

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: P272225

Luminaire Tested: **CTKRV3B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P272225
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: CTKRV3B
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: 9741 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

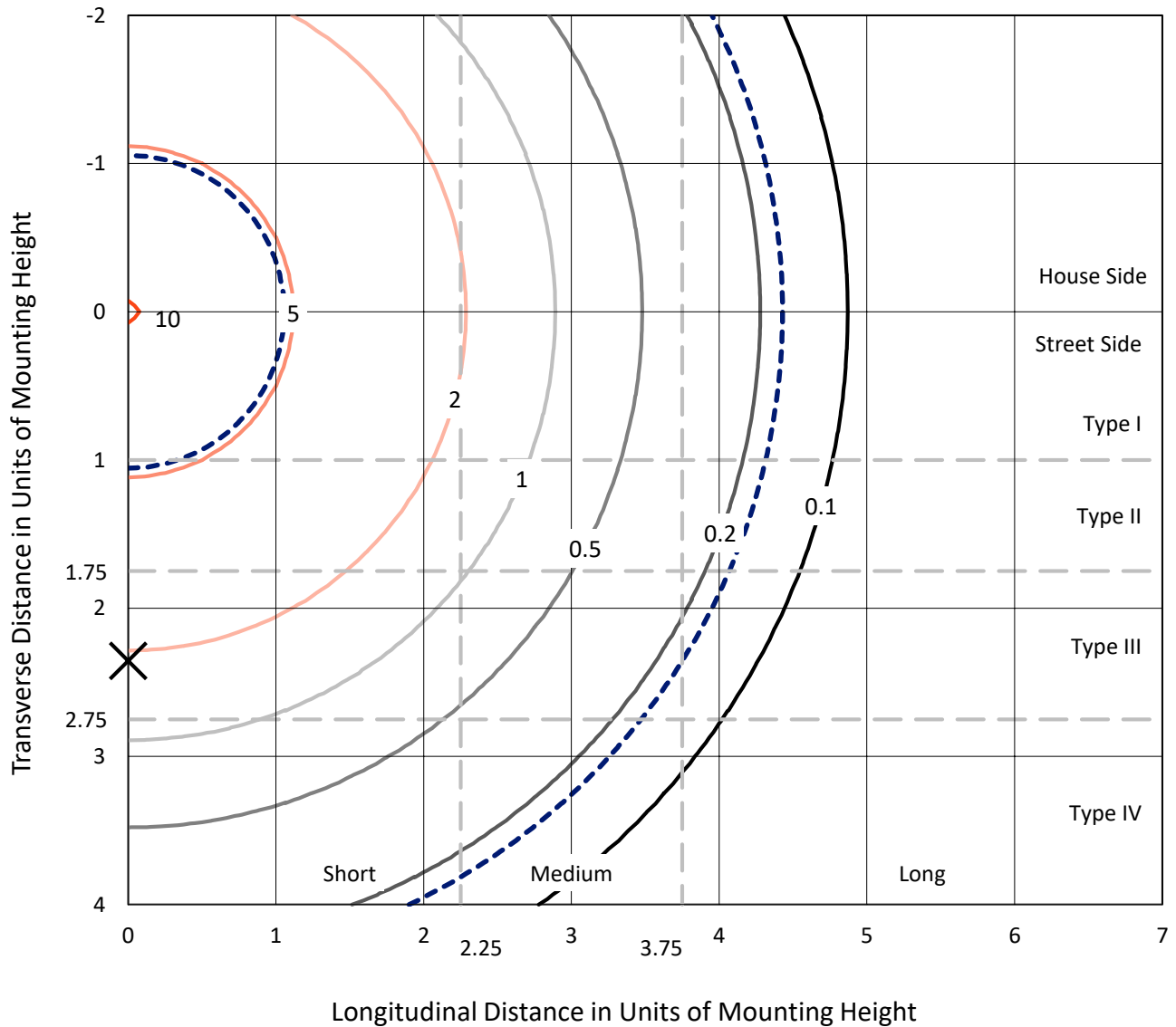
Input Watts (W): 70.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

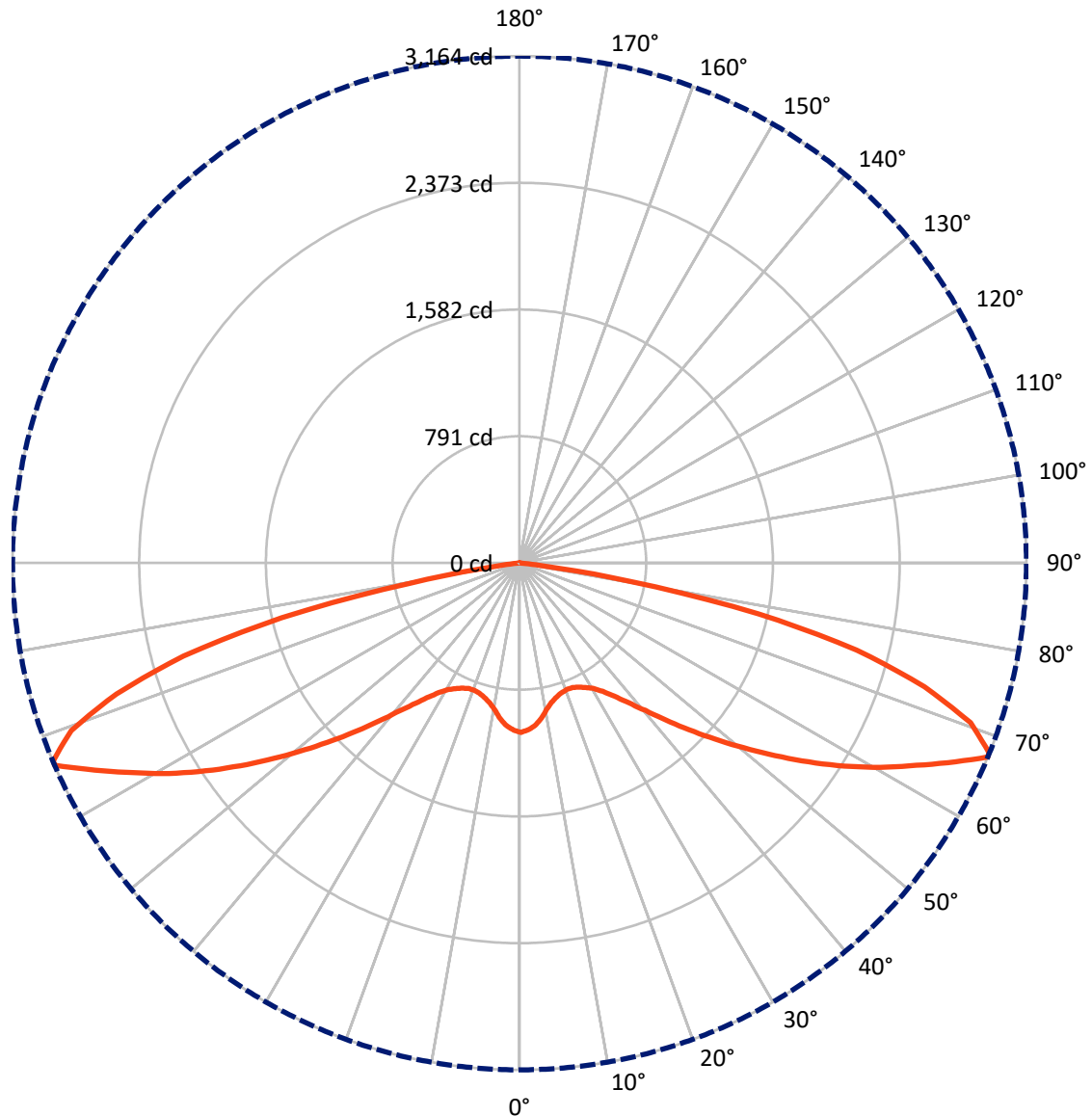
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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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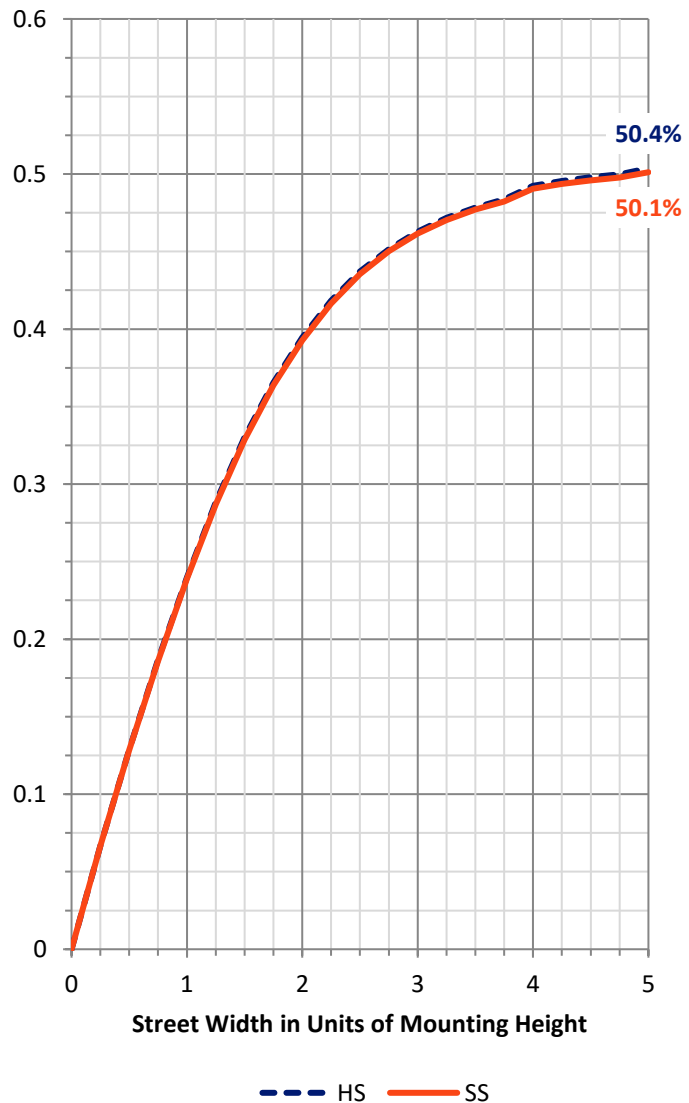
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4870.5	0.0	4870.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4870.5	0.0	4870.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9741.0	0.0	9741.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	1.0
10°-20°	246.5	2.5
20°-30°	401.1	4.1
30°-40°	653.9	6.7
40°-50°	1163.2	11.9
50°-60°	1976.1	20.3
60°-70°	2916.5	29.9
70°-80°	2156.0	22.1
80°-90°	133.3	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°	9741.0	100.0
0°-180°	9741.0	100.0



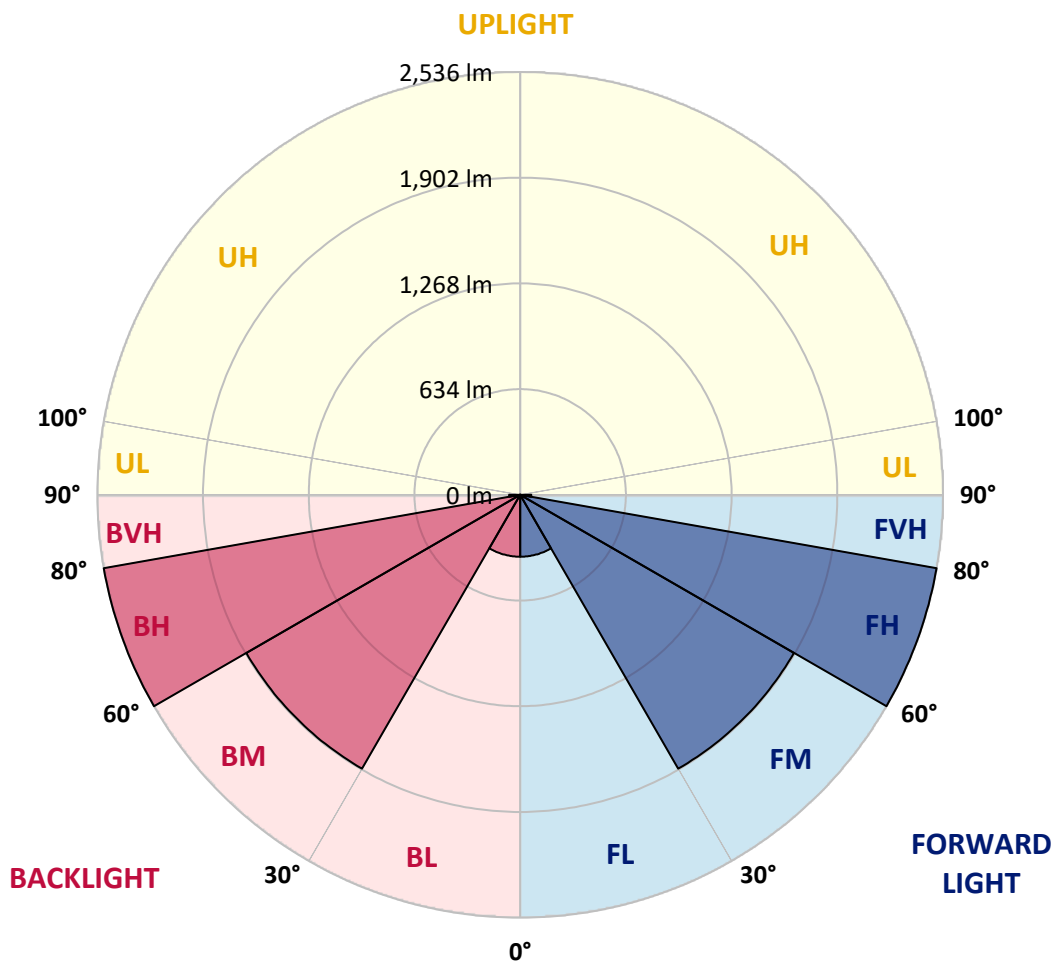
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.0	3.8			
FM (30°-60°)	1896.6	19.5			
FH (60°-80°)	2536.2	26.0			G2/5000
FVH (80°-90°)	66.7	0.7			G1/100
BL (0°-30°)	371.0	3.8	B1/500		
BM (30°-60°)	1896.6	19.5	B2/2500		
BH (60°-80°)	2536.2	26.0	B4/5000		G2/5000
BVH (80°-90°)	66.7	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1057.4
2.5°	1043.1
5°	1019.4
7.5°	979.5
10°	929.2
12.5°	892.2
15°	867.5
17.5°	850.5
20°	842.9
22.5°	844.8
25°	858.1
27.5°	879.9
30°	908.4
32.5°	954.9
35°	1020.4
37.5°	1105.8
40°	1210.2
42.5°	1338.3
45°	1484.5
47.5°	1641.1
50°	1812.0
52.5°	1997.1
55°	2191.6
57.5°	2391.0
60°	2589.4
62.5°	2781.1
65°	2990.9
67°	3163.6
67.5°	3159.8
70°	2986.1
72.5°	2643.5
75°	2174.6
77.5°	1523.4
80°	700.5
82.5°	126.2
85°	12.3
87.5°	2.8
90°	0.0

(END OF REPORT)