

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: P853467

Luminaire Tested: **CRTK-N-50-740-U-T5R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853467
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-50-740-U-T5R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6250 lumens
Efficiency: N/A
Efficacy: 131.0 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): 47.7
Input Voltage (V): 120.0
Input Current (A_{in}): 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



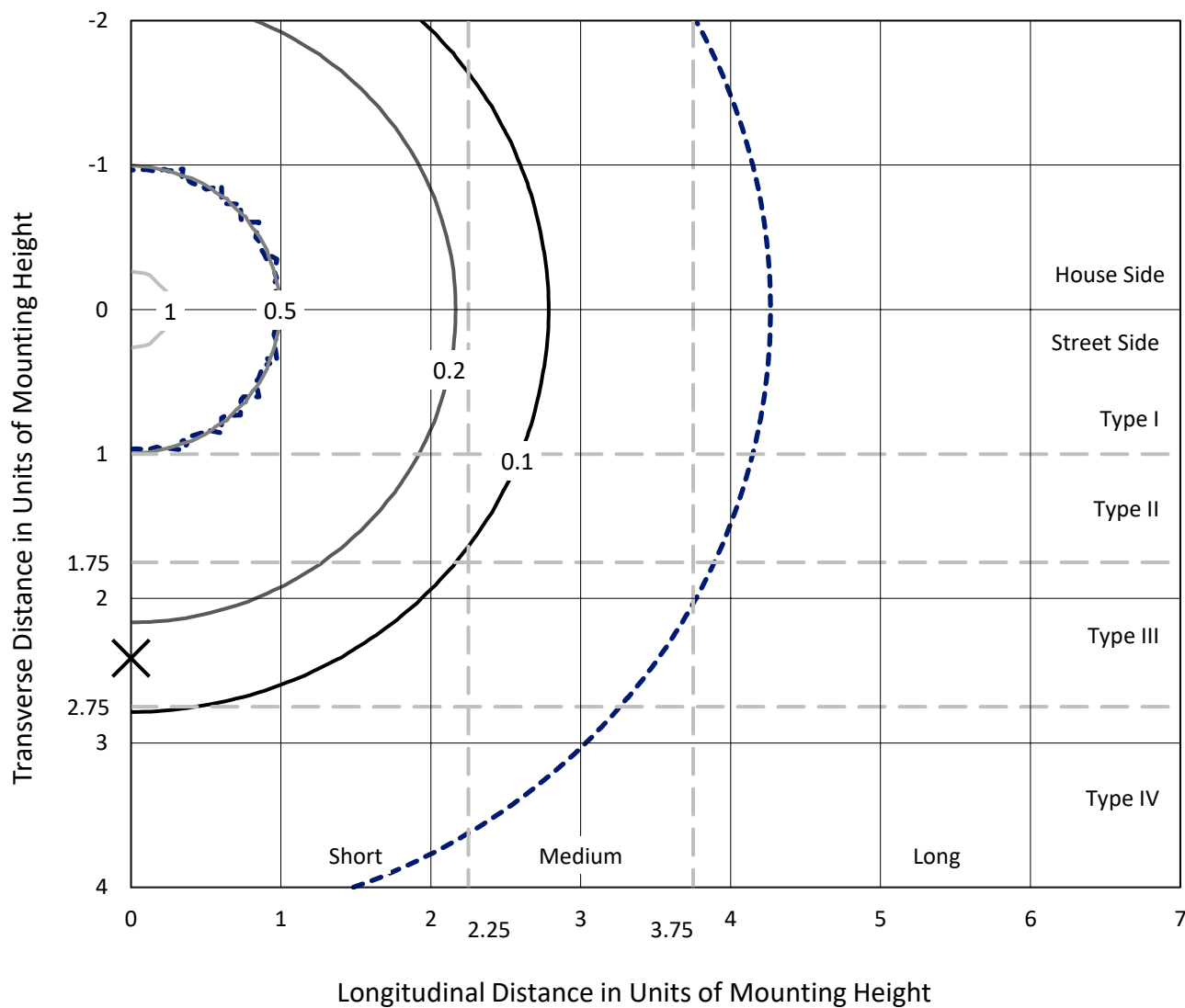
REPORT NUMBER: P853467

CATALOG NUMBER: CRTK-N-50-740-U-T5R-CNR

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

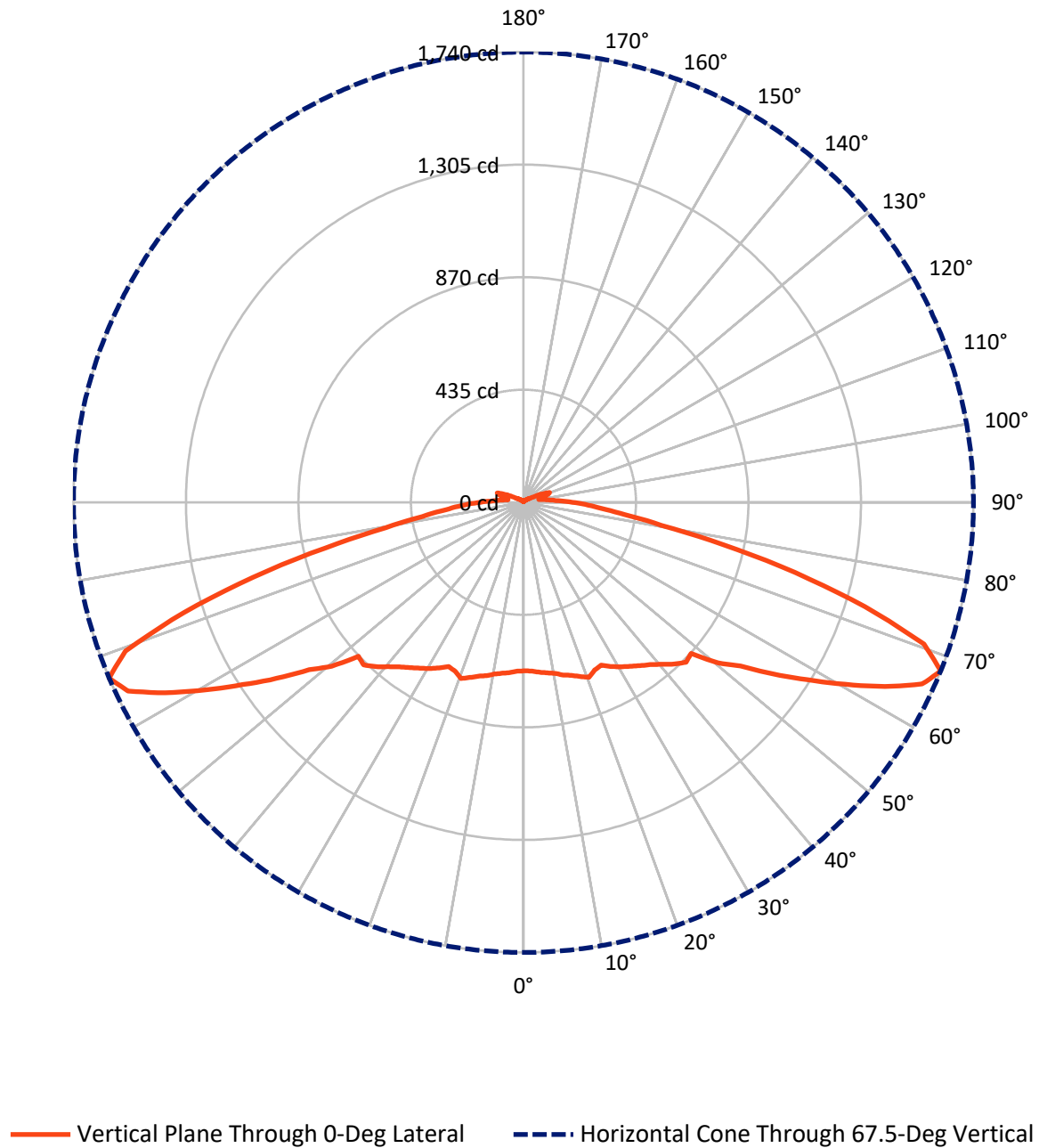
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type V - Short - N/A

REPORT NUMBER: P853467
CATALOG NUMBER: CRTK-N-50-740-U-T5R-CNR

Luminous Intensity Polar Plot



REPORT NUMBER: P853467

CATALOG NUMBER: CRTK-N-50-740-U-T5R-CNR

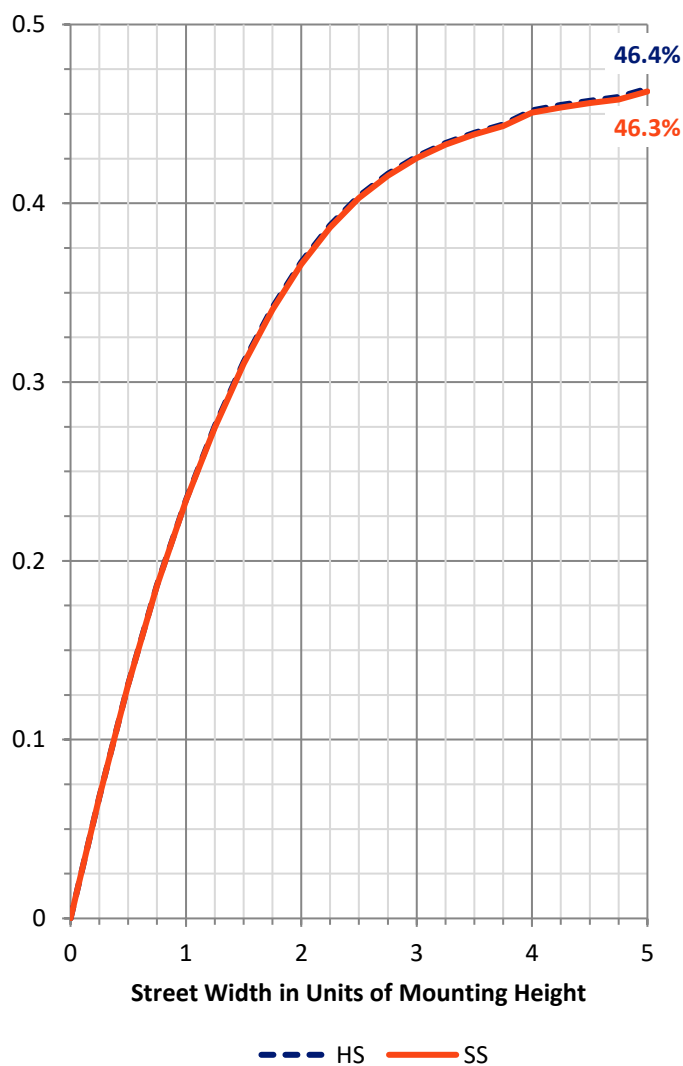
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2973.2	151.8	3125.0
	% Fixture	47.6	2.4	50.0
Street Side	Lumens	2973.2	151.8	3125.0
	% Fixture	47.6	2.4	50.0
Total	Lumens	5946.5	303.5	6250.0
	% Fixture	95.1	4.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.0
10°-20°	198.1	3.2
20°-30°	330.2	5.3
30°-40°	489.3	7.8
40°-50°	680.5	10.9
50°-60°	1062.7	17.0
60°-70°	1624.5	26.0
70°-80°	1145.2	18.3
80°-90°	352.6	5.6
90°-100°	113.7	1.8
100°-110°	84.8	1.4
110°-120°	67.1	1.1
120°-130°	21.0	0.3
130°-140°	9.7	0.2
140°-150°	4.5	0.1
150°-160°	2.2	0.0
160°-170°	0.7	0.0
170°-180°	0.0	0.0
0°-90°	5946.5	95.1
0°-180°	6250.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853467

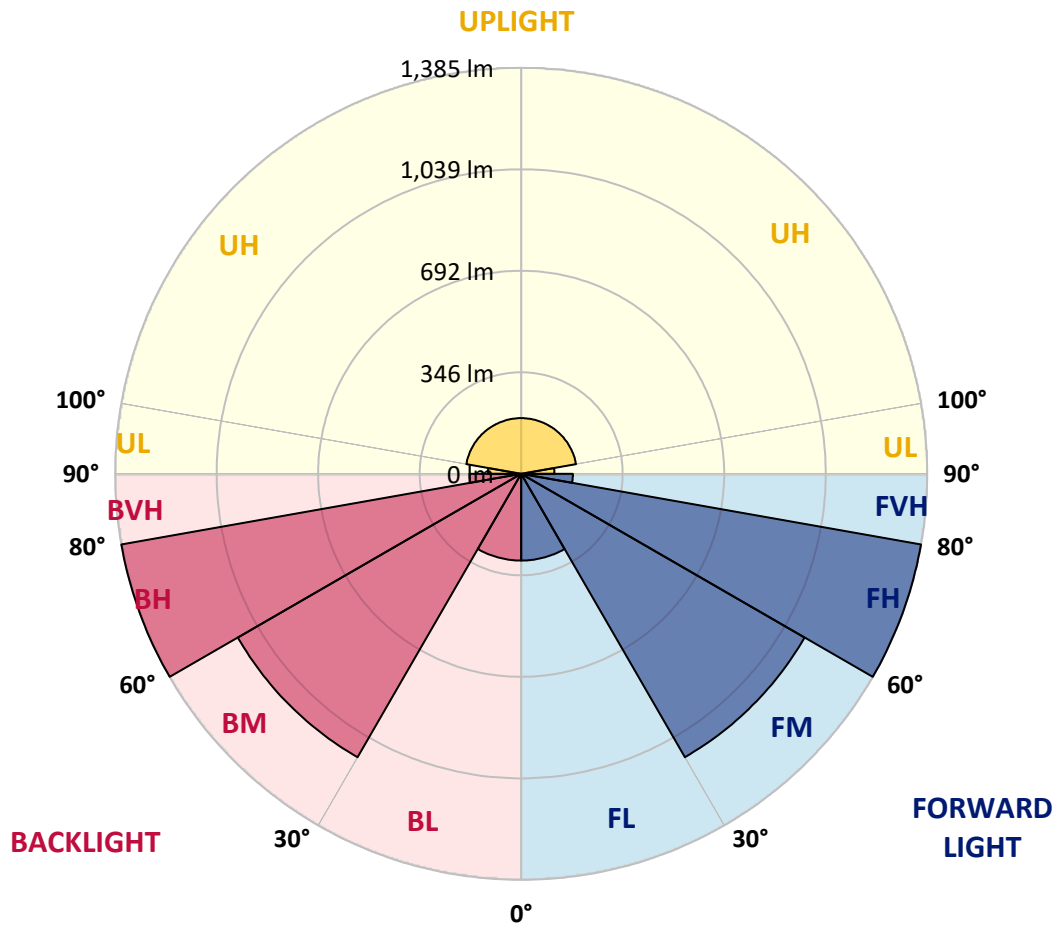
CATALOG NUMBER: CRTK-N-50-740-U-T5R-CNR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.8	4.7			
FM	(30°-60°)	1116.3	17.9			
FH	(60°-80°)	1384.9	22.2			G1/1800
FVH	(80°-90°)	176.3	2.8			G2/225
BL	(0°-30°)	295.8	4.7	B1/500		
BM	(30°-60°)	1116.3	17.9	B2/2500		
BH	(60°-80°)	1384.9	22.2	B3/2500		G1/1800
BVH	(80°-90°)	176.3	2.8			G2/225
UL	(90°-100°)	113.7	1.8		U3/500	
UH	(100°-180°)	189.9	3.0		U3/500	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P853467

CATALOG NUMBER: CRTK-N-50-740-U-T5R-CNR

CANDELA DISTRIBUTION (FULL):

0°	
0°	651.6
2.5°	653.3
5°	660.4
7.5°	665.7
10°	672.8
12.5°	685.2
15°	694.1
17.5°	708.2
20°	722.4
22.5°	704.7
25°	697.6
27.5°	718.8
30°	738.3
32.5°	756.0
35°	775.5
37.5°	796.7
40°	823.3
42.5°	855.2
45°	881.7
47.5°	872.9
50°	975.6
52.5°	1051.7
55°	1172.1
57.5°	1294.3
60°	1428.8
62.5°	1568.7
65°	1694.4
67.5°	1740.4
70°	1643.1
72.5°	1381.0
75°	1085.3
77.5°	787.9
80°	541.8
82.5°	394.8
85°	301.0
87.5°	239.0
90°	177.1
92.5°	125.7
95°	97.4
97.5°	74.4
100°	60.2
102.5°	62.0
105°	76.1
107.5°	99.2
110°	108.0

REPORT NUMBER: P853467

CATALOG NUMBER: CRTK-N-50-740-U-T5R-CNR

CANDELA DISTRIBUTION (continued):

	0°
112.5°	86.8
115°	67.3
117.5°	44.3
120°	31.9
122.5°	26.6
125°	23.0
127.5°	19.5
130°	15.9
132.5°	14.2
135°	12.4
137.5°	10.6
140°	8.9
142.5°	7.1
145°	7.1
147.5°	7.1
150°	5.3
152.5°	5.3
155°	5.3
157.5°	3.5
160°	3.5
162.5°	3.5
165°	3.5
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)