

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: LUMARK

Report Number: P272224

Luminaire Tested: **CTKRV2B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P272224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-942-6)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: CTKRV2B  
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: 7110.1 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G2

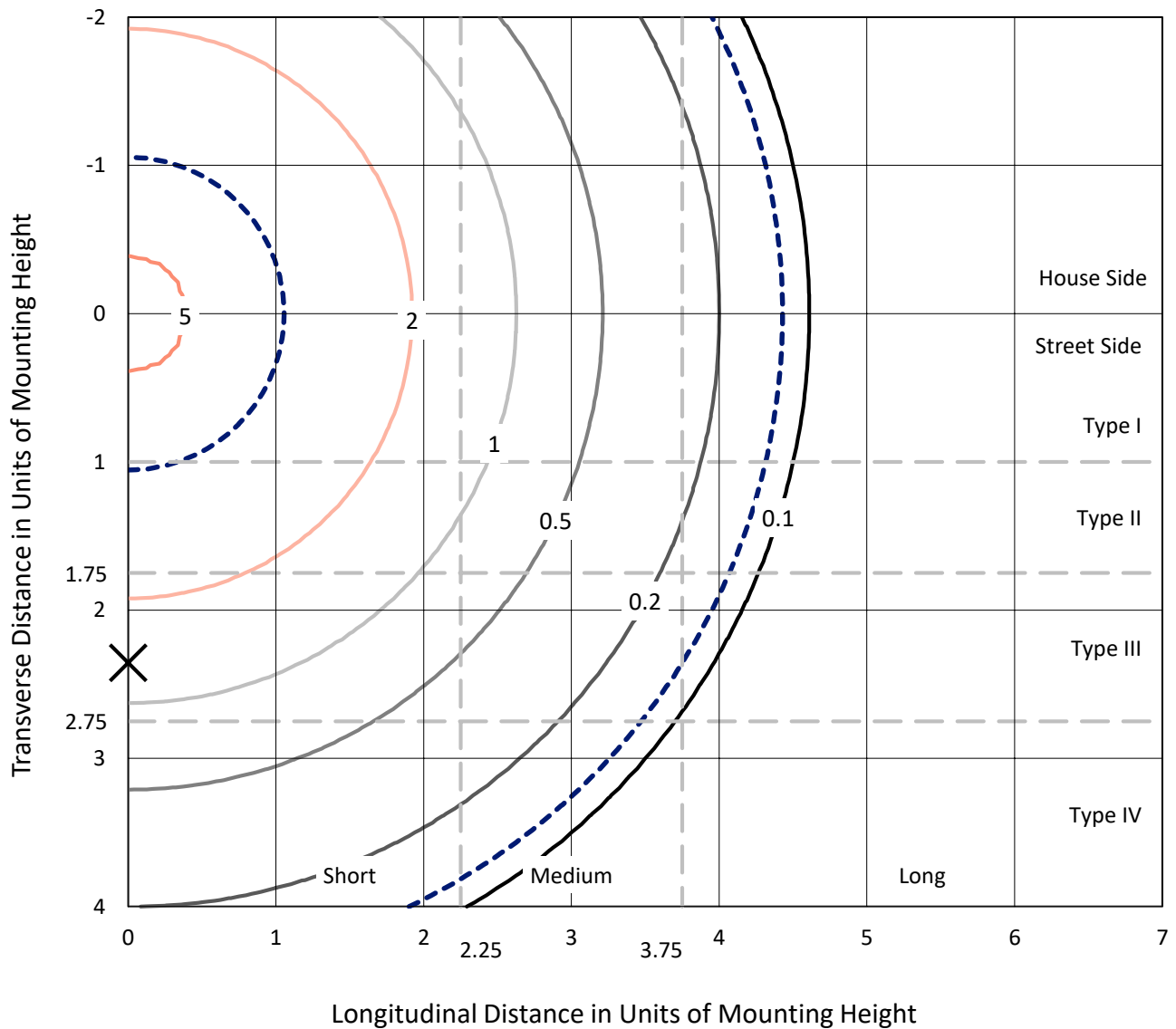
Input Watts (W): 49.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

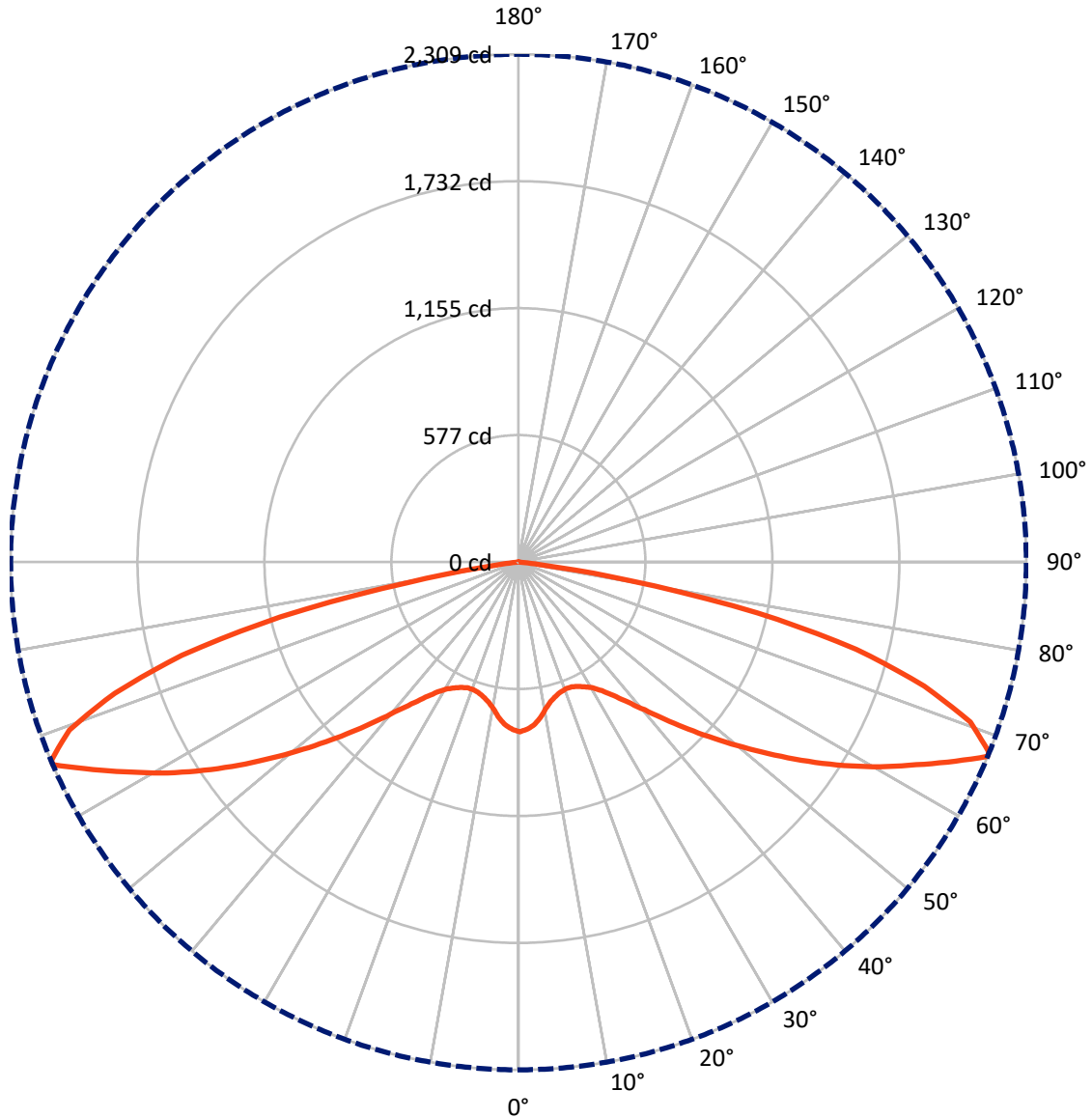
× Max cd  
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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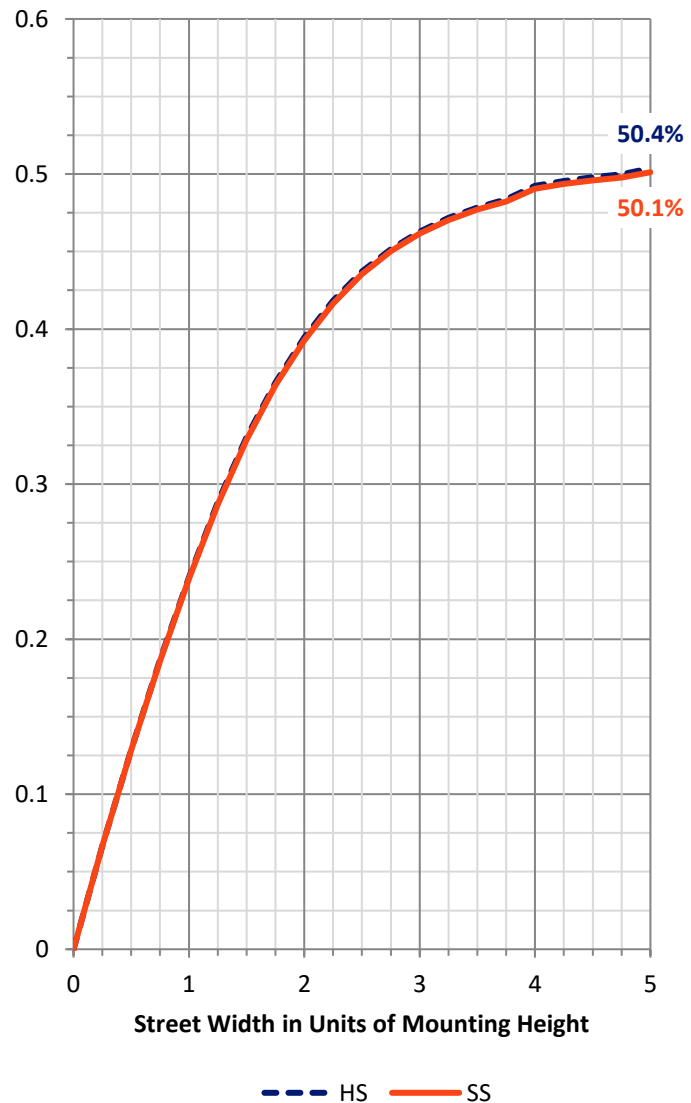
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3555.0	0.0	3555.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3555.0	0.0	3555.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7110.1	0.0	7110.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.9	1.0
10°-20°	179.9	2.5
20°-30°	292.8	4.1
30°-40°	477.3	6.7
40°-50°	849.1	11.9
50°-60°	1442.3	20.3
60°-70°	2128.7	29.9
70°-80°	1573.7	22.1
80°-90°	97.3	1.4
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°	7110.1	100.0
0°-180°	7110.1	100.0



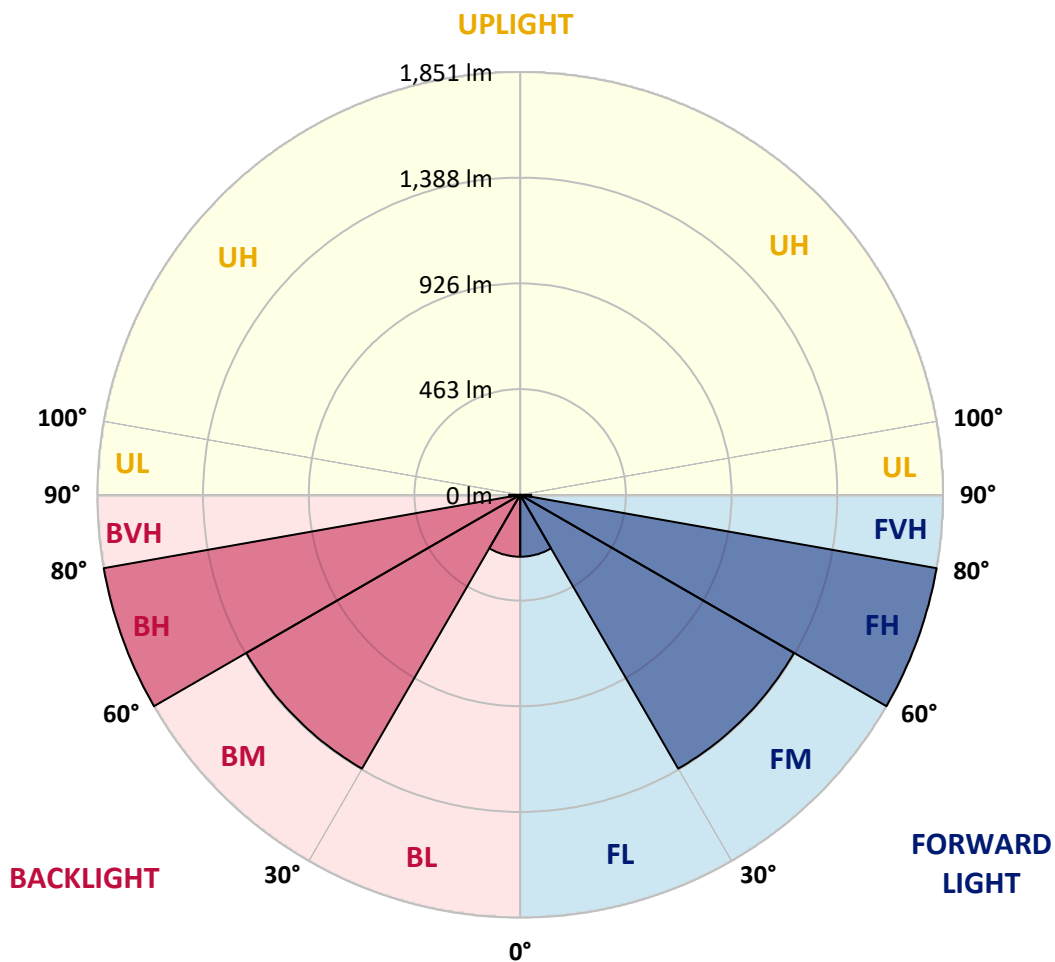
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.8	3.8			
FM (30°-60°)	1384.4	19.5			
FH (60°-80°)	1851.2	26.0			G2/5000
FVH (80°-90°)	48.7	0.7			G1/100
BL (0°-30°)	270.8	3.8	B1/500		
BM (30°-60°)	1384.4	19.5	B2/2500		
BH (60°-80°)	1851.2	26.0	B3/2500		G2/5000
BVH (80°-90°)	48.7	0.7			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



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	771.8
2.5°	761.4
5°	744.1
7.5°	715.0
10°	678.3
12.5°	651.2
15°	633.2
17.5°	620.8
20°	615.2
22.5°	616.6
25°	626.3
27.5°	642.2
30°	663.0
32.5°	697.0
35°	744.8
37.5°	807.1
40°	883.3
42.5°	976.9
45°	1083.6
47.5°	1197.9
50°	1322.6
52.5°	1457.7
55°	1599.7
57.5°	1745.2
60°	1890.0
62.5°	2029.9
65°	2183.0
67°	2309.1
67.5°	2306.4
70°	2179.6
72.5°	1929.5
75°	1587.2
77.5°	1112.0
80°	511.3
82.5°	92.1
85°	9.0
87.5°	2.1
90°	0.0

(END OF REPORT)