

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: P295384

Luminaire Tested: **TCRL20S(7030)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295384  
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: TCRL20S(7030)  
Description: TRACER LARGE, STANDARD TRIM NEMA 3x3  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

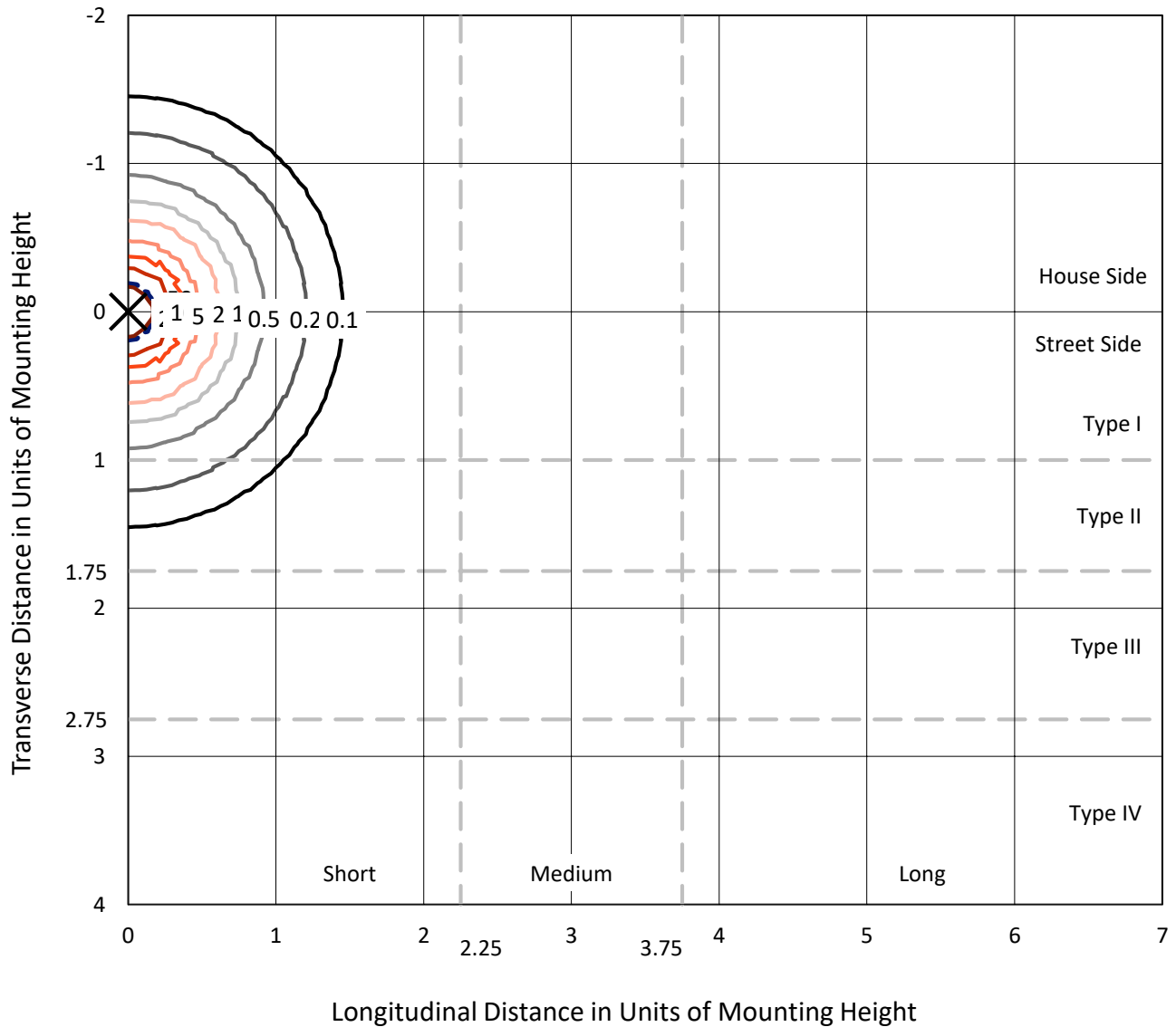
Lumens per Lamp: N/A  
Luminaire Lumens: 1970.6 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 17.6  
Input Voltage (V): 120  
Input Current (Ain): 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

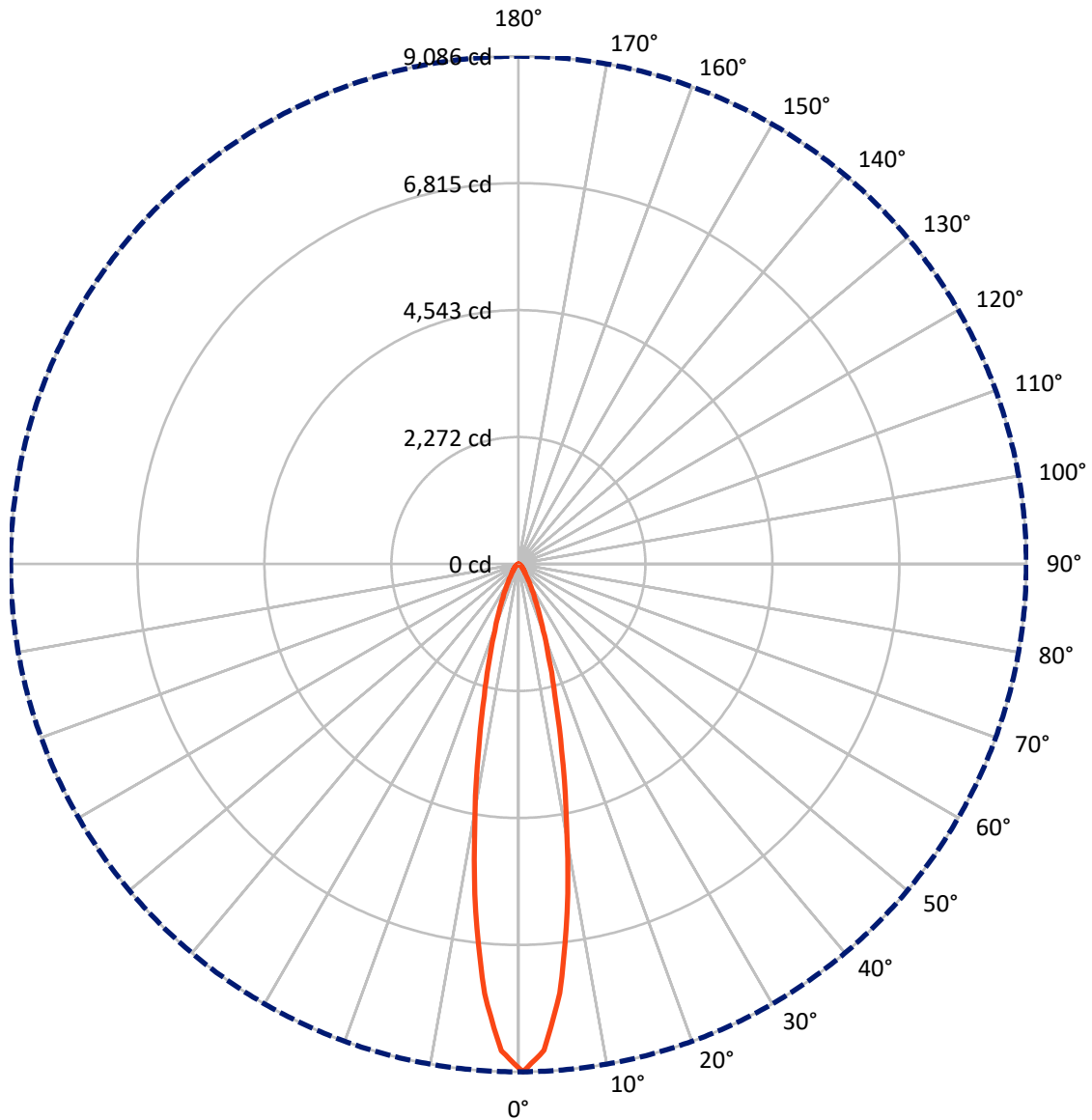
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 90.9 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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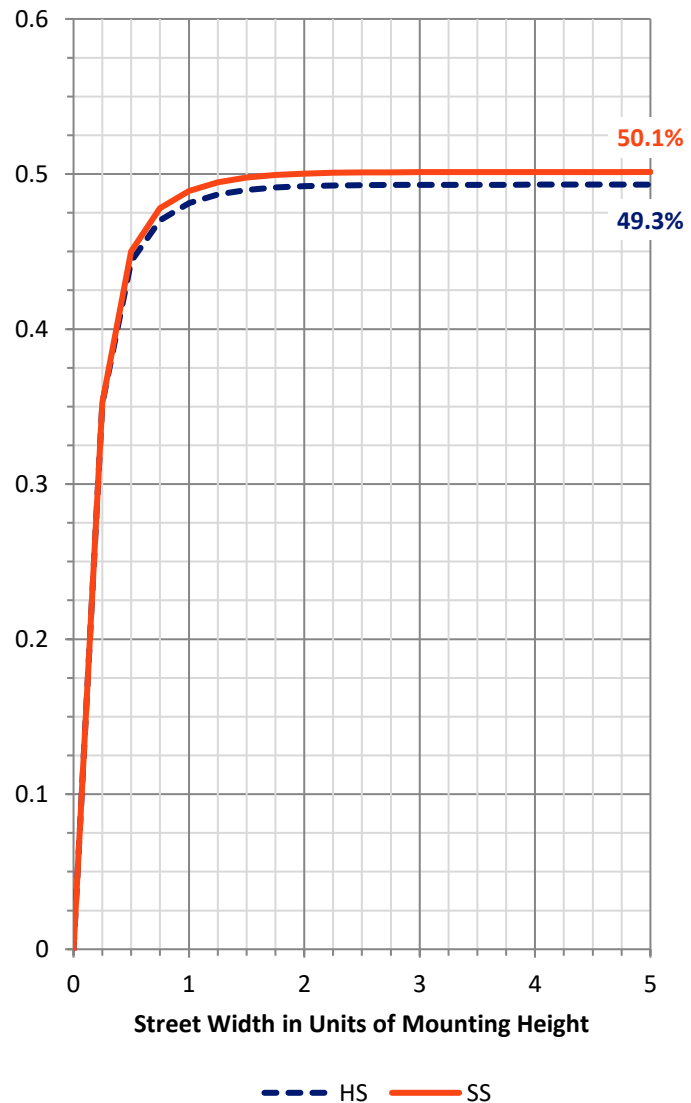
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	985.3	0.0	985.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	985.3	0.0	985.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1970.6	0.0	1970.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	638.3	32.4
10°-20°	703.2	35.7
20°-30°	328.7	16.7
30°-40°	146.0	7.4
40°-50°	82.7	4.2
50°-60°	50.1	2.5
60°-70°	19.4	1.0
70°-80°	2.0	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°	1970.6	100.0
0°-180°	1970.6	100.0

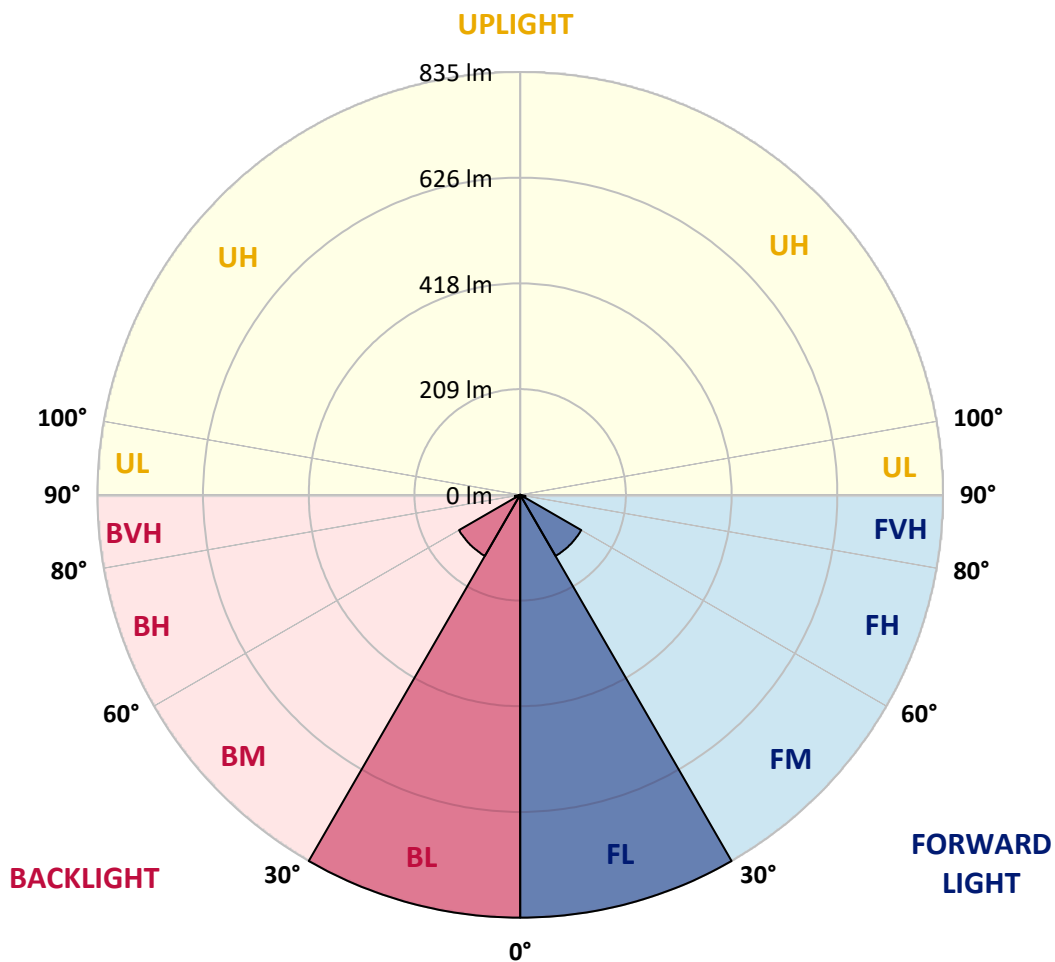


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	835.1	42.4			
FM	(30°-60°)	139.4	7.1			
FH	(60°-80°)	10.7	0.5			G0/660
FVH	(80°-90°)	0.1	0.0			G0/10
BL	(0°-30°)	835.1	42.4	B2/1000		
BM	(30°-60°)	139.4	7.1	B0/220		
BH	(60°-80°)	10.7	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°	9086.3
2.5°	8713.6
5°	7710.0
7.5°	6267.2
10°	4730.1
12.5°	3426.7
15°	2435.1
17.5°	1758.9
20°	1266.3
22.5°	930.7
25°	684.3
27.5°	507.1
30°	375.8
32.5°	285.3
35°	221.2
37.5°	178.5
40°	147.7
42.5°	123.8
45°	104.9
47.5°	89.9
50°	76.7
52.5°	66.0
55°	55.9
57.5°	46.5
60°	36.4
62.5°	27.0
65°	18.9
67.5°	11.9
70°	5.7
72.5°	2.5
75°	1.3
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)