

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: P853404

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

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853404
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-40-730-U-T5R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5429 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

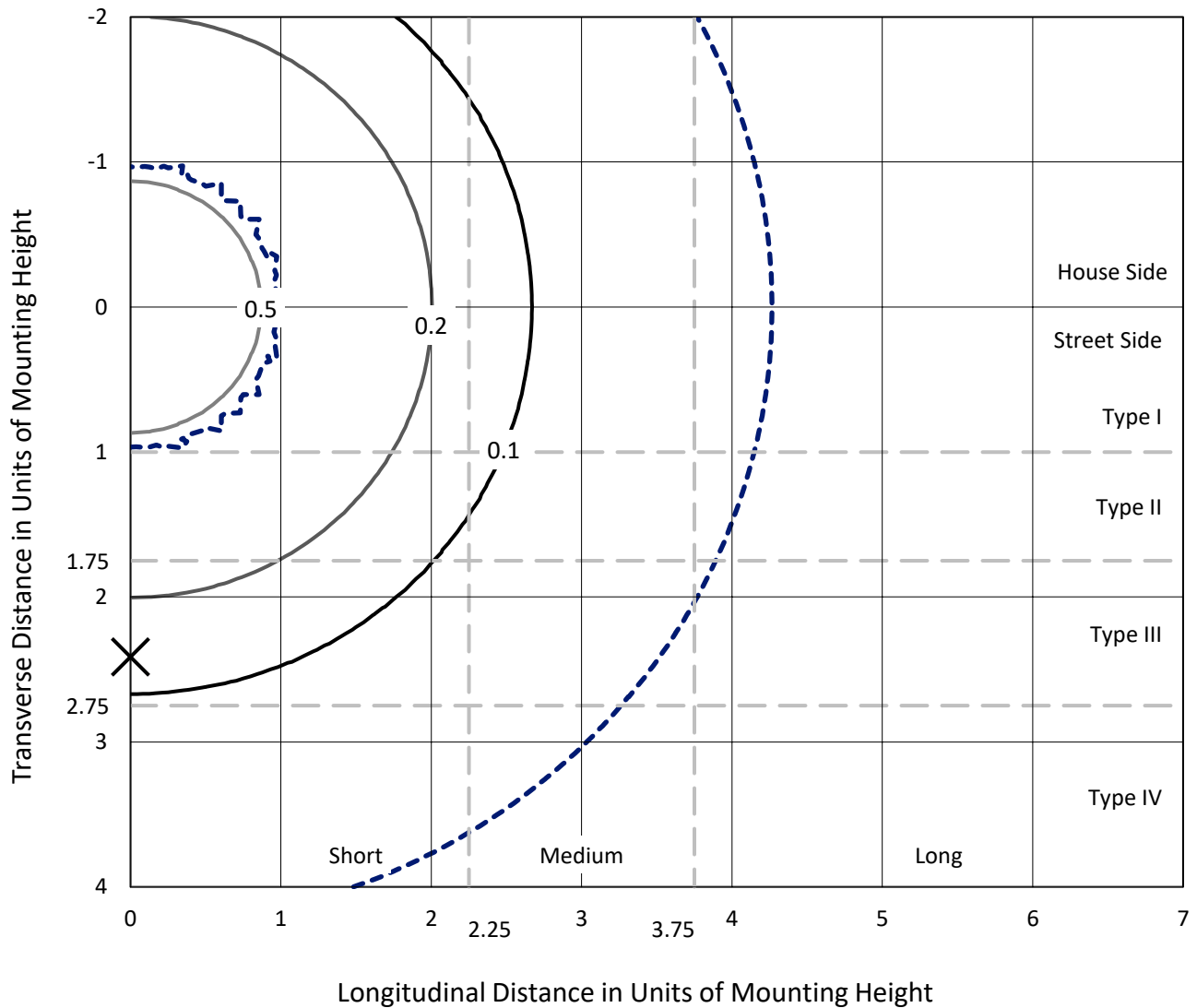
Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853404
 CATALOG NUMBER: CRTK-N-40-730-U-T5R-CNR

Iso-Footcandle Lines of Horizontal Illumination

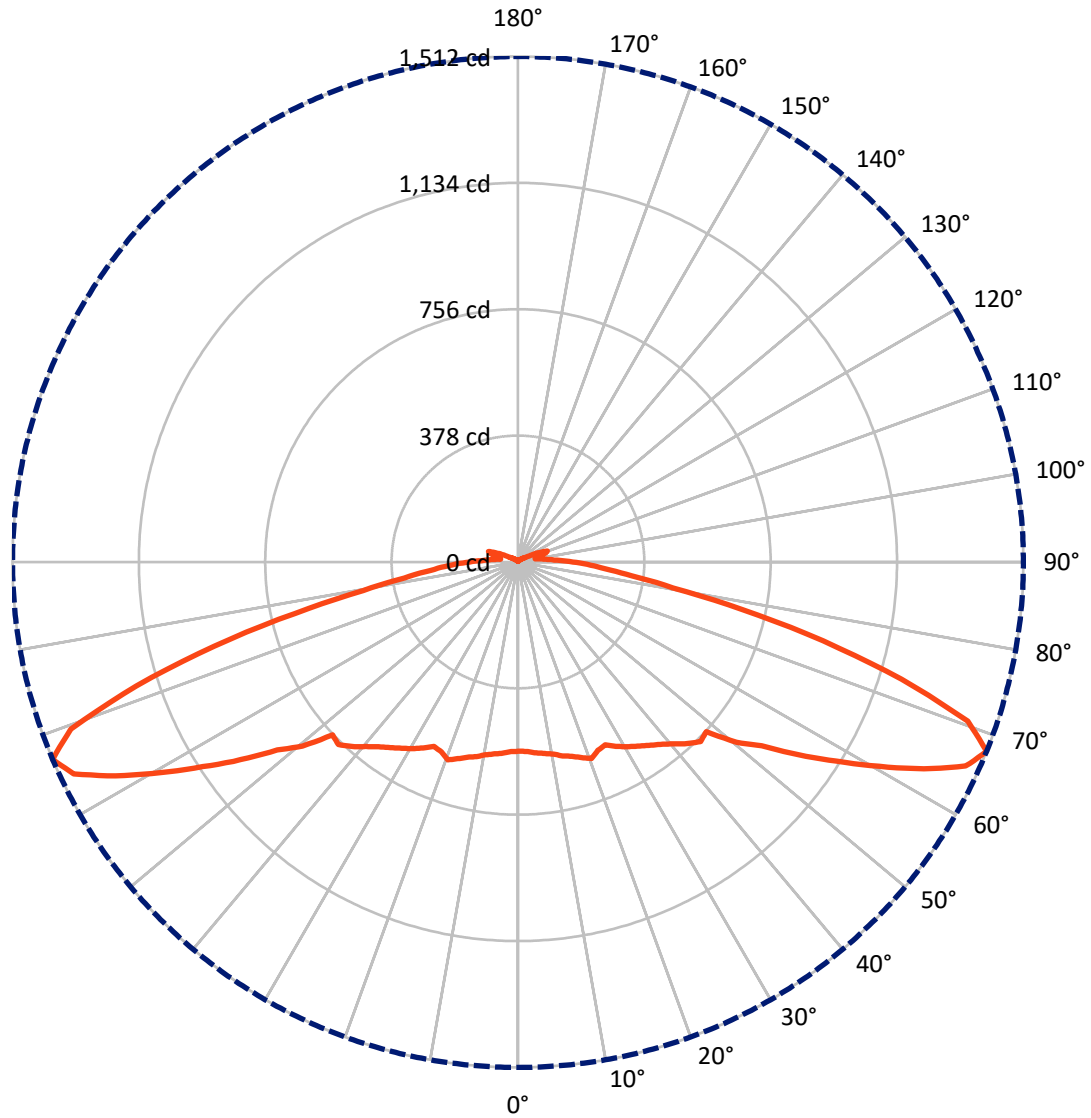
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P853404
CATALOG NUMBER: CRTK-N-40-730-U-T5R-CNR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853404

CATALOG NUMBER: CRTK-N-40-730-U-T5R-CNR

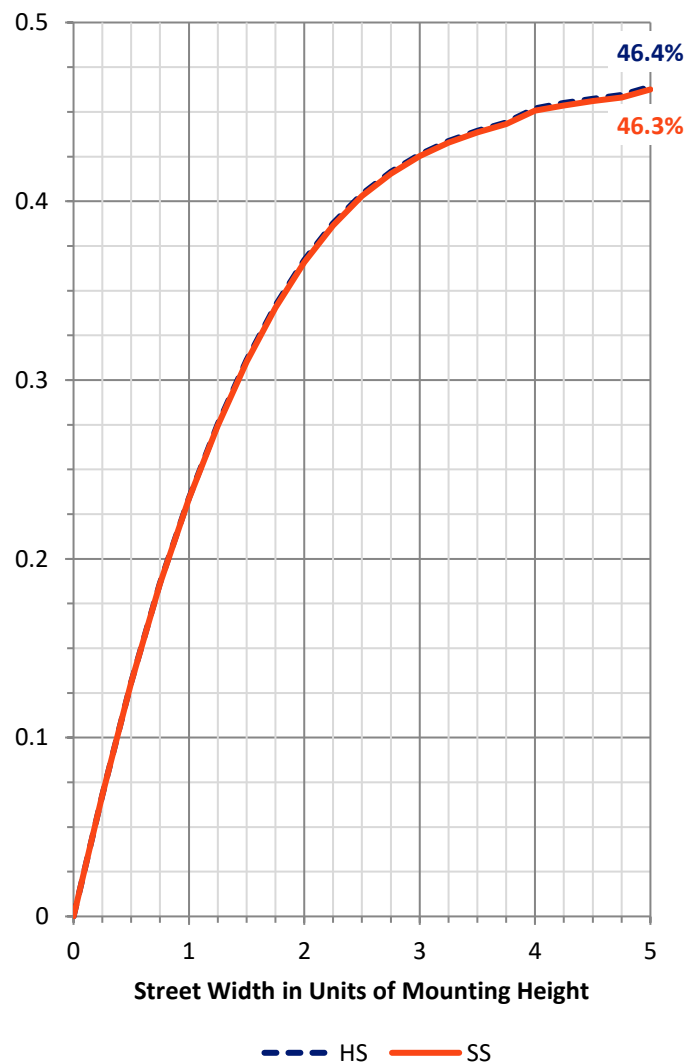
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2582.7	131.8	2714.5
	% Fixture	47.6	2.4	50.0
Street Side	Lumens	2582.7	131.8	2714.5
	% Fixture	47.6	2.4	50.0
Total	Lumens	5165.4	263.6	5429.0
	% Fixture	95.1	4.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.0
10°-20°	172.0	3.2
20°-30°	286.9	5.3
30°-40°	425.0	7.8
40°-50°	591.1	10.9
50°-60°	923.1	17.0
60°-70°	1411.1	26.0
70°-80°	994.8	18.3
80°-90°	306.3	5.6
90°-100°	98.7	1.8
100°-110°	73.6	1.4
110°-120°	58.2	1.1
120°-130°	18.2	0.3
130°-140°	8.4	0.2
140°-150°	3.9	0.1
150°-160°	1.9	0.0
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-90°	5165.4	95.1
0°-180°	5429.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853404

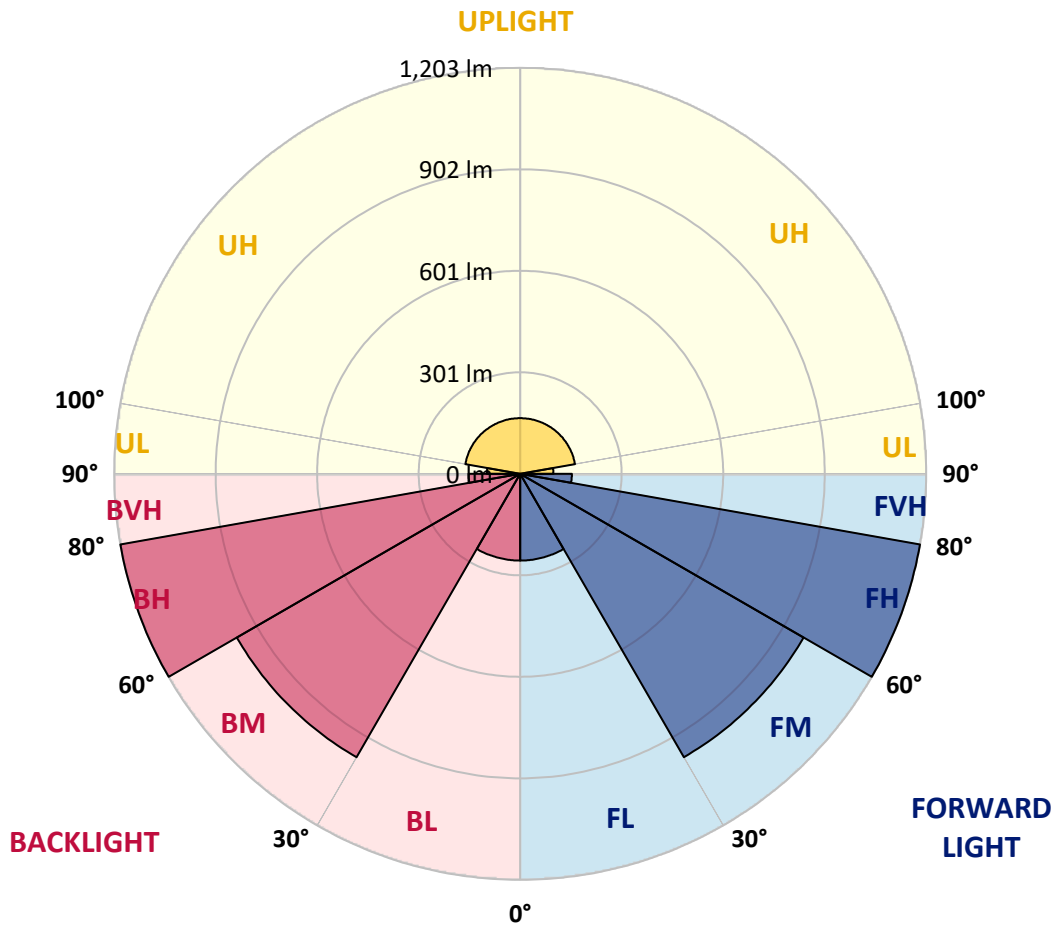
CATALOG NUMBER: CRTK-N-40-730-U-T5R-CNR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.0	4.7			
FM (30°-60°)	969.6	17.9			
FH (60°-80°)	1202.9	22.2			G1/1800
FVH (80°-90°)	153.1	2.8			G2/225
BL (0°-30°)	257.0	4.7	B1/500		
BM (30°-60°)	969.6	17.9	B1/1000		
BH (60°-80°)	1202.9	22.2	B3/2500		G1/1800
BVH (80°-90°)	153.1	2.8			G2/225
UL (90°-100°)	98.7	1.8		U3/500	
UH (100°-180°)	164.9	3.0		U3/500	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P853404

CATALOG NUMBER: CRTK-N-40-730-U-T5R-CNR

CANDELA DISTRIBUTION (FULL):

	0°
0°	566.0
2.5°	567.5
5°	573.7
7.5°	578.3
10°	584.4
12.5°	595.2
15°	602.9
17.5°	615.2
20°	627.5
22.5°	612.1
25°	606.0
27.5°	624.4
30°	641.3
32.5°	656.7
35°	673.6
37.5°	692.1
40°	715.2
42.5°	742.8
45°	765.9
47.5°	758.2
50°	847.4
52.5°	913.6
55°	1018.1
57.5°	1124.3
60°	1241.1
62.5°	1362.6
65°	1471.8
67.5°	1511.8
70°	1427.2
72.5°	1199.6
75°	942.8
77.5°	684.4
80°	470.6
82.5°	343.0
85°	261.5
87.5°	207.6
90°	153.8
92.5°	109.2
95°	84.6
97.5°	64.6
100°	52.3
102.5°	53.8
105°	66.1
107.5°	86.1
110°	93.8

REPORT NUMBER: P853404
CATALOG NUMBER: CRTK-N-40-730-U-T5R-CNR

CANDELA DISTRIBUTION (continued):

	0°
112.5°	75.4
115°	58.4
117.5°	38.4
120°	27.7
122.5°	23.1
125°	20.0
127.5°	16.9
130°	13.8
132.5°	12.3
135°	10.8
137.5°	9.2
140°	7.7
142.5°	6.2
145°	6.2
147.5°	6.2
150°	4.6
152.5°	4.6
155°	4.6
157.5°	3.1
160°	3.1
162.5°	3.1
165°	3.1
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)