

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: P295433

Luminaire Tested: **TCRS8S(7040-7050)-VISOR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295433  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-222-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: TCRS8S(7040-7050)-VISOR  
Description: TRACER SMALL, VISOR NEMA 3x3  
Light Source: (6) 4000K&5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 797.2 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B1 - U0 - G0

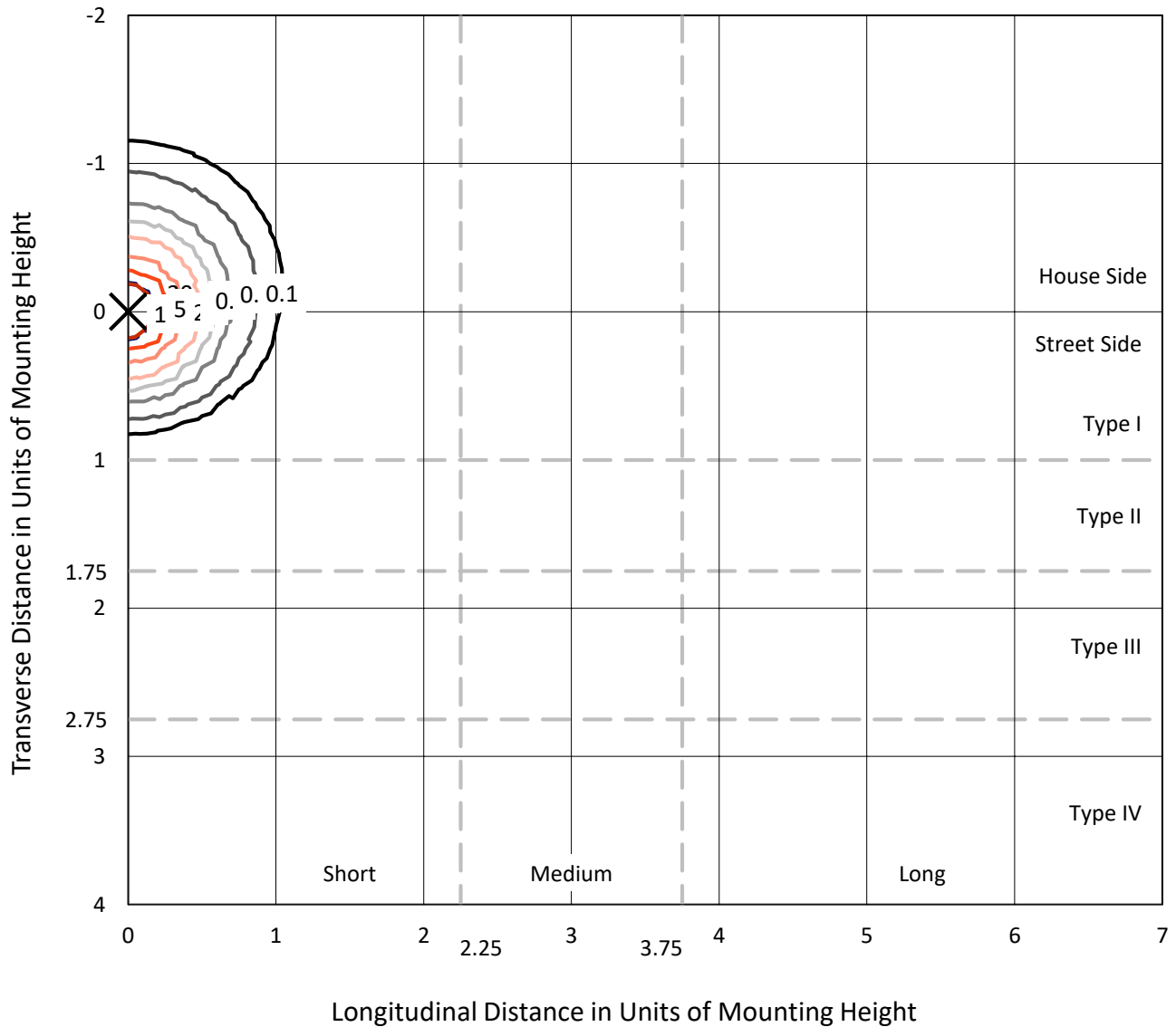
Input Watts (W): 8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

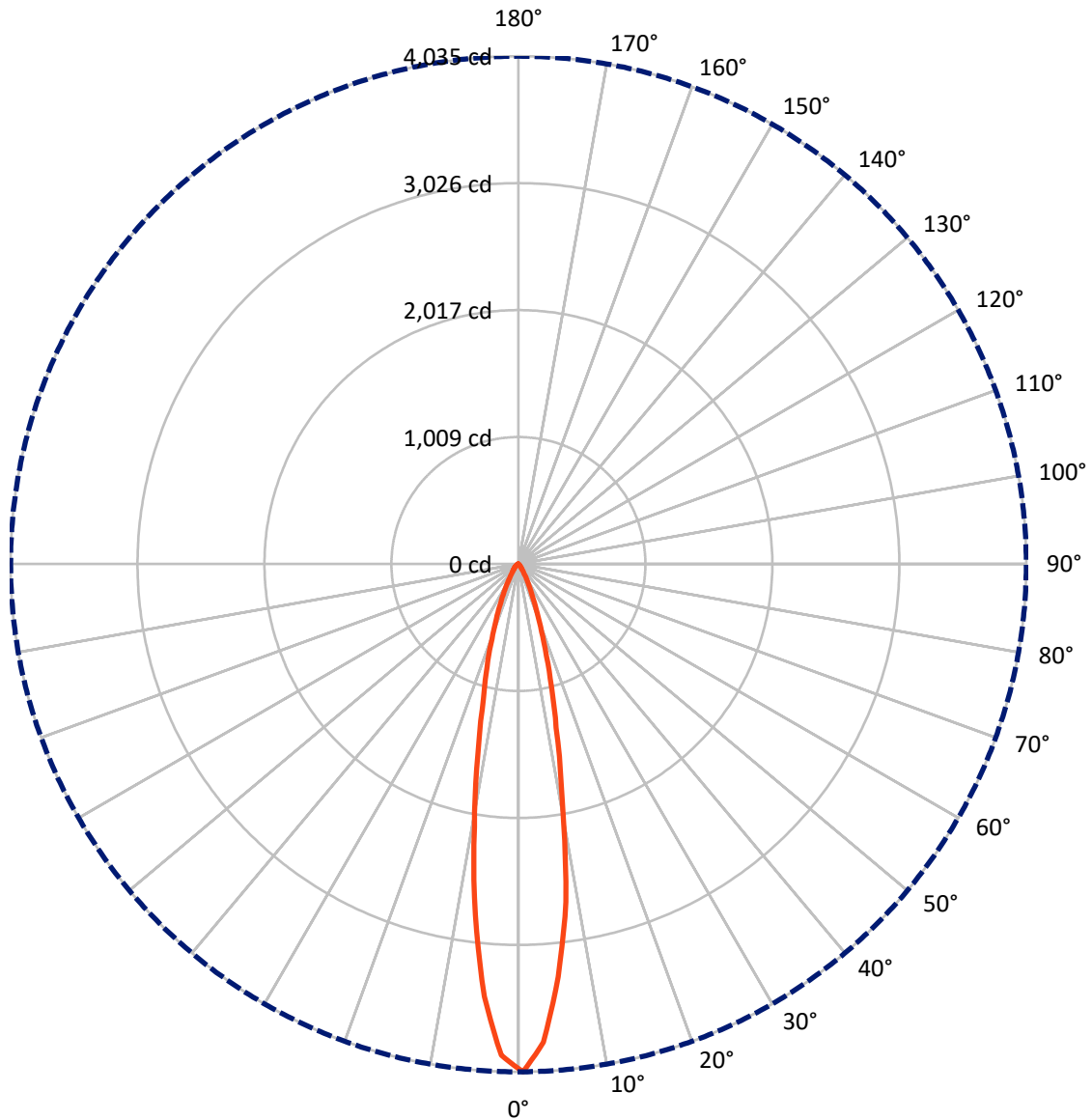
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 40.3 fc  
 Type I - 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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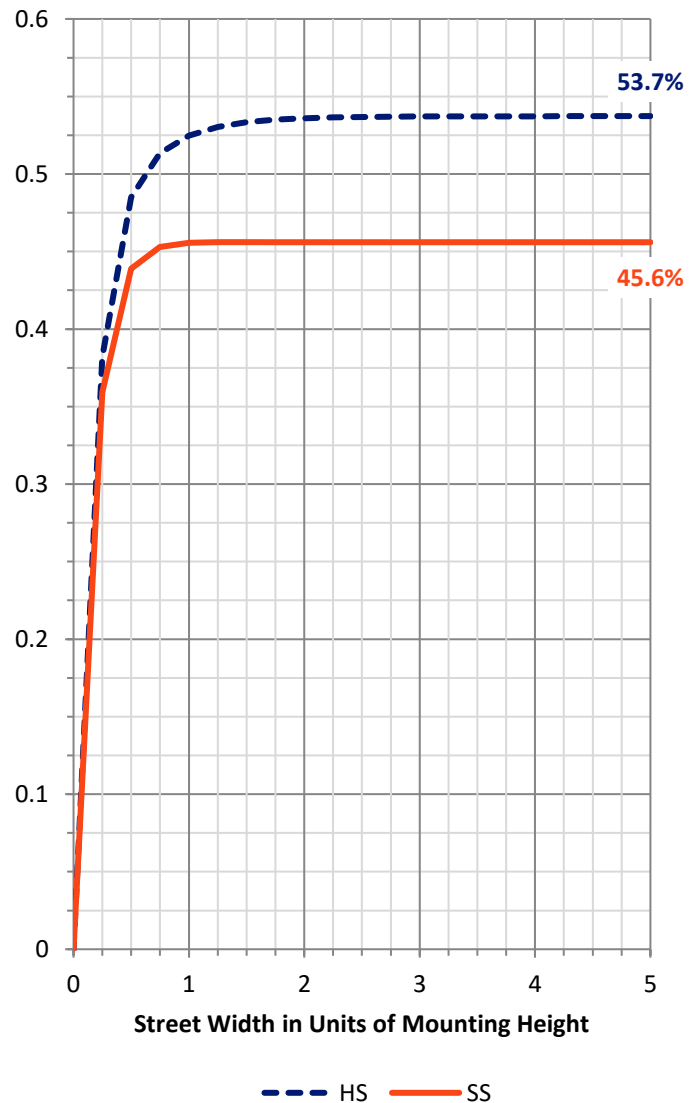
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	434.5	0.0	434.5
	% Fixture	54.5	0.0	54.5
<b>Street Side</b>	Lumens	362.7	0.0	362.7
	% Fixture	45.5	0.0	45.5
<b>Total</b>	Lumens	797.2	0.0	797.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.7	35.1
10°-20°	298.0	37.4
20°-30°	131.4	16.5
30°-40°	49.8	6.3
40°-50°	22.7	2.8
50°-60°	11.0	1.4
60°-70°	3.9	0.5
70°-80°	0.5	0.1
80°-90°	0.1	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°	797.2	100.0
0°-180°	797.2	100.0



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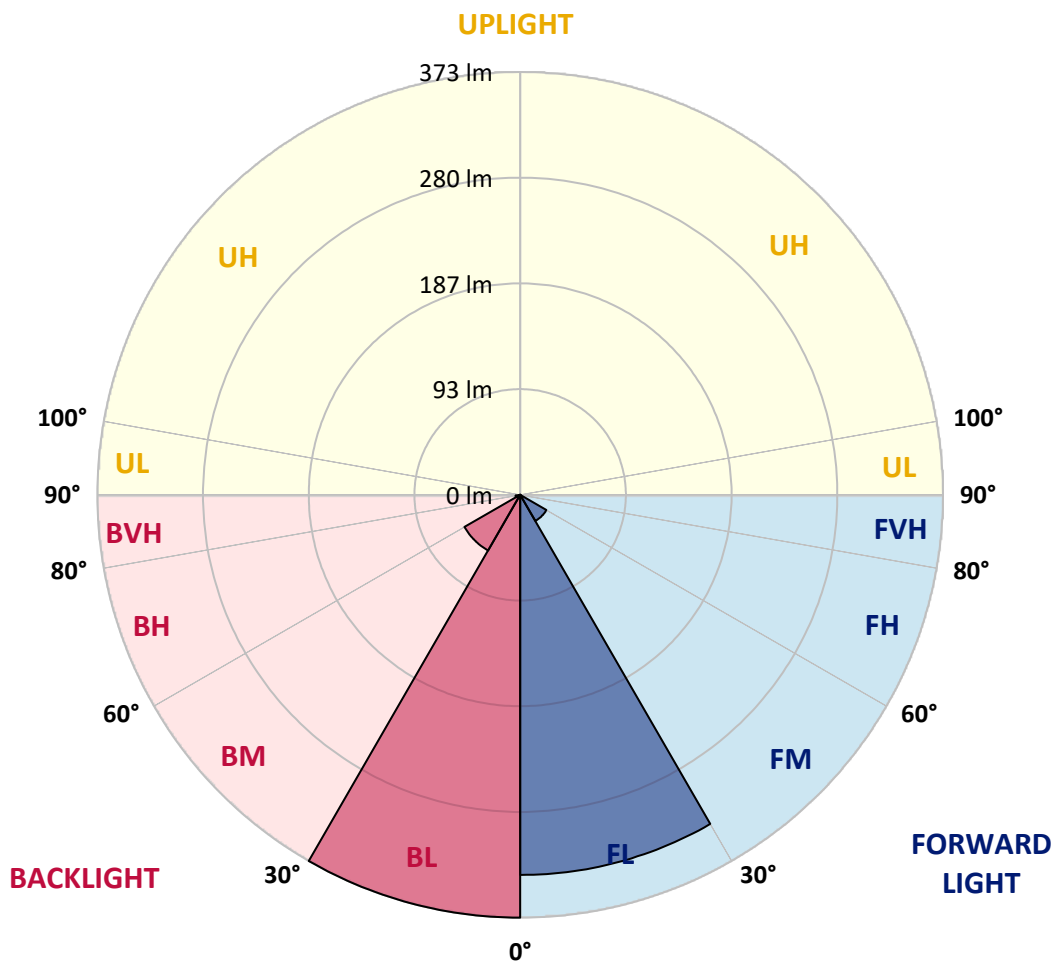
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.7	42.1			
FM	(30°-60°)	26.7	3.3			
FH	(60°-80°)	0.3	0.0			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	373.4	46.8	B1/500		
BM	(30°-60°)	56.8	7.1	B0/220		
BH	(60°-80°)	4.1	0.5	B0/110		G0/110
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: B1-U0-G0**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	4034.9	4034.9	4034.9	4034.9	4034.9	4034.9	4034.9	4034.9	4034.9
2.5°	3804.6	3856.4	3862.5	3864.5	3888.8	3881.7	3901.0	3847.2	3904.1
5°	3293.3	3348.1	3402.9	3350.1	3398.8	3430.3	3403.9	3443.4	3445.5
7.5°	2710.9	2639.9	2685.6	2735.3	2716.0	2773.8	2805.3	2776.9	2811.4
10°	1905.4	1936.8	1972.3	2027.1	2008.8	2064.6	2118.4	2133.6	2119.4
12.5°	1334.2	1376.8	1399.1	1434.6	1456.9	1471.1	1559.4	1535.0	1544.2
15°	945.6	931.4	979.1	988.2	1012.5	1058.2	1098.8	1113.0	1104.9
17.5°	646.3	666.6	678.7	695.0	747.7	771.1	801.5	794.4	852.2
20°	447.4	449.5	477.9	499.2	542.8	568.2	588.4	593.5	630.0
22.5°	301.3	302.3	330.7	360.2	383.5	412.9	422.1	440.3	466.7
25°	216.1	206.0	223.2	255.7	285.1	301.3	308.4	318.6	347.0
27.5°	144.1	136.0	141.0	178.6	208.0	221.2	225.2	238.4	254.7
30°	92.3	93.3	95.4	122.8	153.2	161.3	165.4	171.5	183.6
32.5°	58.8	62.9	71.0	84.2	111.6	121.7	124.8	127.8	137.0
35°	39.6	42.6	54.8	63.9	84.2	93.3	95.4	98.4	105.5
37.5°	26.4	29.4	38.6	49.7	62.9	73.0	76.1	76.1	79.1
40°	18.3	20.3	27.4	39.6	48.7	57.8	60.9	61.9	63.9
42.5°	13.2	13.2	18.3	31.5	38.6	46.7	50.7	51.7	53.8
45°	7.1	8.1	13.2	24.3	30.4	38.6	42.6	44.6	45.7
47.5°	2.0	4.1	9.1	17.2	25.4	32.5	36.5	38.6	38.6
50°	1.0	1.0	5.1	12.2	21.3	27.4	31.5	32.5	33.5
52.5°	0.0	1.0	3.0	8.1	16.2	22.3	26.4	27.4	28.4
55°	0.0	0.0	1.0	6.1	13.2	19.3	21.3	23.3	23.3
57.5°	0.0	0.0	1.0	4.1	10.1	15.2	18.3	19.3	19.3
60°	0.0	0.0	0.0	3.0	7.1	11.2	14.2	15.2	16.2
62.5°	0.0	0.0	0.0	1.0	5.1	8.1	11.2	11.2	13.2
65°	0.0	0.0	0.0	1.0	3.0	5.1	8.1	9.1	9.1
67.5°	0.0	0.0	0.0	0.0	1.0	3.0	5.1	6.1	6.1
70°	0.0	0.0	0.0	0.0	1.0	2.0	3.0	4.1	4.1
72.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)