

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: P690918

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690918
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-C01-5TLD-U-T5R-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8012 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 60
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

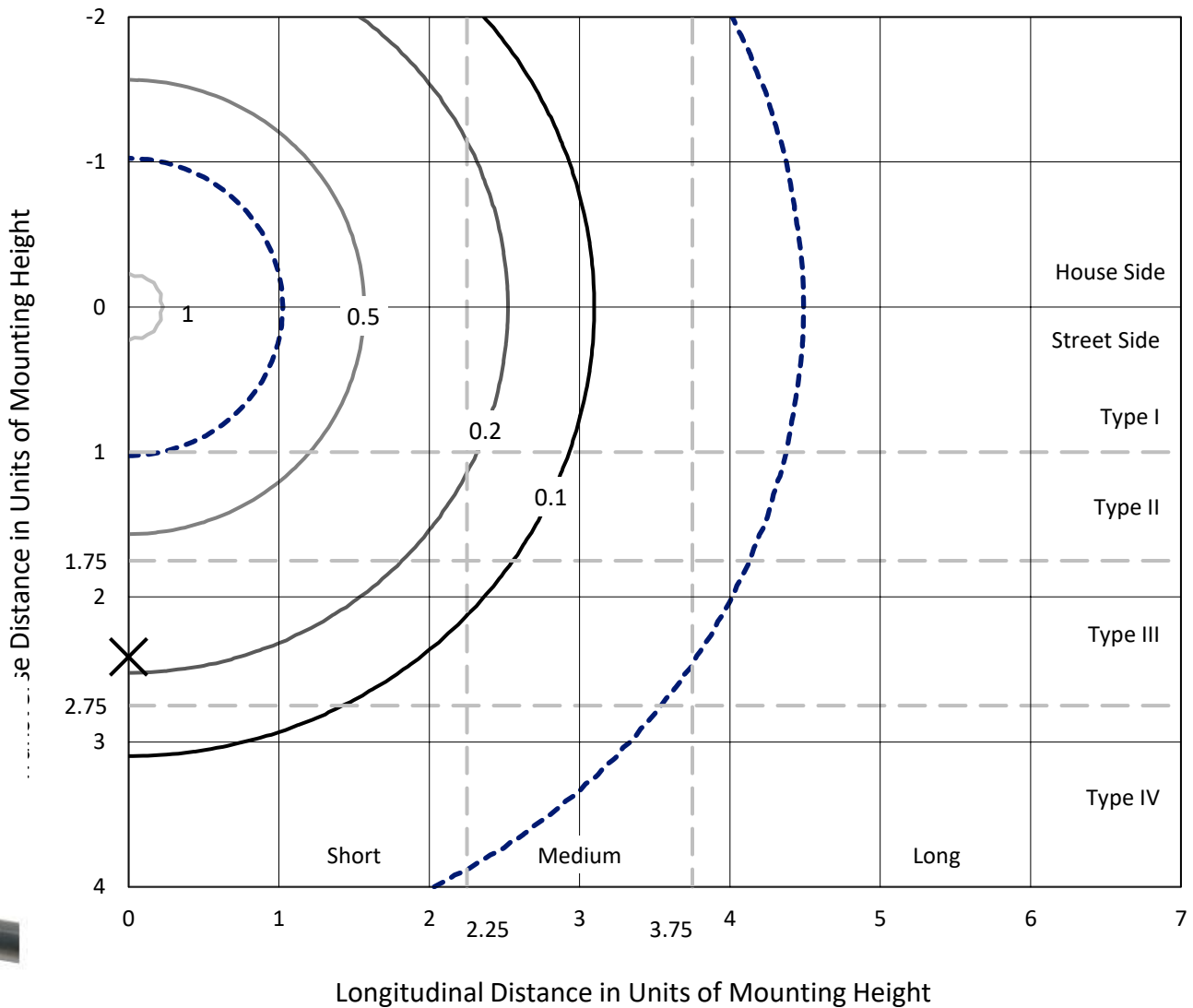


REPORT NUMBER: P690918

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-U0

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

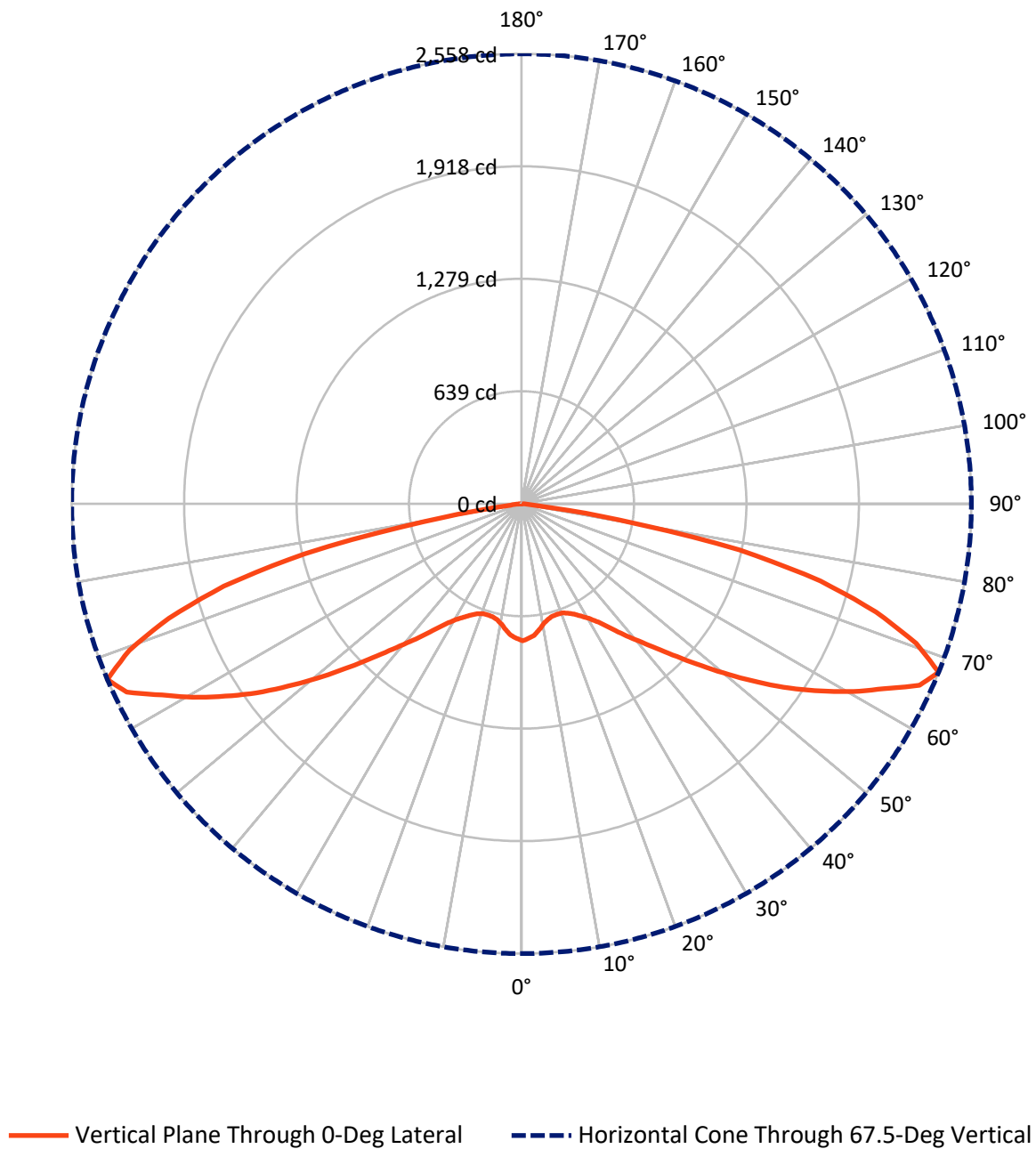


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type V - Short - N/A

REPORT NUMBER: P690918

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P690918

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-U0

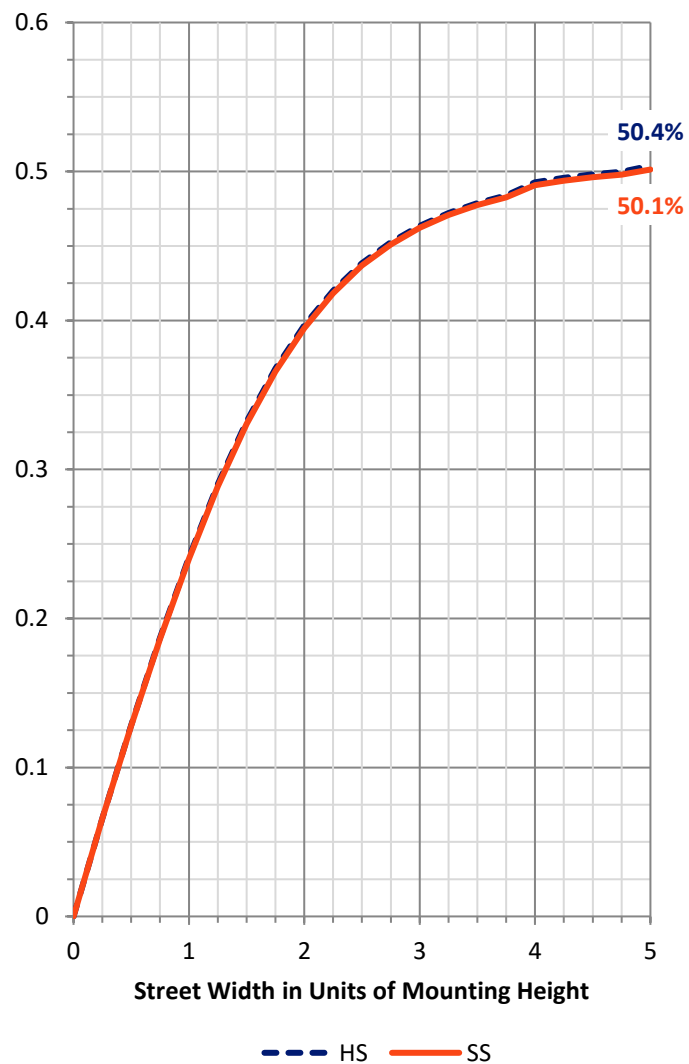
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4006.0	0.0	4006.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4006.0	0.0	4006.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8012.0	0.0	8012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	0.9
10°-20°	189.1	2.4
20°-30°	325.8	4.1
30°-40°	553.3	6.9
40°-50°	976.2	12.2
50°-60°	1663.6	20.8
60°-70°	2392.8	29.9
70°-80°	1740.0	21.7
80°-90°	101.6	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°	8012.0	100.0
0°-180°	8012.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690918

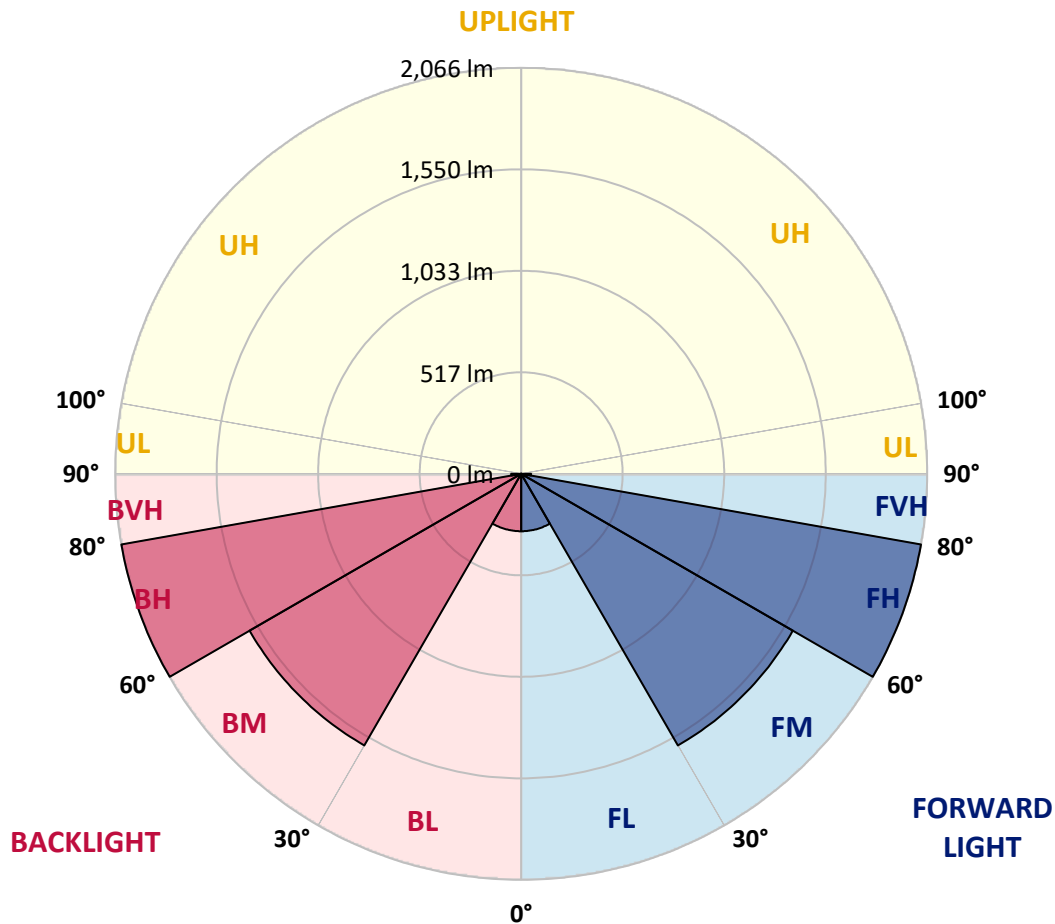
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.3	3.6			
FM	(30°-60°)	1596.5	19.9			
FH	(60°-80°)	2066.4	25.8			G2/5000
FVH	(80°-90°)	50.8	0.6			G1/100
BL	(0°-30°)	292.3	3.6	B1/500		
BM	(30°-60°)	1596.5	19.9	B2/2500		
BH	(60°-80°)	2066.4	25.8	B3/2500		G2/5000
BVH	(80°-90°)	50.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P690918

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-U0

CANDELA DISTRIBUTION (FULL):

0°	
0°	779.2
2.5°	766.6
5°	751.4
7.5°	723.6
10°	693.2
12.5°	673.0
15°	662.8
17.5°	660.3
20°	662.8
22.5°	675.5
25°	695.7
27.5°	723.6
30°	756.5
32.5°	802.0
35°	865.2
37.5°	943.7
40°	1024.6
42.5°	1123.3
45°	1239.7
47.5°	1376.3
50°	1525.6
52.5°	1684.9
55°	1851.9
57.5°	2008.8
60°	2168.2
62.5°	2314.9
65°	2486.9
67.5°	2557.8
70°	2380.7
72.5°	2107.4
75°	1755.8
77.5°	1267.5
80°	566.7
82.5°	73.4
85°	15.2
87.5°	2.5
90°	0.0

(END OF REPORT)