

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: P691456

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691456
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-C016-5TLD-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: 6514.1 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 42.8
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



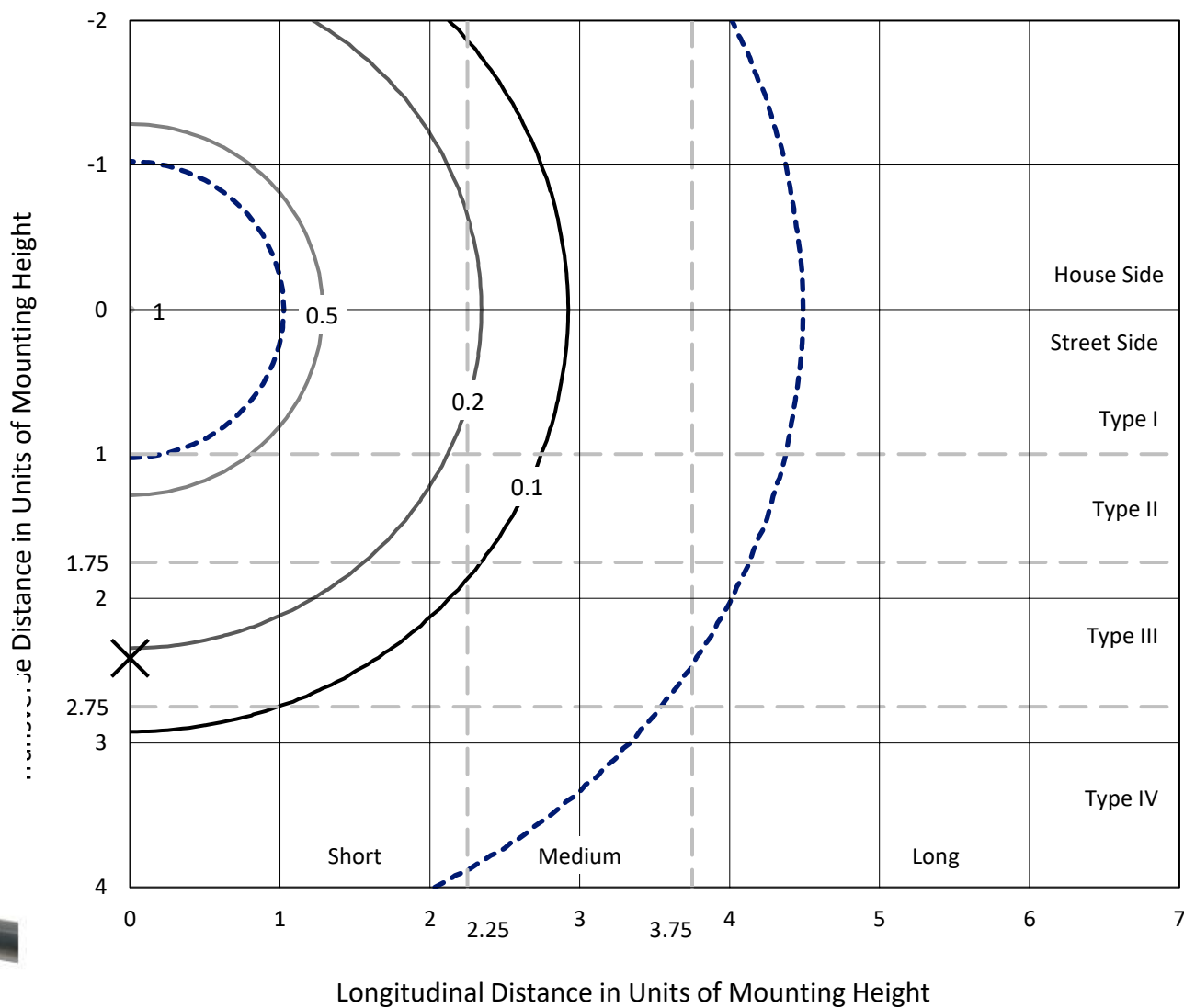
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

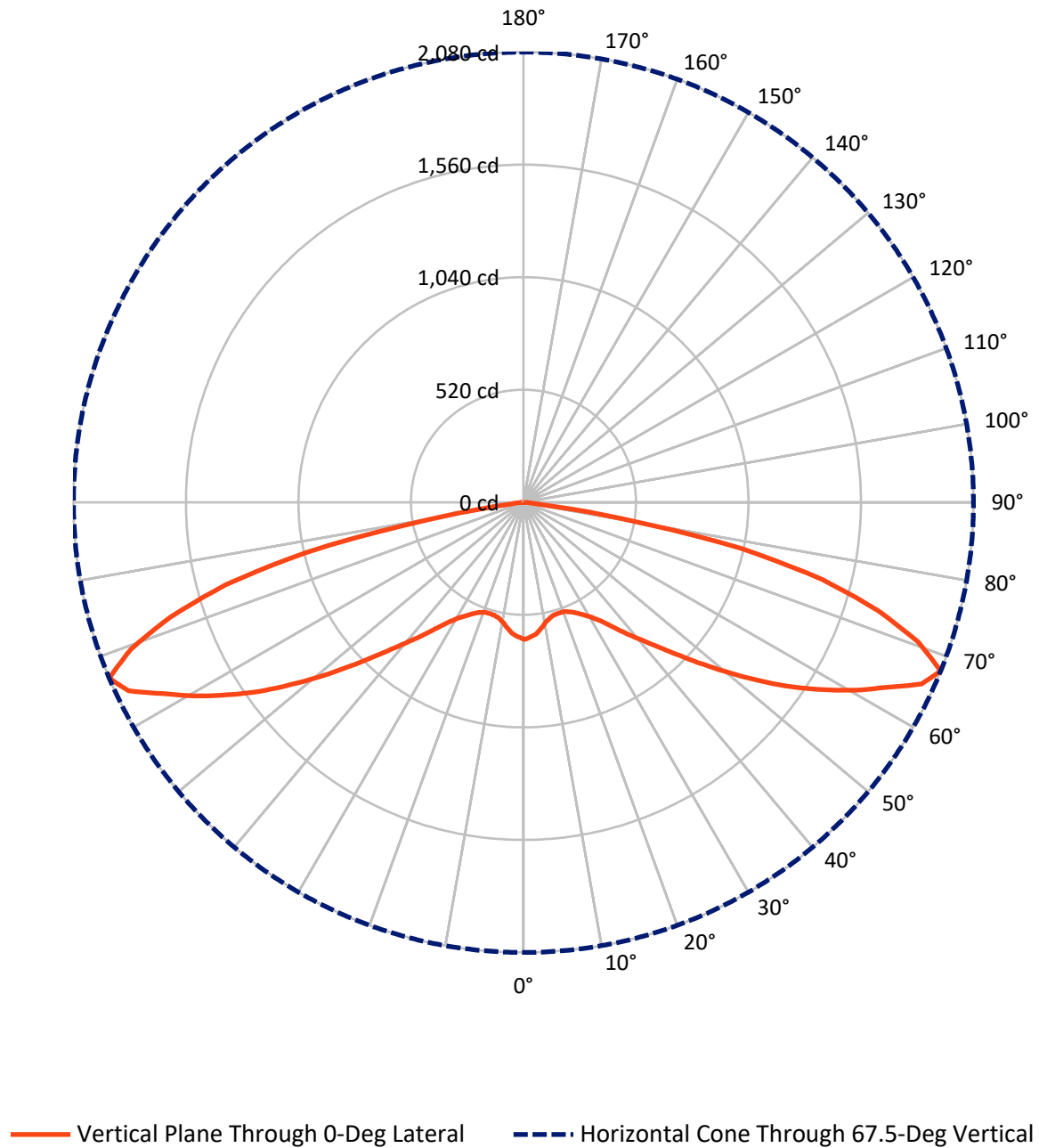


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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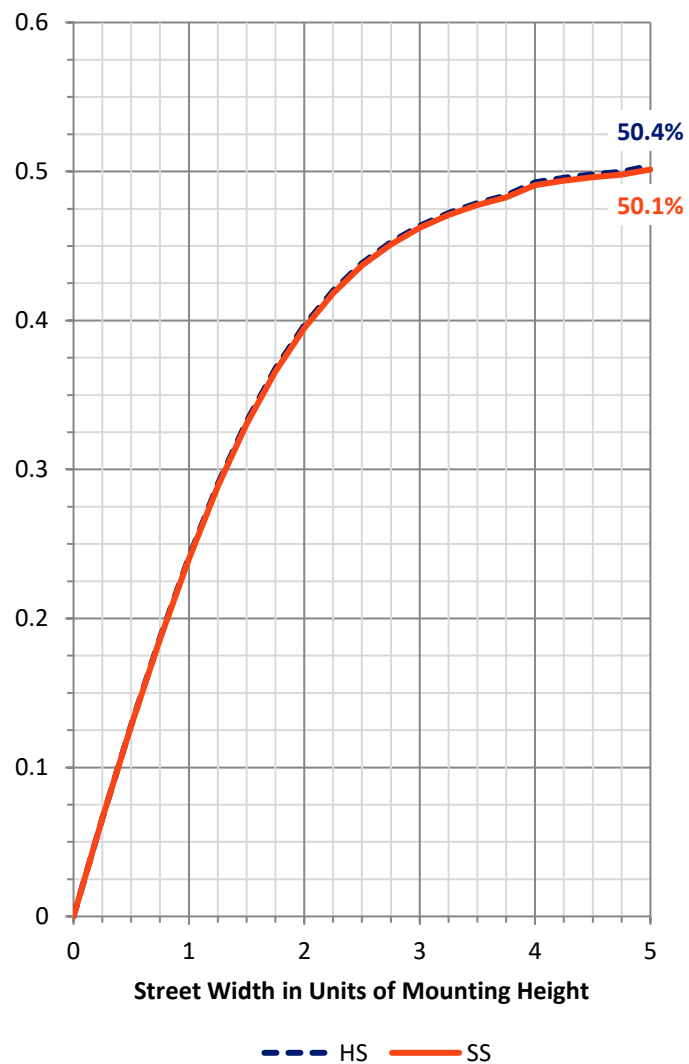
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3257.0	0.0	3257.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3257.0	0.0	3257.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6514.1	0.0	6514.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	0.9
10°-20°	153.7	2.4
20°-30°	264.9	4.1
30°-40°	449.8	6.9
40°-50°	793.6	12.2
50°-60°	1352.6	20.8
60°-70°	1945.4	29.9
70°-80°	1414.7	21.7
80°-90°	82.6	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°	6514.1	100.0
0°-180°	6514.1	100.0

Coefficient of Utilization



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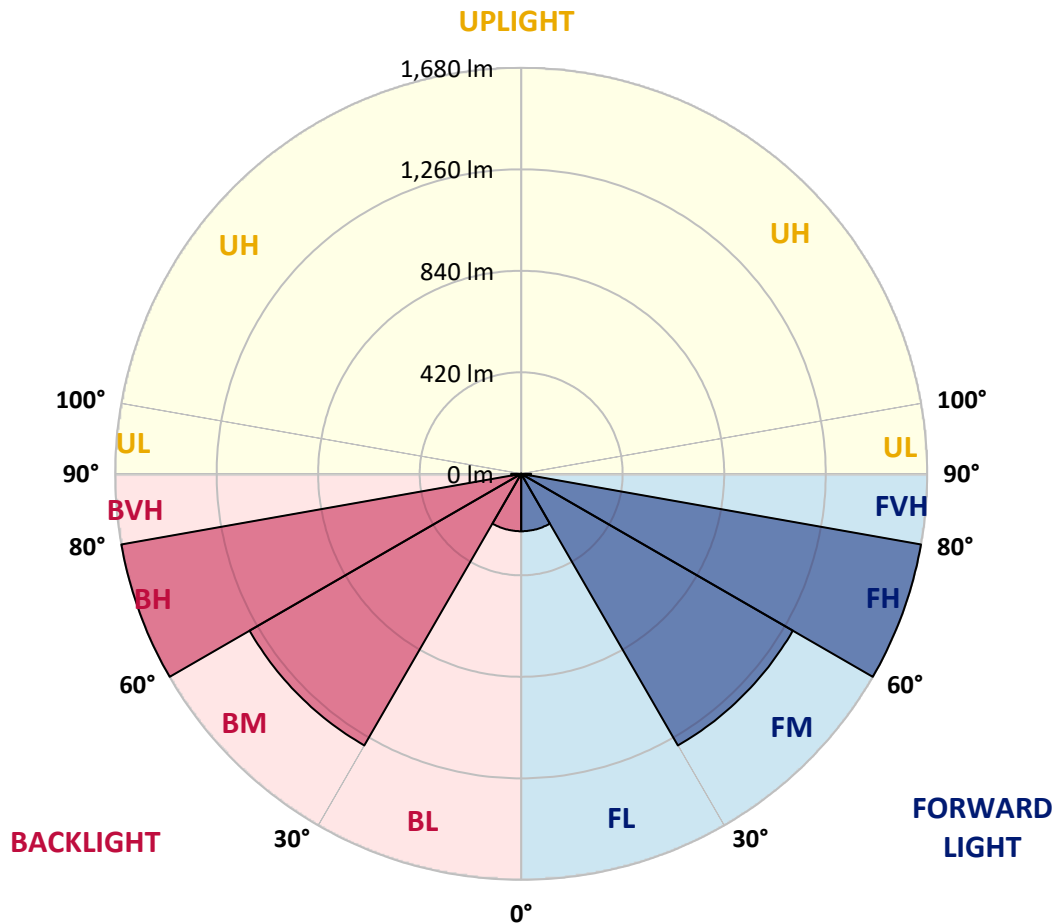
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.7	3.6			
FM	(30°-60°)	1298.0	19.9			
FH	(60°-80°)	1680.0	25.8			G1/1800
FVH	(80°-90°)	41.3	0.6			G1/100
BL	(0°-30°)	237.7	3.6	B1/500		
BM	(30°-60°)	1298.0	19.9	B2/2500		
BH	(60°-80°)	1680.0	25.8	B3/2500		G1/1800
BVH	(80°-90°)	41.3	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	633.5
2.5°	623.2
5°	610.9
7.5°	588.3
10°	563.6
12.5°	547.1
15°	538.9
17.5°	536.9
20°	538.9
22.5°	549.2
25°	565.7
27.5°	588.3
30°	615.0
32.5°	652.0
35°	703.5
37.5°	767.2
40°	833.1
42.5°	913.3
45°	1007.9
47.5°	1119.0
50°	1240.3
52.5°	1369.9
55°	1505.7
57.5°	1633.2
60°	1762.8
62.5°	1882.1
65°	2022.0
67.5°	2079.5
70°	1935.6
72.5°	1713.4
75°	1427.5
77.5°	1030.5
80°	460.8
82.5°	59.7
85°	12.3
87.5°	2.1
90°	0.0

(END OF REPORT)