

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: P295377

Luminaire Tested: **TCRL15M(7040-7050)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295377  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: TCRL15M(7040-7050)  
Description: TRACER LARGE, STANDARD TRIM NEMA 4x4  
Light Source: (16) 4000K&5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1629.8 lumens  
Efficiency: N/A  
Efficacy: 135.8 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

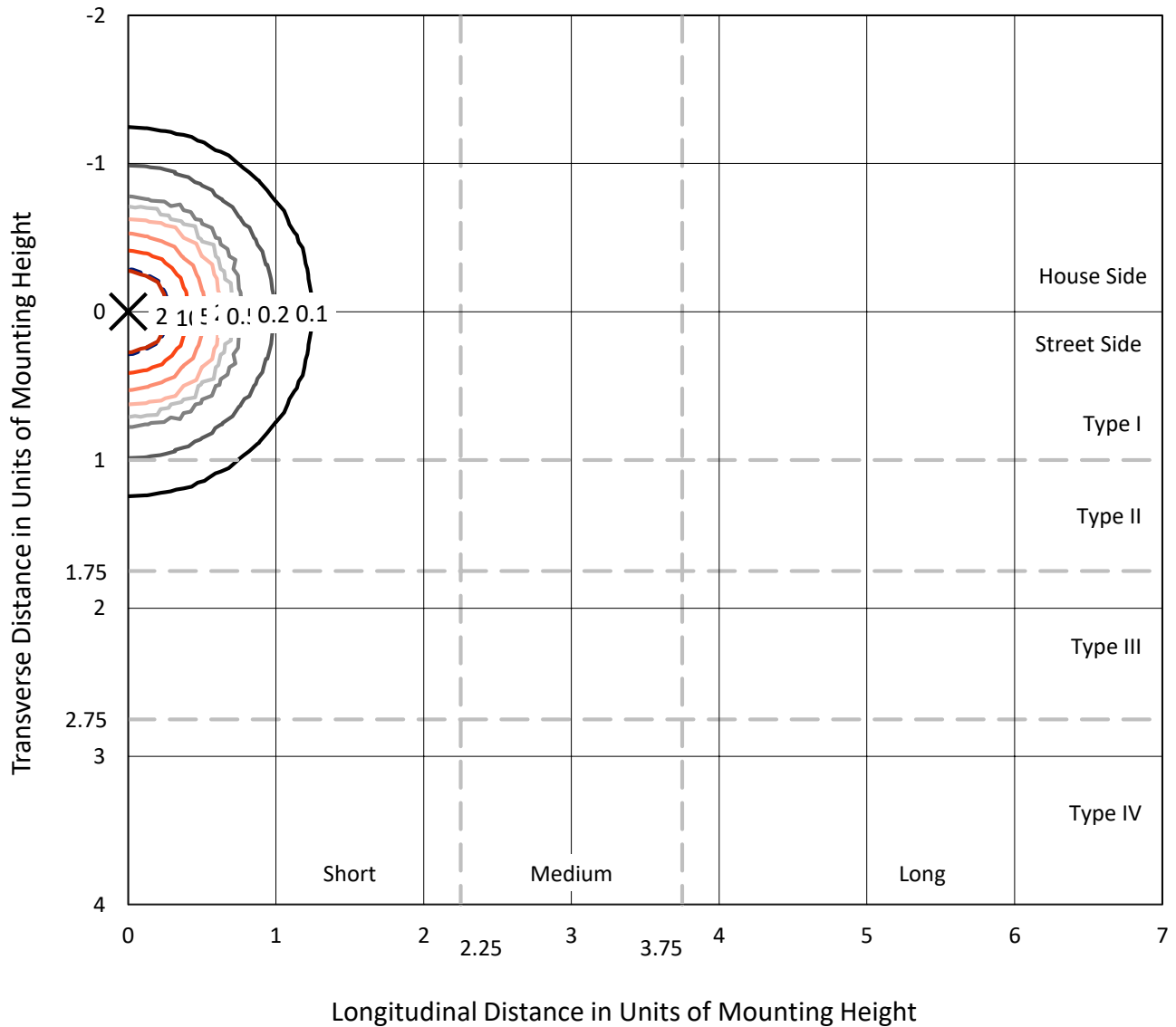


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

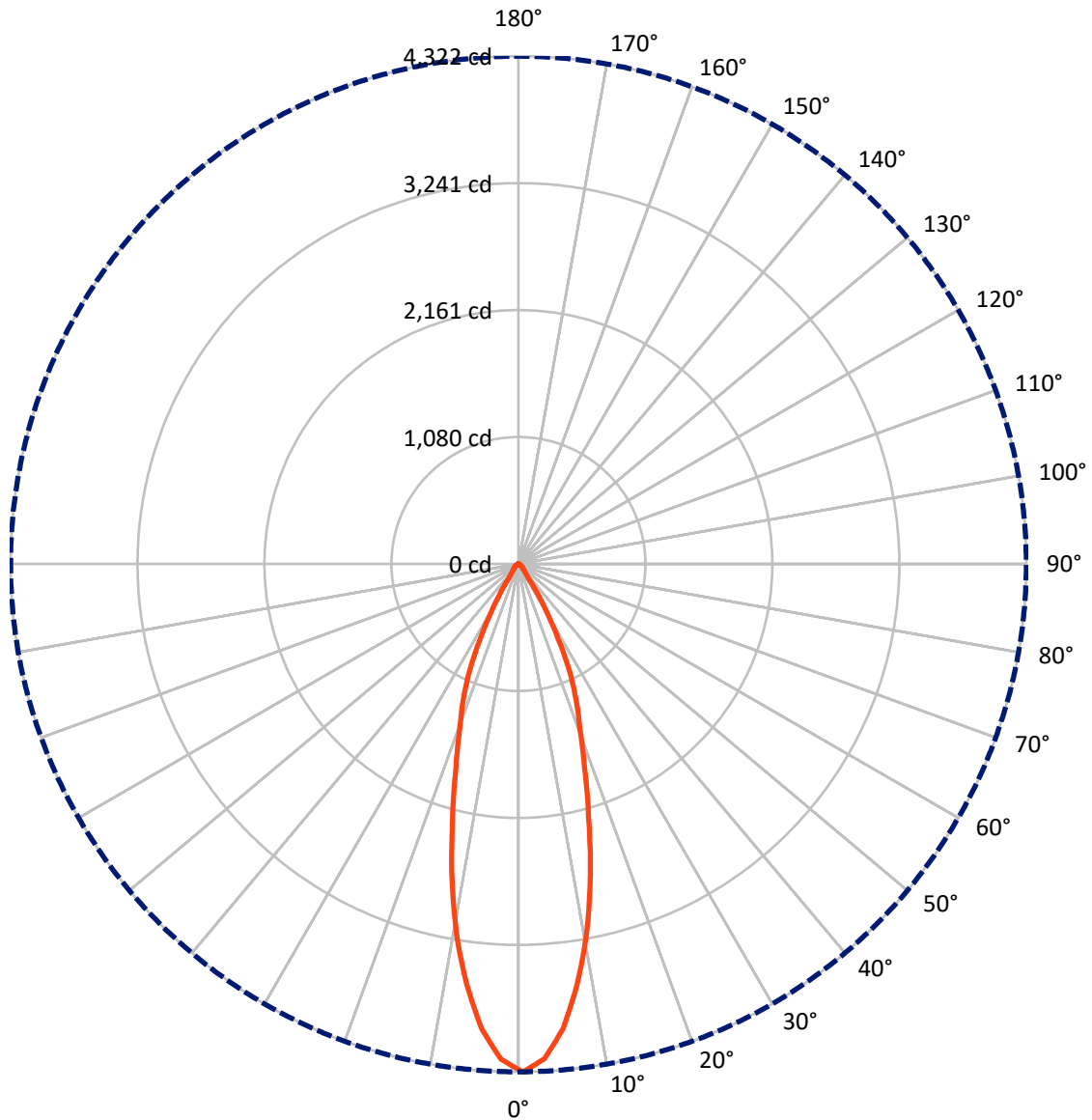


Based on 10 foot mounting height. Maximum calculated value = 43.2 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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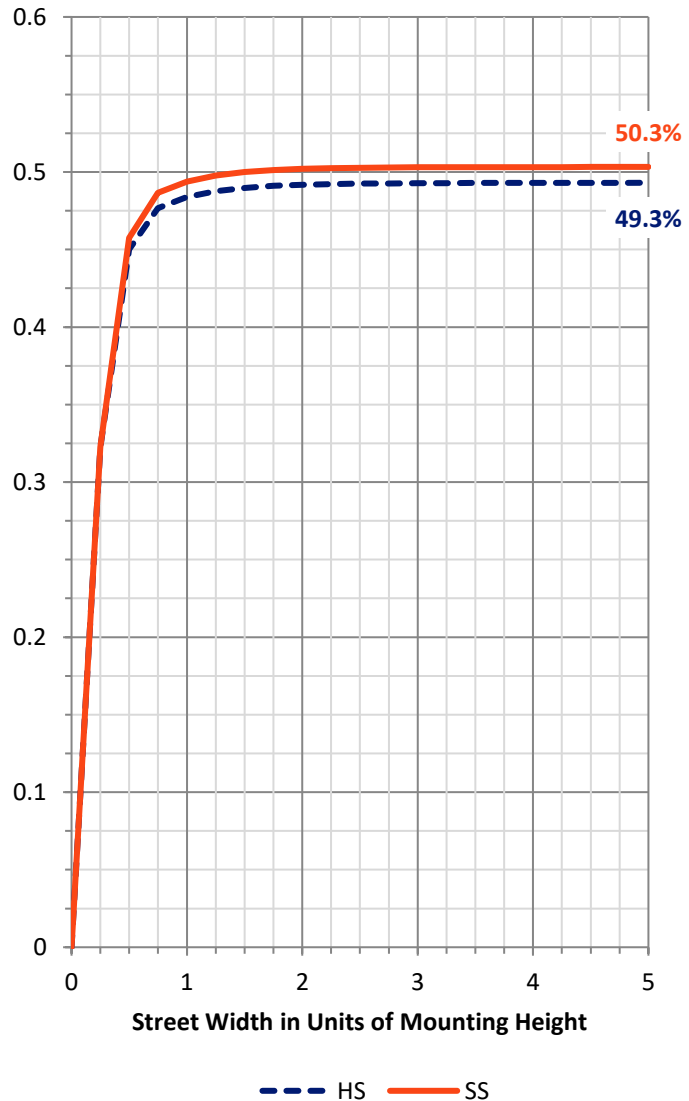
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	814.9	0.0	814.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	814.9	0.0	814.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1629.8	0.0	1629.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.6	21.7
10°-20°	621.0	38.1
20°-30°	445.6	27.3
30°-40°	121.2	7.4
40°-50°	42.5	2.6
50°-60°	28.0	1.7
60°-70°	14.2	0.9
70°-80°	2.9	0.2
80°-90°	0.6	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°	1629.8	100.0
0°-180°	1629.8	100.0



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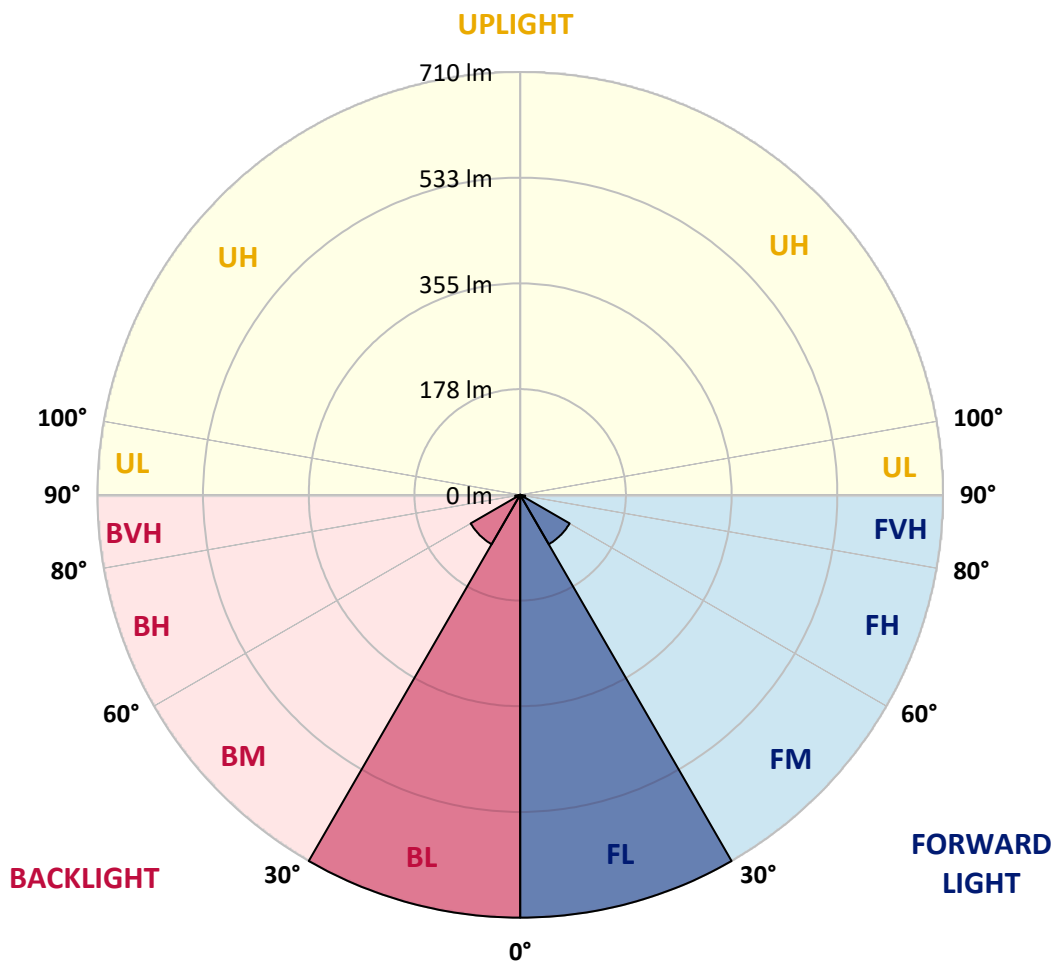
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	710.1	43.6			
FM	(30°-60°)	95.9	5.9			
FH	(60°-80°)	8.6	0.5			G0/660
FVH	(80°-90°)	0.3	0.0			G0/10
BL	(0°-30°)	710.1	43.6	B2/1000		
BM	(30°-60°)	95.9	5.9	B0/220		
BH	(60°-80°)	8.6	0.5	B0/110		G0/660
BVH	(80°-90°)	0.3	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°	4321.6
2.5°	4216.6
5°	3970.7
7.5°	3603.5
10°	3192.0
12.5°	2719.4
15°	2234.5
17.5°	1820.0
20°	1494.2
22.5°	1257.2
25°	1012.3
27.5°	718.5
30°	475.1
32.5°	287.8
35°	141.4
37.5°	98.6
40°	74.4
42.5°	63.1
45°	53.7
47.5°	44.8
50°	45.3
52.5°	36.5
55°	31.0
57.5°	23.2
60°	25.1
62.5°	21.2
65°	12.8
67.5°	6.4
70°	9.9
72.5°	2.5
75°	2.0
77.5°	0.0
80°	3.4
82.5°	0.0
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)