

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: P853306

Luminaire Tested: **CRTK-N-20-740-U-T5R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853306
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-20-740-U-T5R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3121.9 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

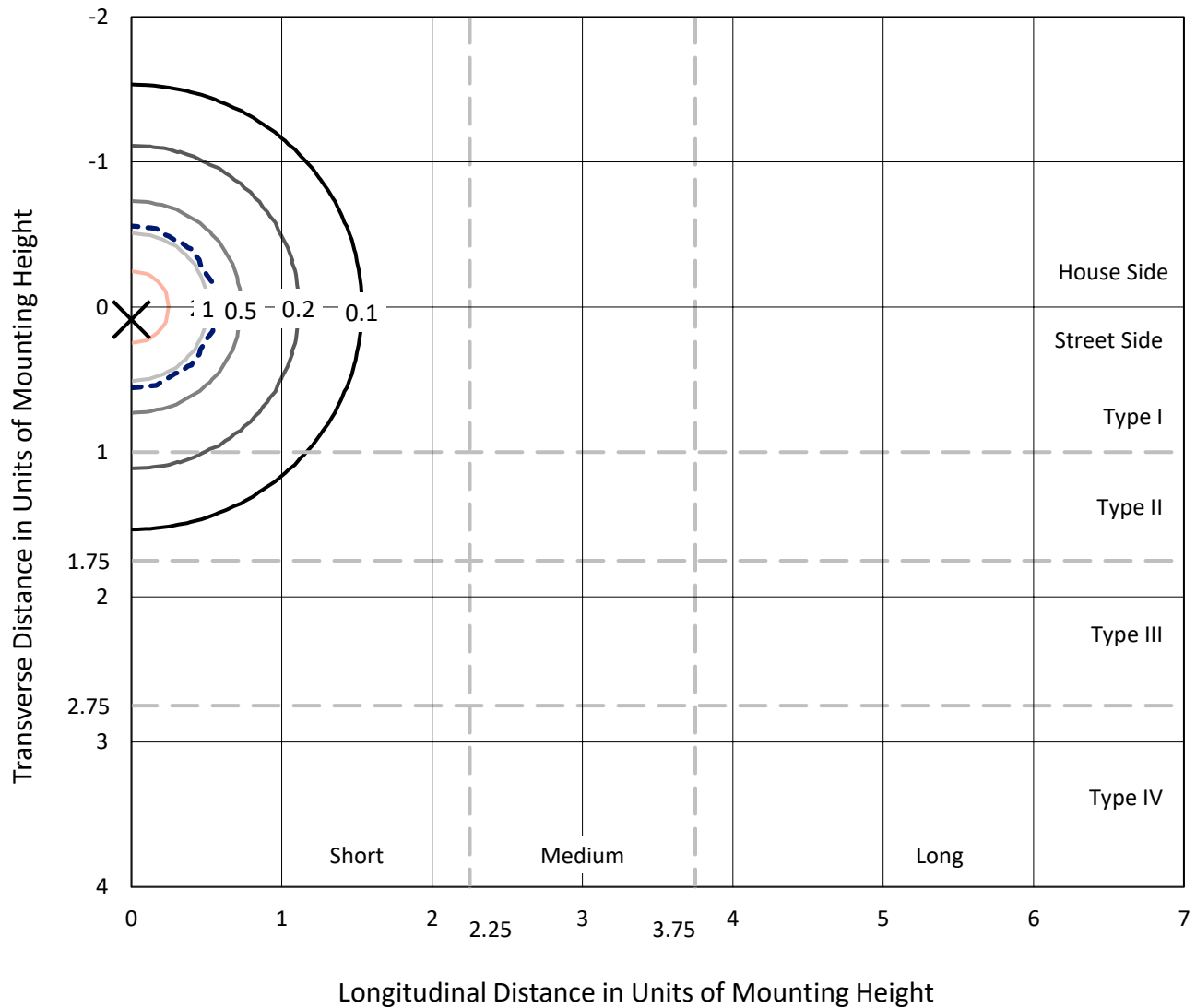


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

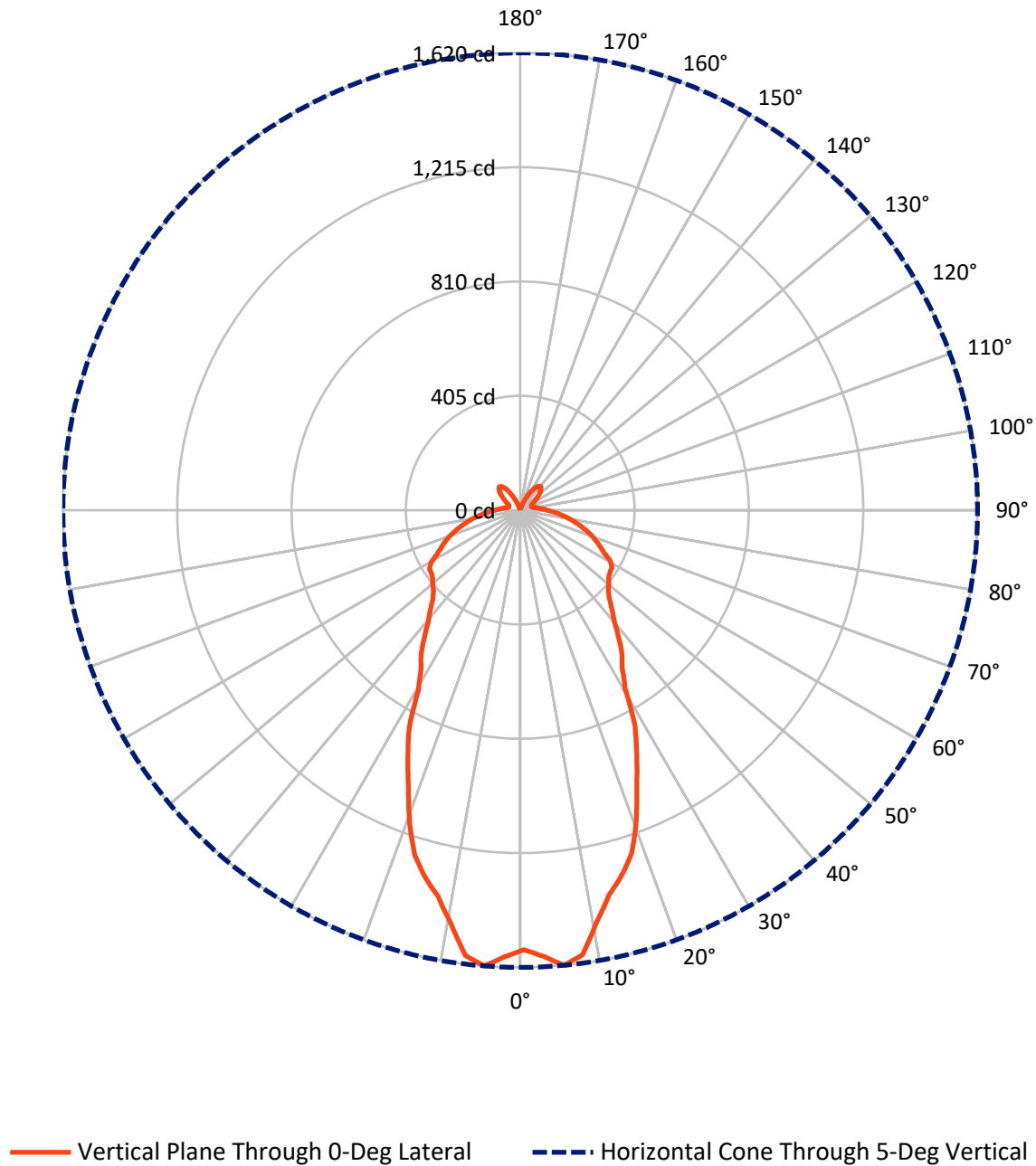


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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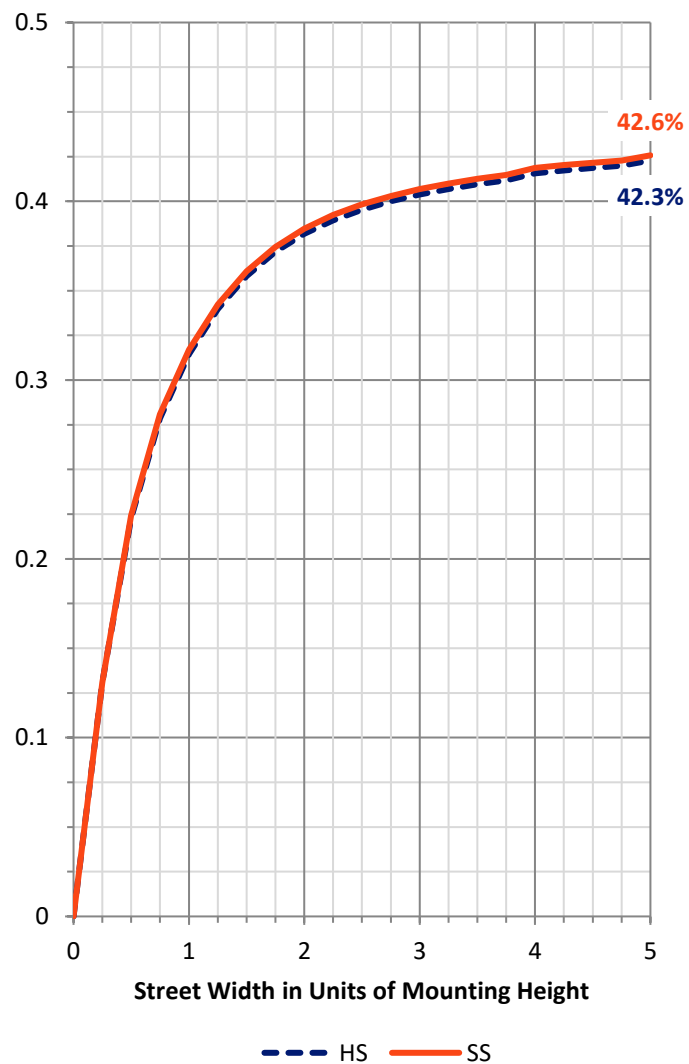
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1363.2	197.7	1561.0
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	1363.2	197.7	1561.0
	% Fixture	43.7	6.3	50.0
Total	Lumens	2726.4	395.5	3121.9
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	4.8
10°-20°	375.1	12.0
20°-30°	438.1	14.0
30°-40°	384.9	12.3
40°-50°	346.6	11.1
50°-60°	347.2	11.1
60°-70°	310.3	9.9
70°-80°	232.2	7.4
80°-90°	141.9	4.5
90°-100°	75.7	2.4
100°-110°	47.0	1.5
110°-120°	46.6	1.5
120°-130°	64.1	2.1
130°-140°	79.7	2.6
140°-150°	60.2	1.9
150°-160°	20.1	0.6
160°-170°	2.1	0.1
170°-180°	0.0	0.0
0°-90°	2726.4	87.3
0°-180°	3121.9	100.0

Coefficient of Utilization



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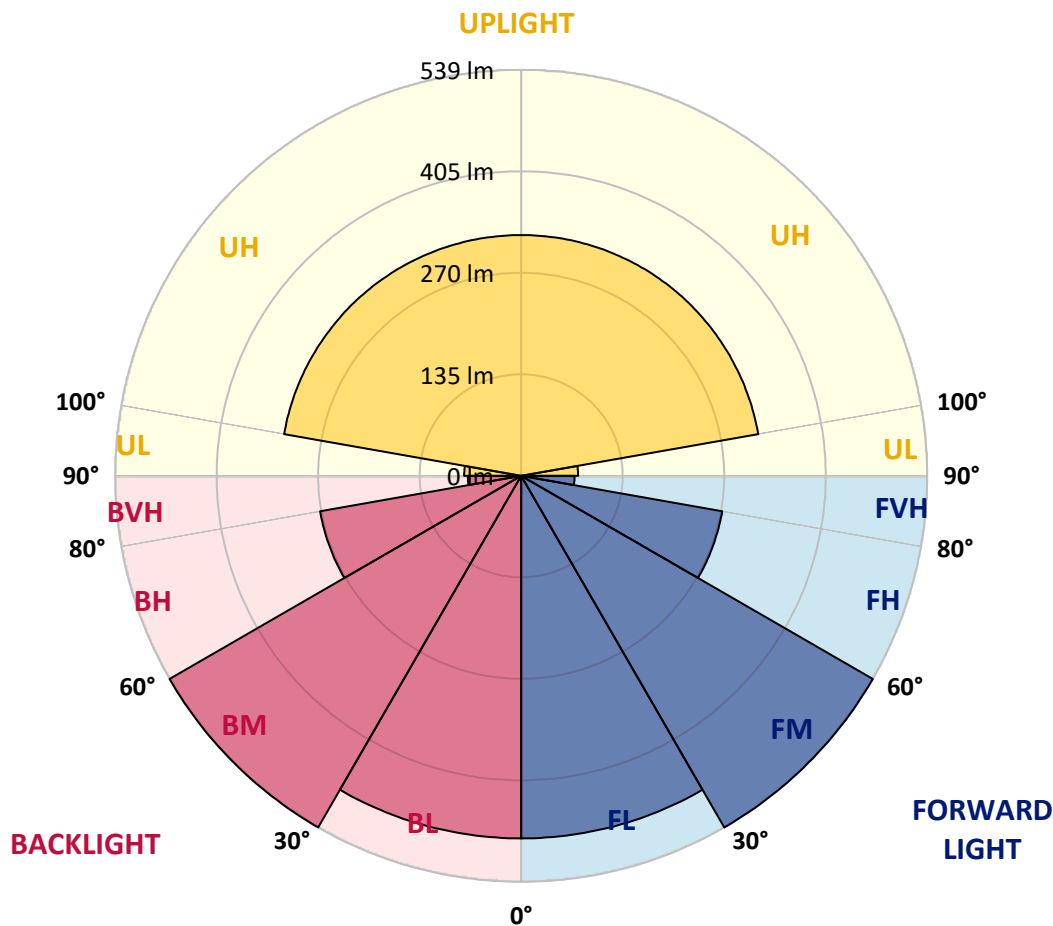
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.7	15.4			
FM	(30°-60°)	539.4	17.3			
FH	(60°-80°)	271.2	8.7			G0/660
FVH	(80°-90°)	70.9	2.3			G1/100
BL	(0°-30°)	481.7	15.4	B1/500		
BM	(30°-60°)	539.4	17.3	B1/1000		
BH	(60°-80°)	271.2	8.7	B1/500		G0/660
BVH	(80°-90°)	70.9	2.3			G1/100
UL	(90°-100°)	75.7	2.4		U3/500	
UH	(100°-180°)	319.8	10.2		U3/500	

BUG Rating: B1-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1557.2
2.5°	1583.2
5°	1620.2
7.5°	1590.2
10°	1485.2
12.5°	1399.2
15°	1344.2
17.5°	1278.2
20°	1174.2
22.5°	1056.2
25°	959.1
27.5°	866.1
30°	732.1
32.5°	662.1
35°	620.1
37.5°	563.1
40°	512.1
42.5°	475.1
45°	441.1
47.5°	420.1
50°	407.1
52.5°	393.1
55°	386.1
57.5°	383.1
60°	367.1
62.5°	334.1
65°	311.0
67.5°	290.0
70°	268.0
72.5°	244.0
75°	219.0
77.5°	196.0
80°	173.0
82.5°	150.0
85°	129.0
87.5°	109.0
90°	92.0
92.5°	79.0
95°	68.0
97.5°	59.0
100°	51.0
102.5°	46.0
105°	43.0
107.5°	42.0
110°	42.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.0
115°	46.0
117.5°	50.0
120°	56.0
122.5°	63.0
125°	71.0
127.5°	80.0
130°	90.0
132.5°	98.0
135°	105.0
137.5°	110.0
140°	110.0
142.5°	106.0
145°	98.0
147.5°	86.0
150°	71.0
152.5°	55.0
155°	40.0
157.5°	28.0
160°	18.0
162.5°	11.0
165°	5.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)