

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: P295411

Luminaire Tested: **TCRL26W(7040-7050)-VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295411
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: TCRL26W(7040-7050)-VISOR
Description: TRACER LARGE, VISOR NEMA 5x5
Light Source: (16) 4000K&5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2854.7 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G0

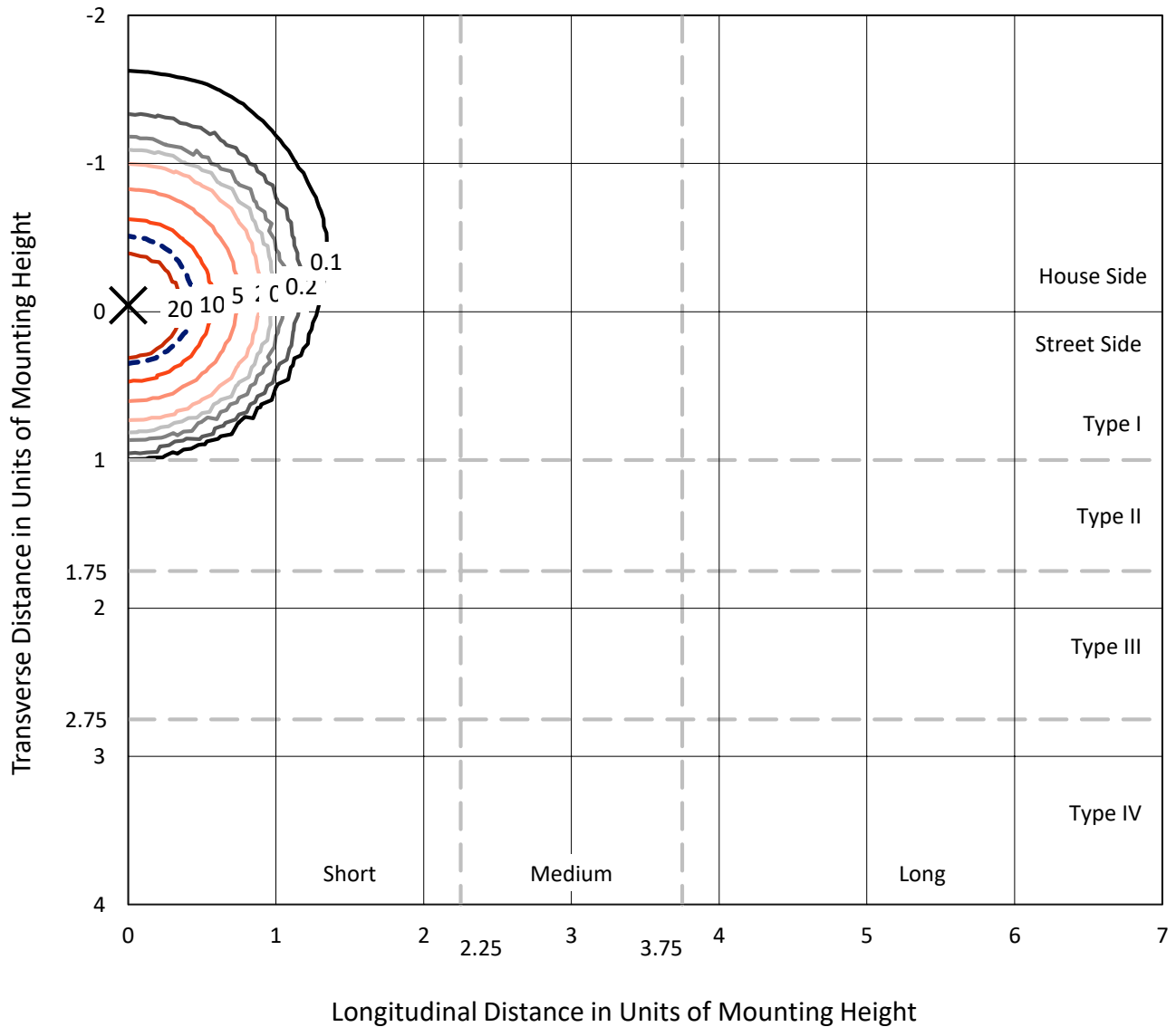
Input Watts (W): 25.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

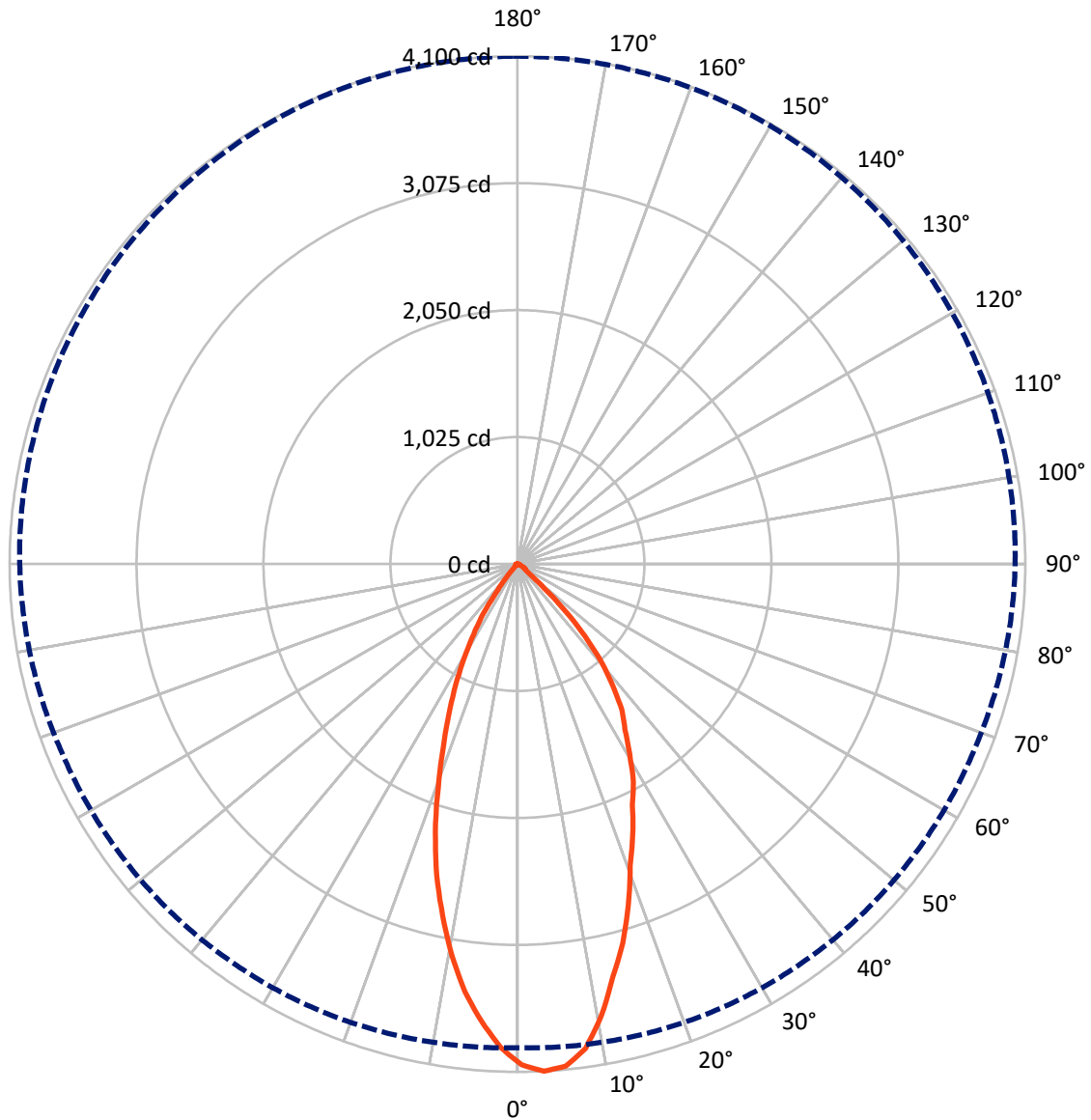
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 40.4 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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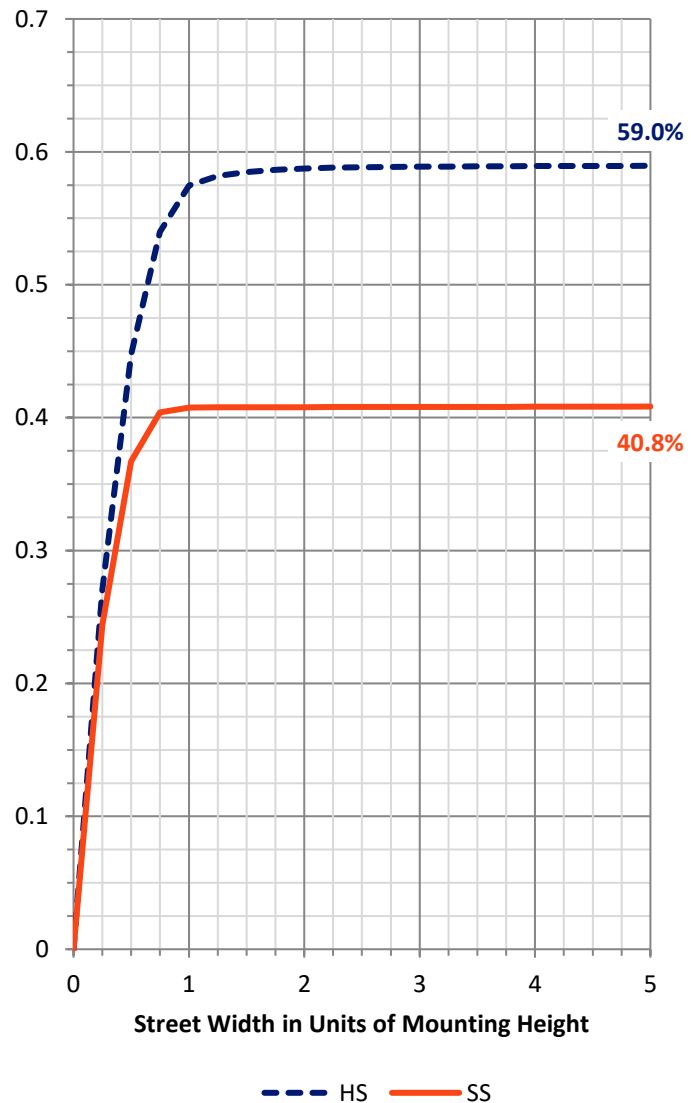
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1697.6	0.0	1697.6
	% Fixture	59.5	0.0	59.5
Street Side	Lumens	1157.1	0.0	1157.1
	% Fixture	40.5	0.0	40.5
Total	Lumens	2854.7	0.0	2854.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.7	12.5
10°-20°	791.4	27.7
20°-30°	831.1	29.1
30°-40°	617.9	21.6
40°-50°	207.1	7.3
50°-60°	32.6	1.1
60°-70°	12.1	0.4
70°-80°	4.7	0.2
80°-90°	2.2	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°	2854.7	100.0
0°-180°	2854.7	100.0



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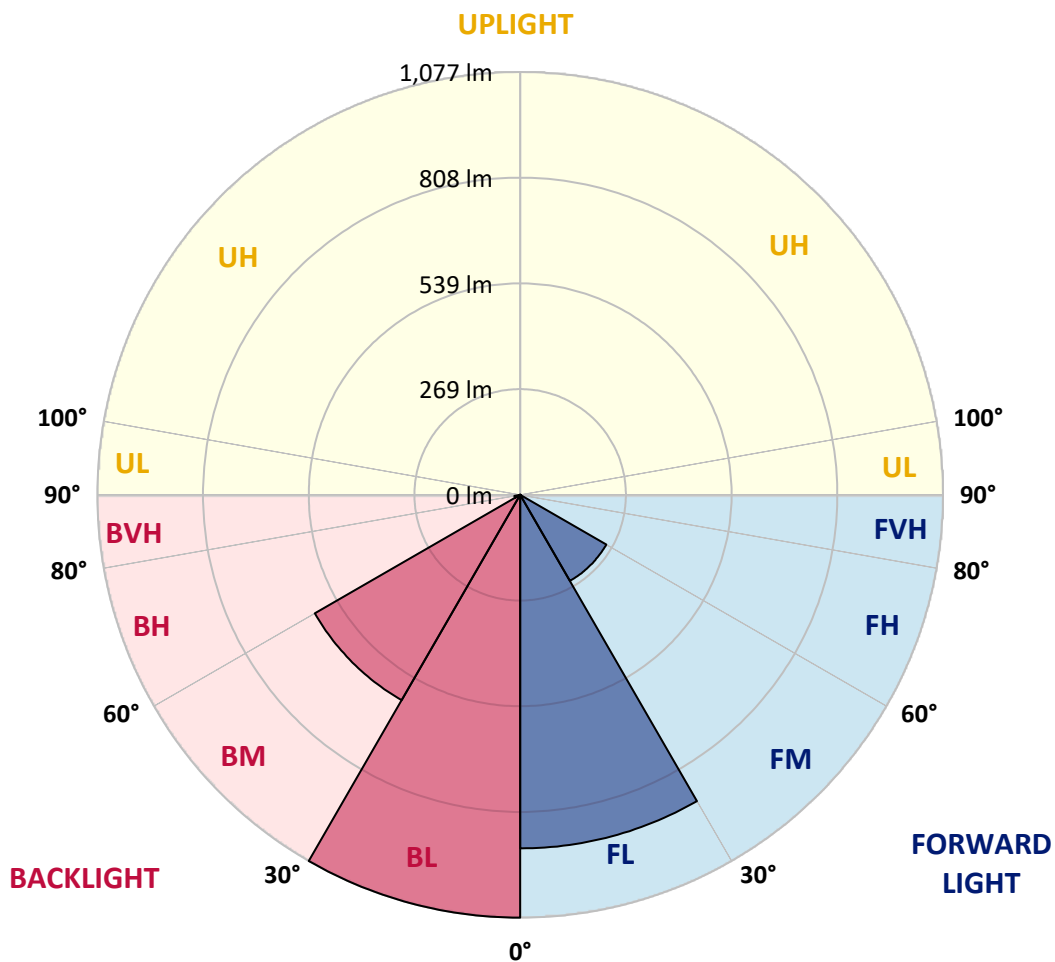
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	900.9	31.6			
FM	(30°-60°)	253.4	8.9			
FH	(60°-80°)	1.9	0.1			G0/660
FVH	(80°-90°)	0.9	0.0			G0/10
BL	(0°-30°)	1077.3	37.7	B3/2500		
BM	(30°-60°)	604.1	21.2	B1/1000		
BH	(60°-80°)	14.9	0.5	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-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°	4044.1	4044.1	4044.1	4044.1	4044.1	4044.1	4044.1	4044.1	4044.1
2.5°	3904.9	3941.5	3966.3	3980.9	4018.5	4045.0	4068.8	4090.8	4100.0
5°	3703.4	3722.7	3758.4	3819.7	3913.1	3947.0	4023.0	4030.4	4071.6
7.5°	3477.2	3474.5	3475.4	3579.8	3680.5	3731.8	3849.9	3924.1	3948.9
10°	3204.3	3198.8	3233.6	3286.7	3371.9	3464.4	3584.4	3692.4	3713.5
12.5°	2902.1	2915.8	2932.3	3021.2	3125.6	3189.7	3299.6	3389.3	3420.4
15°	2599.9	2612.7	2652.1	2740.0	2847.2	2904.9	3042.2	3141.1	3178.7
17.5°	2266.6	2298.6	2360.9	2463.5	2564.2	2612.7	2765.7	2862.7	2898.4
20°	1917.6	1963.4	2062.3	2232.7	2347.1	2399.3	2468.0	2571.5	2599.9
22.5°	1600.8	1603.5	1773.0	2001.0	2103.6	2182.3	2263.8	2336.2	2382.9
25°	1336.1	1378.3	1495.5	1719.8	1927.7	1996.4	2068.8	2174.1	2156.7
27.5°	1097.1	1155.7	1294.0	1468.0	1724.4	1803.2	1867.3	1955.2	1993.7
30°	870.9	934.1	1061.4	1261.0	1480.8	1617.3	1671.3	1767.5	1785.8
32.5°	666.7	691.4	837.9	1042.2	1265.6	1424.0	1520.2	1588.0	1594.4
35°	484.4	507.3	635.6	868.2	1035.7	1240.0	1339.8	1405.7	1456.1
37.5°	261.0	295.8	454.2	635.6	850.8	1056.8	1163.0	1235.4	1254.6
40°	138.3	163.9	243.6	424.0	618.2	831.5	965.2	1044.0	1053.1
42.5°	50.4	53.1	107.1	228.0	359.9	561.4	723.5	800.4	798.6
45°	24.7	24.7	61.4	108.1	190.5	320.5	460.6	511.0	556.8
47.5°	2.7	2.7	12.8	48.5	91.6	135.5	212.5	262.8	292.1
50°	0.0	0.0	0.0	19.2	50.4	83.3	108.1	118.1	129.1
52.5°	0.0	0.0	0.0	12.8	42.1	58.6	78.8	92.5	94.3
55°	0.0	0.0	1.8	8.2	22.0	59.5	67.8	85.2	72.3
57.5°	0.0	2.7	0.0	6.4	26.6	42.1	58.6	75.1	75.1
60°	0.0	1.8	0.0	0.0	12.8	30.2	45.8	54.9	59.5
62.5°	0.0	0.0	0.0	0.0	0.0	15.6	35.7	41.2	53.1
65°	0.0	2.7	2.7	0.0	8.2	11.0	33.0	42.1	24.7
67.5°	0.0	0.0	0.0	0.0	1.8	2.7	12.8	15.6	19.2
70°	0.0	2.7	1.8	4.6	4.6	4.6	17.4	17.4	22.0
72.5°	0.0	1.8	0.0	2.7	0.0	0.0	8.2	2.7	6.4
75°	0.0	1.8	0.0	1.8	2.7	1.8	11.0	9.2	2.7
77.5°	6.4	9.2	1.8	0.0	1.8	2.7	9.2	12.8	0.0
80°	12.8	2.7	4.6	2.7	4.6	6.4	12.8	2.7	0.0
82.5°	2.7	1.8	0.0	0.0	0.0	0.0	4.6	8.2	0.0
85°	6.4	4.6	4.6	0.0	1.8	0.0	4.6	2.7	2.7
87.5°	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)