

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: P295391

Luminaire Tested: **TCRL26S(7040-7050)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-222-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRL26S(7040-7050)
Description: TRACER LARGE, STANDARD TRIM NEMA 3x3
Light Source: (16) 4000K&5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2718.2 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G0

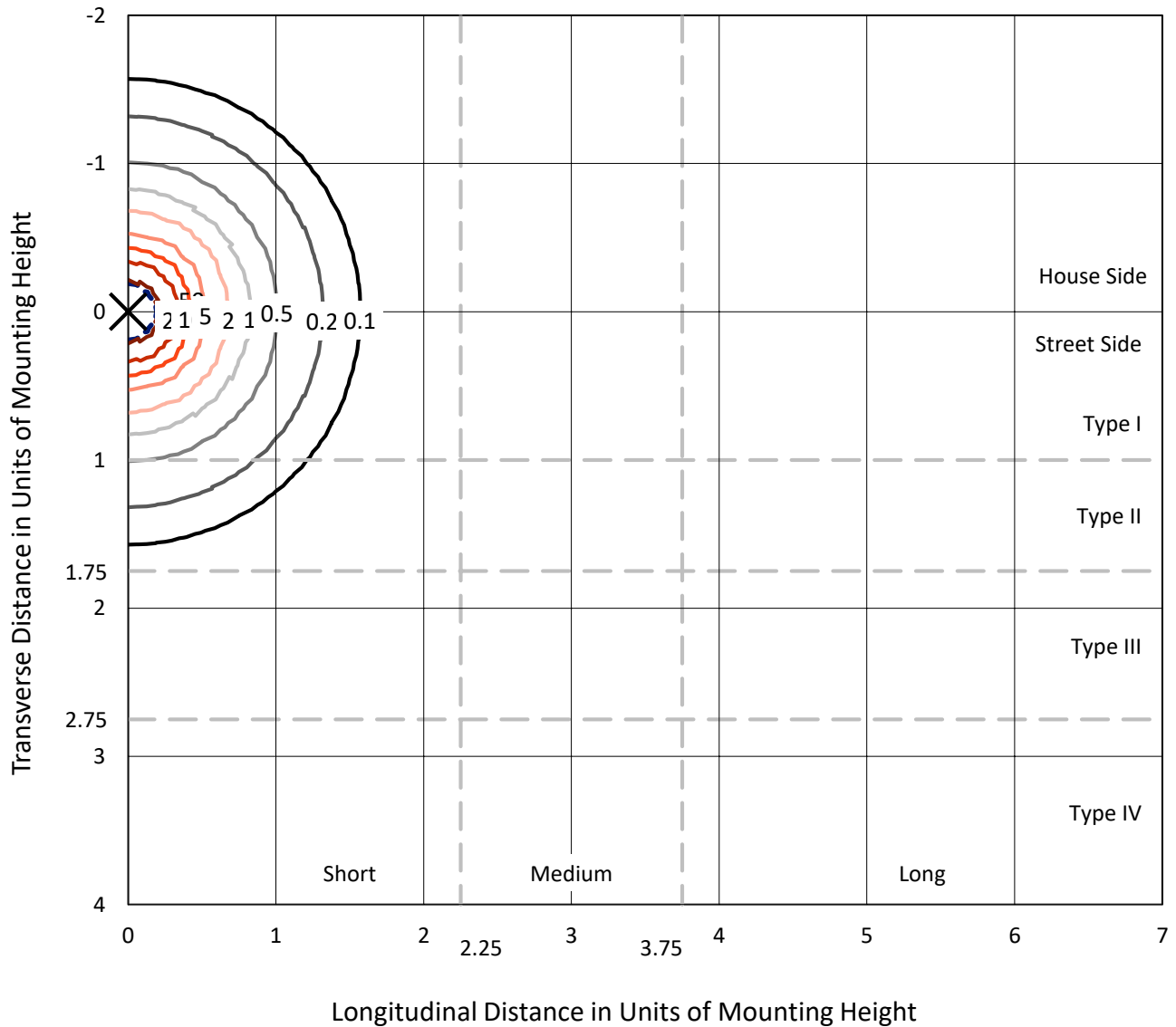
Input Watts (W): 25.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

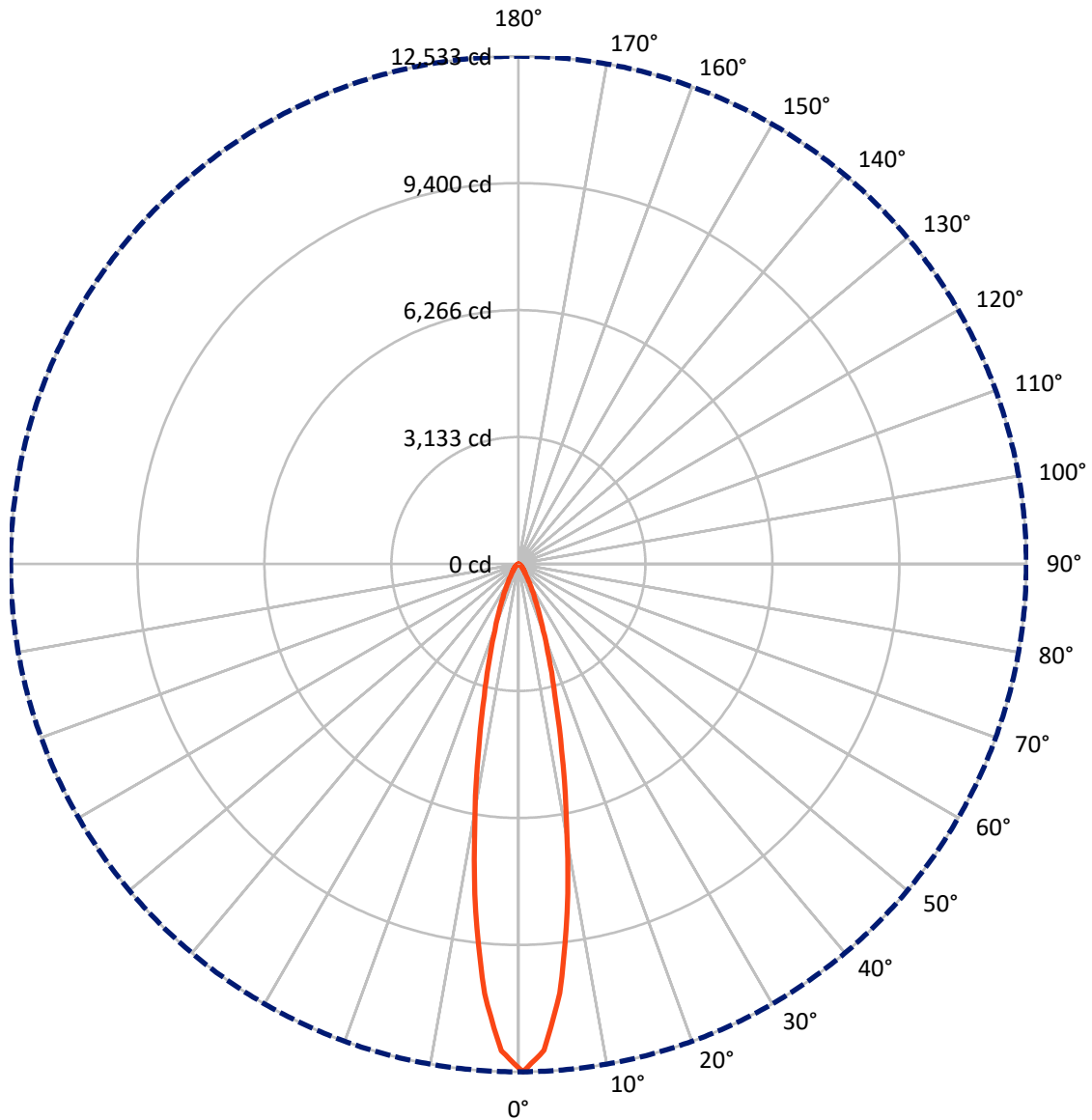
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 125.3 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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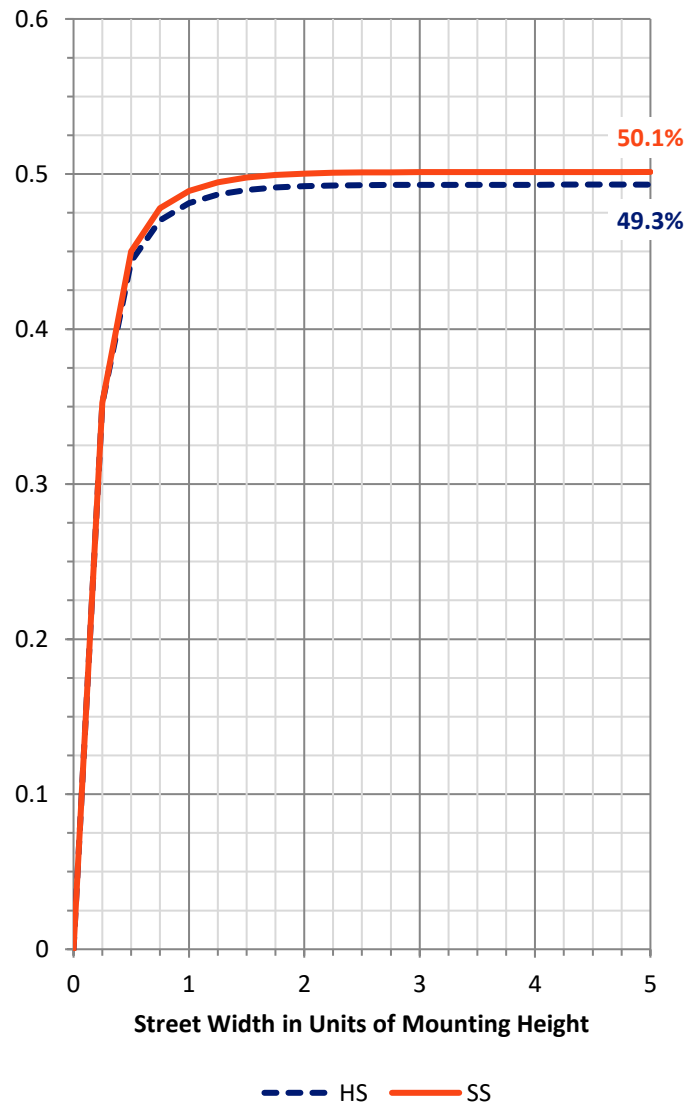
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1359.1	0.0	1359.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1359.1	0.0	1359.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2718.2	0.0	2718.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	880.5	32.4
10°-20°	970.0	35.7
20°-30°	453.4	16.7
30°-40°	201.3	7.4
40°-50°	114.0	4.2
50°-60°	69.1	2.5
60°-70°	26.7	1.0
70°-80°	2.7	0.1
80°-90°	0.4	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°	2718.2	100.0
0°-180°	2718.2	100.0



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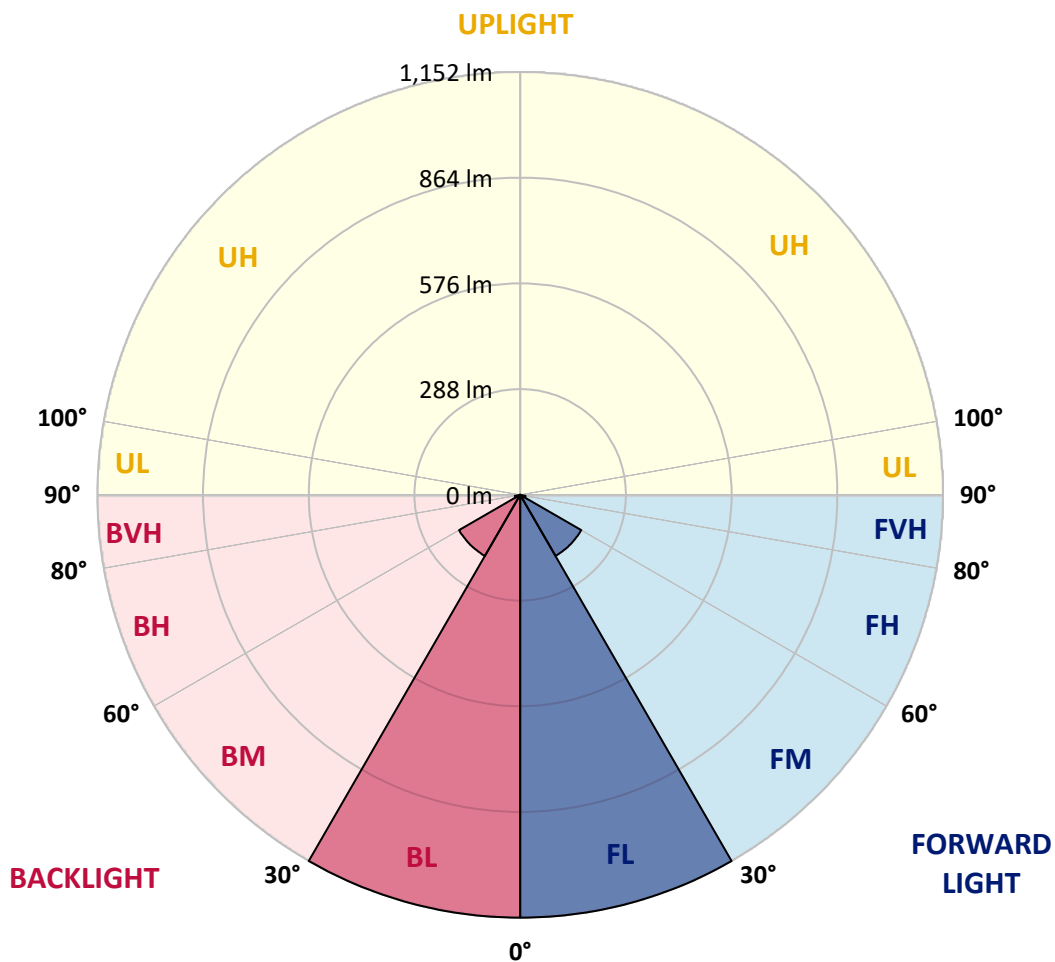
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1151.9	42.4			
FM	(30°-60°)	192.2	7.1			
FH	(60°-80°)	14.7	0.5			G0/660
FVH	(80°-90°)	0.2	0.0			G0/10
BL	(0°-30°)	1151.9	42.4	B3/2500		
BM	(30°-60°)	192.2	7.1	B0/220		
BH	(60°-80°)	14.7	0.5	B0/110		G0/660
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12532.8
2.5°	12018.8
5°	10634.5
7.5°	8644.4
10°	6524.2
12.5°	4726.5
15°	3358.8
17.5°	2426.1
20°	1746.6
22.5°	1283.7
25°	943.9
27.5°	699.5
30°	518.3
32.5°	393.5
35°	305.1
37.5°	246.2
40°	203.7
42.5°	170.8
45°	144.8
47.5°	123.9
50°	105.7
52.5°	91.0
55°	77.1
57.5°	64.1
60°	50.3
62.5°	37.3
65°	26.0
67.5°	16.5
70°	7.8
72.5°	3.5
75°	1.7
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)