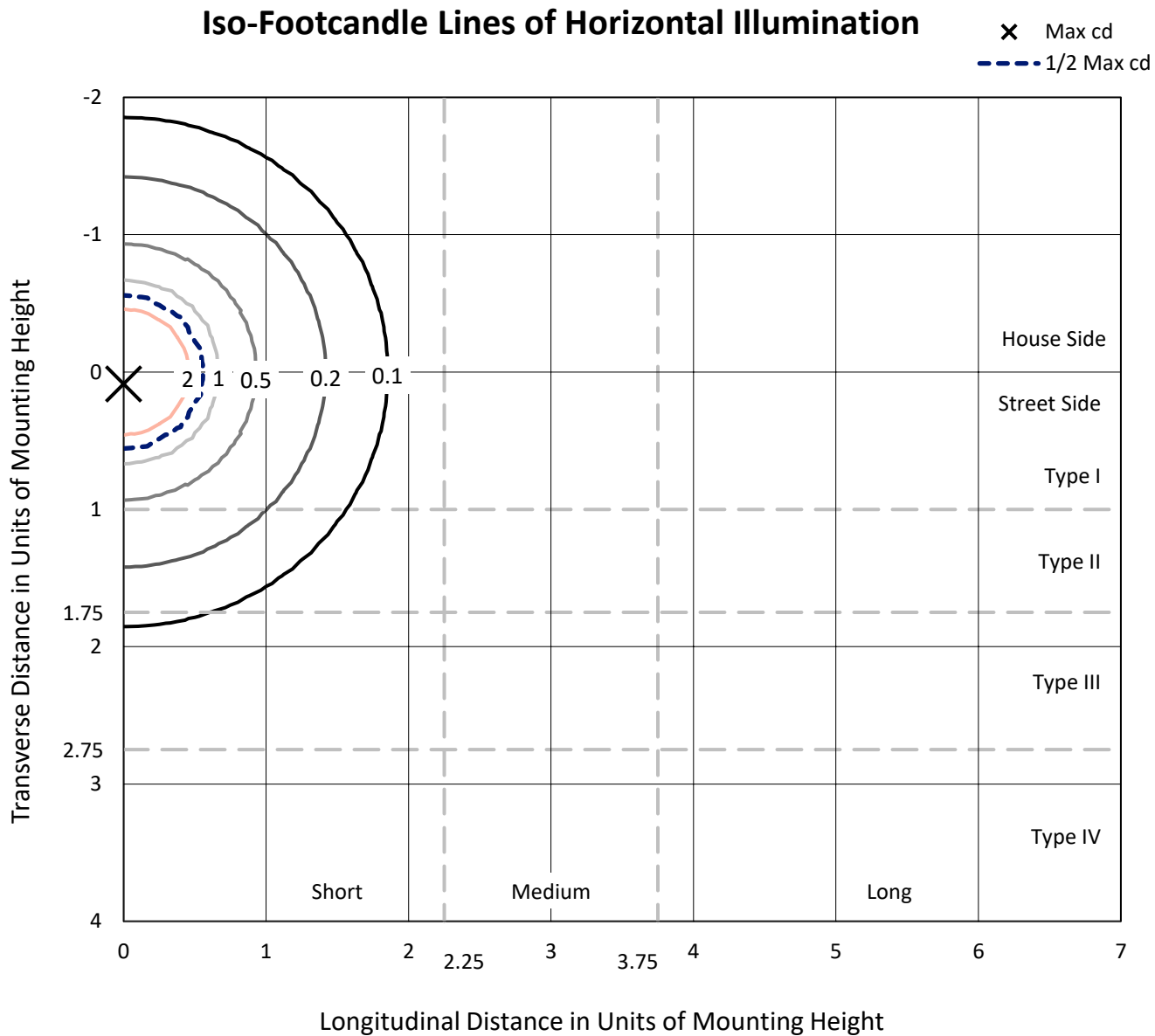
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5263.9 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U4 - 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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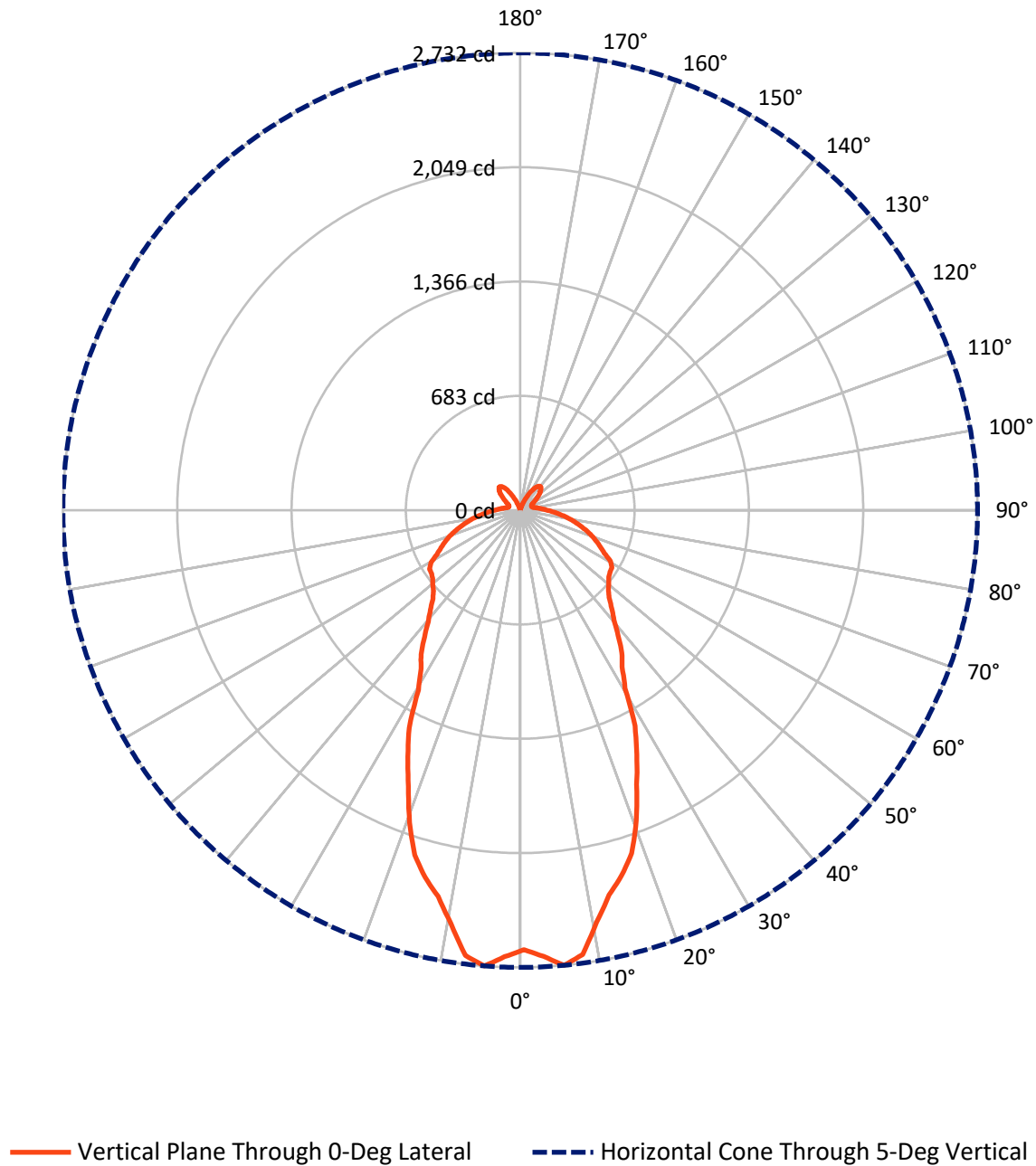


Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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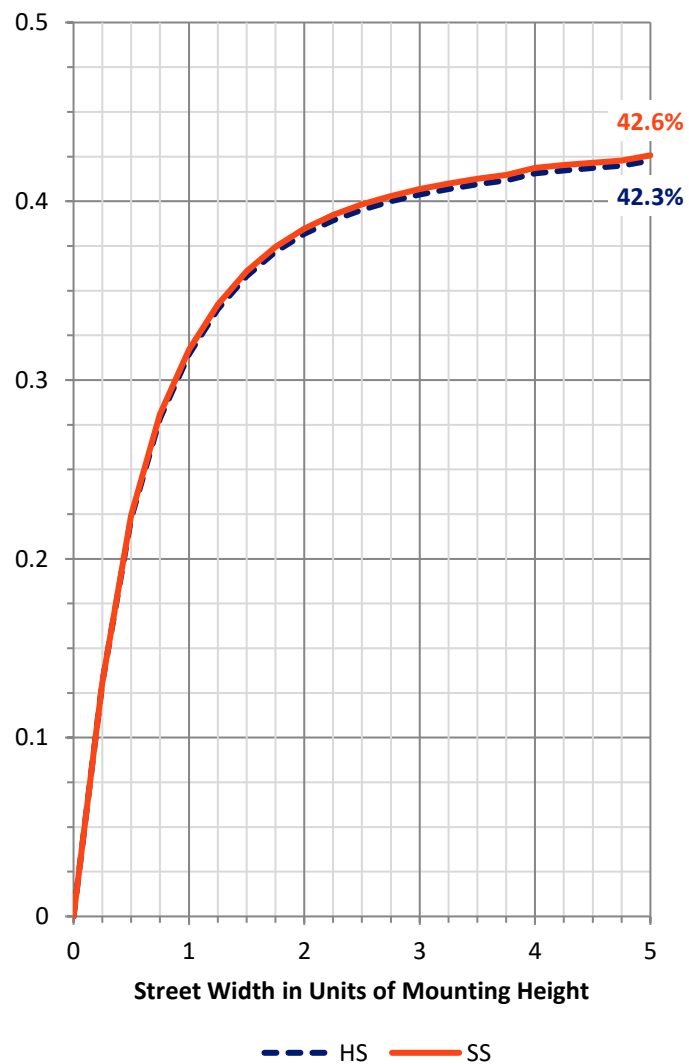
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2298.5	333.5	2632.0
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2298.5	333.5	2632.0
	% Fixture	43.7	6.3	50.0
Total	Lumens	4597.0	666.9	5263.9
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	4.8
10°-20°	632.5	12.0
20°-30°	738.6	14.0
30°-40°	649.0	12.3
40°-50°	584.3	11.1
50°-60°	585.4	11.1
60°-70°	523.1	9.9
70°-80°	391.6	7.4
80°-90°	239.2	4.5
90°-100°	127.7	2.4
100°-110°	79.2	1.5
110°-120°	78.5	1.5
120°-130°	108.0	2.1
130°-140°	134.5	2.6
140°-150°	101.6	1.9
150°-160°	33.9	0.6
160°-170°	3.5	0.1
170°-180°	0.0	0.0
0°-90°	4597.0	87.3
0°-180°	5263.9	100.0

Coefficient of Utilization



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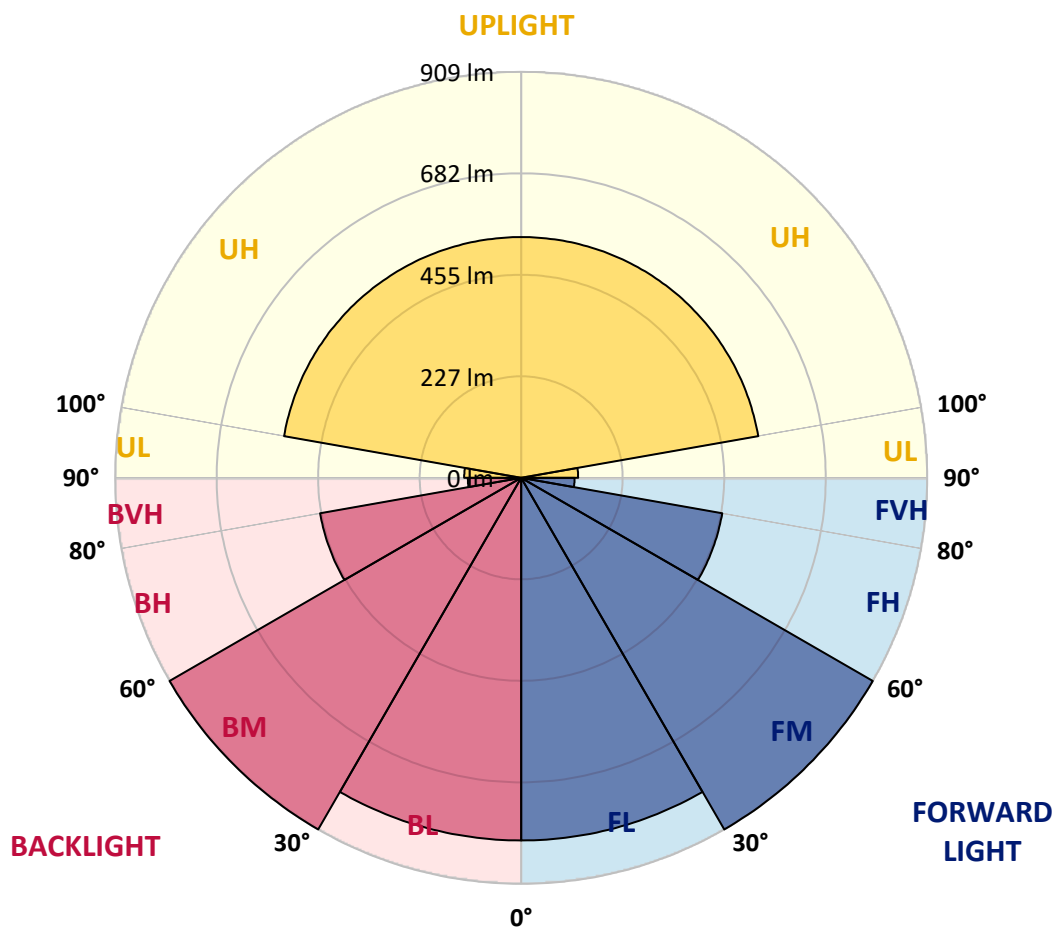
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	812.2	15.4			
FM	(30°-60°)	909.4	17.3			
FH	(60°-80°)	457.4	8.7			G0/660
FVH	(80°-90°)	119.6	2.3			G2/225
BL	(0°-30°)	812.2	15.4	B2/1000		
BM	(30°-60°)	909.4	17.3	B1/1000		
BH	(60°-80°)	457.4	8.7	B1/500		G0/660
BVH	(80°-90°)	119.6	2.3			G2/225
UL	(90°-100°)	127.7	2.4		U3/500	
UH	(100°-180°)	539.2	10.2		U4/1000	

BUG Rating: B2-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2625.6
2.5°	2669.5
5°	2731.9
7.5°	2681.3
10°	2504.2
12.5°	2359.2
15°	2266.5
17.5°	2155.2
20°	1979.8
22.5°	1780.8
25°	1617.2
27.5°	1460.4
30°	1234.4
32.5°	1116.4
35°	1045.5
37.5°	949.4
40°	863.4
42.5°	801.0
45°	743.7
47.5°	708.3
50°	686.3
52.5°	662.7
55°	650.9
57.5°	645.9
60°	618.9
62.5°	563.2
65°	524.5
67.5°	489.0
70°	451.9
72.5°	411.5
75°	369.3
77.5°	330.5
80°	291.7
82.5°	253.0
85°	217.5
87.5°	183.8
90°	155.1
92.5°	133.2
95°	114.7
97.5°	99.5
100°	86.0
102.5°	77.6
105°	72.5
107.5°	70.8
110°	70.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.5
115°	77.6
117.5°	84.3
120°	94.4
122.5°	106.2
125°	119.7
127.5°	134.9
130°	151.8
132.5°	165.3
135°	177.1
137.5°	185.5
140°	185.5
142.5°	178.8
145°	165.3
147.5°	145.0
150°	119.7
152.5°	92.7
155°	67.5
157.5°	47.2
160°	30.4
162.5°	18.5
165°	8.4
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)