

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: P295398

Luminaire Tested: **TCRL15W(7030)-VISOR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-15)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: TCRL15W(7030)-VISOR  
Description: TRACER LARGE, VISOR NEMA 5x5  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1523.2 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B2 - U0 - G0

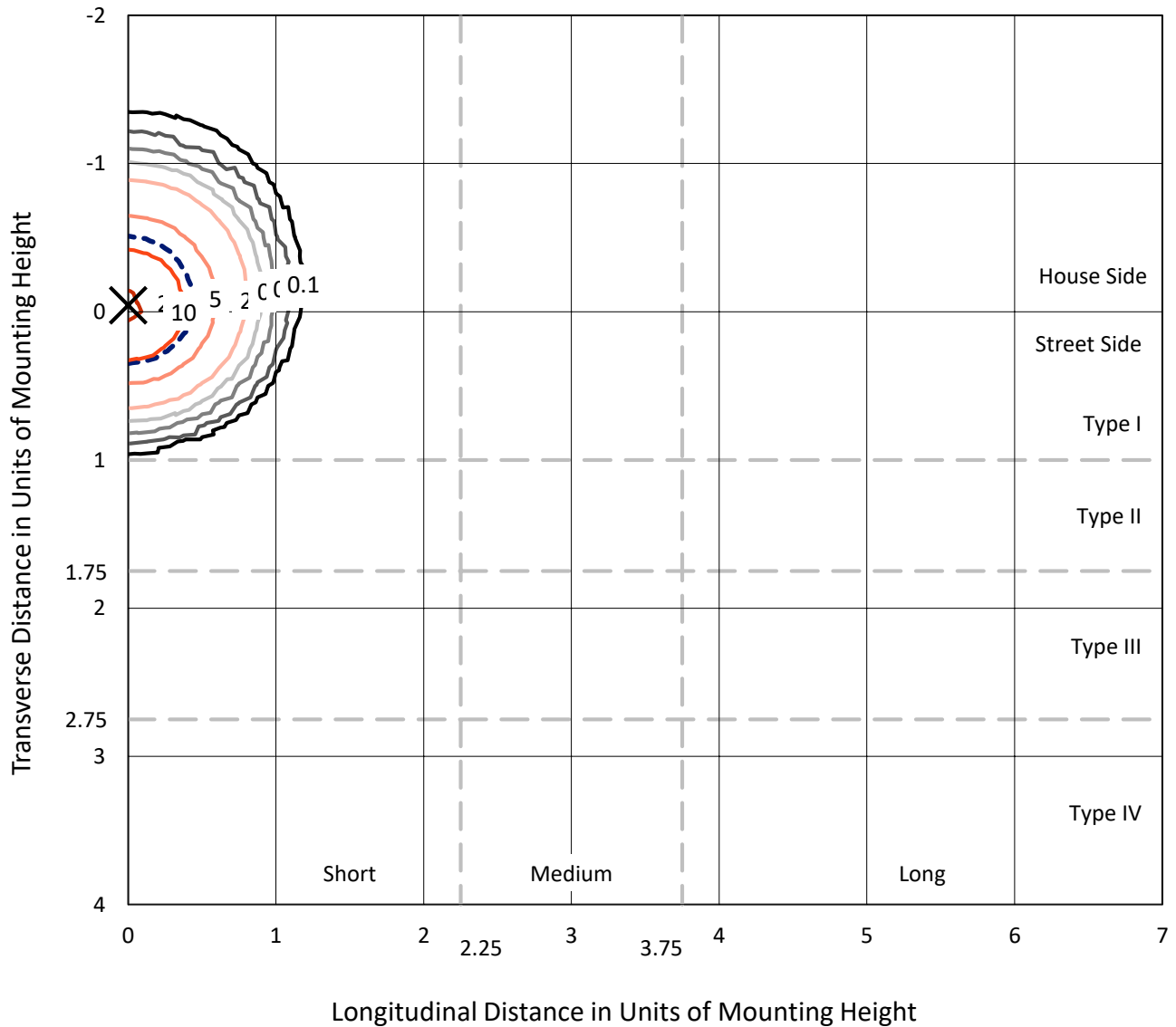
Input Watts (W): 12  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

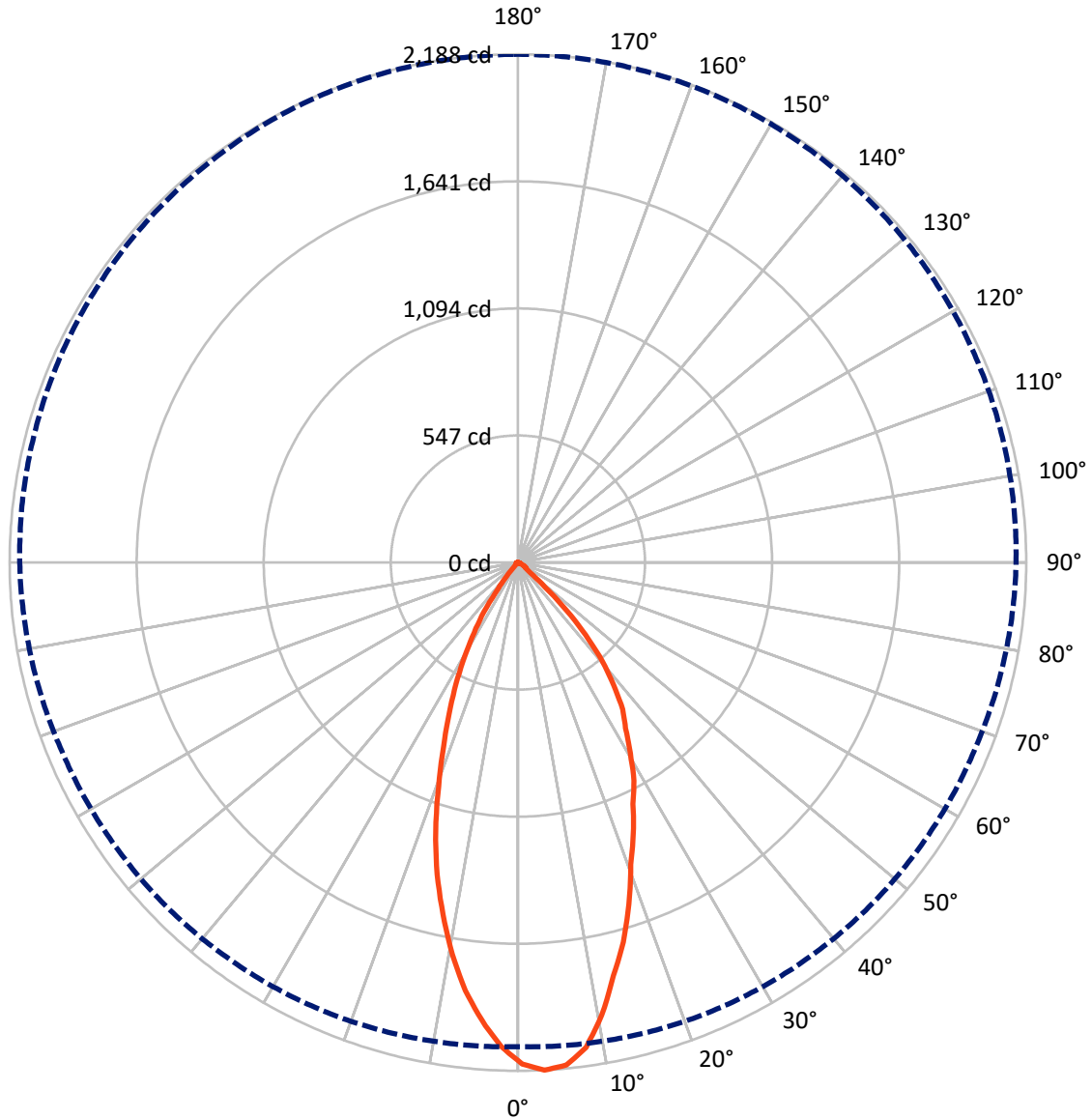
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.6 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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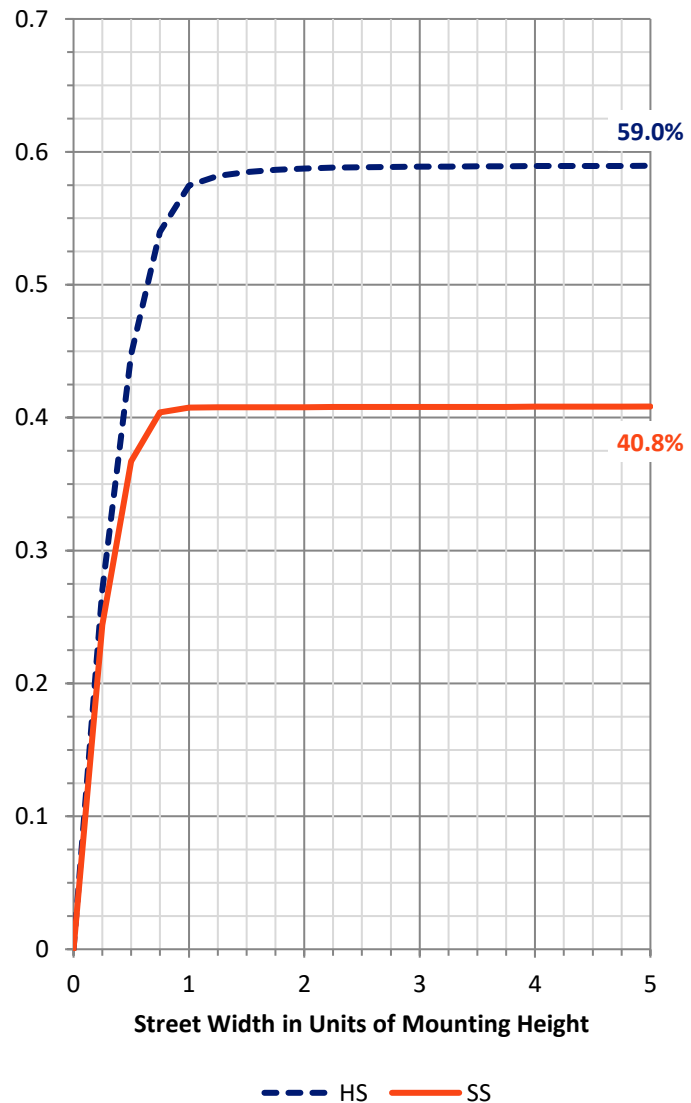
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	905.8	0.0	905.8
	% Fixture	59.5	0.0	59.5
<b>Street Side</b>	Lumens	617.4	0.0	617.4
	% Fixture	40.5	0.0	40.5
<b>Total</b>	Lumens	1523.2	0.0	1523.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.8	12.5
10°-20°	422.3	27.7
20°-30°	443.5	29.1
30°-40°	329.7	21.6
40°-50°	110.5	7.3
50°-60°	17.4	1.1
60°-70°	6.5	0.4
70°-80°	2.5	0.2
80°-90°	1.2	0.1
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°	1523.2	100.0
0°-180°	1523.2	100.0



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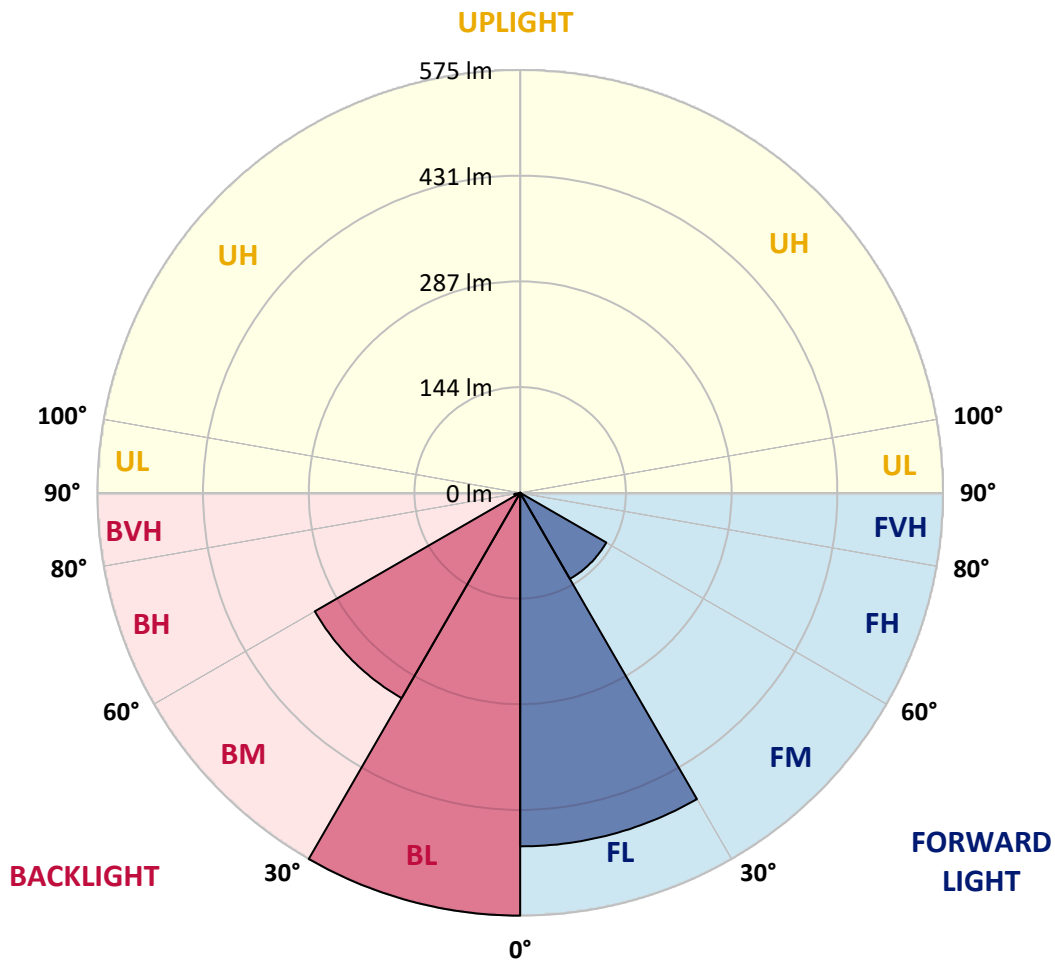
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	480.7	31.6			
FM	(30°-60°)	135.2	8.9			
FH	(60°-80°)	1.1	0.1			G0/660
FVH	(80°-90°)	0.5	0.0			G0/10
BL	(0°-30°)	574.8	37.7	B2/1000		
BM	(30°-60°)	322.4	21.2	B1/1000		
BH	(60°-80°)	7.9	0.5	B0/110		G0/110
BVH	(80°-90°)	0.7	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 I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2157.8	2157.8	2157.8	2157.8	2157.8	2157.8	2157.8	2157.8	2157.8
2.5°	2083.6	2103.1	2116.3	2124.1	2144.1	2158.3	2171.0	2182.7	2187.6
5°	1976.1	1986.3	2005.4	2038.1	2087.9	2106.0	2146.6	2150.5	2172.5
7.5°	1855.4	1853.9	1854.4	1910.1	1963.8	1991.2	2054.2	2093.8	2107.0
10°	1709.7	1706.8	1725.4	1753.7	1799.2	1848.5	1912.5	1970.2	1981.4
12.5°	1548.5	1555.8	1564.6	1612.0	1667.7	1701.9	1760.6	1808.4	1825.1
15°	1387.2	1394.1	1415.1	1462.0	1519.2	1550.0	1623.3	1676.0	1696.1
17.5°	1209.4	1226.5	1259.7	1314.4	1368.2	1394.1	1475.7	1527.5	1546.5
20°	1023.2	1047.6	1100.4	1191.3	1252.4	1280.2	1316.9	1372.1	1387.2
22.5°	854.1	855.6	946.0	1067.7	1122.4	1164.4	1207.9	1246.5	1271.4
25°	712.9	735.4	797.9	917.7	1028.6	1065.2	1103.8	1160.0	1150.7
27.5°	585.4	616.7	690.4	783.3	920.1	962.1	996.3	1043.2	1063.8
30°	464.7	498.4	566.3	672.9	790.1	862.9	891.8	943.1	952.8
32.5°	355.7	368.9	447.1	556.1	675.3	759.8	811.1	847.3	850.7
35°	258.5	270.7	339.1	463.2	552.6	661.6	714.9	750.1	776.9
37.5°	139.3	157.8	242.4	339.1	453.9	563.9	620.6	659.2	669.4
40°	73.8	87.5	130.0	226.2	329.8	443.7	515.0	557.0	561.9
42.5°	26.9	28.3	57.2	121.7	192.0	299.5	386.0	427.1	426.1
45°	13.2	13.2	32.7	57.7	101.6	171.0	245.8	272.7	297.1
47.5°	1.5	1.5	6.8	25.9	48.9	72.3	113.4	140.2	155.9
50°	0.0	0.0	0.0	10.3	26.9	44.5	57.7	63.0	68.9
52.5°	0.0	0.0	0.0	6.8	22.5	31.3	42.0	49.4	50.3
55°	0.0	0.0	1.0	4.4	11.7	31.8	36.2	45.4	38.6
57.5°	0.0	1.5	0.0	3.4	14.2	22.5	31.3	40.1	40.1
60°	0.0	1.0	0.0	0.0	6.8	16.1	24.4	29.3	31.8
62.5°	0.0	0.0	0.0	0.0	0.0	8.3	19.1	22.0	28.3
65°	0.0	1.5	1.5	0.0	4.4	5.9	17.6	22.5	13.2
67.5°	0.0	0.0	0.0	0.0	1.0	1.5	6.8	8.3	10.3
70°	0.0	1.5	1.0	2.4	2.4	2.4	9.3	9.3	11.7
72.5°	0.0	1.0	0.0	1.5	0.0	0.0	4.4	1.5	3.4
75°	0.0	1.0	0.0	1.0	1.5	1.0	5.9	4.9	1.5
77.5°	3.4	4.9	1.0	0.0	1.0	1.5	4.9	6.8	0.0
80°	6.8	1.5	2.4	1.5	2.4	3.4	6.8	1.5	0.0
82.5°	1.5	1.0	0.0	0.0	0.0	0.0	2.4	4.4	0.0
85°	3.4	2.4	2.4	0.0	1.0	0.0	2.4	1.5	1.5
87.5°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)