

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: P691824

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-19)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10590 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



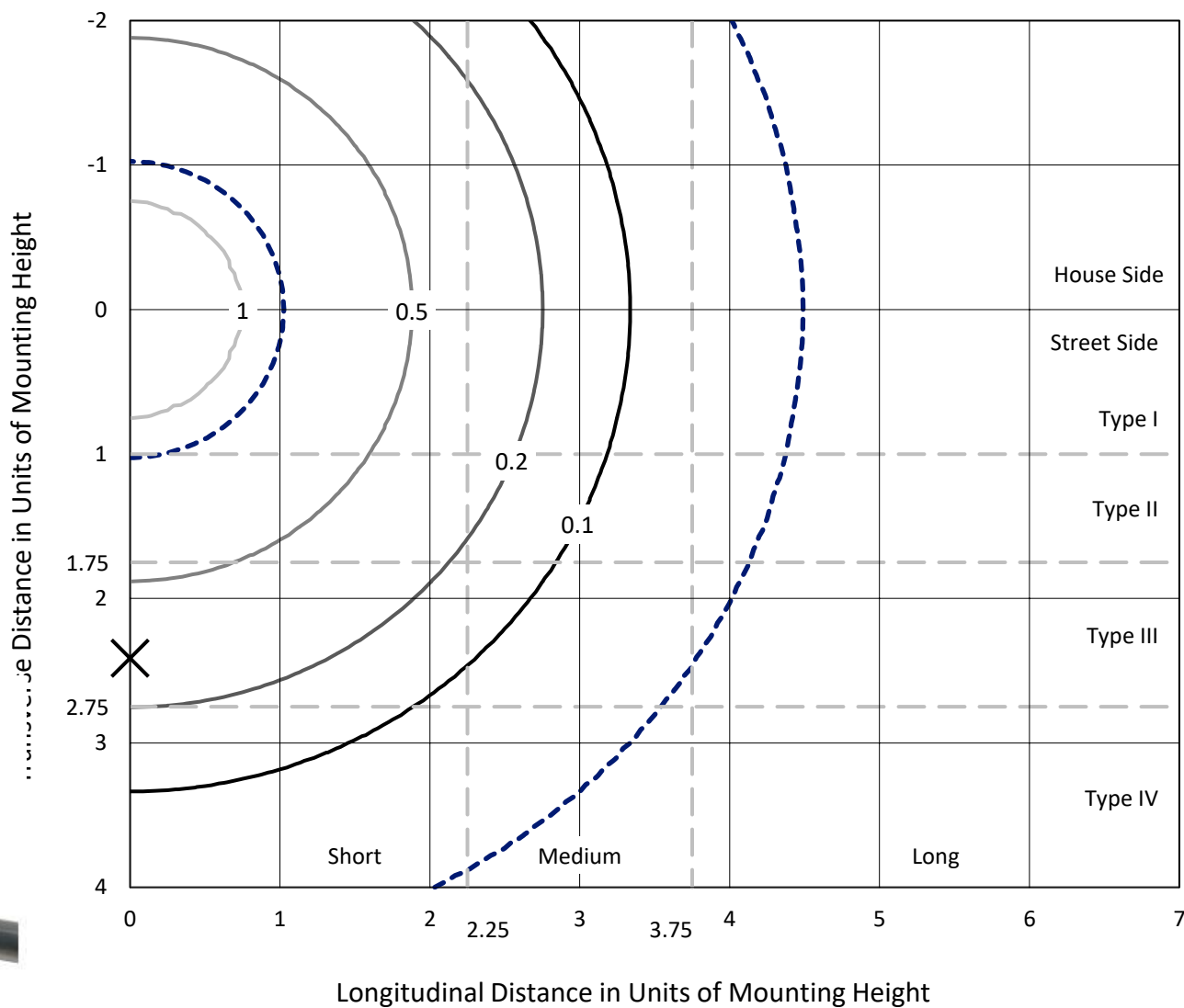
REPORT NUMBER: P691824

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

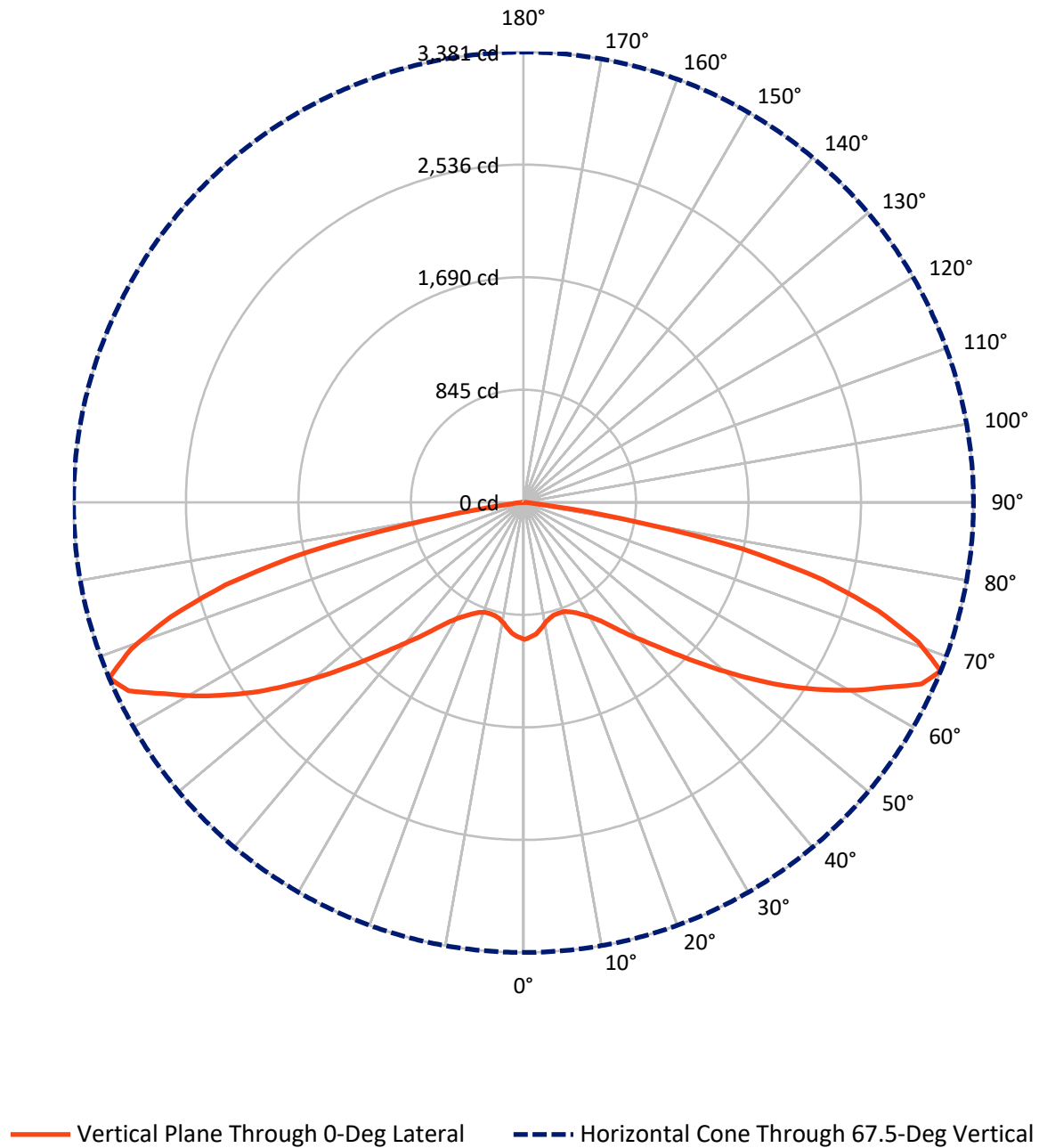


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P691824

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691824

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0

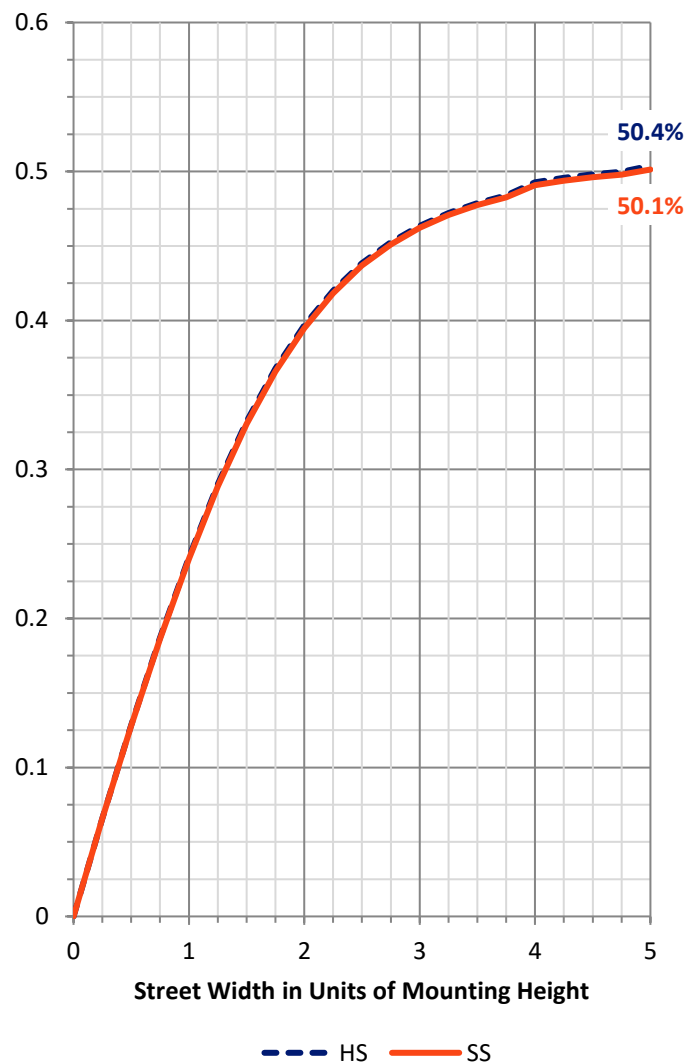
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5295.0	0.0	5295.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5295.0	0.0	5295.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10590.0	0.0	10590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	0.9
10°-20°	249.9	2.4
20°-30°	430.6	4.1
30°-40°	731.3	6.9
40°-50°	1290.2	12.2
50°-60°	2198.9	20.8
60°-70°	3162.7	29.9
70°-80°	2299.8	21.7
80°-90°	134.2	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10590.0	100.0
0°-180°	10590.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691824

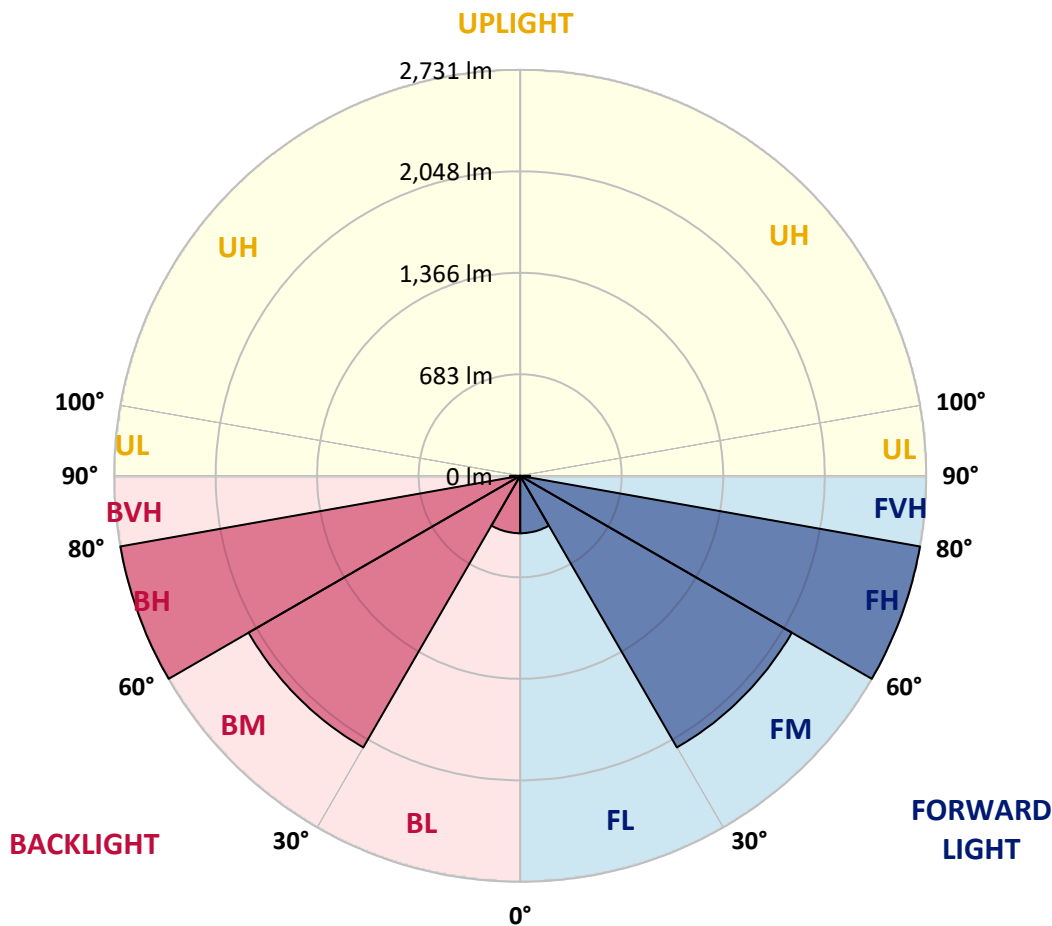
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	386.4	3.6			
FM	(30°-60°)	2110.2	19.9			
FH	(60°-80°)	2731.3	25.8			G2/5000
FVH	(80°-90°)	67.1	0.6			G1/100
BL	(0°-30°)	386.4	3.6	B1/500		
BM	(30°-60°)	2110.2	19.9	B2/2500		
BH	(60°-80°)	2731.3	25.8	B4/5000		G2/5000
BVH	(80°-90°)	67.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P691824

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0

CANDELA DISTRIBUTION (FULL):

0°	
0°	1030.0
2.5°	1013.2
5°	993.2
7.5°	956.4
10°	916.3
12.5°	889.5
15°	876.1
17.5°	872.8
20°	876.1
22.5°	892.8
25°	919.6
27.5°	956.4
30°	999.9
32.5°	1060.0
35°	1143.6
37.5°	1247.3
40°	1354.3
42.5°	1484.7
45°	1638.6
47.5°	1819.1
50°	2016.4
52.5°	2227.1
55°	2447.8
57.5°	2655.1
60°	2865.8
62.5°	3059.8
65°	3287.1
67.5°	3380.8
70°	3146.7
72.5°	2785.5
75°	2320.7
77.5°	1675.3
80°	749.1
82.5°	97.0
85°	20.1
87.5°	3.3
90°	0.0

(END OF REPORT)