

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: P853288

Luminaire Tested: **CRTK-N-20-727-U-T5R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853288
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-20-727-U-T5R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2869 lumens
Efficiency: N/A
Efficacy: 123.7 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

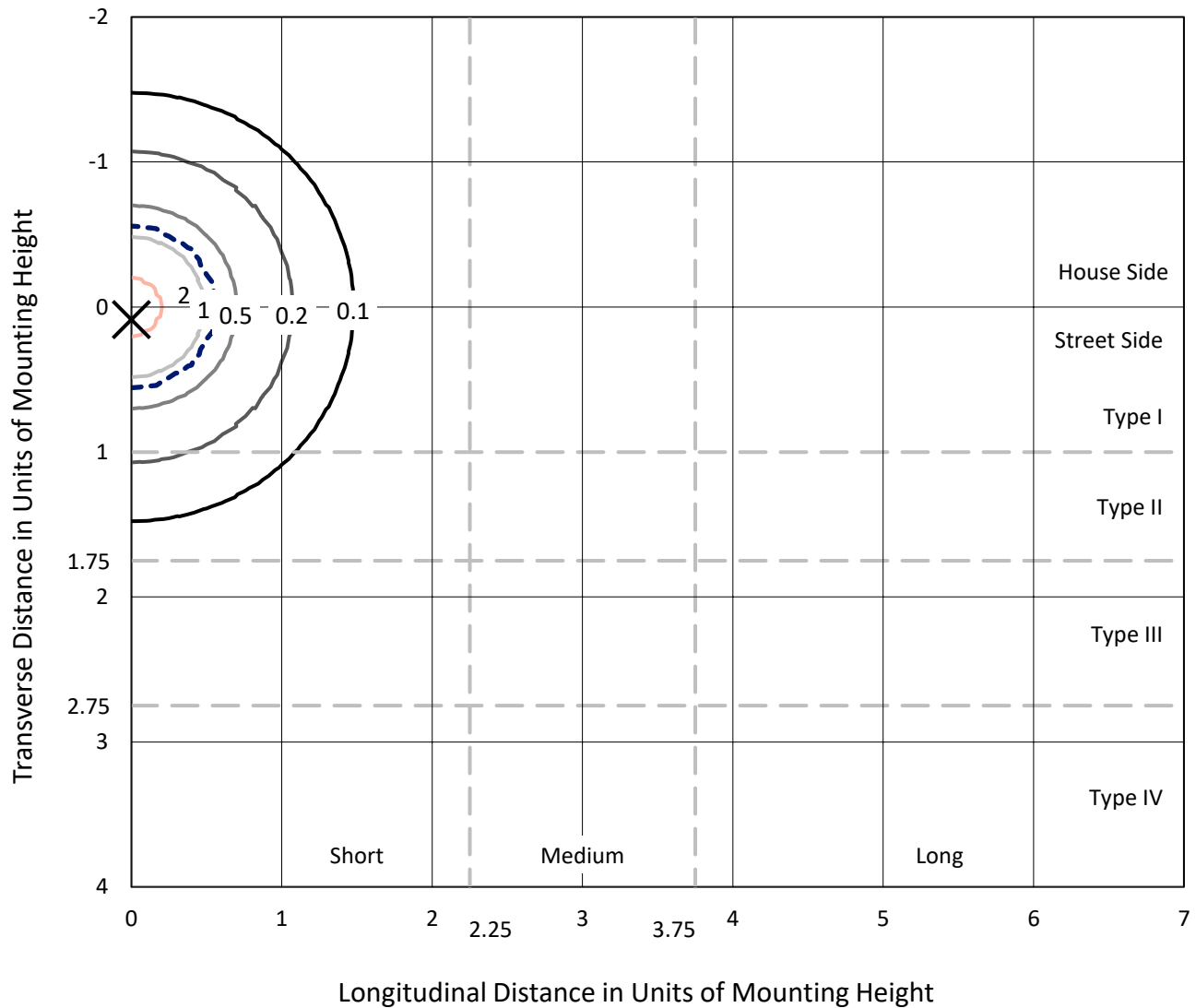


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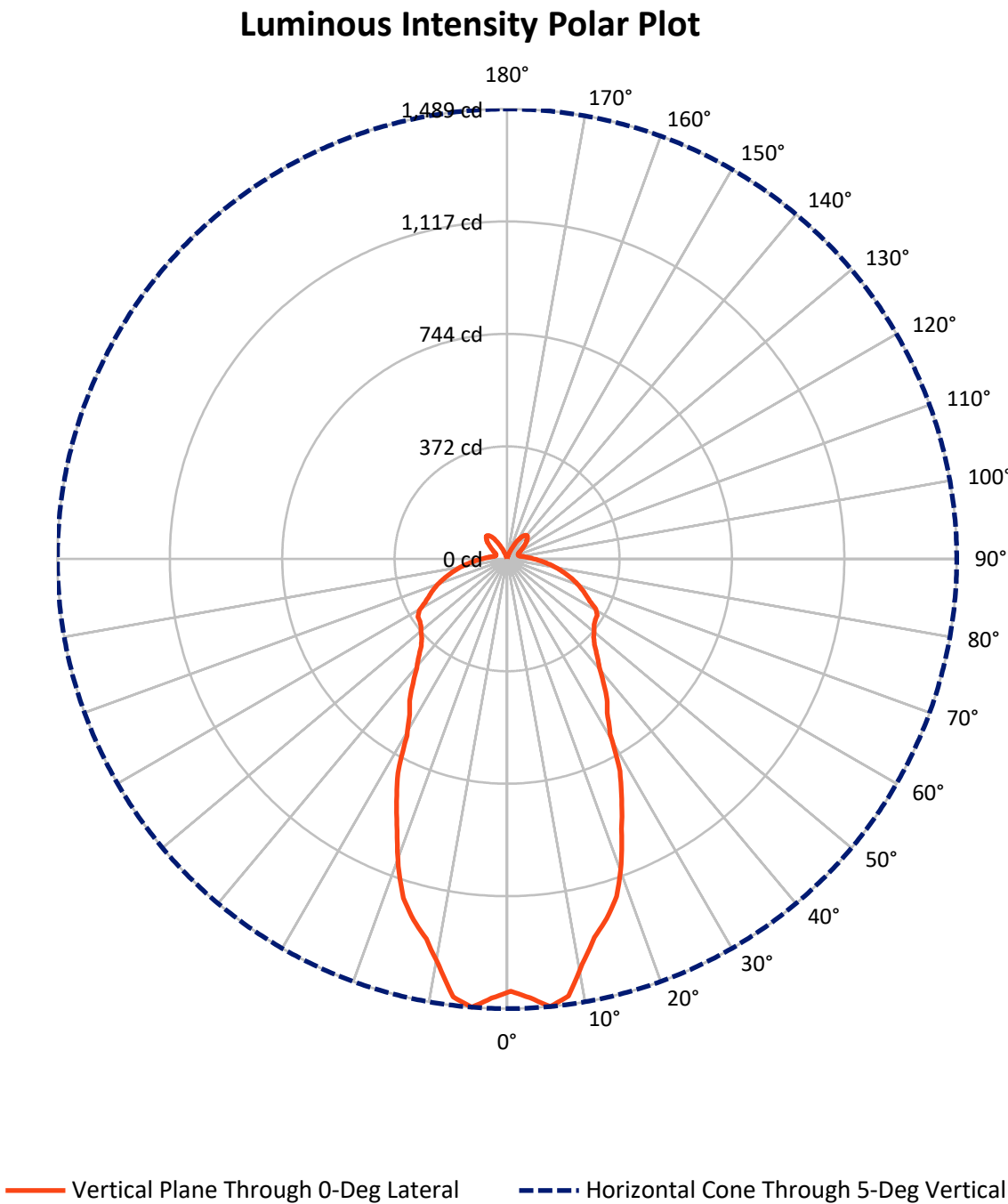
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type V - Short - N/A

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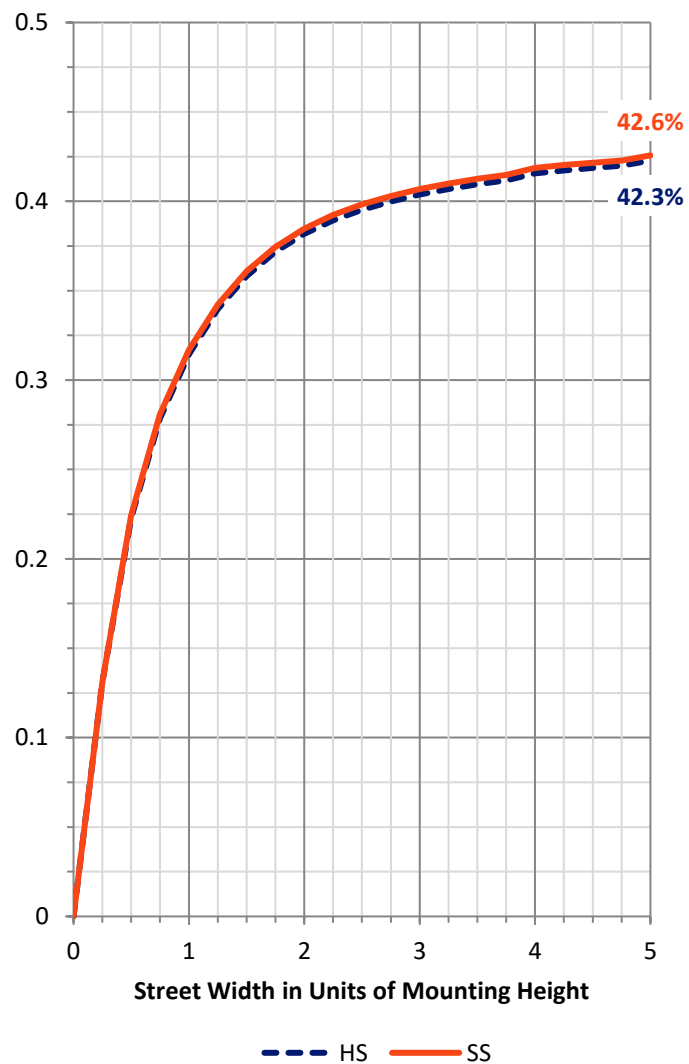
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.8	181.8	1434.5
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	1252.8	181.8	1434.5
	% Fixture	43.7	6.3	50.0
Total	Lumens	2505.5	363.5	2869.0
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	4.8
10°-20°	344.7	12.0
20°-30°	402.6	14.0
30°-40°	353.7	12.3
40°-50°	318.5	11.1
50°-60°	319.1	11.1
60°-70°	285.1	9.9
70°-80°	213.5	7.4
80°-90°	130.4	4.5
90°-100°	69.6	2.4
100°-110°	43.2	1.5
110°-120°	42.8	1.5
120°-130°	58.9	2.1
130°-140°	73.3	2.6
140°-150°	55.4	1.9
150°-160°	18.5	0.6
160°-170°	1.9	0.1
170°-180°	0.0	0.0
0°-90°	2505.5	87.3
0°-180°	2869.0	100.0

Coefficient of Utilization



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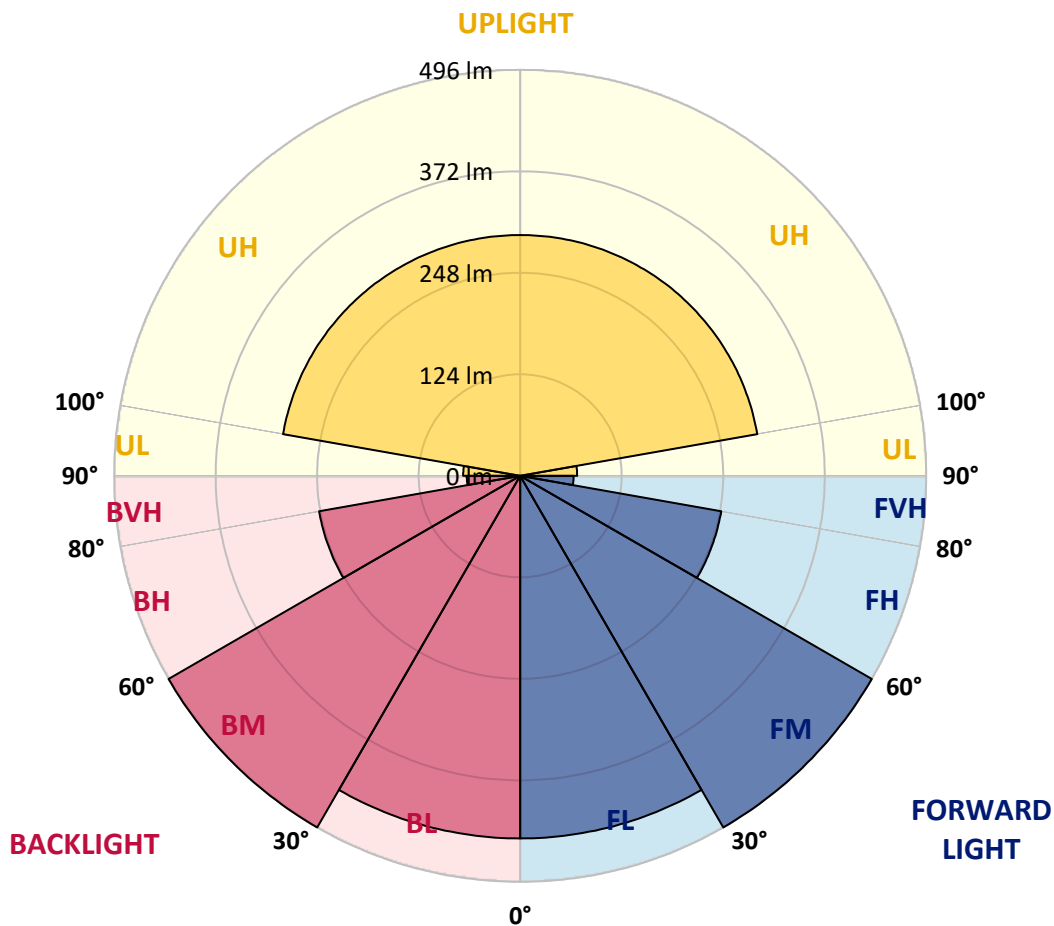
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	442.6	15.4			
FM	(30°-60°)	495.6	17.3			
FH	(60°-80°)	249.3	8.7			G0/660
FVH	(80°-90°)	65.2	2.3			G1/100
BL	(0°-30°)	442.6	15.4	B1/500		
BM	(30°-60°)	495.6	17.3	B1/1000		
BH	(60°-80°)	249.3	8.7	B1/500		G0/660
BVH	(80°-90°)	65.2	2.3			G1/100
UL	(90°-100°)	69.6	2.4		U3/500	
UH	(100°-180°)	293.9	10.2		U3/500	

BUG Rating: B1-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1431.0
2.5°	1454.9
5°	1488.9
7.5°	1461.4
10°	1364.9
12.5°	1285.8
15°	1235.3
17.5°	1174.6
20°	1079.0
22.5°	970.6
25°	881.4
27.5°	795.9
30°	672.8
32.5°	608.4
35°	569.8
37.5°	517.5
40°	470.6
42.5°	436.6
45°	405.3
47.5°	386.0
50°	374.1
52.5°	361.2
55°	354.8
57.5°	352.0
60°	337.3
62.5°	307.0
65°	285.8
67.5°	266.5
70°	246.3
72.5°	224.3
75°	201.3
77.5°	180.1
80°	159.0
82.5°	137.9
85°	118.6
87.5°	100.2
90°	84.6
92.5°	72.6
95°	62.5
97.5°	54.2
100°	46.9
102.5°	42.3
105°	39.5
107.5°	38.6
110°	38.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.5
115°	42.3
117.5°	46.0
120°	51.5
122.5°	57.9
125°	65.3
127.5°	73.5
130°	82.7
132.5°	90.1
135°	96.5
137.5°	101.1
140°	101.1
142.5°	97.4
145°	90.1
147.5°	79.0
150°	65.3
152.5°	50.6
155°	36.8
157.5°	25.7
160°	16.5
162.5°	10.1
165°	4.6
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)