

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: P295379

Luminaire Tested: **TCRL15S(7040-7050)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295379  
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: TCRL15S(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: 1500.4 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G0

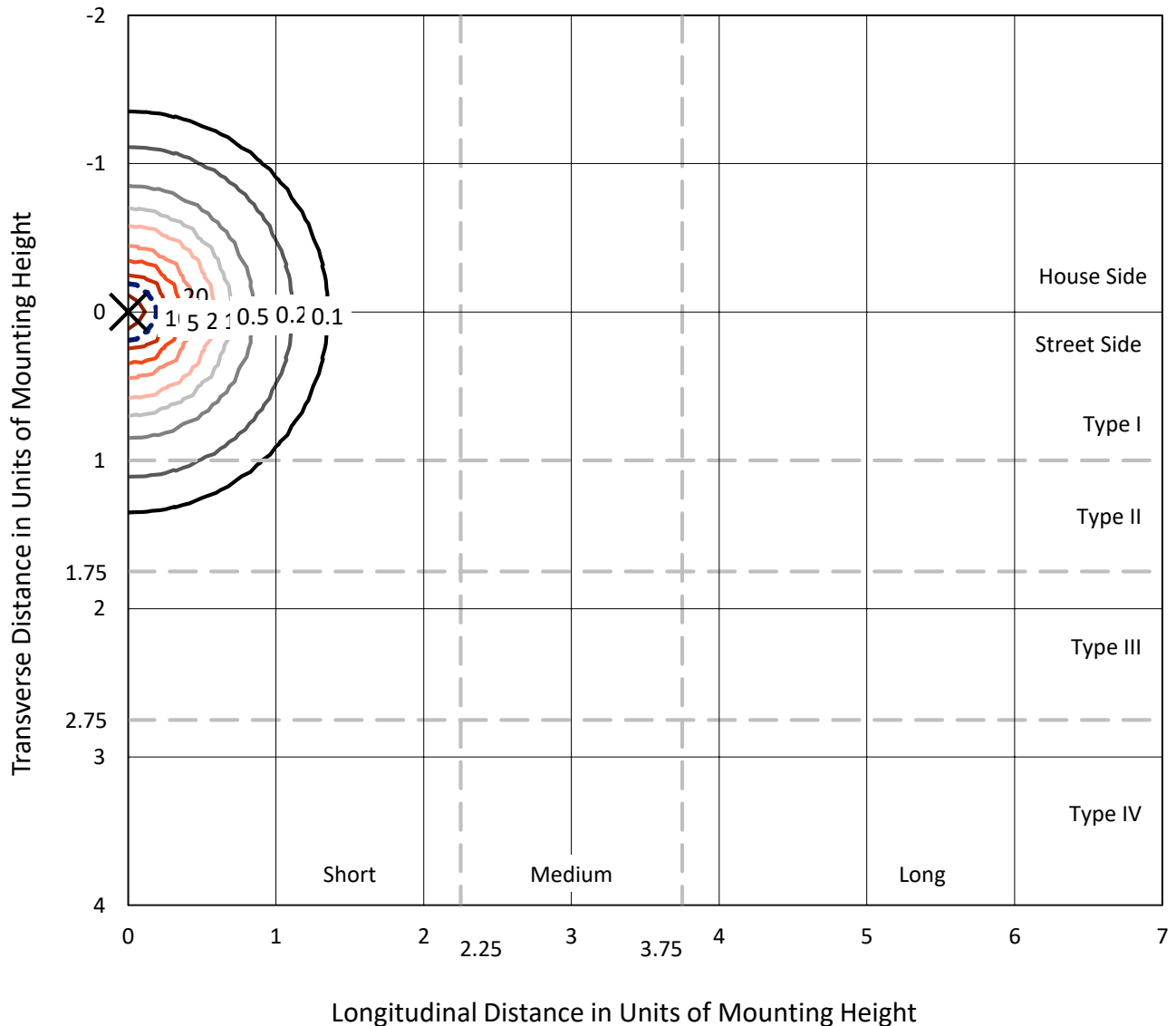
Input Watts (W): 12  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

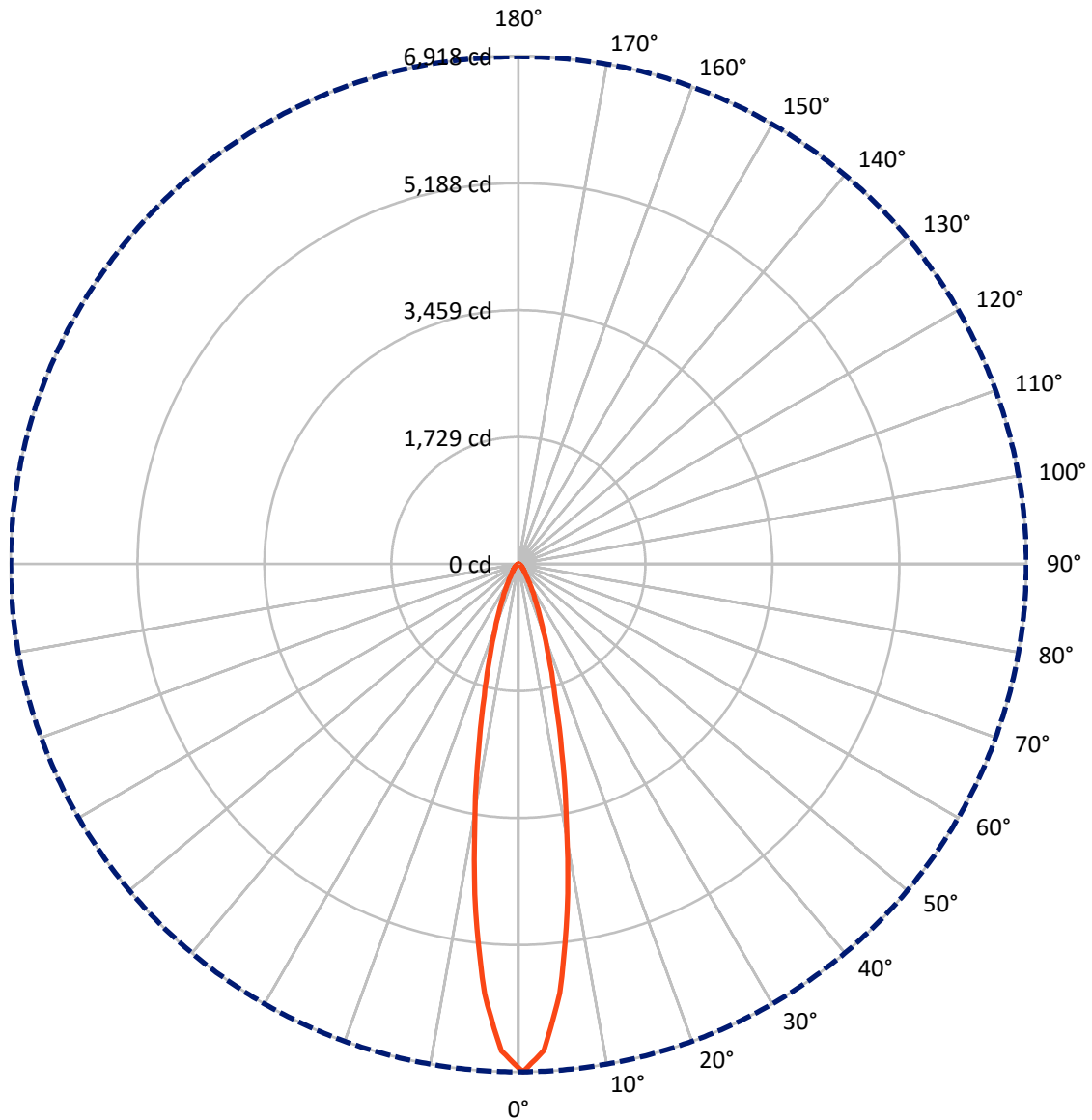
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 69.2 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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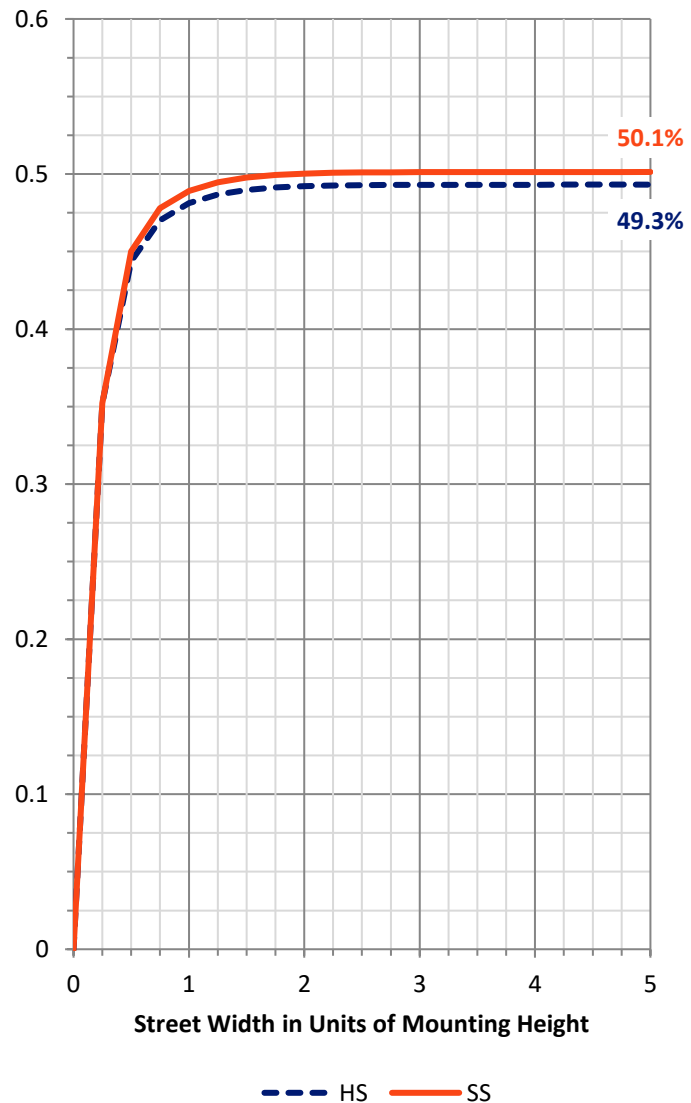
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	750.2	0.0	750.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	750.2	0.0	750.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1500.4	0.0	1500.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	486.0	32.4
10°-20°	535.4	35.7
20°-30°	250.3	16.7
30°-40°	111.1	7.4
40°-50°	62.9	4.2
50°-60°	38.2	2.5
60°-70°	14.8	1.0
70°-80°	1.5	0.1
80°-90°	0.2	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°	1500.4	100.0
0°-180°	1500.4	100.0



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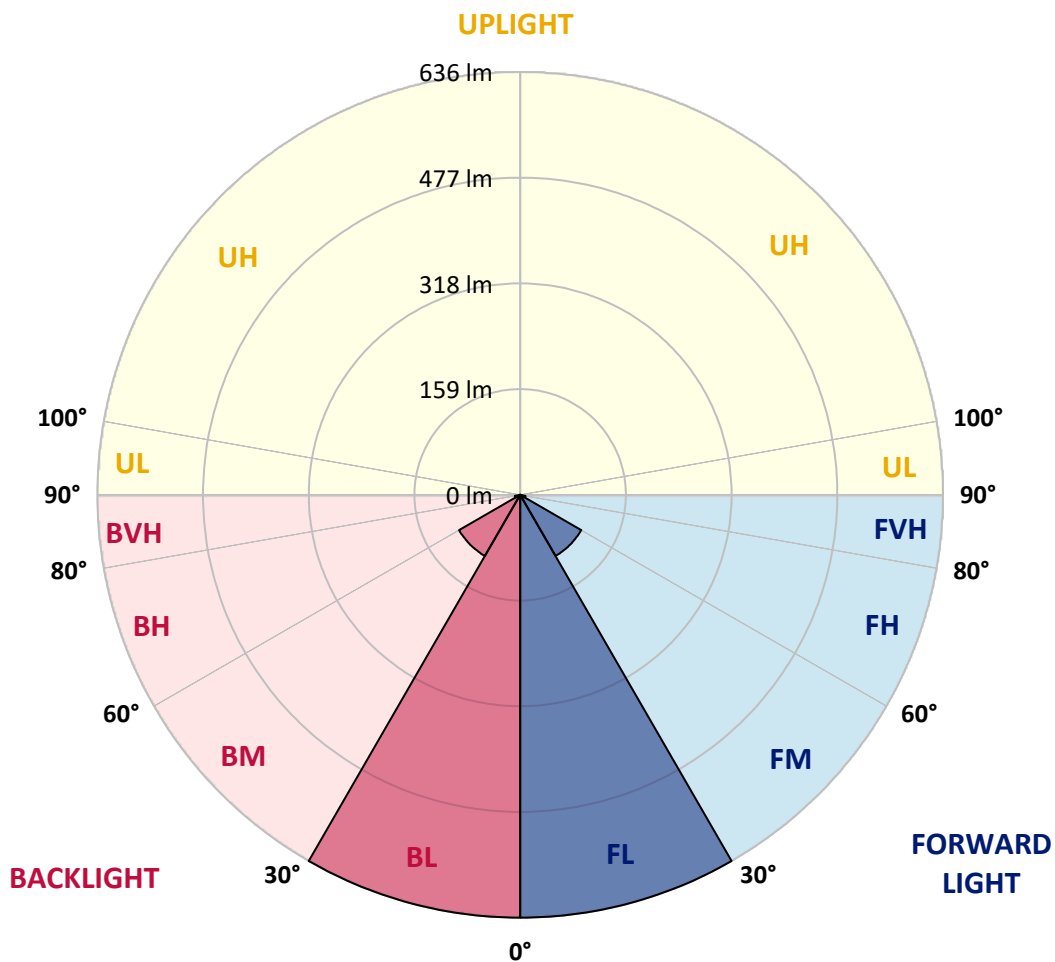
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	635.8	42.4			
FM	(30°-60°)	106.1	7.1			
FH	(60°-80°)	8.1	0.5			G0/660
FVH	(80°-90°)	0.1	0.0			G0/10
BL	(0°-30°)	635.8	42.4	B2/1000		
BM	(30°-60°)	106.1	7.1	B0/220		
BH	(60°-80°)	8.1	0.5	B0/110		G0/660
BVH	(80°-90°)	0.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6917.8
2.5°	6634.0
5°	5870.0
7.5°	4771.5
10°	3601.2
12.5°	2608.9
15°	1854.0
17.5°	1339.2
20°	964.1
22.5°	708.6
25°	521.0
27.5°	386.1
30°	286.1
32.5°	217.2
35°	168.4
37.5°	135.9
40°	112.4
42.5°	94.3
45°	79.9
47.5°	68.4
50°	58.4
52.5°	50.2
55°	42.6
57.5°	35.4
60°	27.7
62.5°	20.6
65°	14.4
67.5°	9.1
70°	4.3
72.5°	1.9
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)