

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: P295409

Luminaire Tested: **TCRL26S(7040-7050)-VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-222-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRL26S(7040-7050)-VISOR
Description: TRACER LARGE, VISOR NEMA 3x3
Light Source: (16) 4000K&5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2623.6 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G0

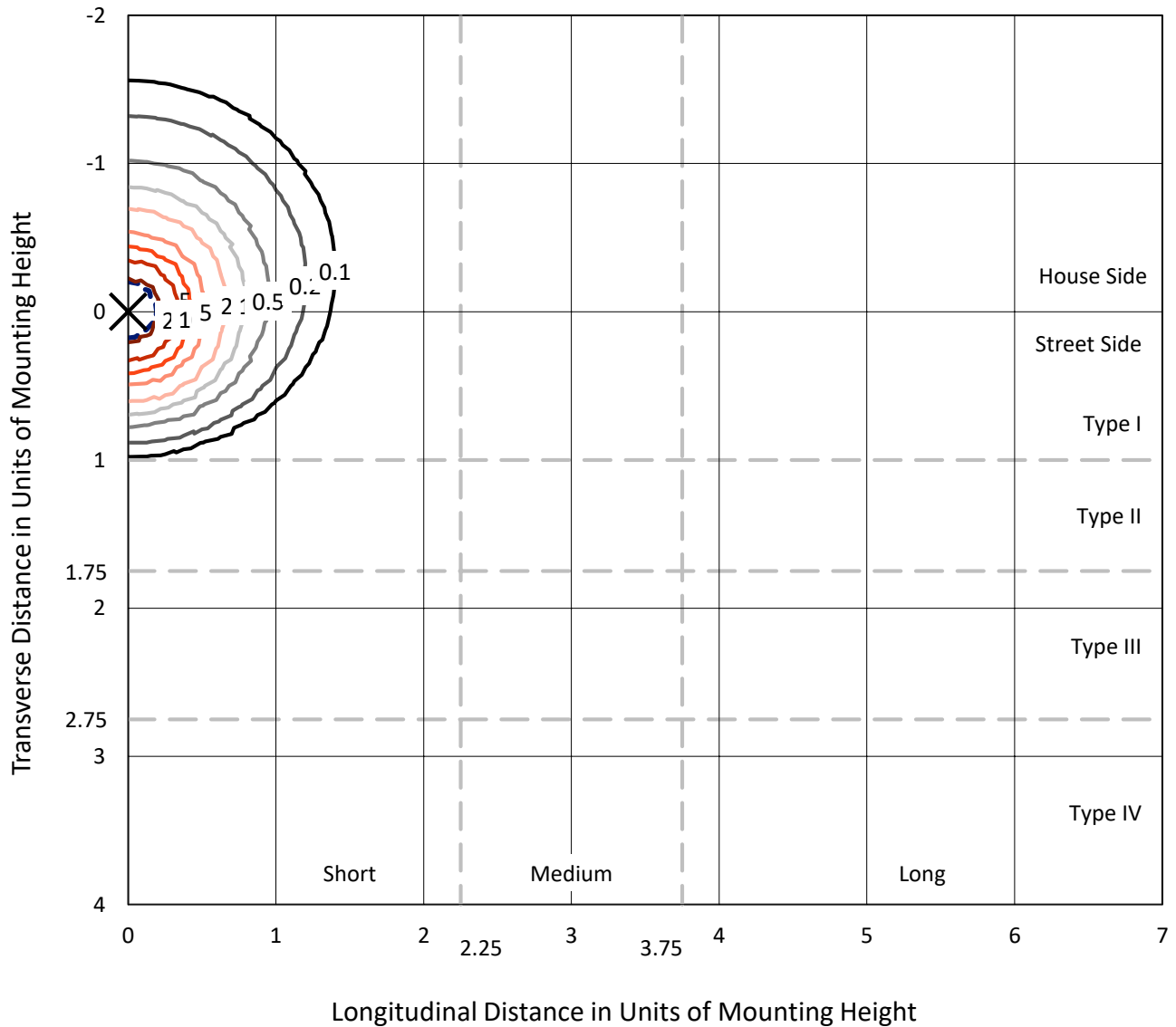
Input Watts (W): 25.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

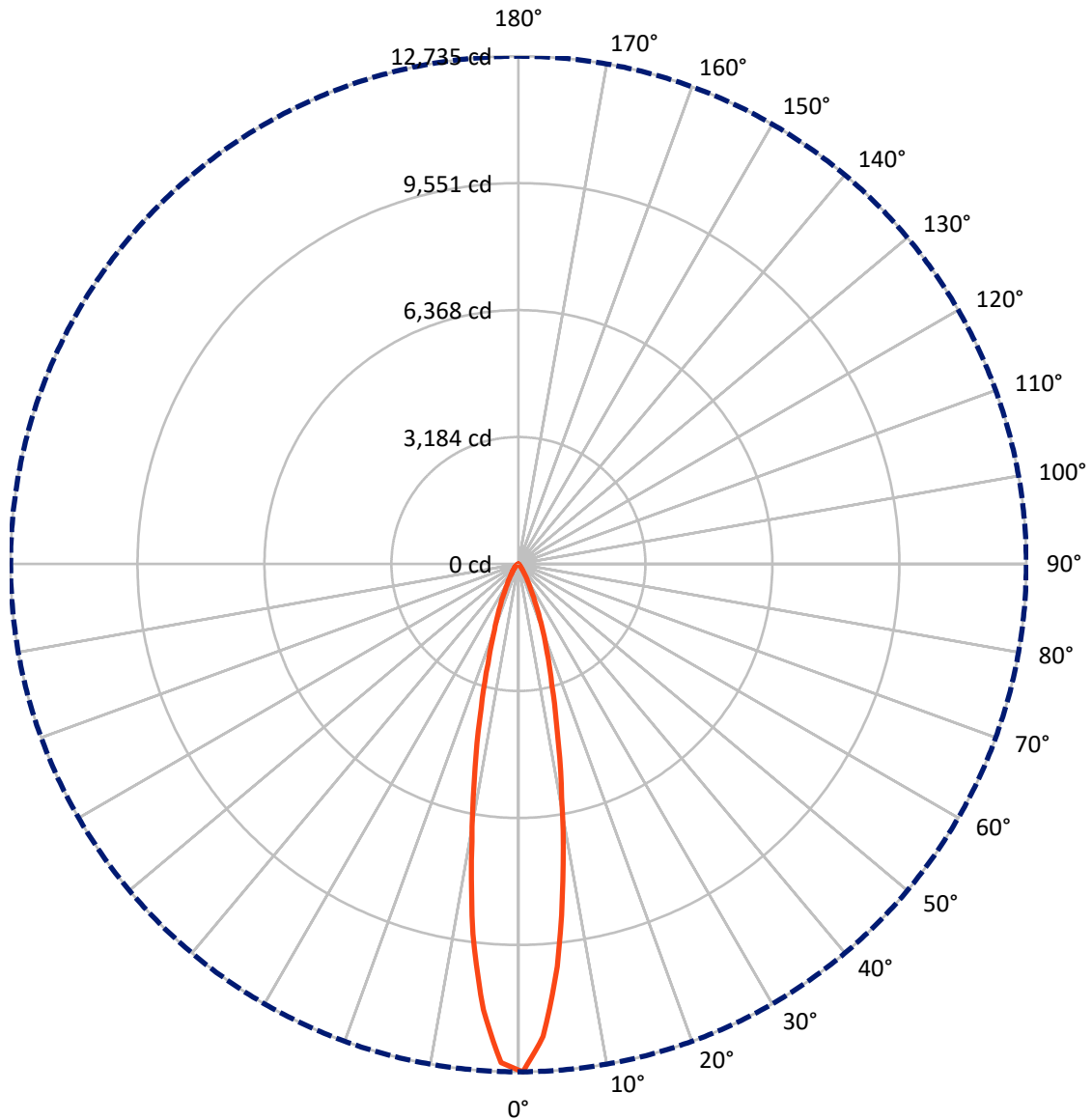
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 127.4 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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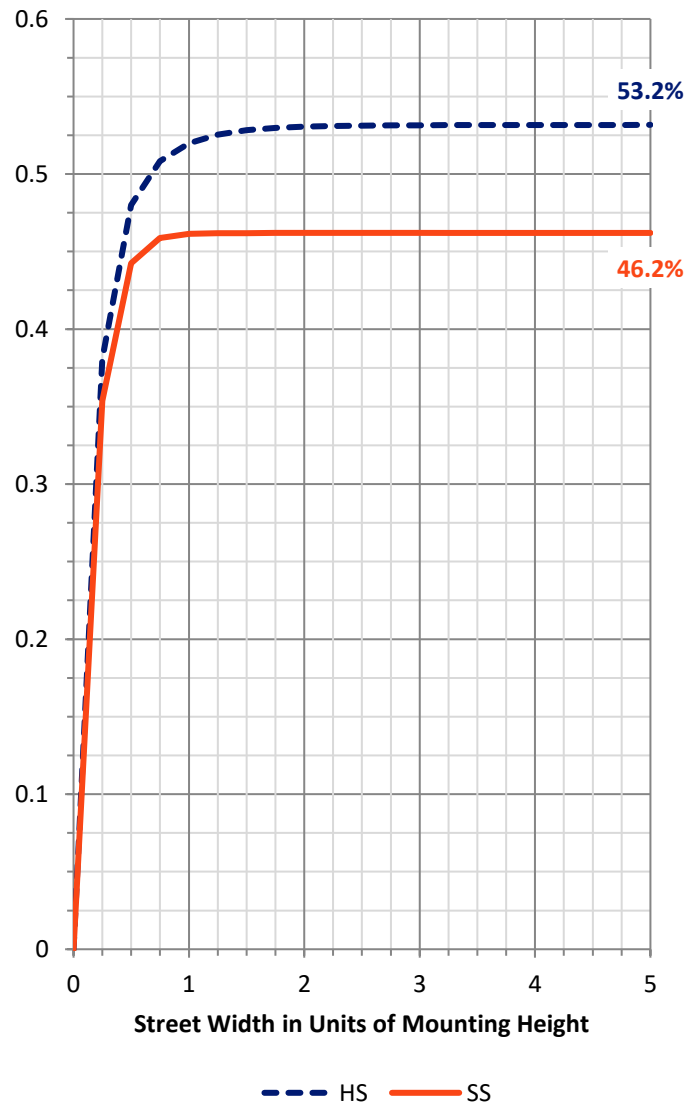
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1415.0	0.0	1415.0
	% Fixture	53.9	0.0	53.9
Street Side	Lumens	1208.6	0.0	1208.6
	% Fixture	46.1	0.0	46.1
Total	Lumens	2623.6	0.0	2623.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.2	34.2
10°-20°	983.5	37.5
20°-30°	443.9	16.9
30°-40°	172.8	6.6
40°-50°	76.6	2.9
50°-60°	36.5	1.4
60°-70°	11.6	0.4
70°-80°	1.8	0.1
80°-90°	0.7	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°	2623.6	100.0
0°-180°	2623.6	100.0



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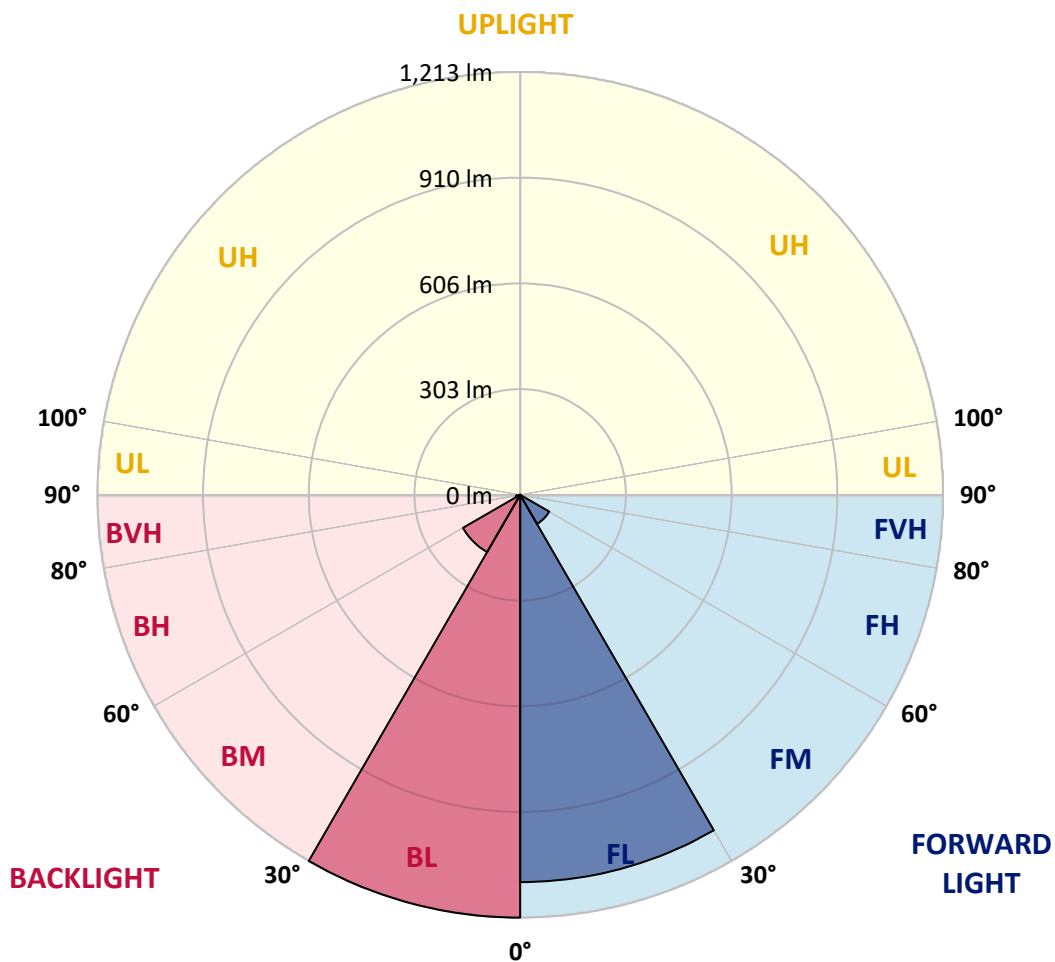
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1110.8	42.3			
FM	(30°-60°)	96.2	3.7			
FH	(60°-80°)	1.4	0.1			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	1212.8	46.2	B3/2500		
BM	(30°-60°)	189.7	7.2	B0/220		
BH	(60°-80°)	11.9	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: 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°	12735.3	12735.3	12735.3	12735.3	12735.3	12735.3	12735.3	12735.3	12735.3
2.5°	11864.4	12009.1	12098.2	12178.5	12216.5	12381.5	12454.7	12468.8	12512.1
5°	10142.9	10402.3	10508.2	10540.0	10821.4	11029.7	11206.2	11311.2	11213.2
7.5°	8023.4	8209.6	8492.0	8712.6	8830.8	9017.0	9249.0	9373.5	9352.3
10°	5954.3	6107.8	6237.5	6360.2	6680.5	6771.3	7021.9	7193.1	7059.0
12.5°	4321.0	4425.1	4497.5	4658.9	4855.7	4869.8	5065.7	5192.8	5211.3
15°	3135.1	3278.9	3232.1	3302.7	3398.9	3439.5	3592.1	3674.2	3717.4
17.5°	2332.1	2352.4	2378.0	2370.9	2406.2	2456.5	2565.1	2566.8	2610.9
20°	1672.1	1726.8	1710.0	1757.7	1777.1	1788.6	1876.8	1857.4	1853.0
22.5°	1144.4	1157.7	1236.2	1283.0	1299.7	1317.4	1359.7	1335.0	1358.9
25°	773.8	797.7	838.3	903.6	951.2	970.6	975.0	991.8	1025.3
27.5°	538.2	543.5	577.1	647.7	695.3	716.5	726.2	733.3	735.0
30°	361.8	369.7	404.1	444.7	512.7	533.8	549.7	560.3	547.1
32.5°	225.0	248.8	281.5	321.2	370.6	406.8	420.9	418.2	429.7
35°	164.1	165.0	203.8	243.5	275.3	317.7	321.2	323.8	322.9
37.5°	97.9	105.9	140.3	175.6	212.7	248.8	259.4	261.2	261.2
40°	59.1	69.7	92.6	131.5	168.5	195.0	210.9	217.1	217.9
42.5°	37.9	44.1	69.7	100.6	135.0	158.8	174.7	179.1	178.2
45°	22.1	24.7	45.0	75.0	109.4	129.7	143.8	149.1	149.1
47.5°	8.8	12.4	28.2	55.6	88.2	110.3	123.5	127.1	128.8
50°	3.5	4.4	17.6	42.4	70.6	94.4	103.2	106.8	107.6
52.5°	2.6	2.6	7.9	29.1	56.5	78.5	88.2	92.6	91.8
55°	2.6	2.6	4.4	20.3	41.5	62.6	74.1	77.6	75.9
57.5°	2.6	2.6	3.5	12.4	31.8	48.5	56.5	60.9	61.8
60°	1.8	1.8	2.6	7.1	21.2	36.2	45.0	47.6	49.4
62.5°	0.9	1.8	1.8	3.5	14.1	25.6	32.6	35.3	35.3
65°	0.0	0.9	1.8	2.6	7.9	15.9	22.1	23.8	24.7
67.5°	0.0	0.0	0.9	1.8	3.5	9.7	12.4	14.1	15.0
70°	0.0	0.0	0.9	0.9	2.6	4.4	7.1	7.9	7.9
72.5°	0.0	0.0	0.0	0.9	1.8	2.6	3.5	4.4	4.4
75°	0.0	0.0	0.0	0.9	0.9	1.8	2.6	2.6	3.5
77.5°	0.0	0.0	0.0	0.0	0.9	1.8	2.6	2.6	2.6
80°	0.0	0.0	0.0	0.0	0.9	1.8	1.8	2.6	2.6
82.5°	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)