

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: P14231

Luminaire Tested: **CRTK-X-A08-E-120-5-5000**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14231
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-X-A08-E-120-5-5000
Description: STREETWORKS CARETAKER, TYPE 5, 8 LED
Light Source: [8]5000K LEDS
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5211.7 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

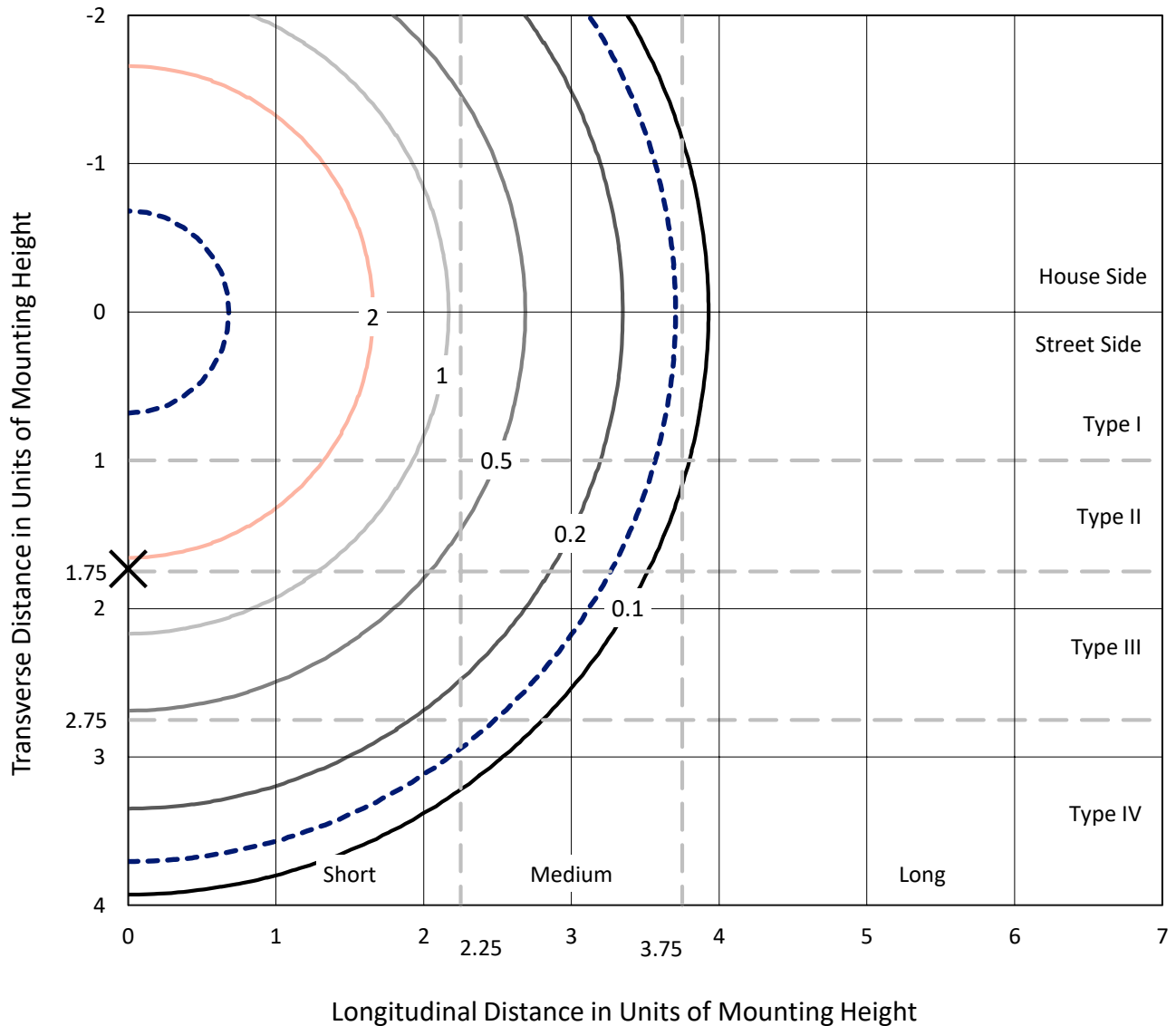
Input Watts (W): 49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

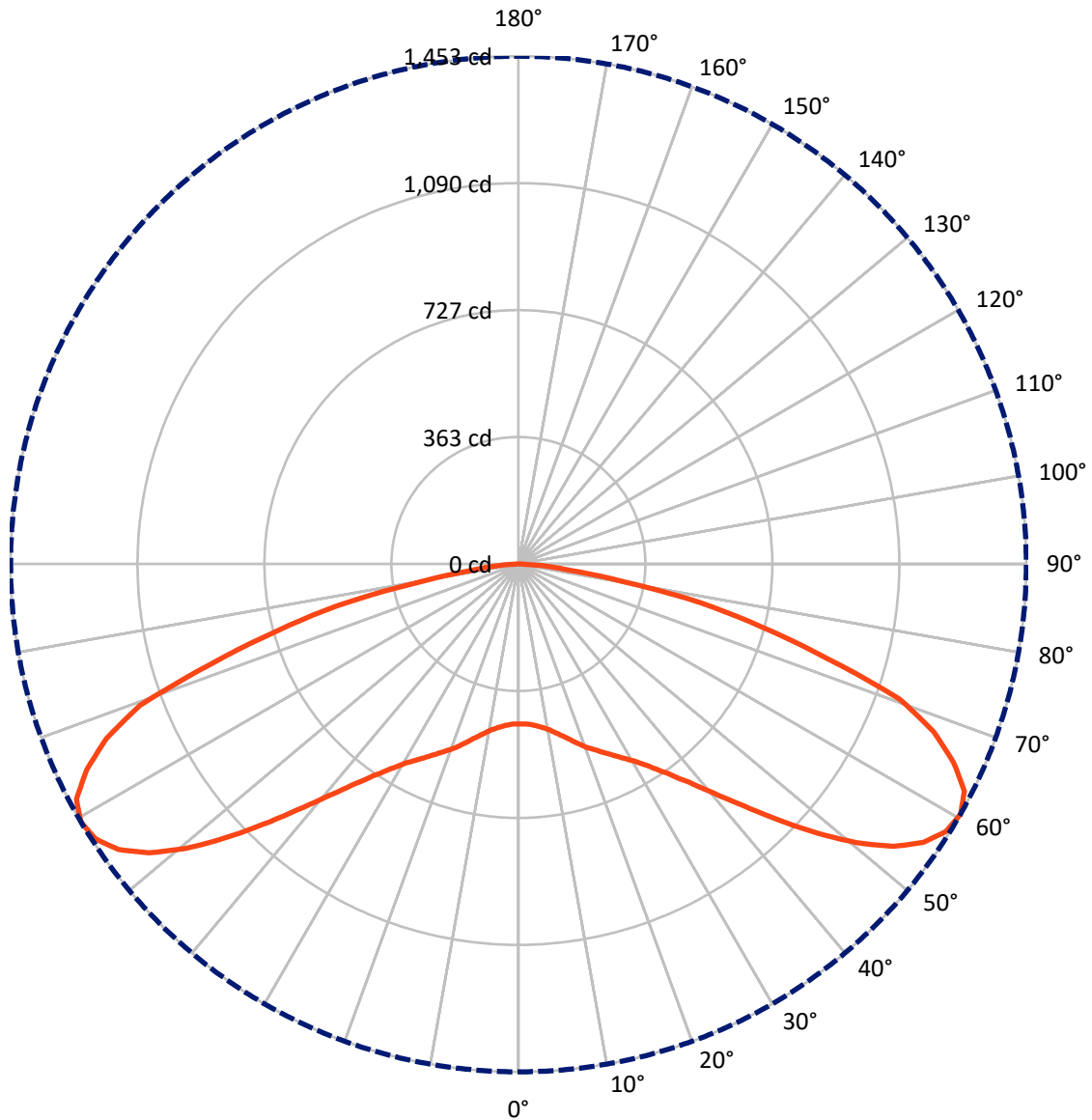
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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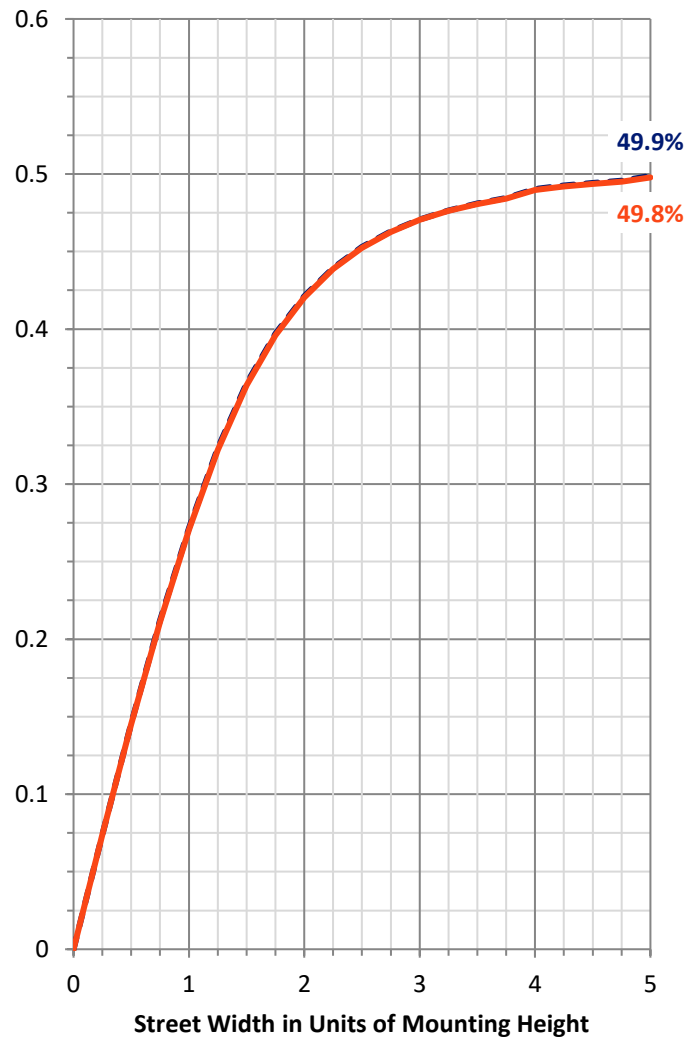
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2605.9	0.0	2605.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2605.9	0.0	2605.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5211.7	0.0	5211.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	0.9
10°-20°	148.0	2.8
20°-30°	280.8	5.4
30°-40°	470.1	9.0
40°-50°	817.1	15.7
50°-60°	1245.2	23.9
60°-70°	1334.6	25.6
70°-80°	764.7	14.7
80°-90°	106.4	2.0
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°	5211.7	100.0
0°-180°	5211.7	100.0



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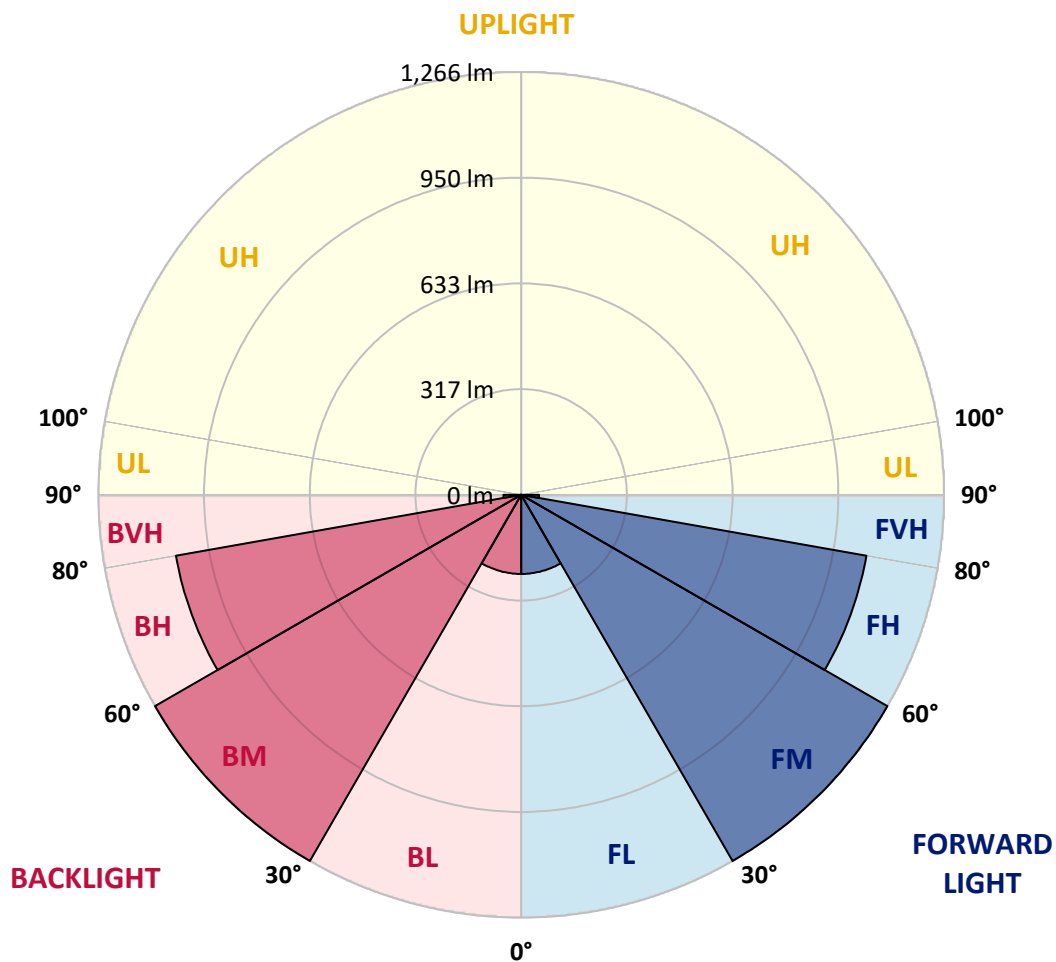
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.8	4.5			
FM (30°-60°)	1266.2	24.3			
FH (60°-80°)	1049.6	20.1			G1/1800
FVH (80°-90°)	53.2	1.0			G1/100
BL (0°-30°)	236.8	4.5	B1/500		
BM (30°-60°)	1266.2	24.3	B2/2500		
BH (60°-80°)	1049.6	20.1	B3/2500		G1/1800
BVH (80°-90°)	53.2	1.0			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°	458
2.5°	458
5°	463
7.5°	471
10°	482
12.5°	498
15°	516
17.5°	538
20°	560
22.5°	580
25°	602
27.5°	627
30°	654
32.5°	691
35°	736
37.5°	792
40°	862
42.5°	946
45°	1045
47.5°	1150
50°	1253
52.5°	1342
55°	1406
57.5°	1443
60°	1453
62.5°	1432
65°	1368
67.5°	1281
70°	1156
72.5°	923
75°	717
77.5°	534
80°	303
82.5°	145
85°	79
87.5°	16
90°	0

(END OF REPORT)