

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: P853405

Luminaire Tested: **CRTK-N-40-730-U-T5R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853405
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-40-730-U-T5R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

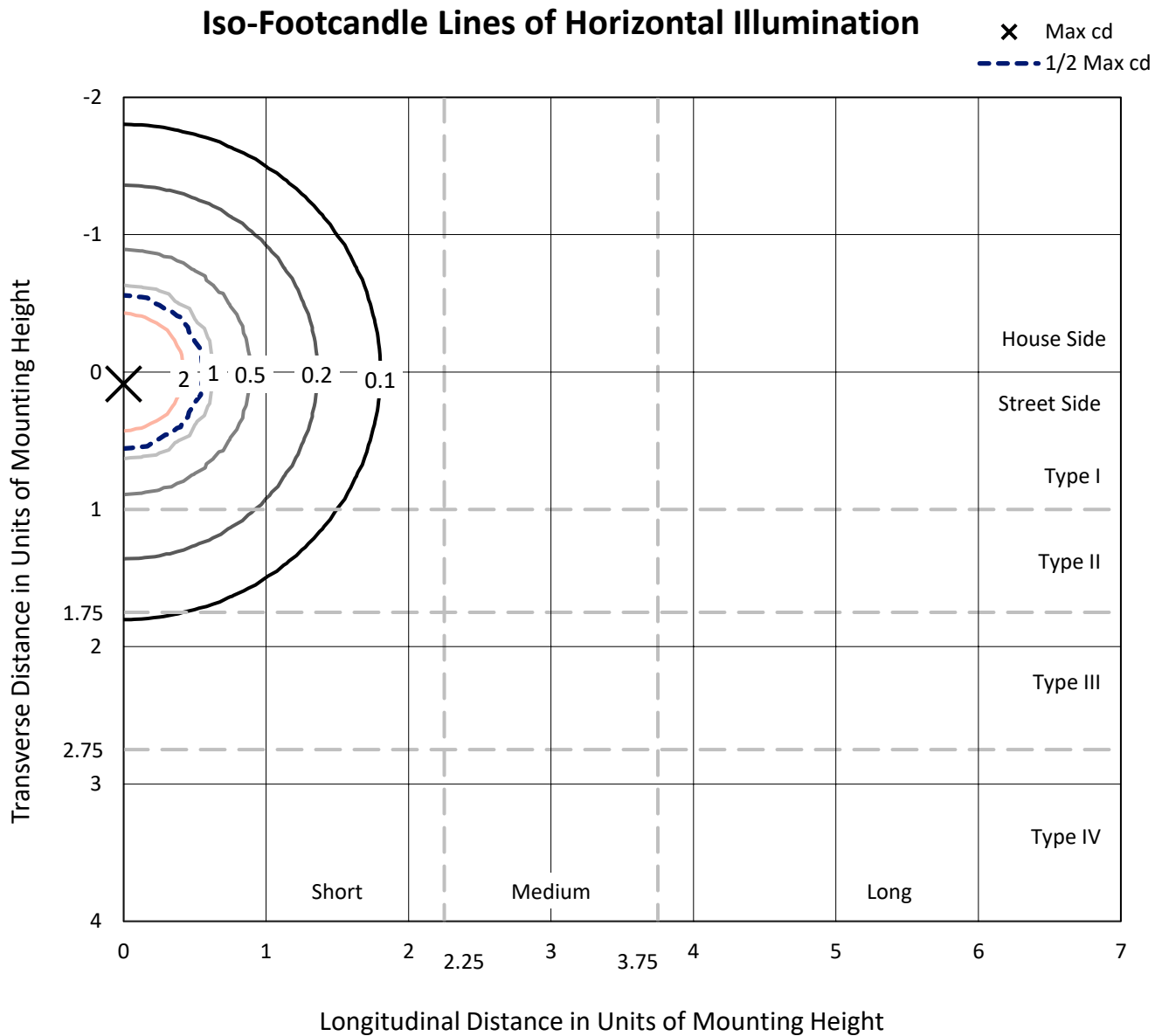
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4801 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



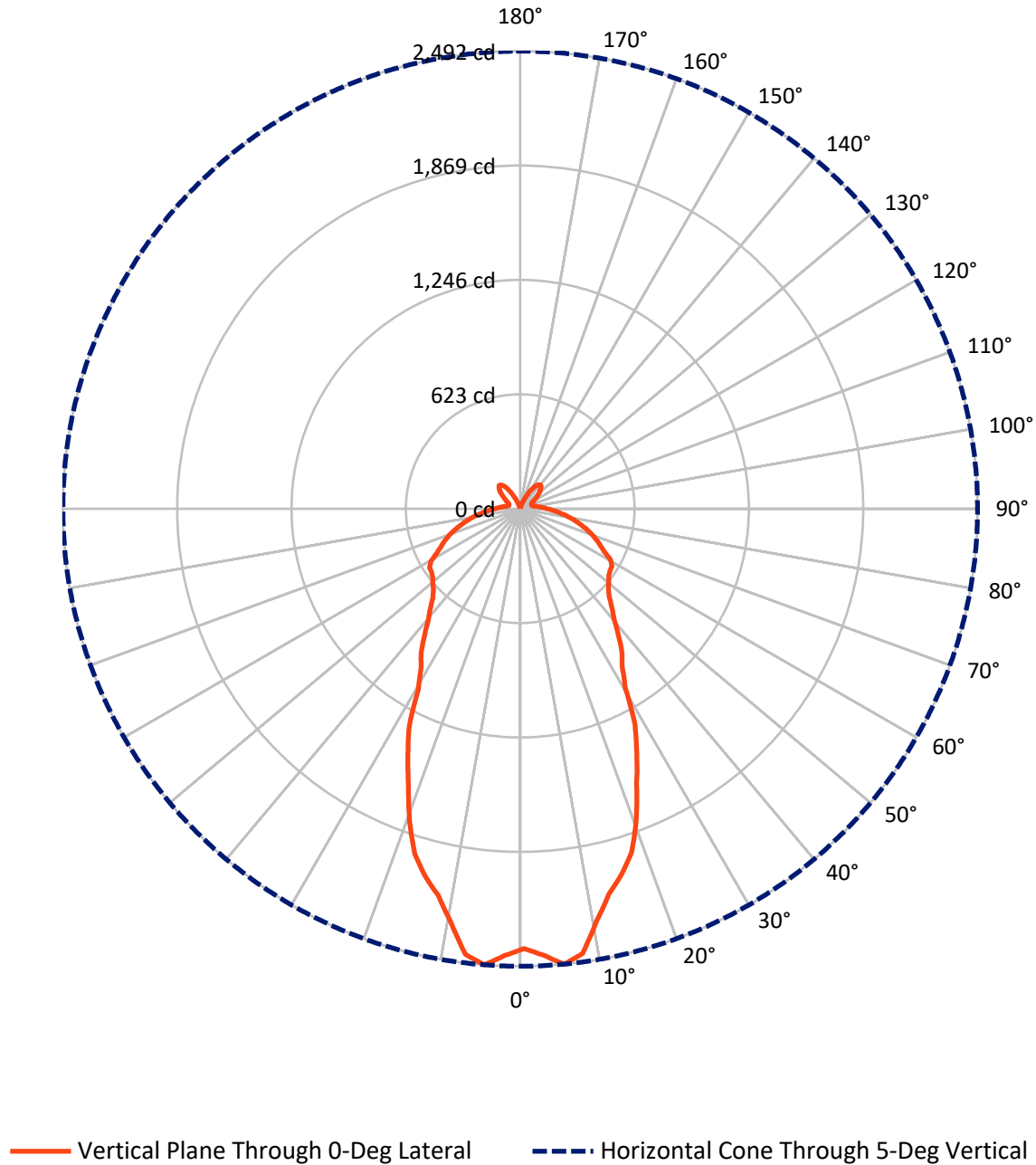
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Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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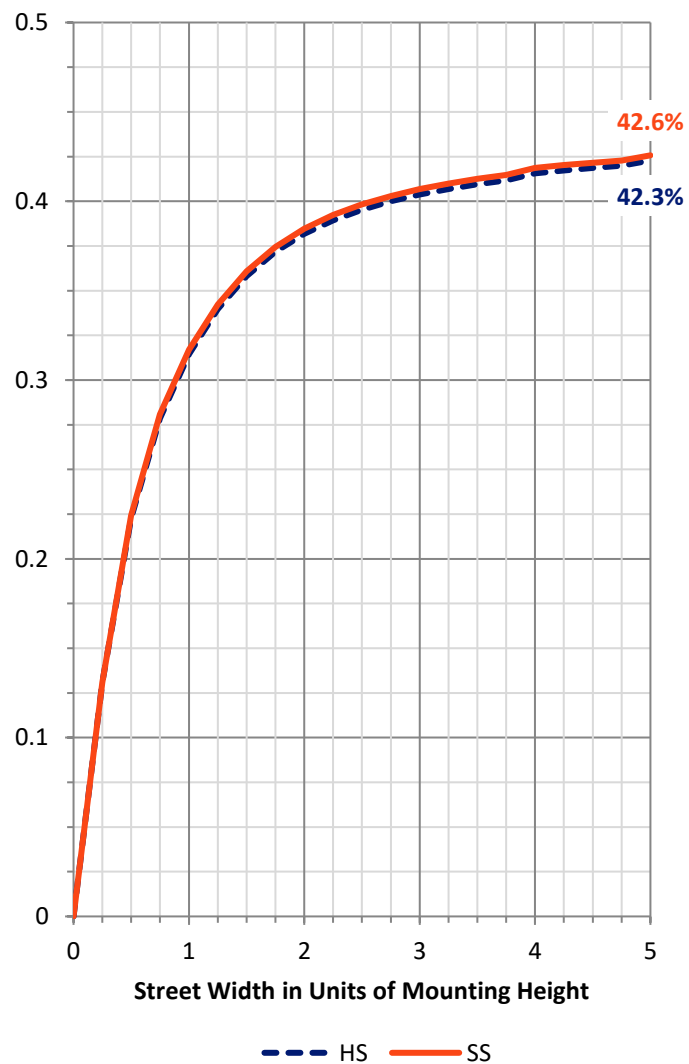
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2096.4	304.1	2400.5
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2096.4	304.1	2400.5
	% Fixture	43.7	6.3	50.0
Total	Lumens	4192.7	608.2	4801.0
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.9	4.8
10°-20°	576.9	12.0
20°-30°	673.7	14.0
30°-40°	591.9	12.3
40°-50°	532.9	11.1
50°-60°	533.9	11.1
60°-70°	477.1	9.9
70°-80°	357.2	7.4
80°-90°	218.2	4.5
90°-100°	116.5	2.4
100°-110°	72.2	1.5
110°-120°	71.6	1.5
120°-130°	98.5	2.1
130°-140°	122.6	2.6
140°-150°	92.6	1.9
150°-160°	30.9	0.6
160°-170°	3.2	0.1
170°-180°	0.0	0.0
0°-90°	4192.7	87.3
0°-180°	4801.0	100.0

Coefficient of Utilization



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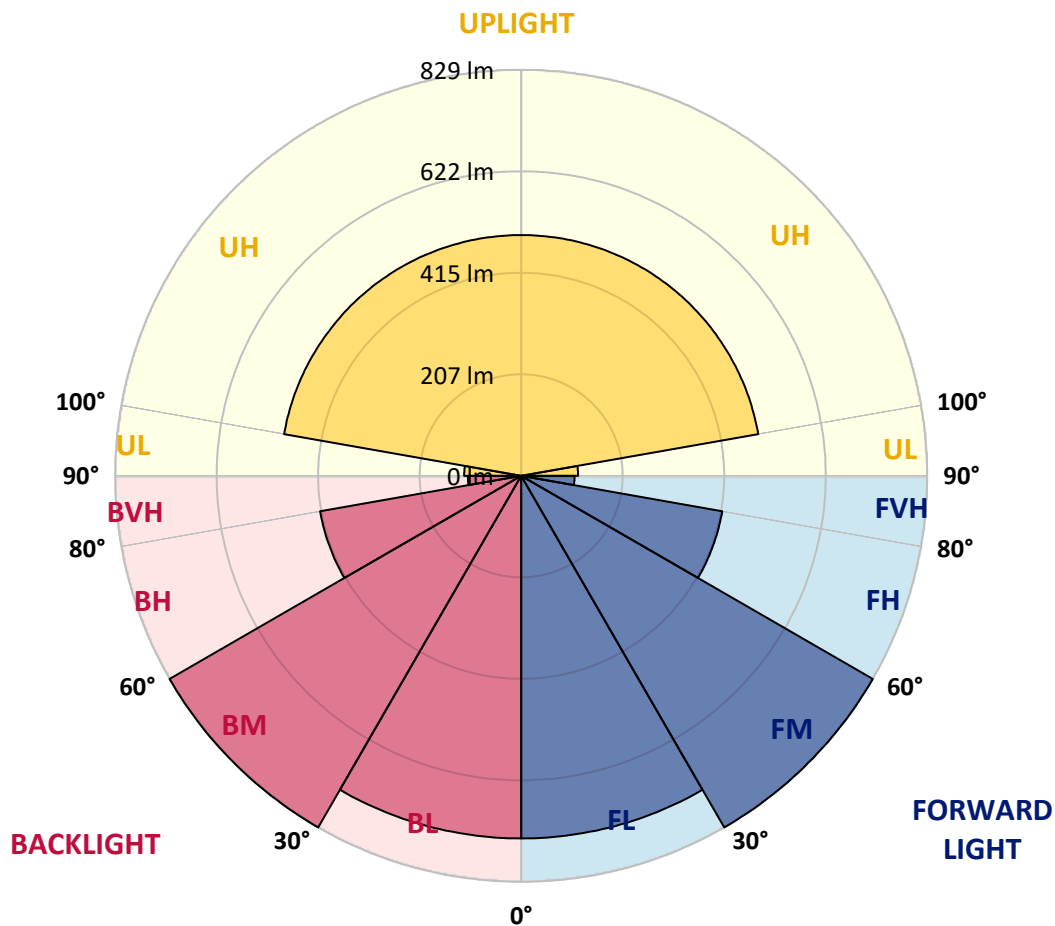
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	740.7	15.4			
FM	(30°-60°)	829.4	17.3			
FH	(60°-80°)	417.2	8.7			G0/660
FVH	(80°-90°)	109.1	2.3			G2/225
BL	(0°-30°)	740.7	15.4	B2/1000		
BM	(30°-60°)	829.4	17.3	B1/1000		
BH	(60°-80°)	417.2	8.7	B1/500		G0/660
BVH	(80°-90°)	109.1	2.3			G2/225
UL	(90°-100°)	116.5	2.4		U3/500	
UH	(100°-180°)	491.7	10.2		U3/500	

BUG Rating: B2-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2394.7
2.5°	2434.7
5°	2491.6
7.5°	2445.5
10°	2284.0
12.5°	2151.7
15°	2067.1
17.5°	1965.6
20°	1805.6
22.5°	1624.2
25°	1475.0
27.5°	1331.9
30°	1125.8
32.5°	1018.2
35°	953.6
37.5°	865.9
40°	787.5
42.5°	730.6
45°	678.3
47.5°	646.0
50°	626.0
52.5°	604.4
55°	593.7
57.5°	589.1
60°	564.5
62.5°	513.7
65°	478.3
67.5°	446.0
70°	412.2
72.5°	375.3
75°	336.8
77.5°	301.5
80°	266.1
82.5°	230.7
85°	198.4
87.5°	167.6
90°	141.5
92.5°	121.5
95°	104.6
97.5°	90.7
100°	78.4
102.5°	70.7
105°	66.1
107.5°	64.6
110°	64.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	66.1
115°	70.7
117.5°	76.9
120°	86.1
122.5°	96.9
125°	109.2
127.5°	123.0
130°	138.4
132.5°	150.7
135°	161.5
137.5°	169.2
140°	169.2
142.5°	163.0
145°	150.7
147.5°	132.3
150°	109.2
152.5°	84.6
155°	61.5
157.5°	43.1
160°	27.7
162.5°	16.9
165°	7.7
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)