

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: P295397

Luminaire Tested: **TCRL15S(7040-7050)-VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295397
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: TCRL15S(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: 1448.2 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

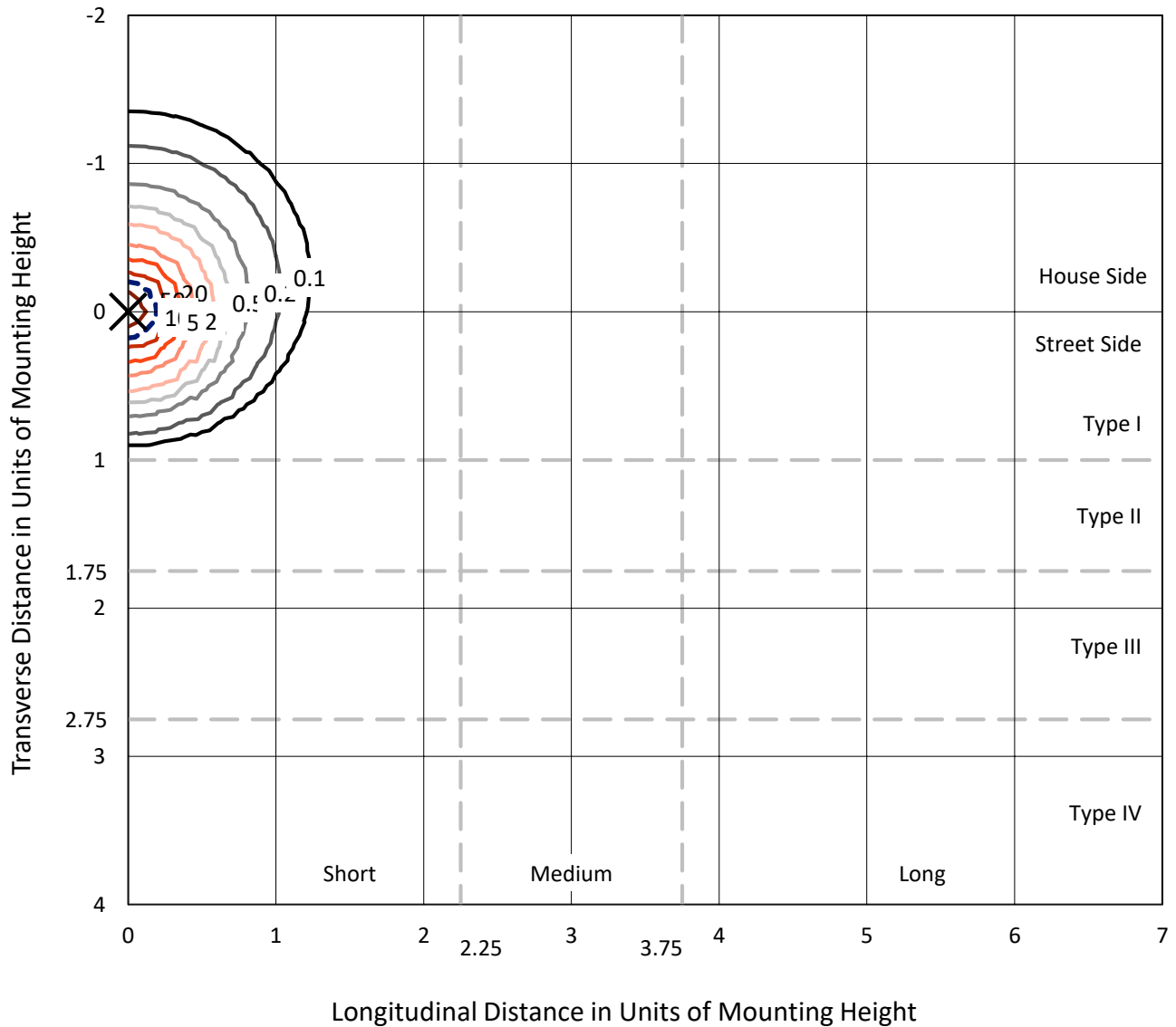
Input Watts (W): 12
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

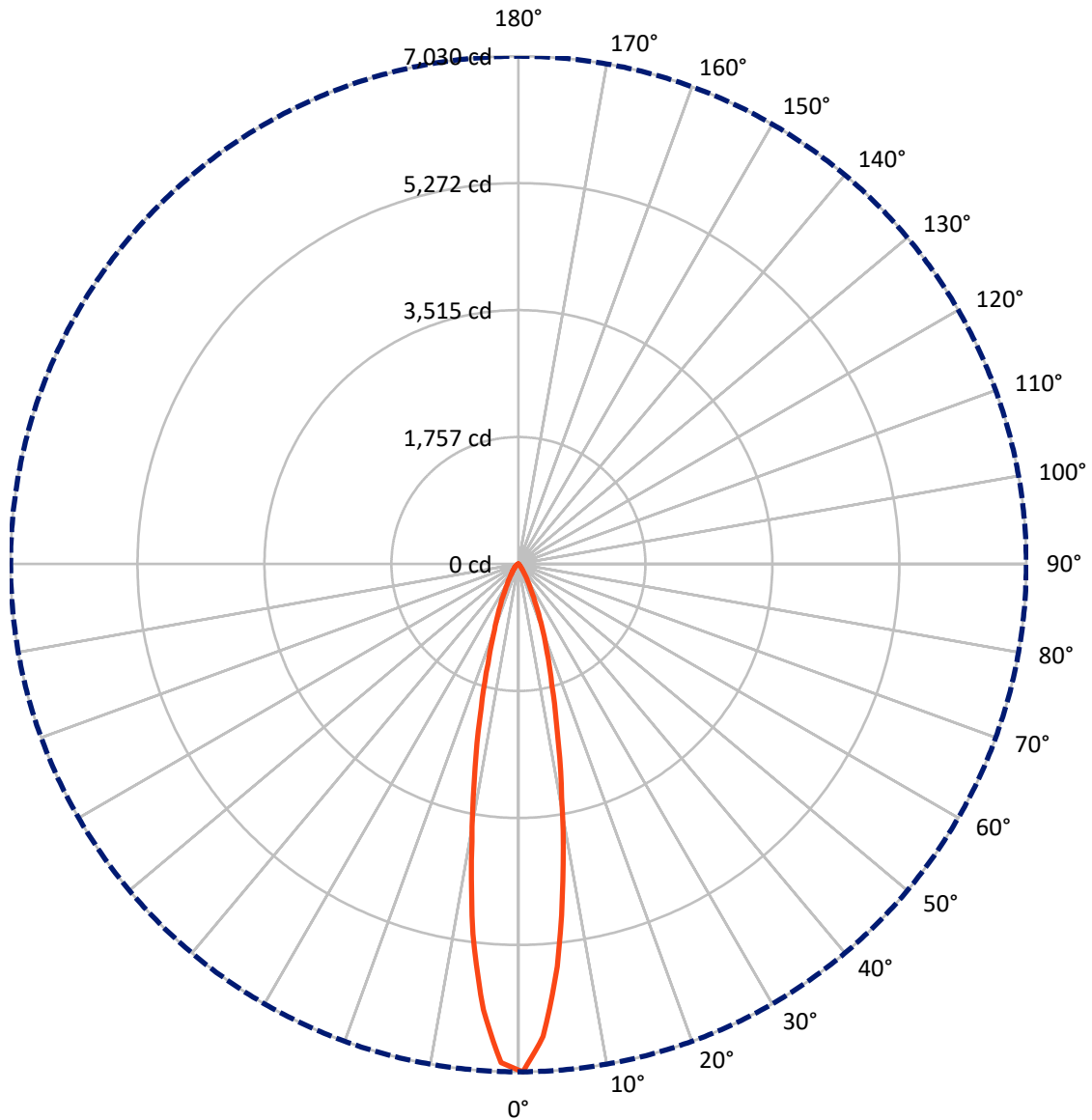
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 70.3 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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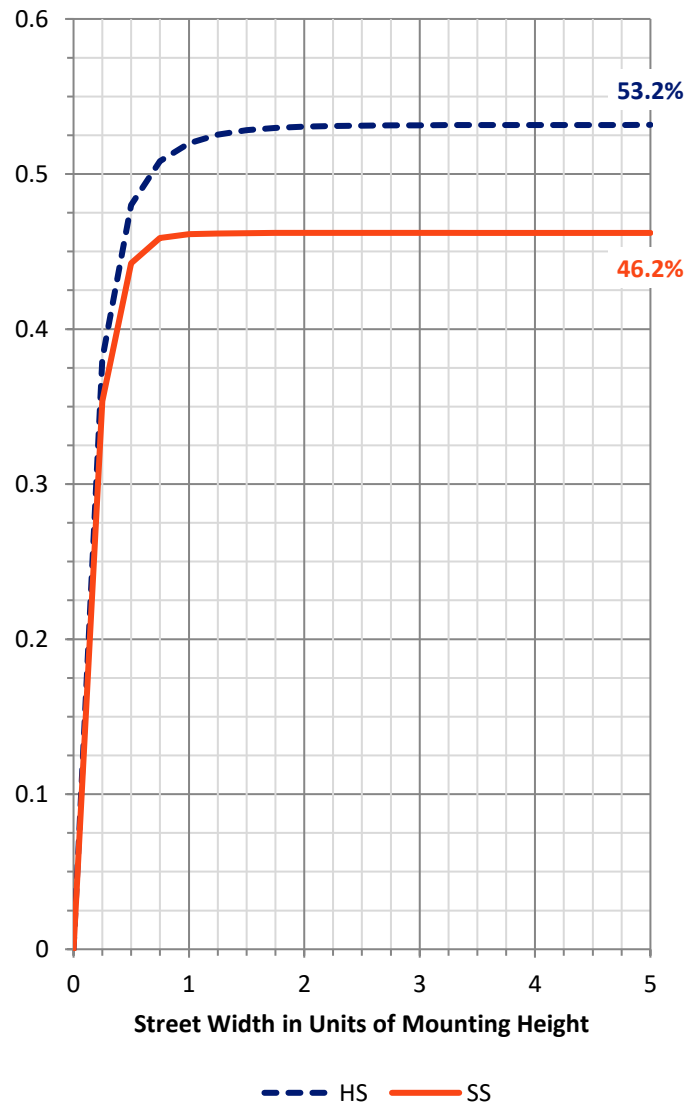
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	781.1	0.0	781.1
	% Fixture	53.9	0.0	53.9
Street Side	Lumens	667.1	0.0	667.1
	% Fixture	46.1	0.0	46.1
Total	Lumens	1448.2	0.0	1448.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.7	34.2
10°-20°	542.9	37.5
20°-30°	245.0	16.9
30°-40°	95.4	6.6
40°-50°	42.3	2.9
50°-60°	20.2	1.4
60°-70°	6.4	0.4
70°-80°	1.0	0.1
80°-90°	0.4	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°	1448.2	100.0
0°-180°	1448.2	100.0



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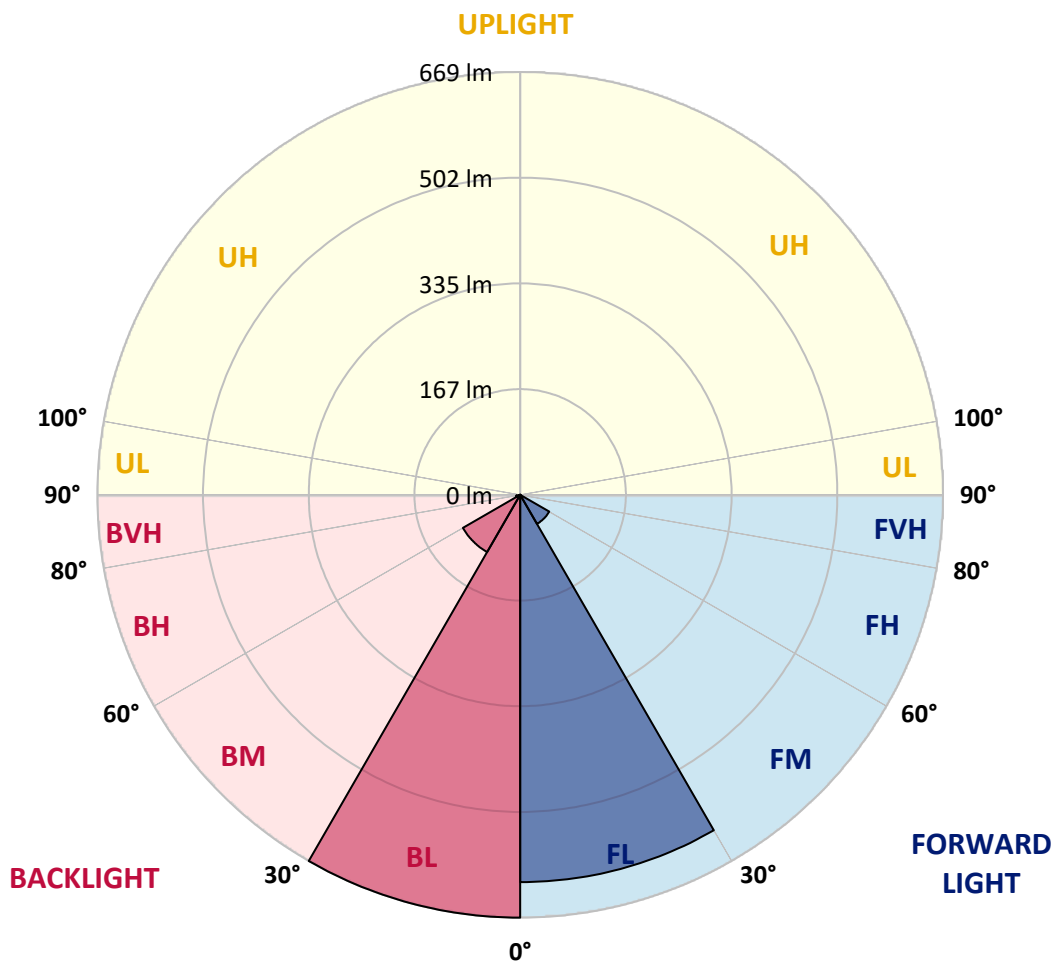
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.2	42.3			
FM (30°-60°)	53.1	3.7			
FH (60°-80°)	0.8	0.1			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	669.4	46.2	B2/1000		
BM (30°-60°)	104.7	7.2	B0/220		
BH (60°-80°)	6.6	0.5	B0/110		G0/110
BVH (80°-90°)	0.4	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°	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6
2.5°	6548.8	6628.7	6677.9	6722.2	6743.2	6834.2	6874.7	6882.5	6906.3
5°	5598.6	5741.8	5800.2	5817.8	5973.1	6088.1	6185.5	6243.5	6189.4
7.5°	4428.7	4531.5	4687.3	4809.1	4874.4	4977.1	5105.2	5173.9	5162.2
10°	3286.6	3371.3	3442.9	3510.6	3687.4	3737.6	3875.9	3970.4	3896.4
12.5°	2385.1	2442.5	2482.5	2571.6	2680.2	2688.0	2796.1	2866.3	2876.5
15°	1730.5	1809.9	1784.1	1823.0	1876.1	1898.5	1982.8	2028.1	2051.9
17.5°	1287.3	1298.5	1312.6	1308.7	1328.2	1355.9	1415.8	1416.8	1441.2
20°	923.0	953.2	943.9	970.2	980.9	987.2	1035.9	1025.2	1022.8
22.5°	631.7	639.0	682.4	708.2	717.4	727.2	750.5	736.9	750.1
25°	427.1	440.3	462.7	498.7	525.0	535.8	538.2	547.4	565.9
27.5°	297.1	300.0	318.5	357.5	383.8	395.5	400.8	404.7	405.7
30°	199.7	204.1	223.1	245.5	283.0	294.7	303.4	309.3	302.0
32.5°	124.2	137.3	155.4	177.3	204.6	224.5	232.3	230.9	237.2
35°	90.6	91.1	112.5	134.4	152.0	175.3	177.3	178.7	178.3
37.5°	54.1	58.4	77.4	96.9	117.4	137.3	143.2	144.2	144.2
40°	32.6	38.5	51.1	72.6	93.0	107.6	116.4	119.8	120.3
42.5°	20.9	24.4	38.5	55.5	74.5	87.7	96.4	98.9	98.4
45°	12.2	13.6	24.8	41.4	60.4	71.6	79.4	82.3	82.3
47.5°	4.9	6.8	15.6	30.7	48.7	60.9	68.2	70.1	71.1
50°	1.9	2.4	9.7	23.4	39.0	52.1	57.0	58.9	59.4
52.5°	1.5	1.5	4.4	16.1	31.2	43.3	48.7	51.1	50.7
55°	1.5	1.5	2.4	11.2	22.9	34.6	40.9	42.9	41.9
57.5°	1.5	1.5	1.9	6.8	17.5	26.8	31.2	33.6	34.1
60°	1.0	1.0	1.5	3.9	11.7	20.0	24.8	26.3	27.3
62.5°	0.5	1.0	1.0	1.9	7.8	14.1	18.0	19.5	19.5
65°	0.0	0.5	1.0	1.5	4.4	8.8	12.2	13.2	13.6
67.5°	0.0	0.0	0.5	1.0	1.9	5.4	6.8	7.8	8.3
70°	0.0	0.0	0.5	0.5	1.5	2.4	3.9	4.4	4.4
72.5°	0.0	0.0	0.0	0.5	1.0	1.5	1.9	2.4	2.4
75°	0.0	0.0	0.0	0.5	0.5	1.0	1.5	1.5	1.9
77.5°	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.5	1.0	1.0	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)