

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: P295431

Luminaire Tested: **TCSR8M(7040-7050)-VISOR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295431  
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: TCRS8M(7040-7050)-VISOR  
Description: TRACER SMALL, VISOR NEMA 4x4  
Light Source: (6) 4000K&5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 845.7 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B1 - U0 - G0

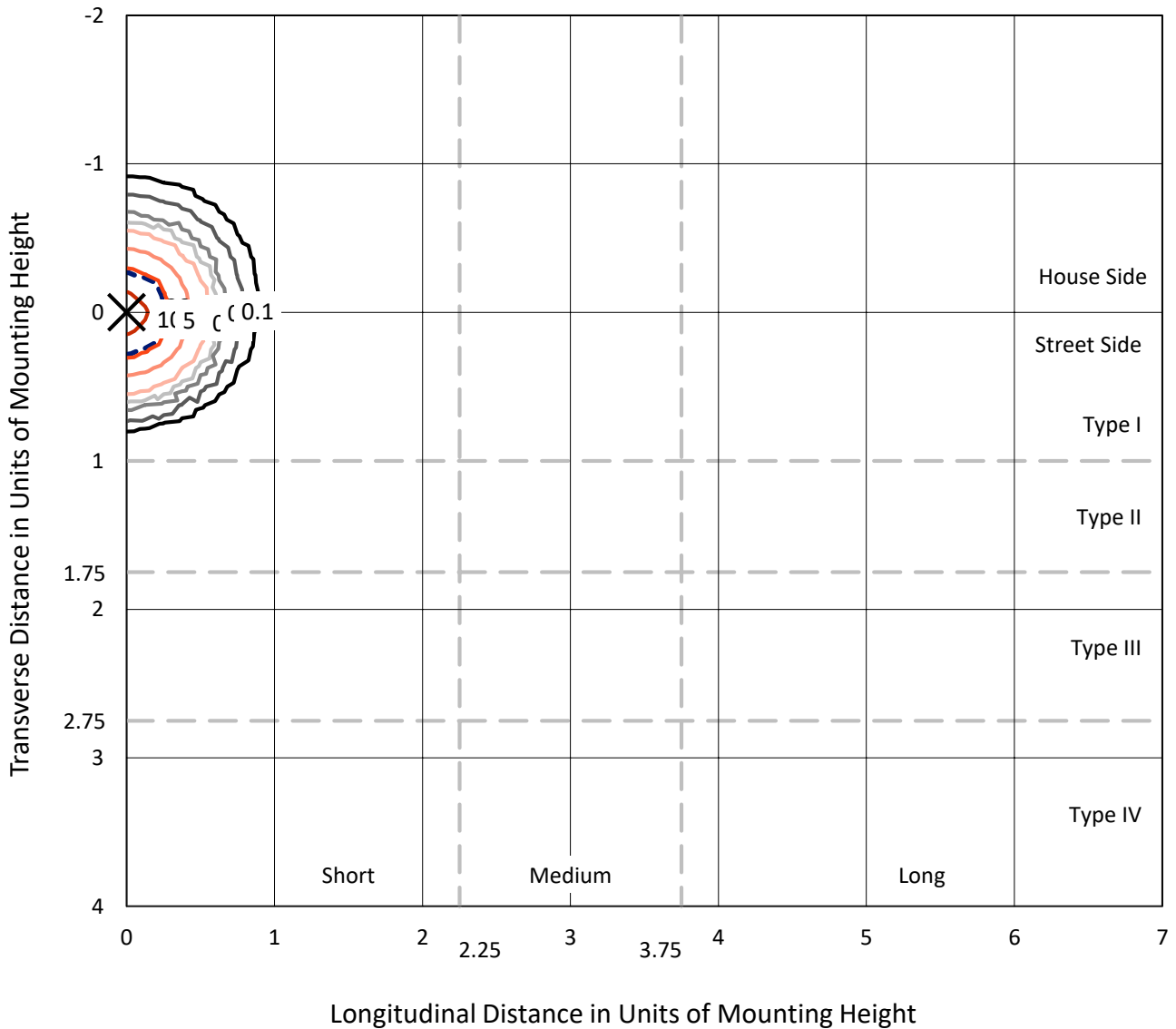
Input Watts (W): 8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

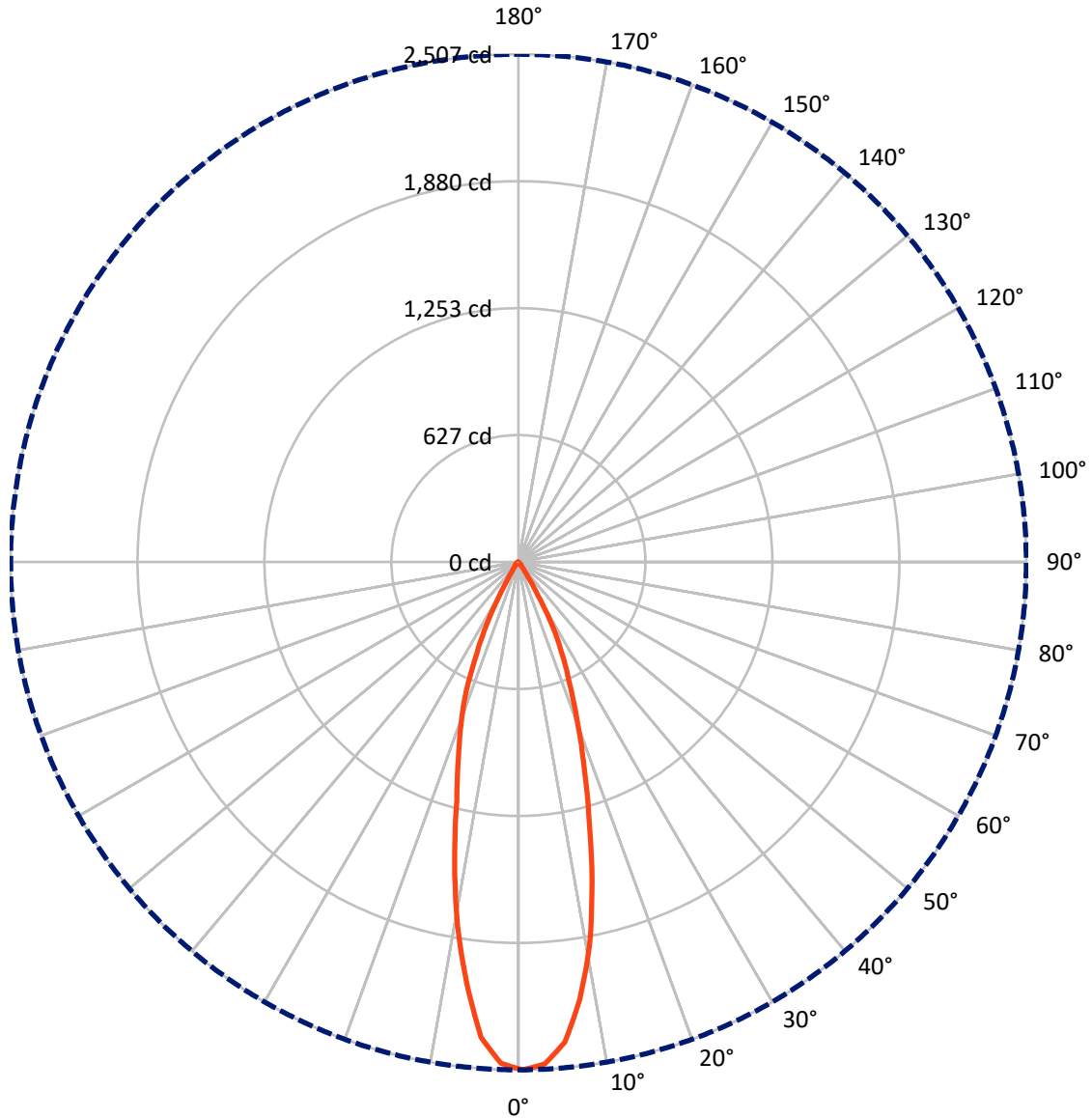
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.1 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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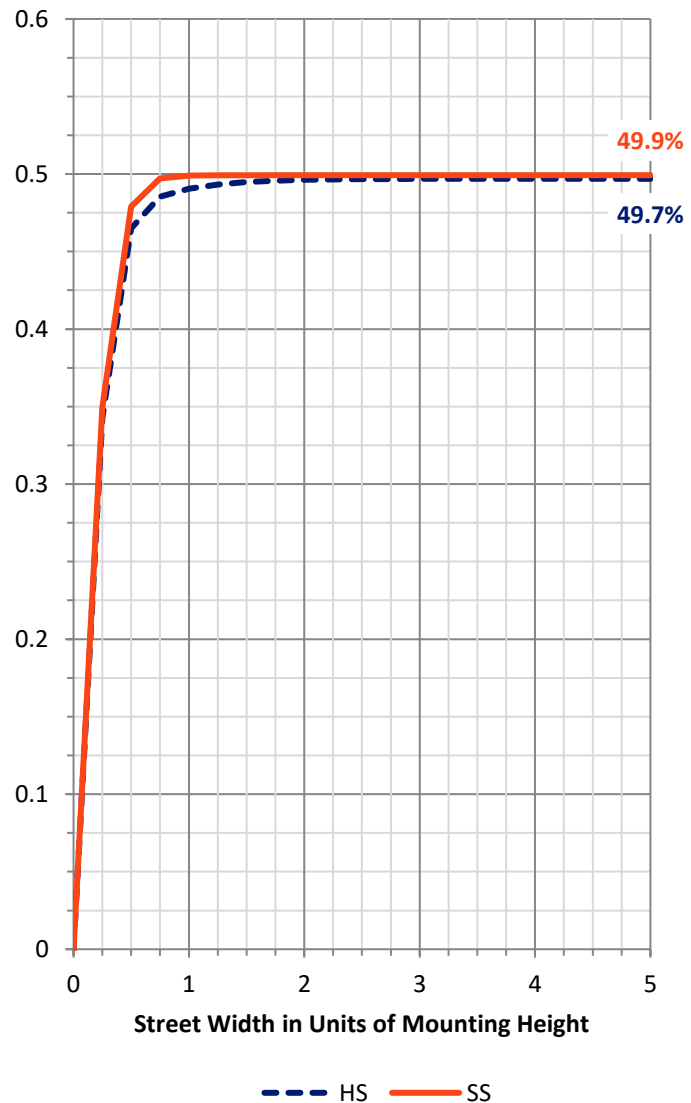
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	426.4	0.0	426.4
	% Fixture	50.4	0.0	50.4
<b>Street Side</b>	Lumens	419.3	0.0	419.3
	% Fixture	49.6	0.0	49.6
<b>Total</b>	Lumens	845.7	0.0	845.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.4	24.6
10°-20°	346.7	41.0
20°-30°	224.9	26.6
30°-40°	44.8	5.3
40°-50°	12.0	1.4
50°-60°	6.2	0.7
60°-70°	2.4	0.3
70°-80°	0.2	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°	845.7	100.0
0°-180°	845.7	100.0



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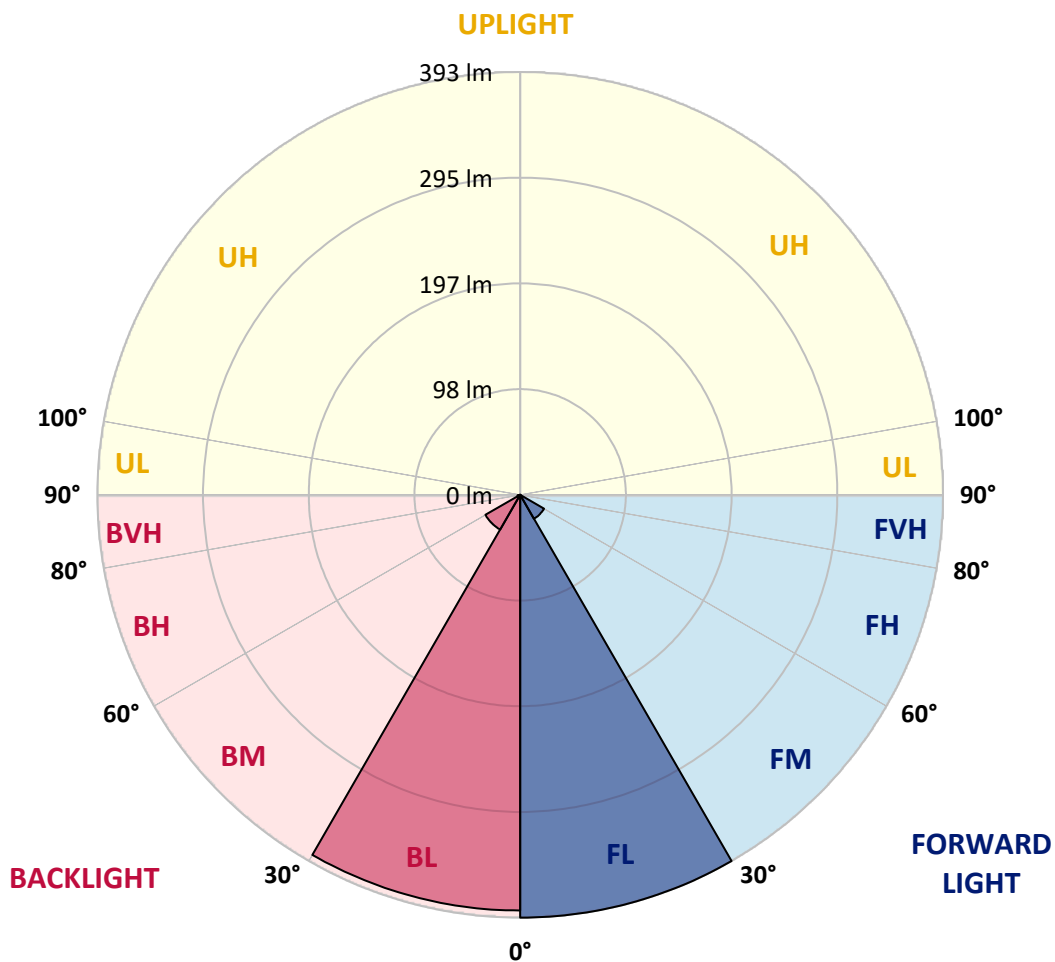
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.4	46.5			
FM	(30°-60°)	25.7	3.0			
FH	(60°-80°)	0.2	0.0			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	386.7	45.7	B1/500		
BM	(30°-60°)	37.3	4.4	B0/220		
BH	(60°-80°)	2.4	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°	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7
2.5°	2480.5	2474.8	2471.1	2459.9	2490.8	2475.8	2458.9	2468.3	2475.8
5°	2382.1	2375.6	2360.6	2345.6	2368.1	2335.3	2326.9	2330.6	2352.2
7.5°	2178.0	2173.3	2161.2	2168.6	2146.2	2107.8	2108.7	2109.7	2094.7
10°	1927.1	1910.2	1890.5	1870.9	1865.3	1810.0	1814.7	1810.0	1818.4
12.5°	1616.2	1601.2	1562.8	1565.6	1545.0	1483.2	1516.0	1504.8	1513.2
15°	1298.8	1271.6	1255.7	1235.1	1208.9	1207.9	1202.3	1204.2	1214.5
17.5°	1039.4	1027.2	1010.3	974.8	989.7	989.7	983.2	986.0	1012.2
20°	823.1	822.1	811.8	814.6	817.5	813.7	814.6	815.6	846.5
22.5°	640.5	656.4	664.8	654.5	667.6	671.4	661.1	654.5	689.2
25°	496.3	478.5	498.2	511.3	524.4	523.4	491.6	487.9	494.4
27.5°	361.4	322.1	314.6	368.0	392.3	367.1	327.7	323.0	346.5
30°	186.3	173.2	181.7	224.7	238.8	211.6	185.4	178.8	185.4
32.5°	84.3	80.5	80.5	99.3	108.6	100.2	96.4	94.6	94.6
35°	41.2	37.5	44.0	52.4	63.7	63.7	62.7	59.9	59.9
37.5°	21.5	22.5	30.9	35.6	44.0	44.9	44.9	44.0	44.0
40°	14.0	14.0	18.7	23.4	28.1	31.8	31.8	31.8	30.0
42.5°	9.4	9.4	13.1	17.8	20.6	24.3	24.3	24.3	23.4
45°	5.6	5.6	7.5	13.1	15.9	19.7	20.6	20.6	19.7
47.5°	1.9	2.8	5.6	9.4	14.0	16.9	17.8	17.8	17.8
50°	0.9	1.9	3.7	6.6	12.2	15.0	15.9	15.9	16.9
52.5°	0.0	0.9	1.9	4.7	10.3	13.1	14.0	14.0	15.0
55°	0.0	0.0	0.9	3.7	8.4	11.2	12.2	12.2	13.1
57.5°	0.0	0.0	0.9	2.8	6.6	8.4	10.3	10.3	11.2
60°	0.0	0.0	0.0	1.9	4.7	6.6	8.4	8.4	9.4
62.5°	0.0	0.0	0.0	0.9	2.8	4.7	6.6	7.5	7.5
65°	0.0	0.0	0.0	0.9	1.9	3.7	4.7	5.6	4.7
67.5°	0.0	0.0	0.0	0.0	0.9	2.8	2.8	3.7	2.8
70°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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)