

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: P295430

Luminaire Tested: **TCSR8M(7030)-VISOR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295430  
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(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: 817.5 lumens  
Efficiency: N/A  
Efficacy: 102.2 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

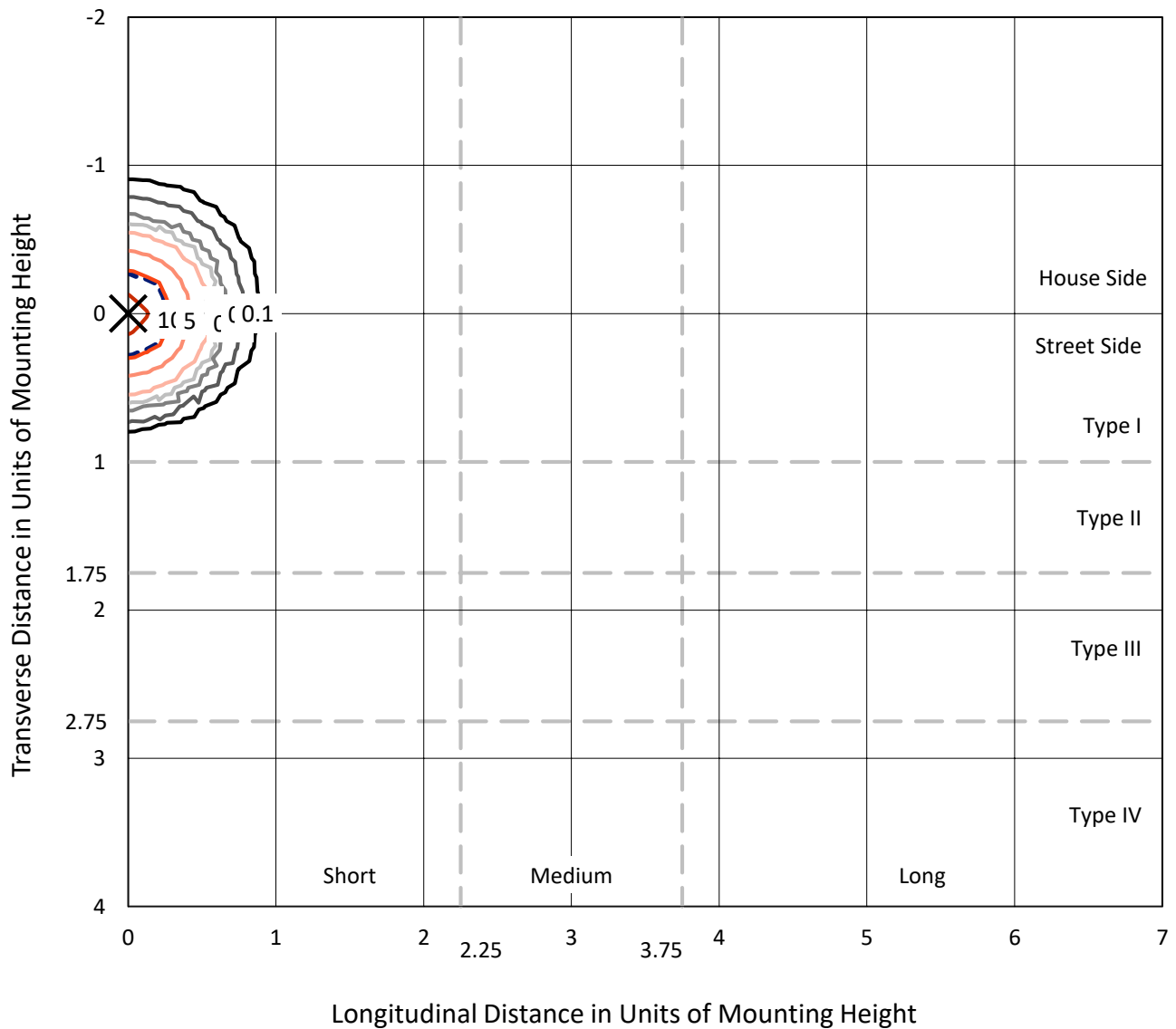


REPORT NUMBER: P295430

CATALOG NUMBER: TCRS8M(7030)-VISOR

### Iso-Footcandle Lines of Horizontal Illumination

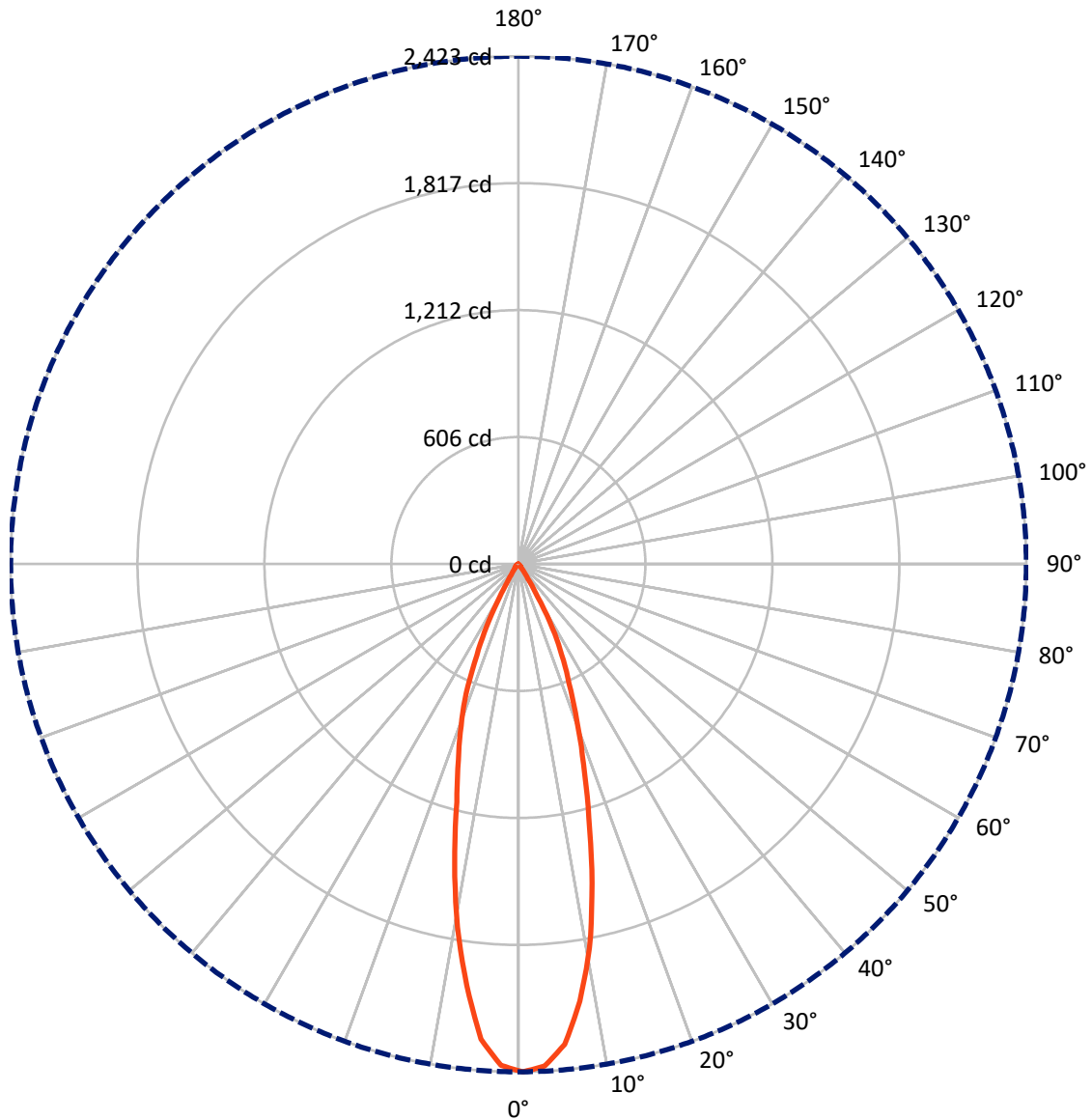
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.2 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P295430  
CATALOG NUMBER: TCRS8M(7030)-VISOR

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P295430

CATALOG NUMBER: TCRS8M(7030)-VISOR

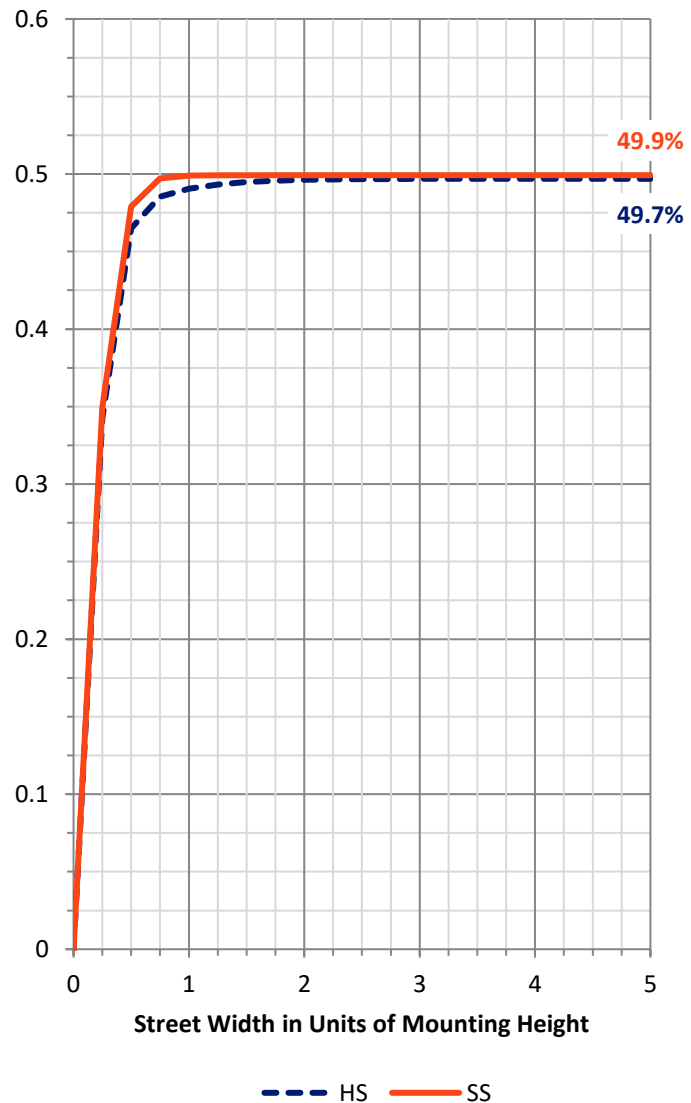
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	412.2	0.0	412.2
	% Fixture	50.4	0.0	50.4
<b>Street Side</b>	Lumens	405.3	0.0	405.3
	% Fixture	49.6	0.0	49.6
<b>Total</b>	Lumens	817.5	0.0	817.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.5	24.6
10°-20°	335.2	41.0
20°-30°	217.4	26.6
30°-40°	43.3	5.3
40°-50°	11.6	1.4
50°-60°	6.0	0.7
60°-70°	2.3	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°	817.5	100.0
0°-180°	817.5	100.0



REPORT NUMBER: P295430

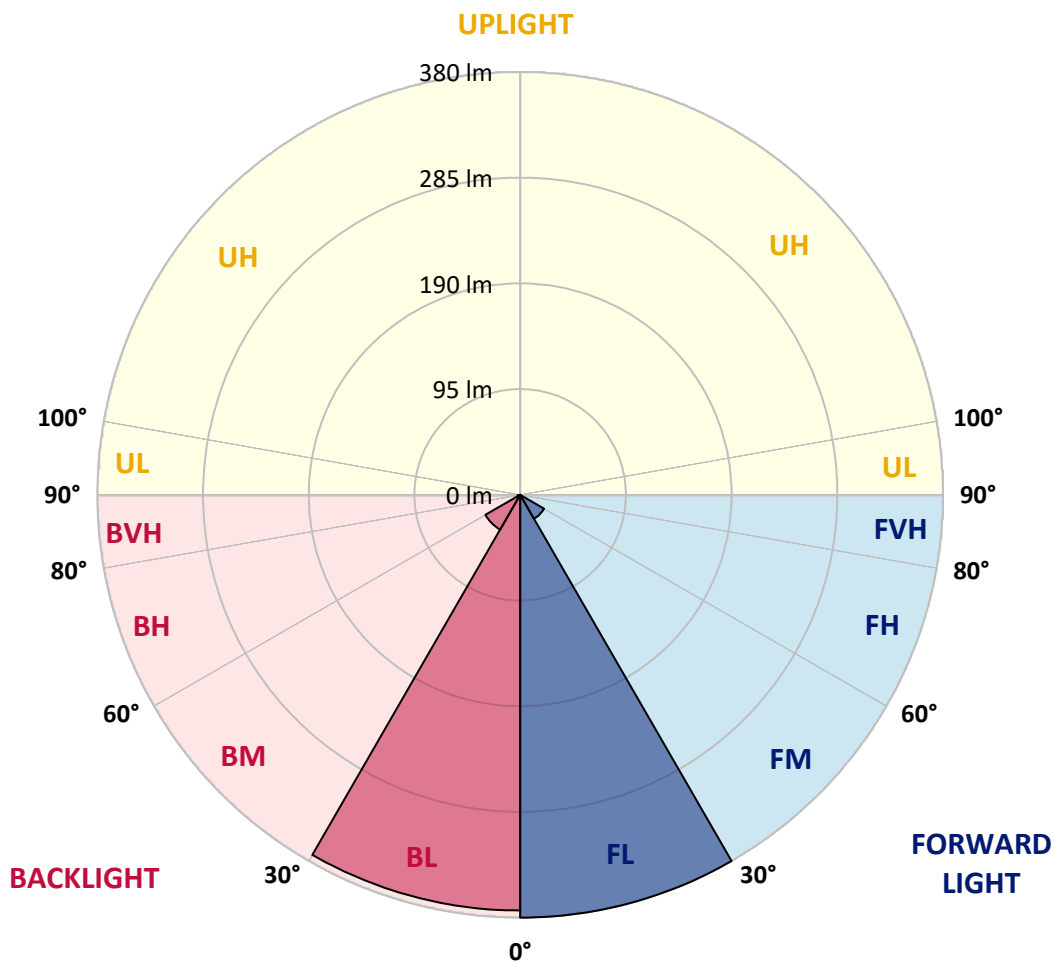
CATALOG NUMBER: TCRS8M(7030)-VISOR

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.3	46.5			
FM	(30°-60°)	24.8	3.0			
FH	(60°-80°)	0.2	0.0			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	373.8	45.7	B1/500		
BM	(30°-60°)	36.1	4.4	B0/220		
BH	(60°-80°)	2.3	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





REPORT NUMBER: P295430

CATALOG NUMBER: TCRS8M(7030)-VISOR

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1	2423.1
2.5°	2397.8	2392.3	2388.7	2377.9	2407.7	2393.2	2377.0	2386.0	2393.2
5°	2302.7	2296.4	2281.9	2267.4	2289.2	2257.5	2249.3	2252.9	2273.8
7.5°	2105.4	2100.9	2089.1	2096.4	2074.6	2037.5	2038.4	2039.3	2024.8
10°	1862.8	1846.5	1827.5	1808.5	1803.1	1749.7	1754.2	1749.7	1757.8
12.5°	1562.3	1547.8	1510.7	1513.4	1493.5	1433.8	1465.5	1454.6	1462.7
15°	1255.5	1229.2	1213.8	1193.9	1168.6	1167.7	1162.2	1164.0	1174.0
17.5°	1004.7	993.0	976.7	942.3	956.8	956.8	950.4	953.1	978.5
20°	795.6	794.7	784.8	787.5	790.2	786.6	787.5	788.4	818.3
22.5°	619.1	634.5	642.7	632.7	645.4	649.0	639.0	632.7	666.2
25°	479.7	462.5	481.5	494.2	506.9	506.0	475.2	471.6	477.9
27.5°	349.4	311.4	304.1	355.7	379.3	354.8	316.8	312.3	334.9
30°	180.1	167.5	175.6	217.2	230.8	204.6	179.2	172.9	179.2
32.5°	81.5	77.8	77.8	95.9	105.0	96.9	93.2	91.4	91.4
35°	39.8	36.2	42.5	50.7	61.6	61.6	60.6	57.9	57.9
37.5°	20.8	21.7	29.9	34.4	42.5	43.4	43.4	42.5	42.5
40°	13.6	13.6	18.1	22.6	27.2	30.8	30.8	30.8	29.0
42.5°	9.1	9.1	12.7	17.2	19.9	23.5	23.5	23.5	22.6
45°	5.4	5.4	7.2	12.7	15.4	19.0	19.9	19.9	19.0
47.5°	1.8	2.7	5.4	9.1	13.6	16.3	17.2	17.2	17.2
50°	0.9	1.8	3.6	6.3	11.8	14.5	15.4	15.4	16.3
52.5°	0.0	0.9	1.8	4.5	10.0	12.7	13.6	13.6	14.5
55°	0.0	0.0	0.9	3.6	8.1	10.9	11.8	11.8	12.7
57.5°	0.0	0.0	0.9	2.7	6.3	8.1	10.0	10.0	10.9
60°	0.0	0.0	0.0	1.8	4.5	6.3	8.1	8.1	9.1
62.5°	0.0	0.0	0.0	0.9	2.7	4.5	6.3	7.2	7.2
65°	0.0	0.0	0.0	0.9	1.8	3.6	4.5	5.4	4.5
67.5°	0.0	0.0	0.0	0.0	0.9	2.7	2.7	3.6	2.7
70°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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)