

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: P691470

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691470
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-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: 5721 lumens
Efficiency: N/A
Efficacy: 133.7 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

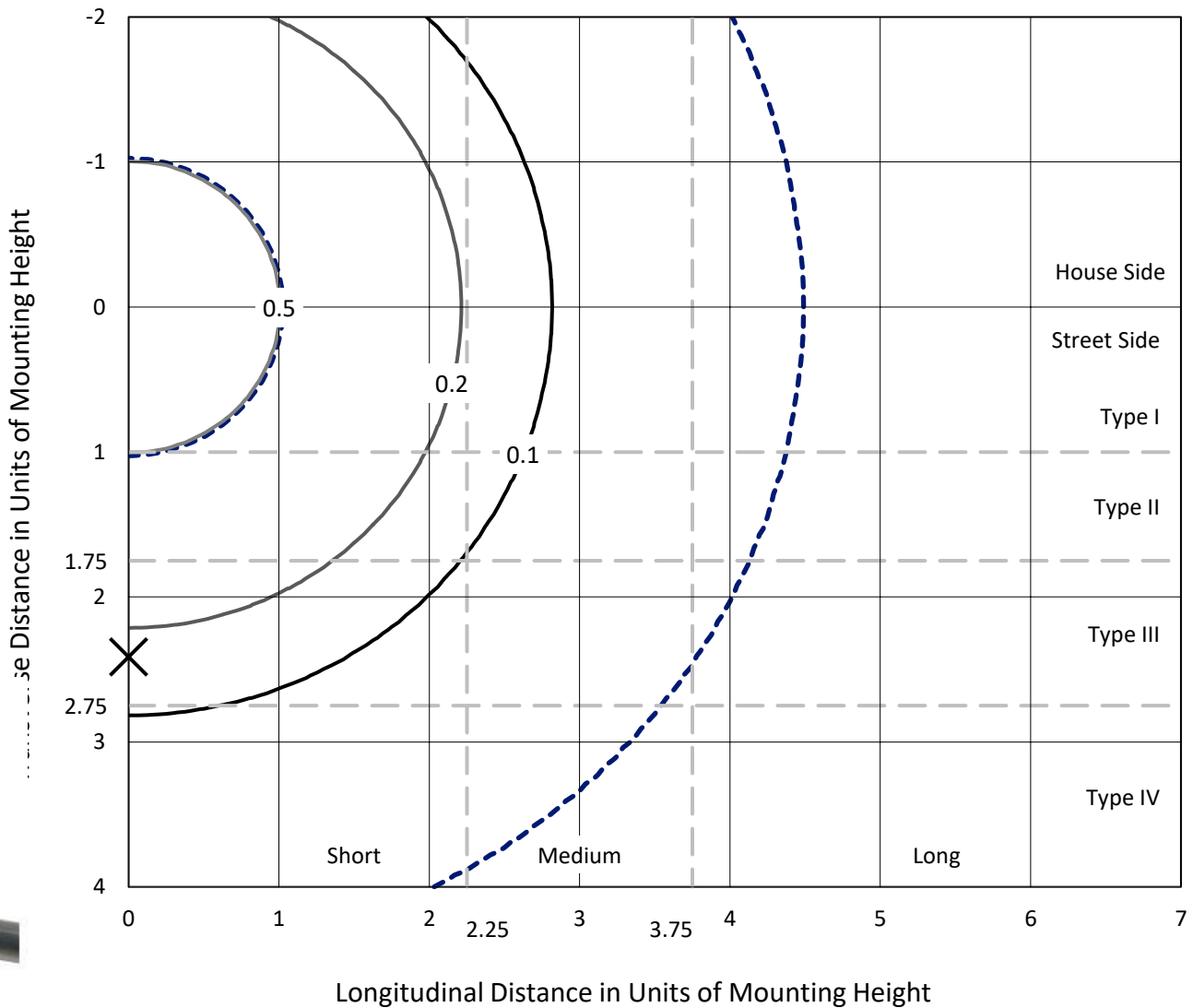


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

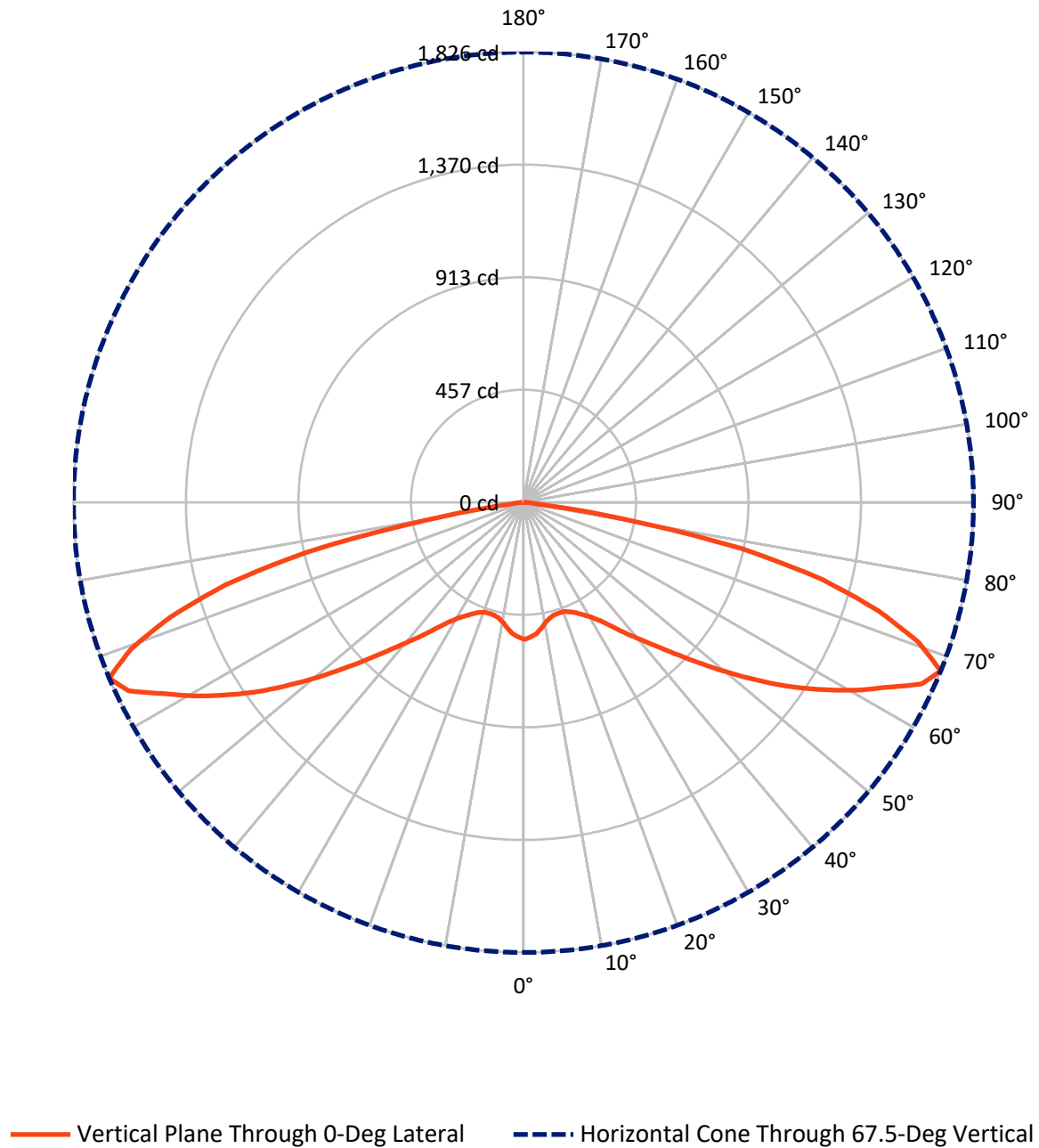


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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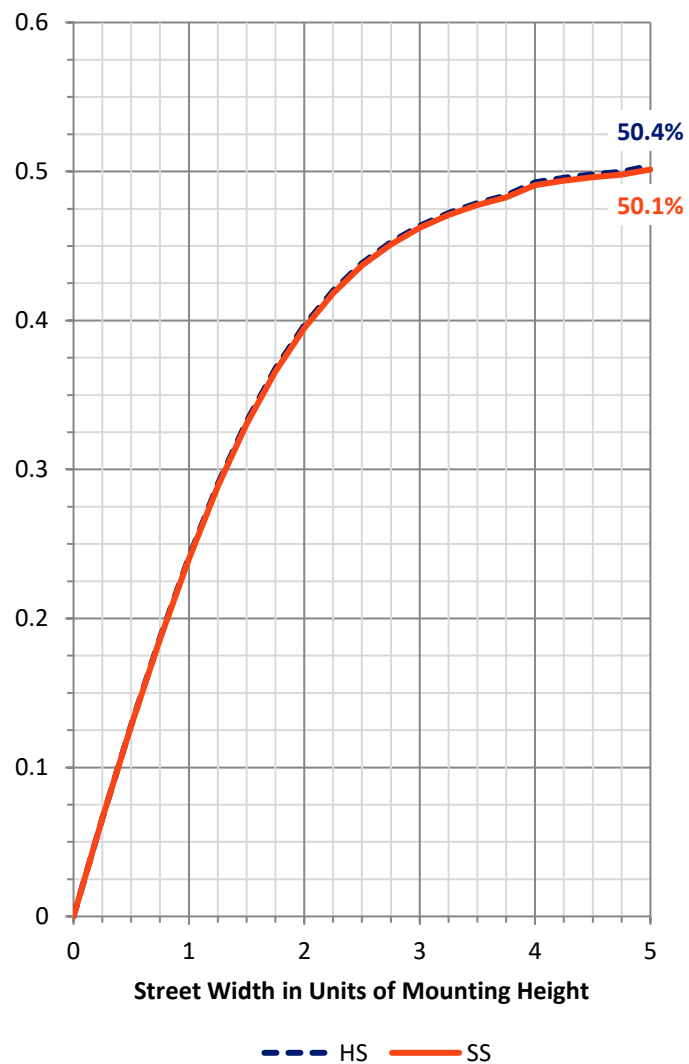
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2860.5	0.0	2860.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2860.5	0.0	2860.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5721.0	0.0	5721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	0.9
10°-20°	135.0	2.4
20°-30°	232.6	4.1
30°-40°	395.0	6.9
40°-50°	697.0	12.2
50°-60°	1187.9	20.8
60°-70°	1708.6	29.9
70°-80°	1242.4	21.7
80°-90°	72.5	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°	5721.0	100.0
0°-180°	5721.0	100.0

Coefficient of Utilization



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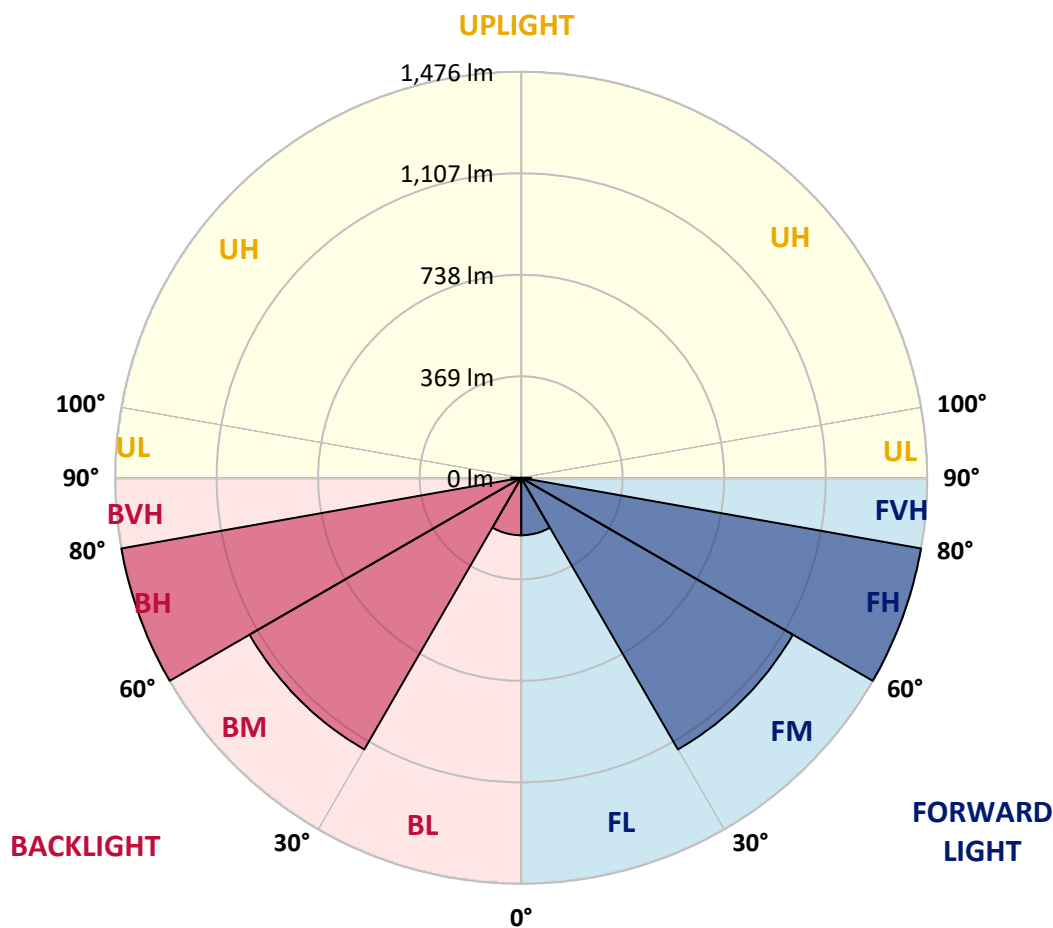
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.7	3.6			
FM	(30°-60°)	1140.0	19.9			
FH	(60°-80°)	1475.5	25.8			G1/1800
FVH	(80°-90°)	36.3	0.6			G1/100
BL	(0°-30°)	208.7	3.6	B1/500		
BM	(30°-60°)	1140.0	19.9	B2/2500		
BH	(60°-80°)	1475.5	25.8	B3/2500		G1/1800
BVH	(80°-90°)	36.3	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°	556.4
2.5°	547.4
5°	536.5
7.5°	516.7
10°	495.0
12.5°	480.5
15°	473.3
17.5°	471.5
20°	473.3
22.5°	482.3
25°	496.8
27.5°	516.7
30°	540.1
32.5°	572.7
35°	617.8
37.5°	673.8
40°	731.6
42.5°	802.1
45°	885.2
47.5°	982.7
50°	1089.3
52.5°	1203.1
55°	1322.4
57.5°	1434.4
60°	1548.2
62.5°	1653.0
65°	1775.8
67.5°	1826.4
70°	1699.9
72.5°	1504.8
75°	1253.7
77.5°	905.1
80°	404.7
82.5°	52.4
85°	10.8
87.5°	1.8
90°	0.0

(END OF REPORT)