

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: P295413

Luminaire Tested: **TCRS5M(7040-7050)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRS5M(7040-7050)
Description: TRACER SMALL, STANDARD TRIM NEMA 4x4
Light Source: (6) 4000K&5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 551.8 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Circular (Dia: 0.17' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

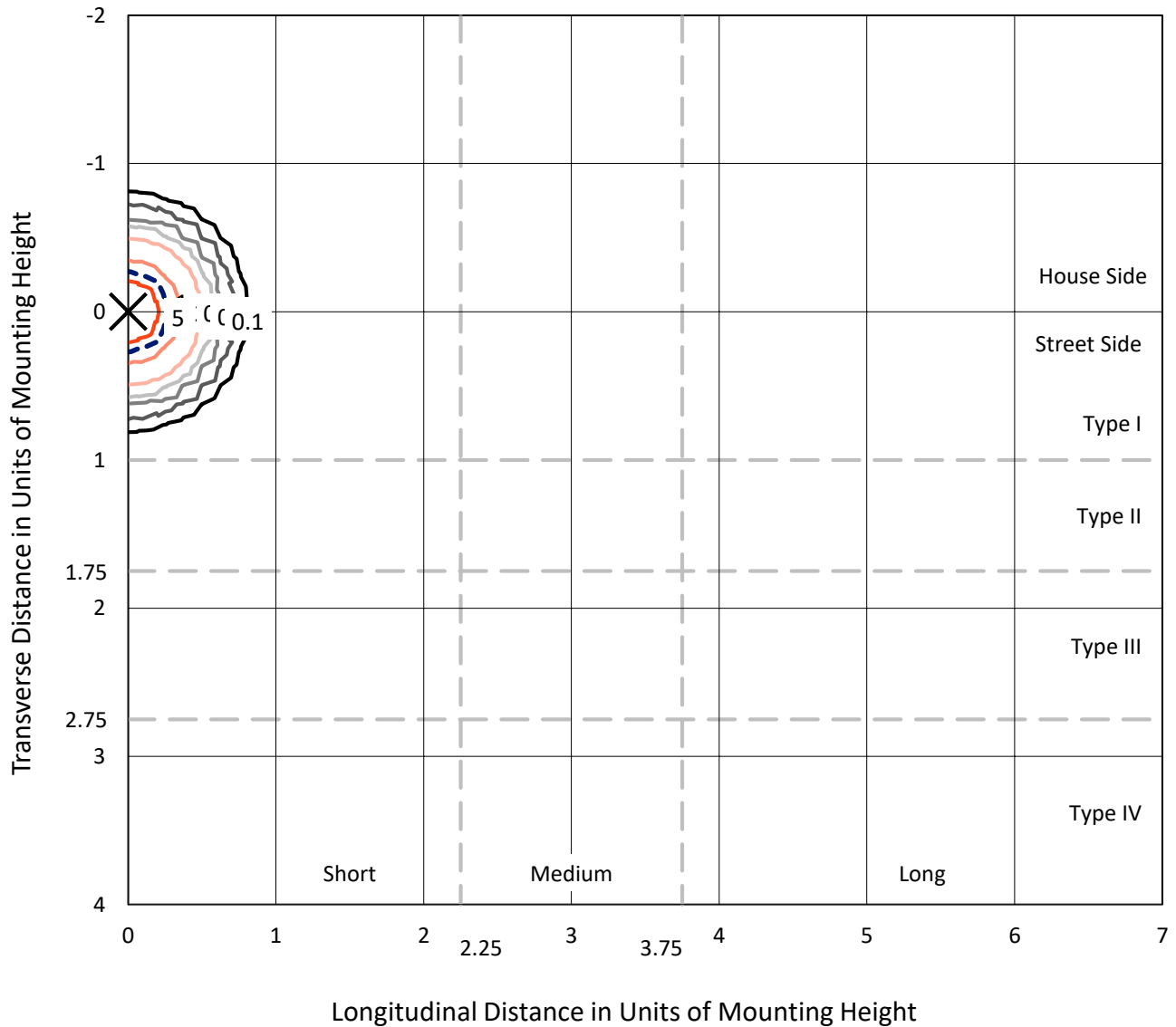
Input Watts (W): 5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

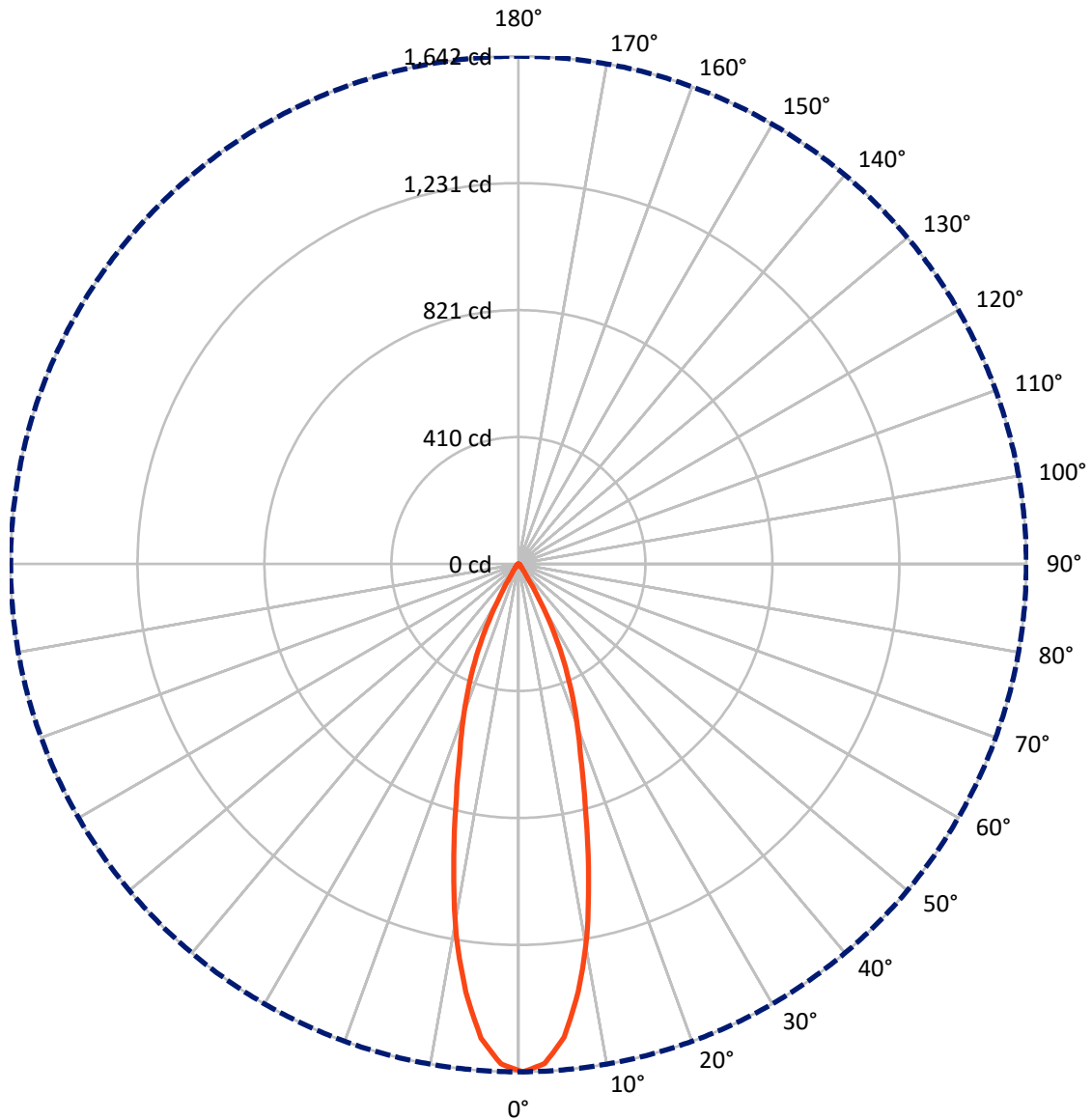
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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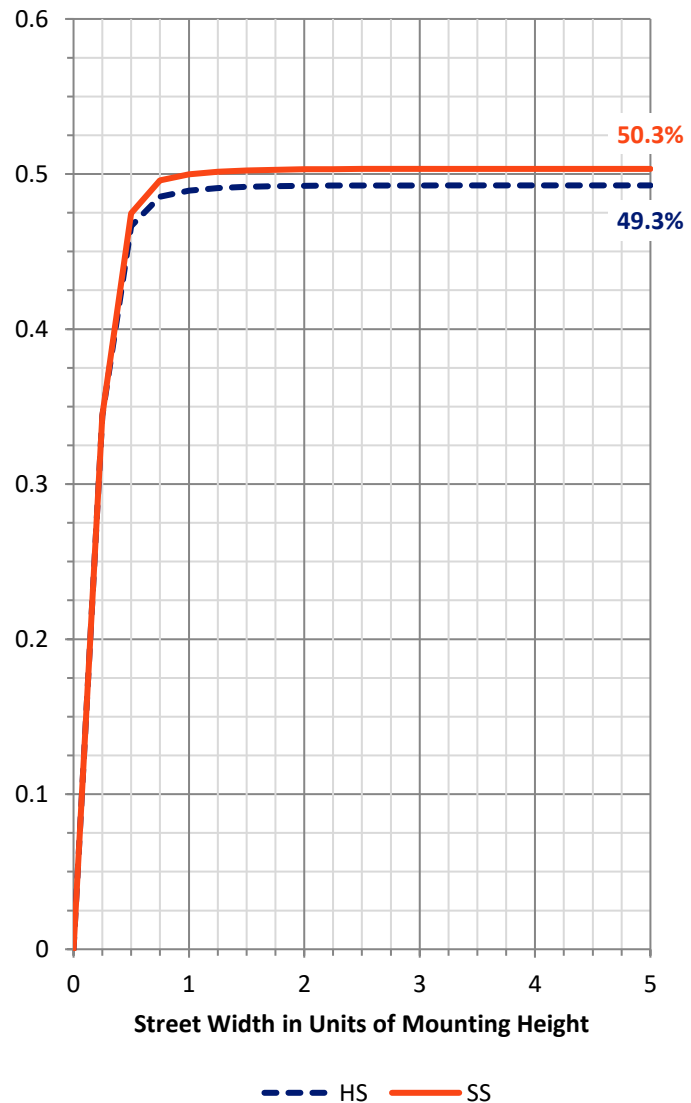
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	275.9	0.0	275.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	275.9	0.0	275.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	551.8	0.0	551.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	24.7
10°-20°	226.4	41.0
20°-30°	146.6	26.6
30°-40°	29.0	5.3
40°-50°	7.8	1.4
50°-60°	4.0	0.7
60°-70°	1.6	0.3
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	551.8	100.0
0°-180°	551.8	100.0



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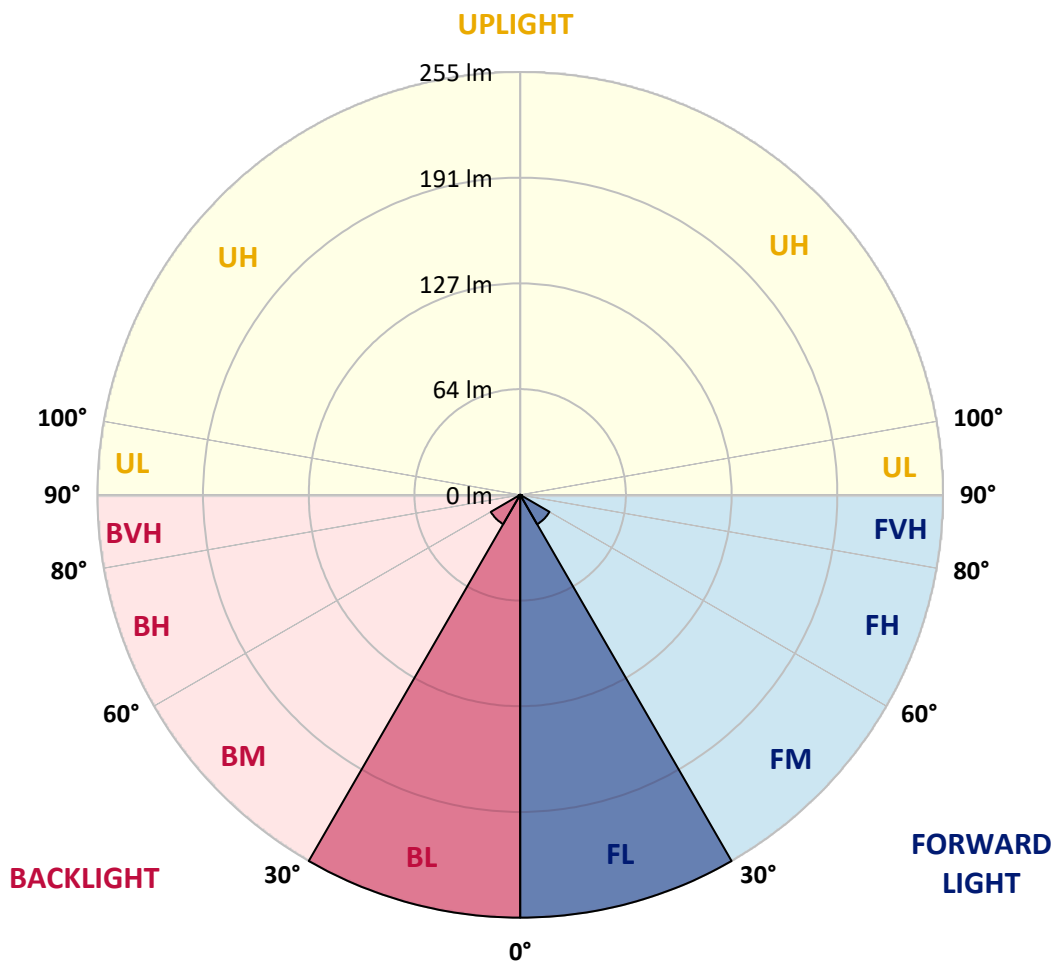
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.6	46.1			
FM	(30°-60°)	20.4	3.7			
FH	(60°-80°)	0.9	0.2			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	254.6	46.1	B1/500		
BM	(30°-60°)	20.4	3.7	B0/220		
BH	(60°-80°)	0.9	0.2	B0/110		G0/660
BVH	(80°-90°)	0.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	1641.5
2.5°	1617.0
5°	1537.0
7.5°	1394.1
10°	1218.1
12.5°	1004.9
15°	805.2
17.5°	648.8
20°	535.8
22.5°	429.5
25°	326.8
27.5°	226.6
30°	127.7
32.5°	60.5
35°	35.4
37.5°	24.4
40°	16.5
42.5°	12.2
45°	9.2
47.5°	7.9
50°	6.1
52.5°	5.5
55°	4.3
57.5°	3.7
60°	3.1
62.5°	2.4
65°	1.2
67.5°	1.2
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)