

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: P295394

Luminaire Tested: **TCRL15M(7030)-VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-14)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRL15M(7030)-VISOR
Description: TRACER LARGE, VISOR NEMA 4x4
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1519.7 lumens
Efficiency: N/A
Efficacy: 126.6 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

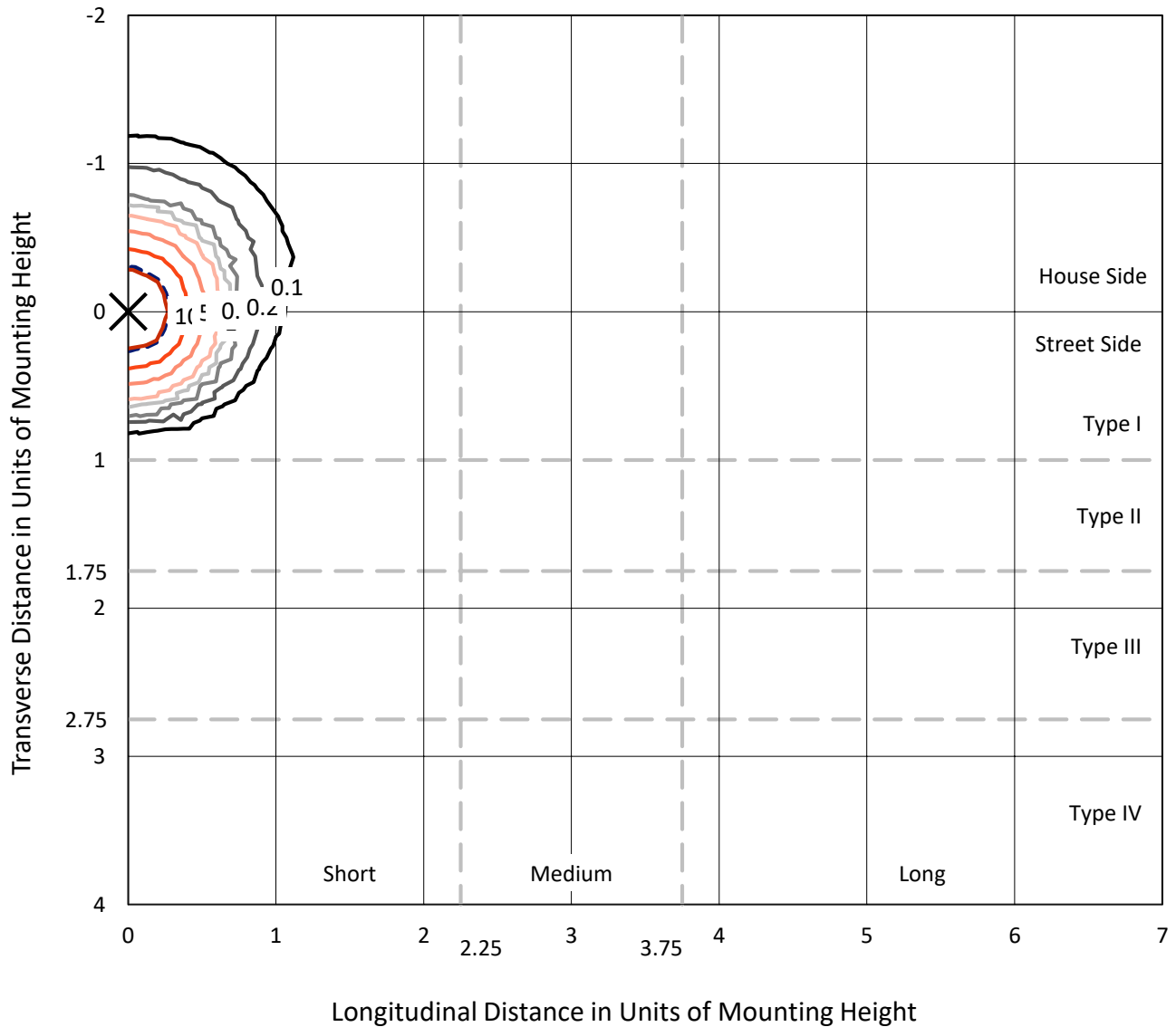


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Iso-Footcandle Lines of Horizontal Illumination

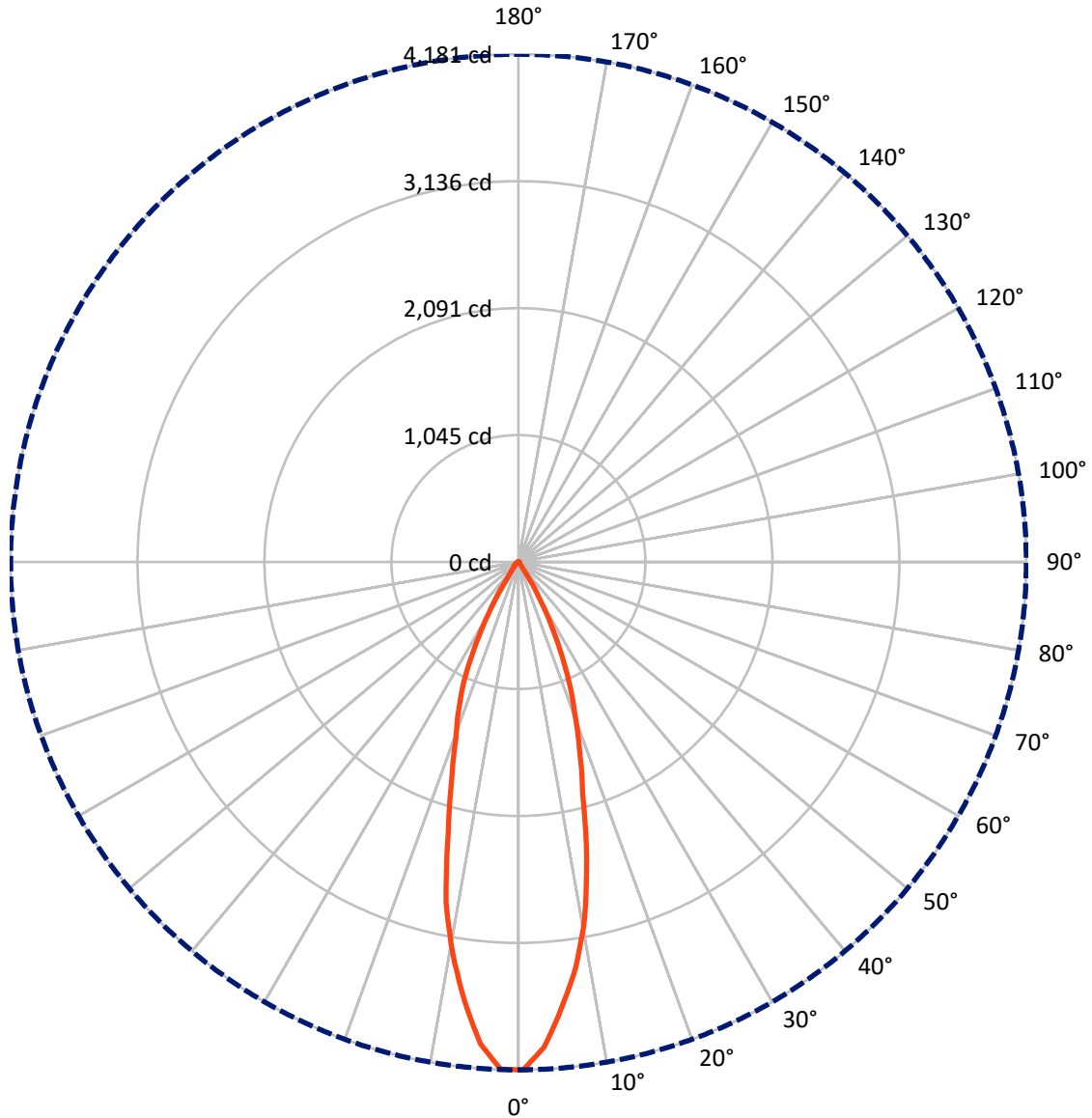
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 41.8 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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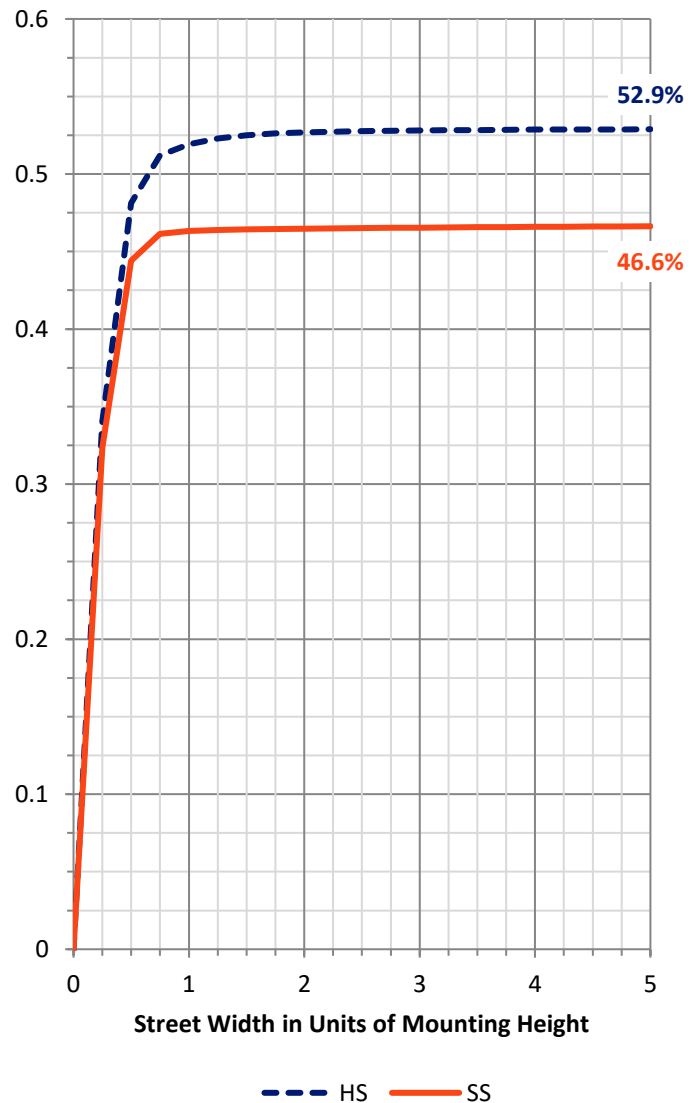
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	815.4	0.0	815.4
	% Fixture	53.7	0.0	53.7
Street Side	Lumens	704.4	0.0	704.4
	% Fixture	46.3	0.0	46.3
Total	Lumens	1519.7	0.0	1519.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	22.6
10°-20°	599.7	39.5
20°-30°	420.0	27.6
30°-40°	102.1	6.7
40°-50°	26.0	1.7
50°-60°	14.7	1.0
60°-70°	6.2	0.4
70°-80°	5.4	0.4
80°-90°	2.5	0.2
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°	1519.7	100.0
0°-180°	1519.7	100.0



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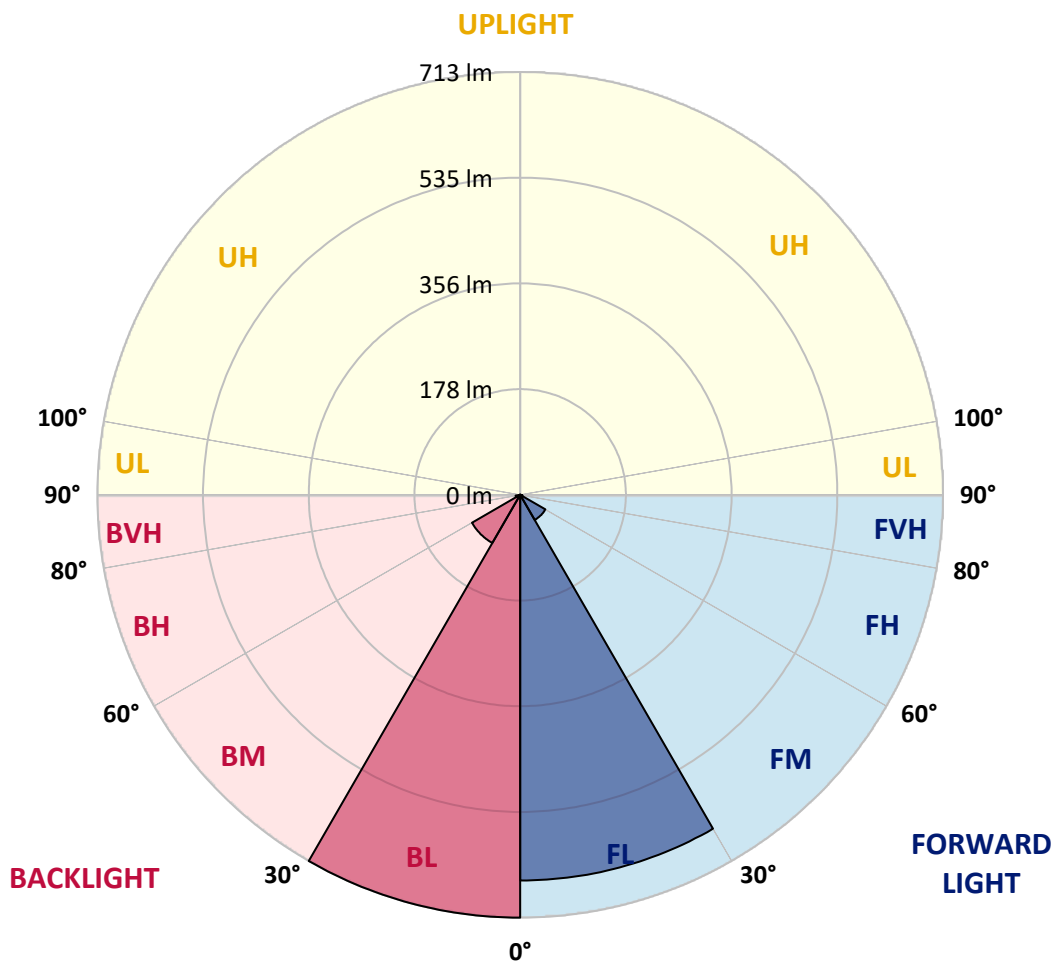
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.0	42.8			
FM (30°-60°)	49.0	3.2			
FH (60°-80°)	3.9	0.3			G0/660
FVH (80°-90°)	1.4	0.1			G0/10
BL (0°-30°)	712.7	46.9	B2/1000		
BM (30°-60°)	93.9	6.2	B0/220		
BH (60°-80°)	7.7	0.5	B0/110		G0/110
BVH (80°-90°)	1.1	0.1			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°	4181.3	4181.3	4181.3	4181.3	4181.3	4181.3	4181.3	4181.3	4181.3
2.5°	4001.7	4045.0	4043.6	4044.1	4091.7	4067.4	4176.0	4140.8	4178.4
5°	3692.6	3786.9	3831.6	3786.9	3853.1	3865.5	3893.1	3939.8	3977.4
7.5°	3377.2	3435.8	3422.0	3453.0	3485.8	3518.7	3578.2	3586.3	3640.2
10°	2989.5	3027.1	3063.8	3000.0	3070.5	3111.4	3191.4	3200.5	3271.0
12.5°	2494.1	2547.9	2542.2	2562.7	2637.0	2647.5	2720.4	2782.8	2861.8
15°	1980.6	2054.0	2090.2	2090.6	2144.0	2193.0	2252.1	2274.0	2309.3
17.5°	1630.5	1654.3	1665.7	1700.0	1740.1	1782.0	1832.5	1846.3	1880.6
20°	1321.4	1335.2	1395.2	1400.9	1444.2	1462.8	1504.7	1531.4	1539.0
22.5°	1061.3	1076.0	1120.3	1170.4	1193.2	1229.9	1265.1	1274.2	1313.3
25°	786.4	798.8	856.9	912.7	970.8	1003.2	1058.9	1080.8	1077.9
27.5°	533.0	516.8	559.2	645.0	705.5	736.9	761.2	776.0	801.2
30°	313.9	306.8	347.7	395.8	465.9	488.2	506.8	533.0	541.1
32.5°	153.9	164.3	180.1	226.7	264.8	289.6	307.2	333.4	342.0
35°	55.7	61.4	77.6	99.1	117.7	145.8	154.3	165.3	166.7
37.5°	22.9	28.6	46.7	57.2	69.5	80.0	90.0	92.4	98.1
40°	21.4	27.6	34.3	50.0	61.4	77.6	80.0	80.0	78.6
42.5°	3.3	11.4	19.5	31.9	44.3	47.6	59.1	58.1	59.1
45°	6.7	7.1	16.2	23.8	36.7	44.8	50.5	50.5	50.5
47.5°	4.8	3.3	9.1	11.4	22.9	37.6	44.8	41.0	42.4
50°	8.1	5.7	14.8	18.6	26.2	39.1	39.1	38.6	36.2
52.5°	0.0	6.7	5.7	12.4	18.6	28.6	33.3	37.6	31.0
55°	6.7	1.0	5.7	4.3	15.7	20.5	29.5	23.8	27.6
57.5°	1.4	0.0	1.4	5.7	11.4	21.4	21.9	22.9	26.2
60°	1.4	4.3	1.4	7.1	11.4	20.5	23.8	22.9	22.9
62.5°	1.4	1.0	3.3	4.3	6.7	12.4	17.1	15.7	18.1
65°	0.0	0.0	1.0	0.0	1.4	4.8	10.0	7.1	12.9
67.5°	4.8	1.0	4.8	2.4	1.4	5.7	8.1	7.1	6.7
70°	0.0	4.8	0.0	4.8	1.4	2.4	6.7	4.3	8.1
72.5°	4.8	6.7	9.1	10.0	4.8	8.1	10.0	8.1	8.1
75°	3.3	5.7	5.7	9.1	6.7	4.8	7.1	5.7	8.1
77.5°	0.0	1.4	1.0	1.4	2.4	0.0	0.0	1.0	0.0
80°	6.7	6.7	10.0	8.1	5.7	5.7	6.7	5.7	6.7
82.5°	3.3	6.7	3.3	4.3	2.4	1.0	3.3	2.4	6.7
85°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.4	3.3
87.5°	0.0	1.4	2.4	2.4	3.3	1.0	1.0	2.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)