

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: P272223

Luminaire Tested: **CTKRV1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P272223
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: CTKRV1B
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: 4515 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

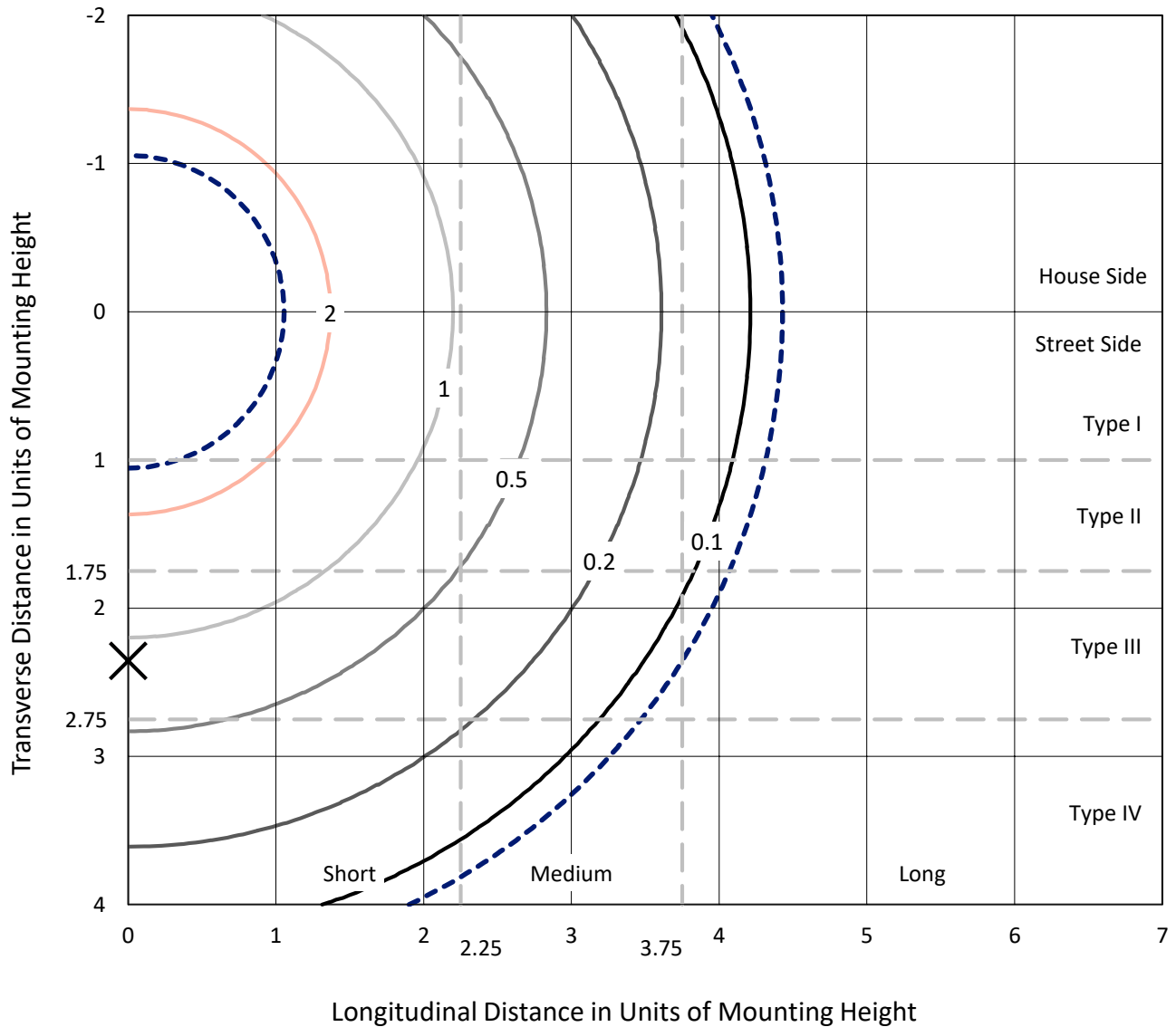
Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

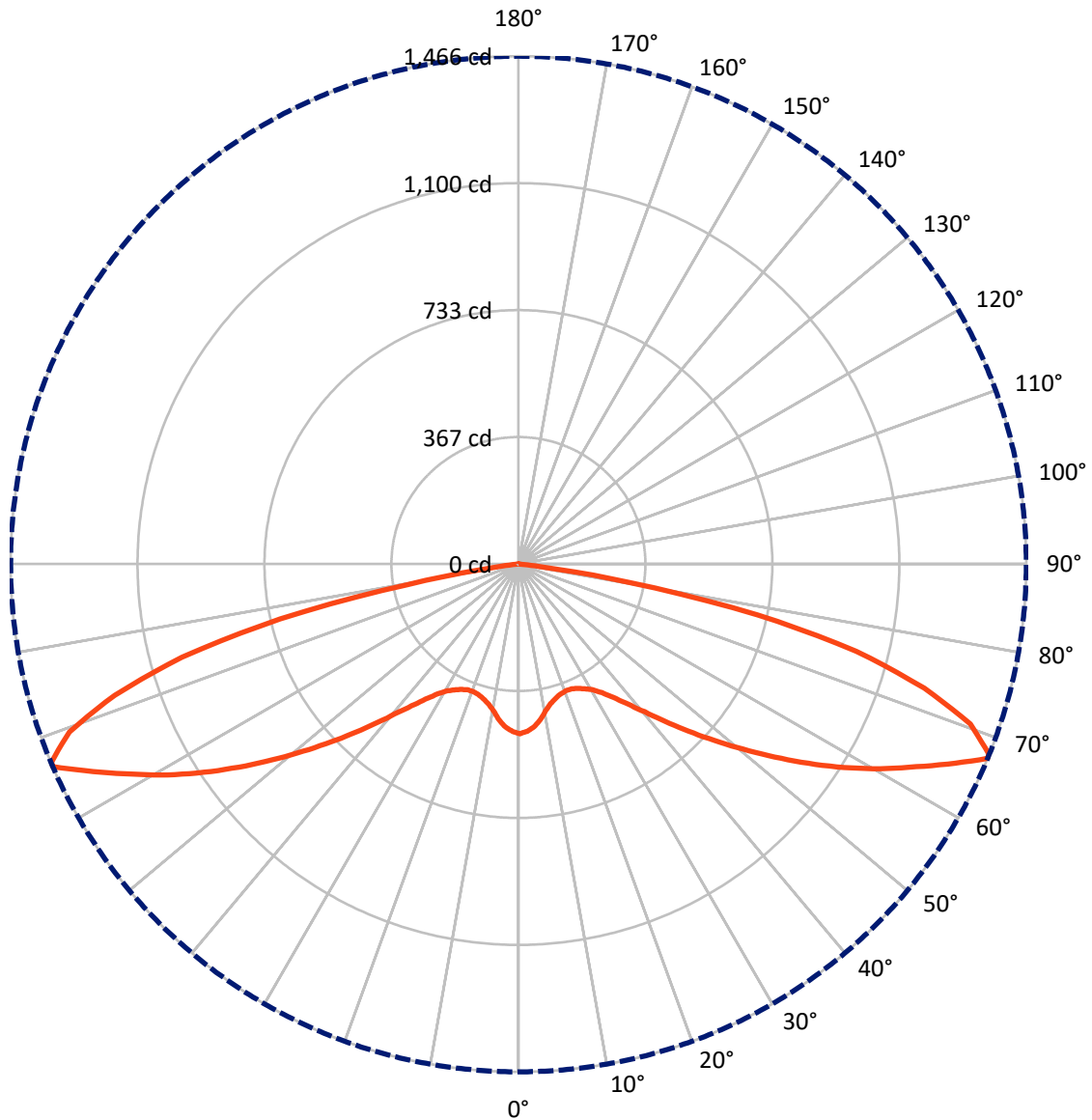
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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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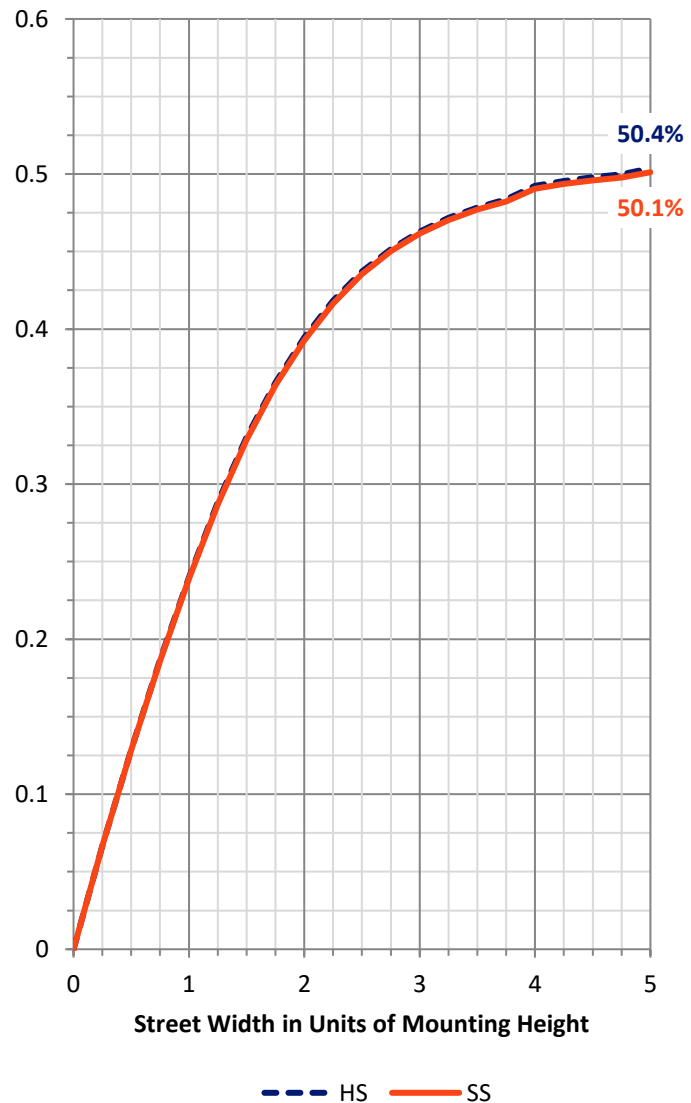
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2257.5	0.0	2257.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2257.5	0.0	2257.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4515.0	0.0	4515.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	1.0
10°-20°	114.3	2.5
20°-30°	185.9	4.1
30°-40°	303.1	6.7
40°-50°	539.2	11.9
50°-60°	915.9	20.3
60°-70°	1351.8	29.9
70°-80°	999.3	22.1
80°-90°	61.8	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°	4515.0	100.0
0°-180°	4515.0	100.0



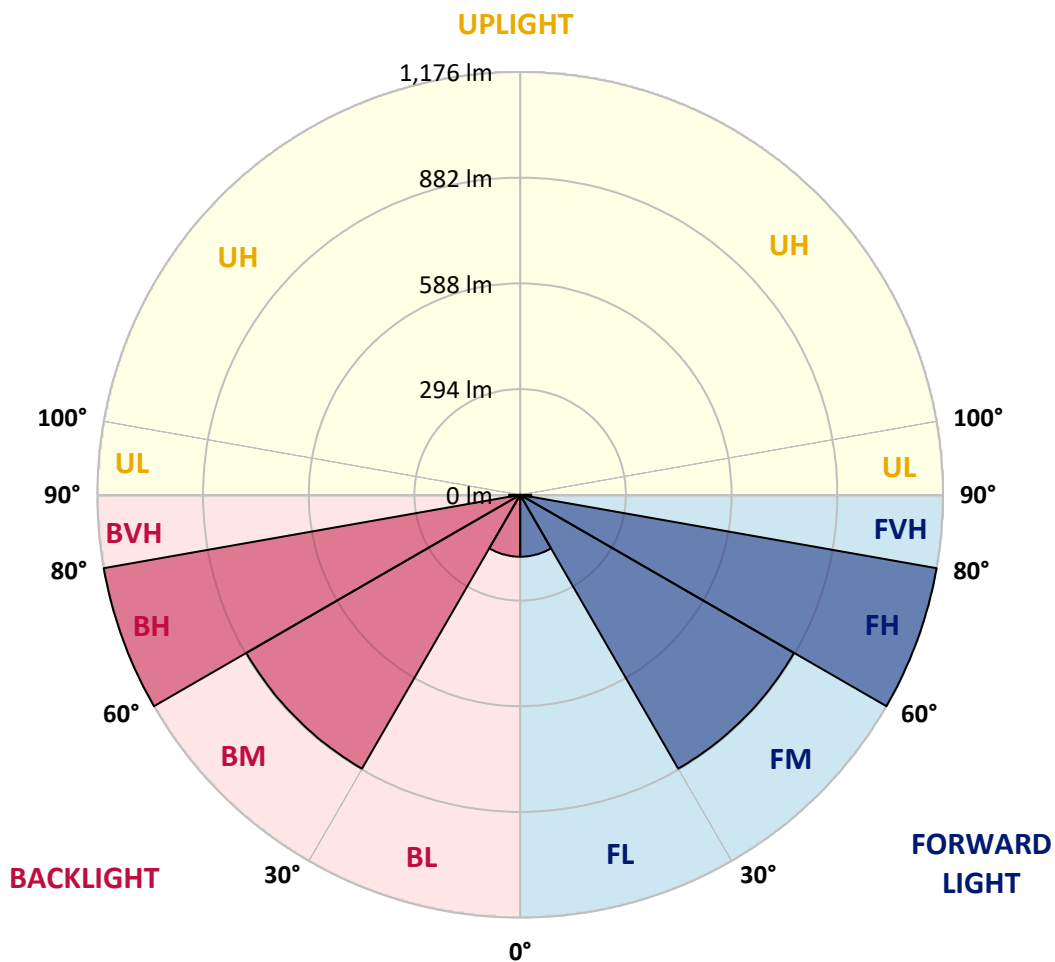
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.0	3.8			
FM	(30°-60°)	879.1	19.5			
FH	(60°-80°)	1175.6	26.0			G1/1800
FVH	(80°-90°)	30.9	0.7			G1/100
BL	(0°-30°)	172.0	3.8	B1/500		
BM	(30°-60°)	879.1	19.5	B1/1000		
BH	(60°-80°)	1175.6	26.0	B3/2500		G1/1800
BVH	(80°-90°)	30.9	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	490.1
2.5°	483.5
5°	472.5
7.5°	454.0
10°	430.7
12.5°	413.6
15°	402.1
17.5°	394.2
20°	390.7
22.5°	391.6
25°	397.7
27.5°	407.8
30°	421.0
32.5°	442.6
35°	472.9
37.5°	512.5
40°	560.9
42.5°	620.3
45°	688.1
47.5°	760.7
50°	839.9
52.5°	925.6
55°	1015.8
57.5°	1108.2
60°	1200.2
62.5°	1289.0
65°	1386.3
67°	1466.3
67.5°	1464.6
70°	1384.1
72.5°	1225.3
75°	1007.9
77.5°	706.1
80°	324.7
82.5°	58.5
85°	5.7
87.5°	1.3
90°	0.0

(END OF REPORT)