

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: P295421

Luminaire Tested: **TCRS8S(7040-7050)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-222-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRS8S(7040-7050)
Description: TRACER SMALL, STANDARD TRIM NEMA 3x3
Light Source: (6) 4000K&5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 812.1 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Circular (Dia: 0.17' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

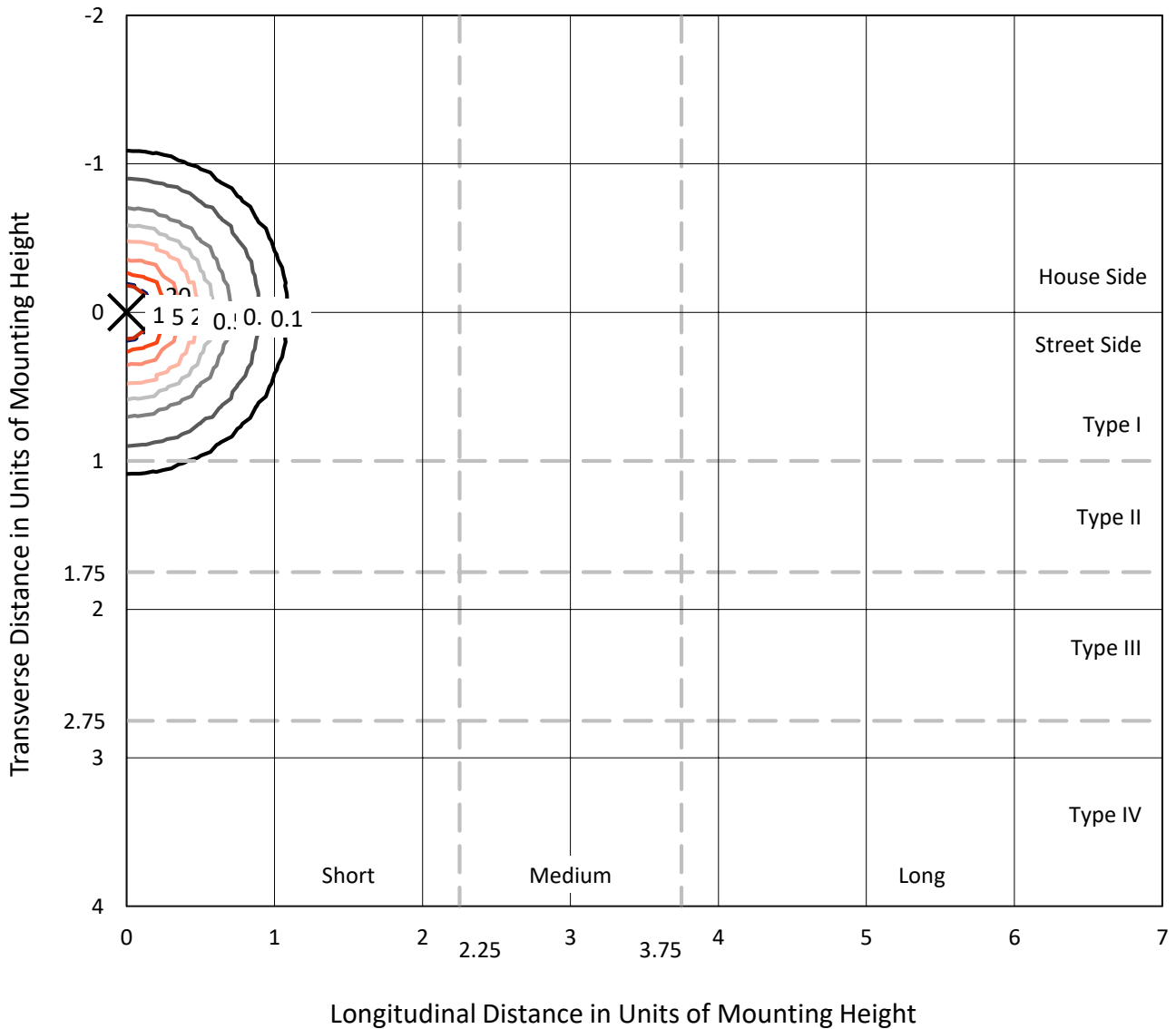
Input Watts (W): 8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

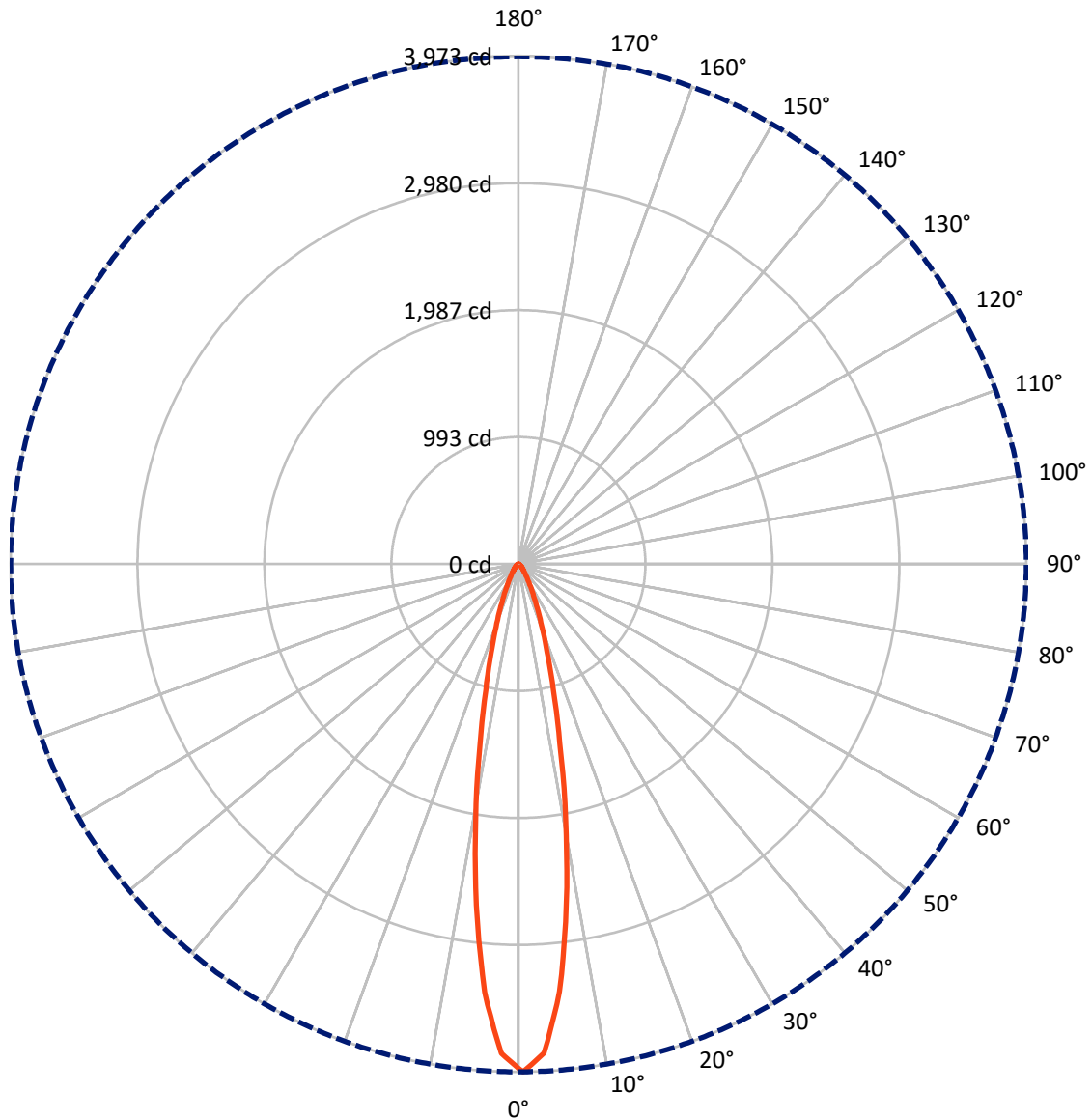
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 39.7 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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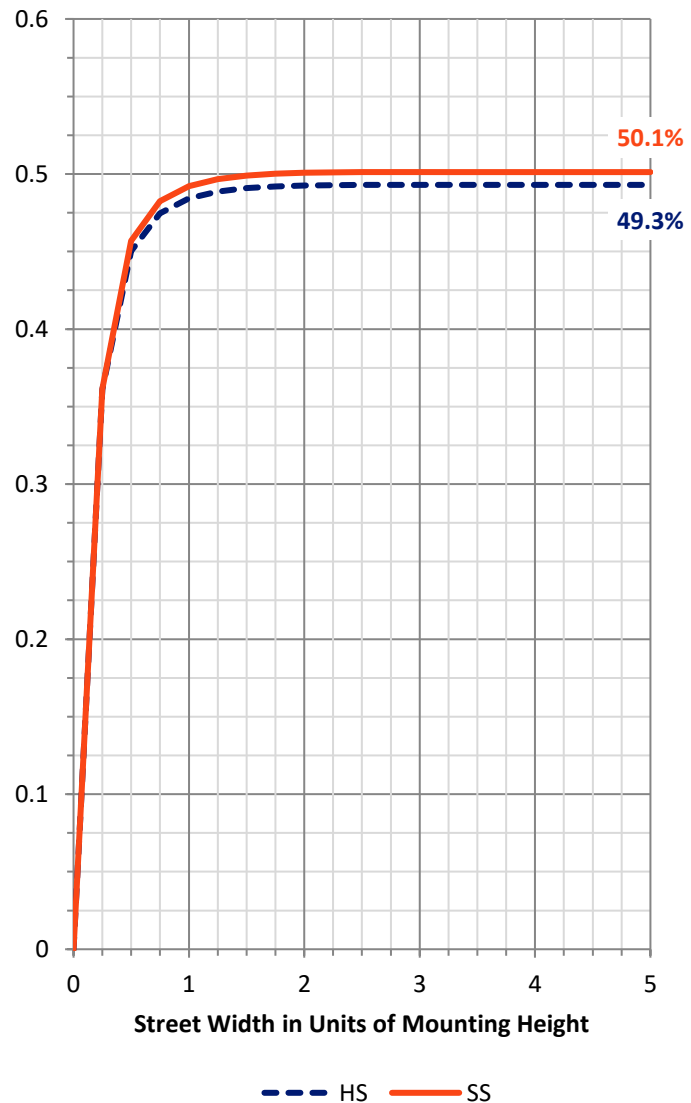
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	406.0	0.0	406.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	406.0	0.0	406.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	812.1	0.0	812.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.4	34.0
10°-20°	294.5	36.3
20°-30°	133.2	16.4
30°-40°	56.4	7.0
40°-50°	29.9	3.7
50°-60°	16.2	2.0
60°-70°	5.4	0.7
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°	812.1	100.0
0°-180°	812.1	100.0



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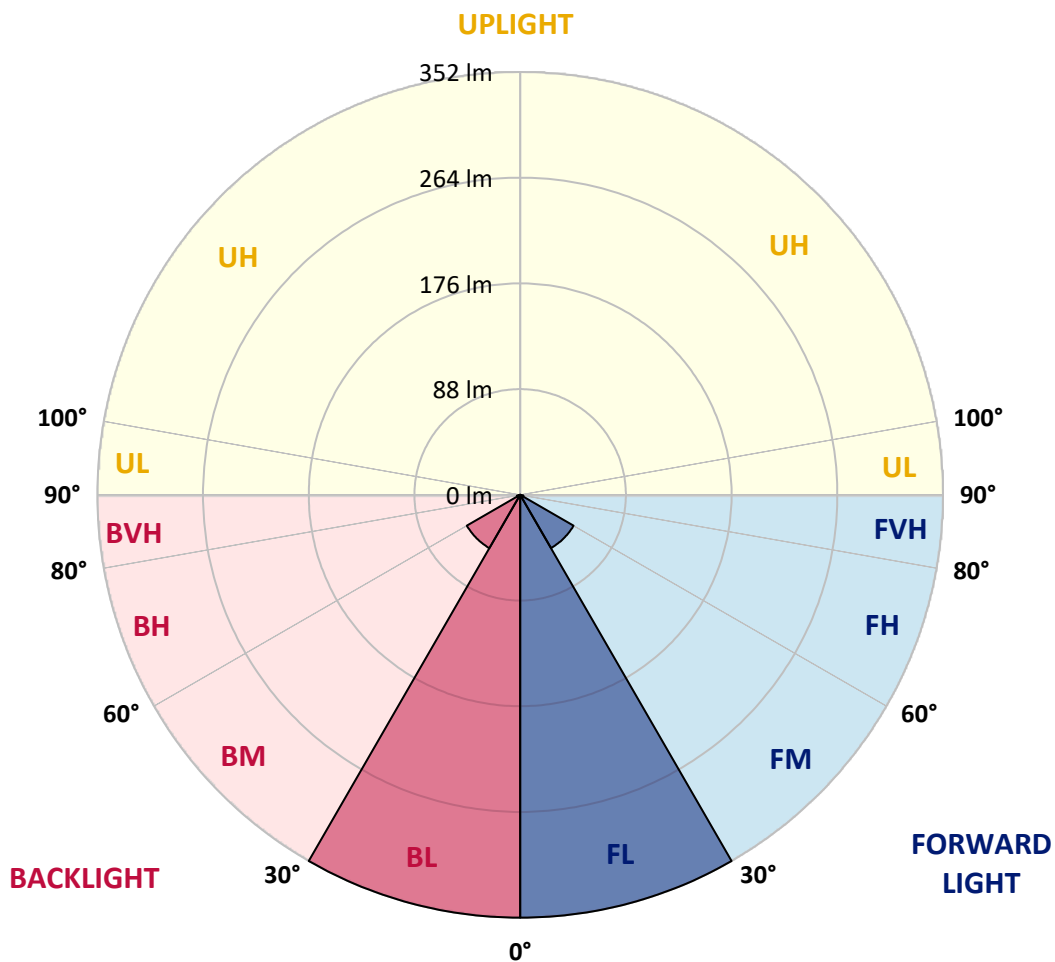
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.0	43.3			
FM	(30°-60°)	51.3	6.3			
FH	(60°-80°)	2.8	0.3			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	352.0	43.3	B1/500		
BM	(30°-60°)	51.3	6.3	B0/220		
BH	(60°-80°)	2.8	0.3	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°	3973.3
2.5°	3830.8
5°	3360.0
7.5°	2691.4
10°	2020.8
12.5°	1439.6
15°	1017.9
17.5°	725.8
20°	523.0
22.5°	379.5
25°	276.1
27.5°	202.8
30°	147.6
32.5°	111.4
35°	85.3
37.5°	68.3
40°	55.2
42.5°	46.2
45°	38.1
47.5°	31.1
50°	26.1
52.5°	22.1
55°	18.1
57.5°	14.1
60°	11.0
62.5°	8.0
65°	5.0
67.5°	3.0
70°	1.0
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)