

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: P295424

Luminaire Tested: **TCRS5M(7030)-VISOR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: TCRS5M(7030)-VISOR  
Description: TRACER SMALL, VISOR NEMA 4x4  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 533.3 lumens  
Efficiency: N/A  
Efficacy: 106.7 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): 5  
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

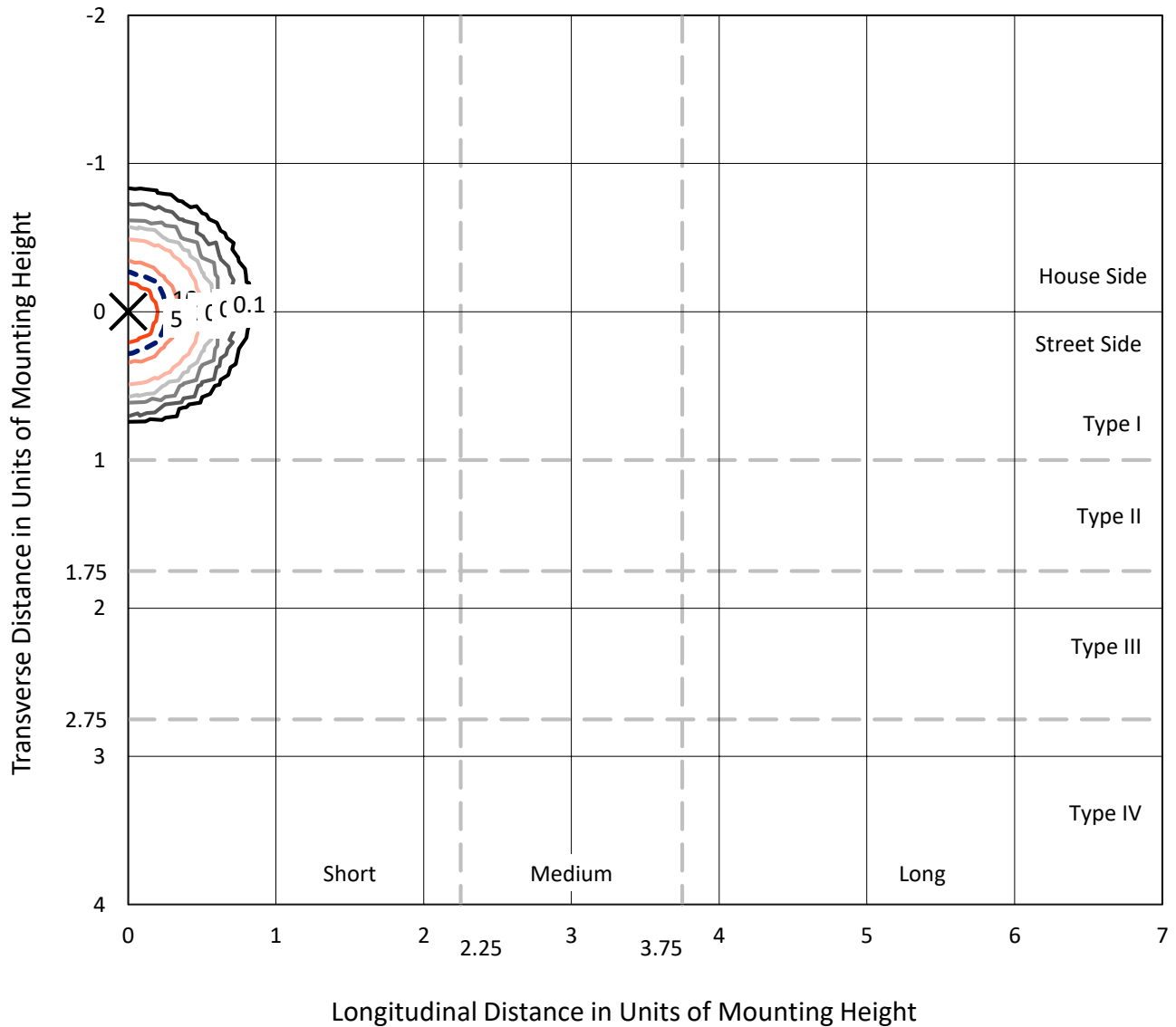


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### Iso-Footcandle Lines of Horizontal Illumination

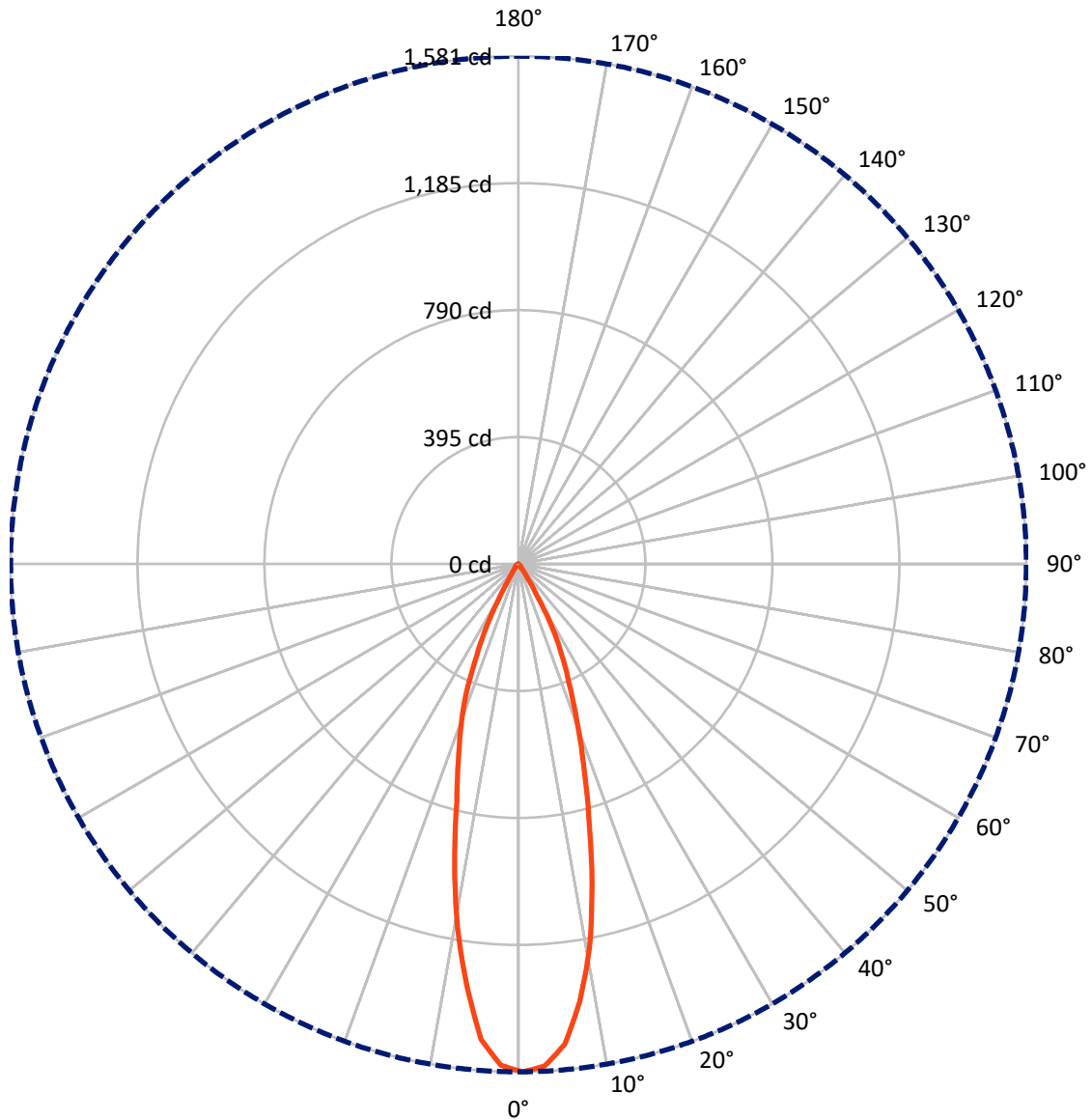
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 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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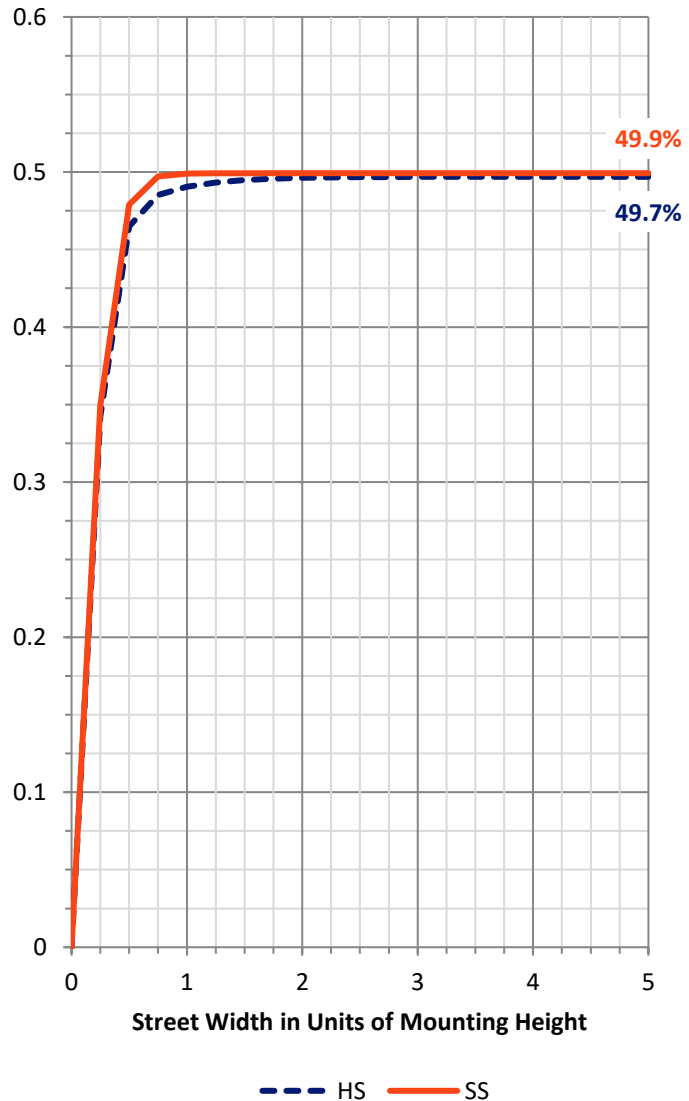
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	268.9	0.0	268.9
	% Fixture	50.4	0.0	50.4
<b>Street Side</b>	Lumens	264.4	0.0	264.4
	% Fixture	49.6	0.0	49.6
<b>Total</b>	Lumens	533.3	0.0	533.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.4	24.6
10°-20°	218.6	41.0
20°-30°	141.8	26.6
30°-40°	28.2	5.3
40°-50°	7.5	1.4
50°-60°	3.9	0.7
60°-70°	1.5	0.3
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°	533.3	100.0
0°-180°	533.3	100.0



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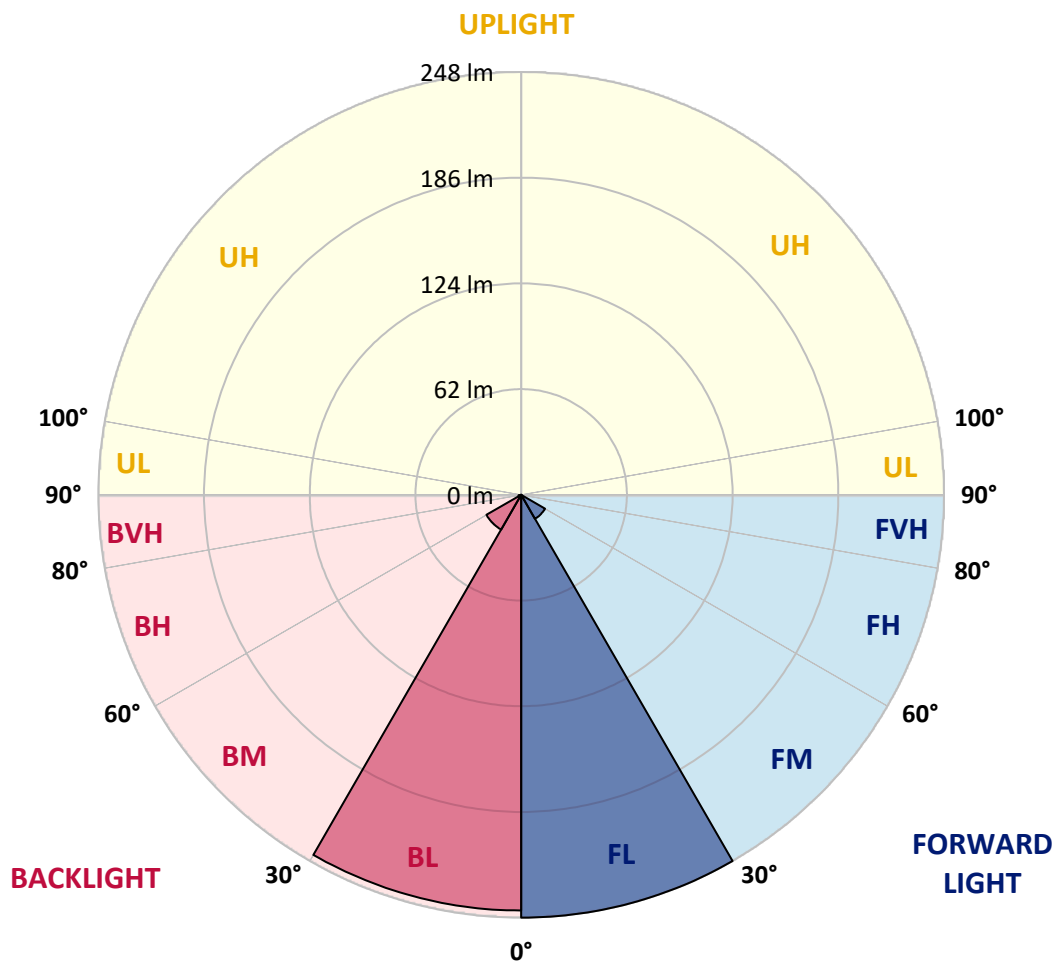
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.0	46.5			
FM (30°-60°)	16.2	3.0			
FH (60°-80°)	0.1	0.0			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	243.8	45.7	B1/500		
BM (30°-60°)	23.5	4.4	B0/220		
BH (60°-80°)	1.5	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°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1580.5	1580.5	1580.5	1580.5	1580.5	1580.5	1580.5	1580.5	1580.5
2.5°	1564.0	1560.5	1558.1	1551.0	1570.5	1561.0	1550.4	1556.3	1561.0
5°	1502.0	1497.9	1488.4	1479.0	1493.1	1472.5	1467.2	1469.5	1483.1
7.5°	1373.3	1370.3	1362.7	1367.4	1353.2	1329.0	1329.6	1330.2	1320.7
10°	1215.1	1204.4	1192.0	1179.6	1176.1	1141.3	1144.2	1141.3	1146.6
12.5°	1019.0	1009.6	985.4	987.2	974.2	935.2	955.9	948.8	954.1
15°	818.9	801.8	791.7	778.7	762.2	761.6	758.1	759.3	765.8
17.5°	655.4	647.7	637.1	614.6	624.1	624.1	619.9	621.7	638.2
20°	519.0	518.4	511.9	513.7	515.4	513.1	513.7	514.2	533.7
22.5°	403.8	413.9	419.2	412.7	421.0	423.3	416.8	412.7	434.5
25°	312.9	301.7	314.1	322.4	330.6	330.0	310.0	307.6	311.7
27.5°	227.9	203.1	198.4	232.0	247.4	231.4	206.6	203.7	218.5
30°	117.5	109.2	114.5	141.7	150.6	133.4	116.9	112.8	116.9
32.5°	53.1	50.8	50.8	62.6	68.5	63.2	60.8	59.6	59.6
35°	26.0	23.6	27.7	33.1	40.1	40.1	39.6	37.8	37.8
37.5°	13.6	14.2	19.5	22.4	27.7	28.3	28.3	27.7	27.7
40°	8.9	8.9	11.8	14.8	17.7	20.1	20.1	20.1	18.9
42.5°	5.9	5.9	8.3	11.2	13.0	15.4	15.4	15.4	14.8
45°	3.5	3.5	4.7	8.3	10.0	12.4	13.0	13.0	12.4
47.5°	1.2	1.8	3.5	5.9	8.9	10.6	11.2	11.2	11.2
50°	0.6	1.2	2.4	4.1	7.7	9.4	10.0	10.0	10.6
52.5°	0.0	0.6	1.2	3.0	6.5	8.3	8.9	8.9	9.4
55°	0.0	0.0	0.6	2.4	5.3	7.1	7.7	7.7	8.3
57.5°	0.0	0.0	0.6	1.8	4.1	5.3	6.5	6.5	7.1
60°	0.0	0.0	0.0	1.2	3.0	4.1	5.3	5.3	5.9
62.5°	0.0	0.0	0.0	0.6	1.8	3.0	4.1	4.7	4.7
65°	0.0	0.0	0.0	0.6	1.2	2.4	3.0	3.5	3.0
67.5°	0.0	0.0	0.0	0.0	0.6	1.8	1.8	2.4	1.8
70°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)