

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: P295435

Luminaire Tested: **TCRS8W(7040-7050)-VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-12)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRS8W(7040-7050)-VISOR
Description: TRACER SMALL, VISOR NEMA 5x5
Light Source: (6) 4000K&5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 817.8 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Circular (Dia: 0.17' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

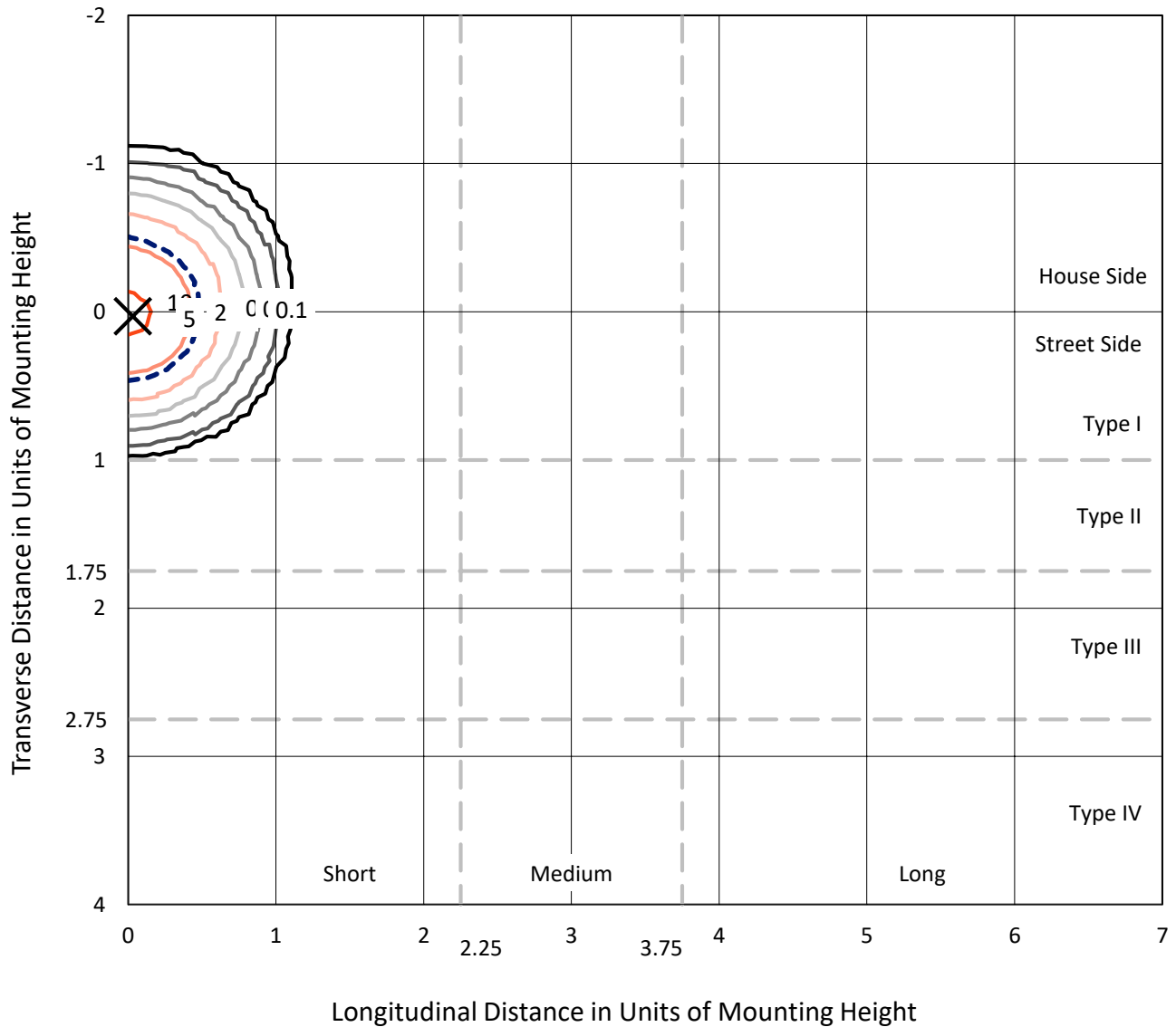
Input Watts (W): 8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

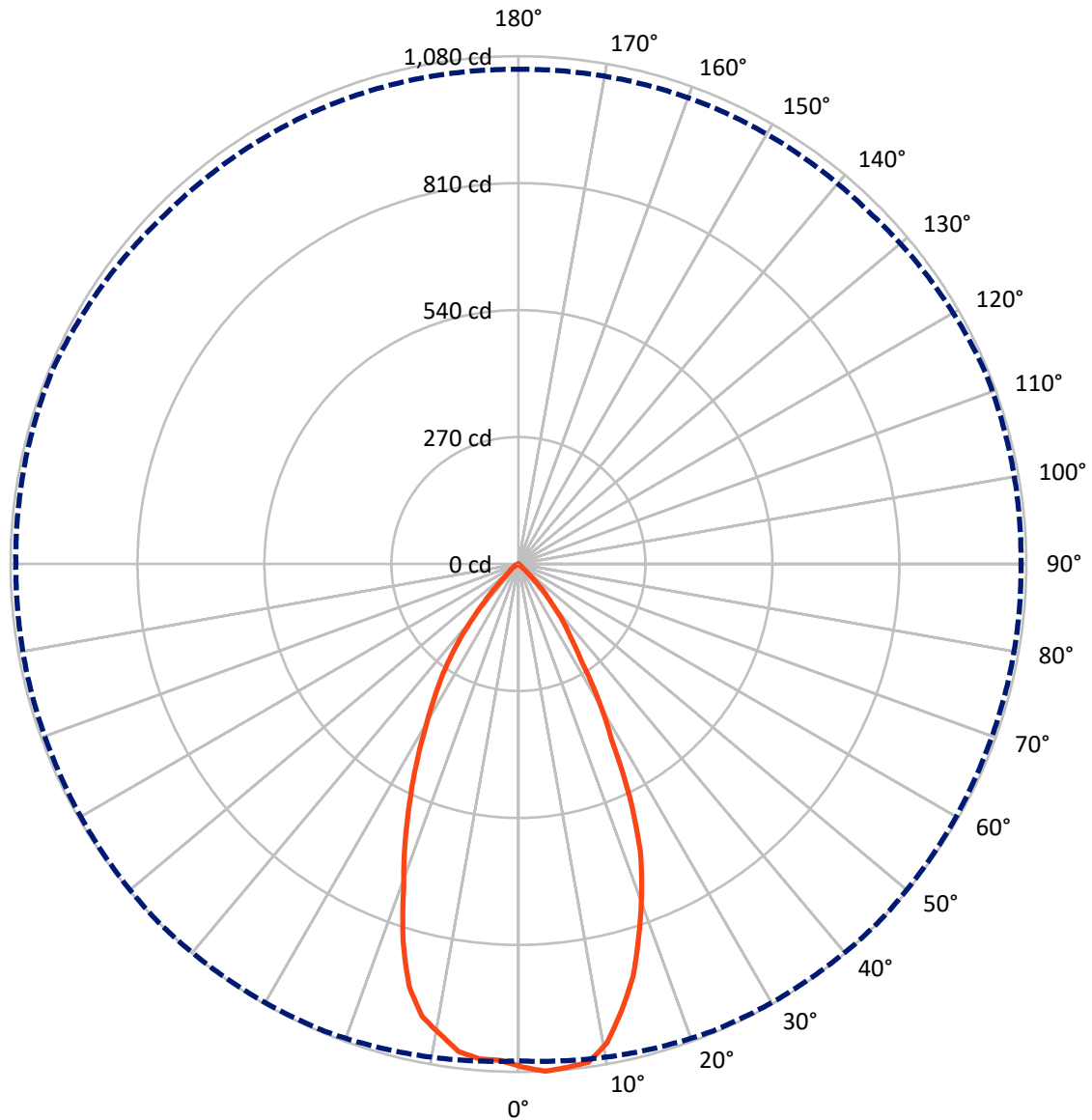
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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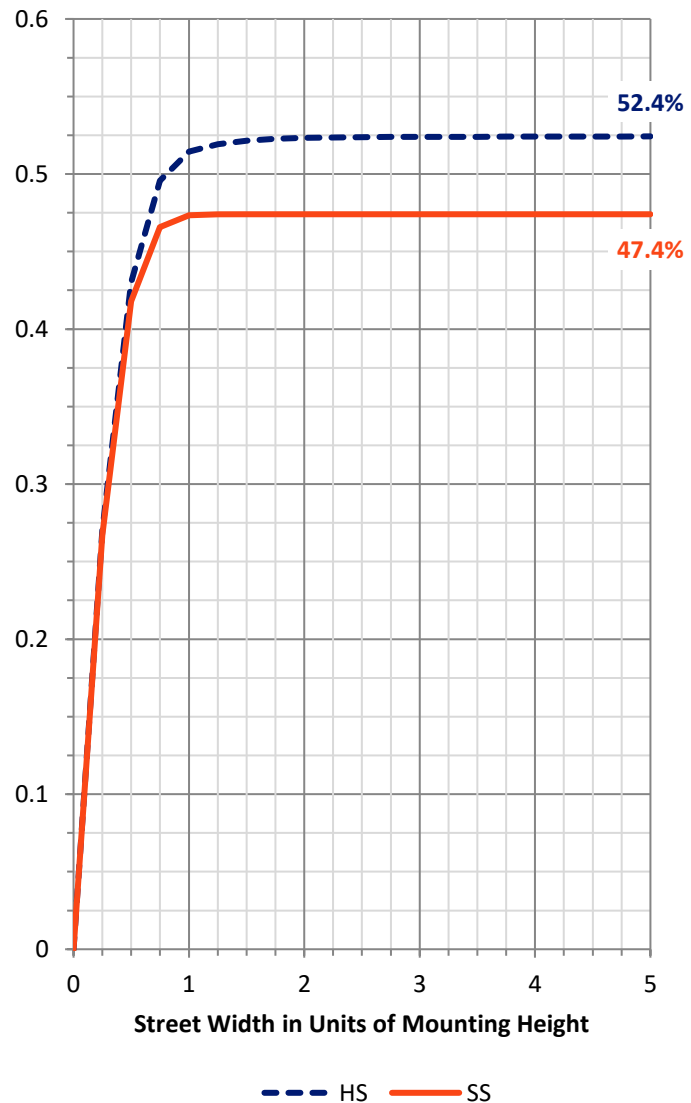
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.3	0.0	433.3
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	384.6	0.0	384.6
	% Fixture	47.0	0.0	47.0
Total	Lumens	817.8	0.0	817.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	12.3
10°-20°	253.3	31.0
20°-30°	252.5	30.9
30°-40°	152.3	18.6
40°-50°	46.0	5.6
50°-60°	9.4	1.1
60°-70°	2.9	0.3
70°-80°	0.5	0.1
80°-90°	0.2	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°	817.8	100.0
0°-180°	817.8	100.0



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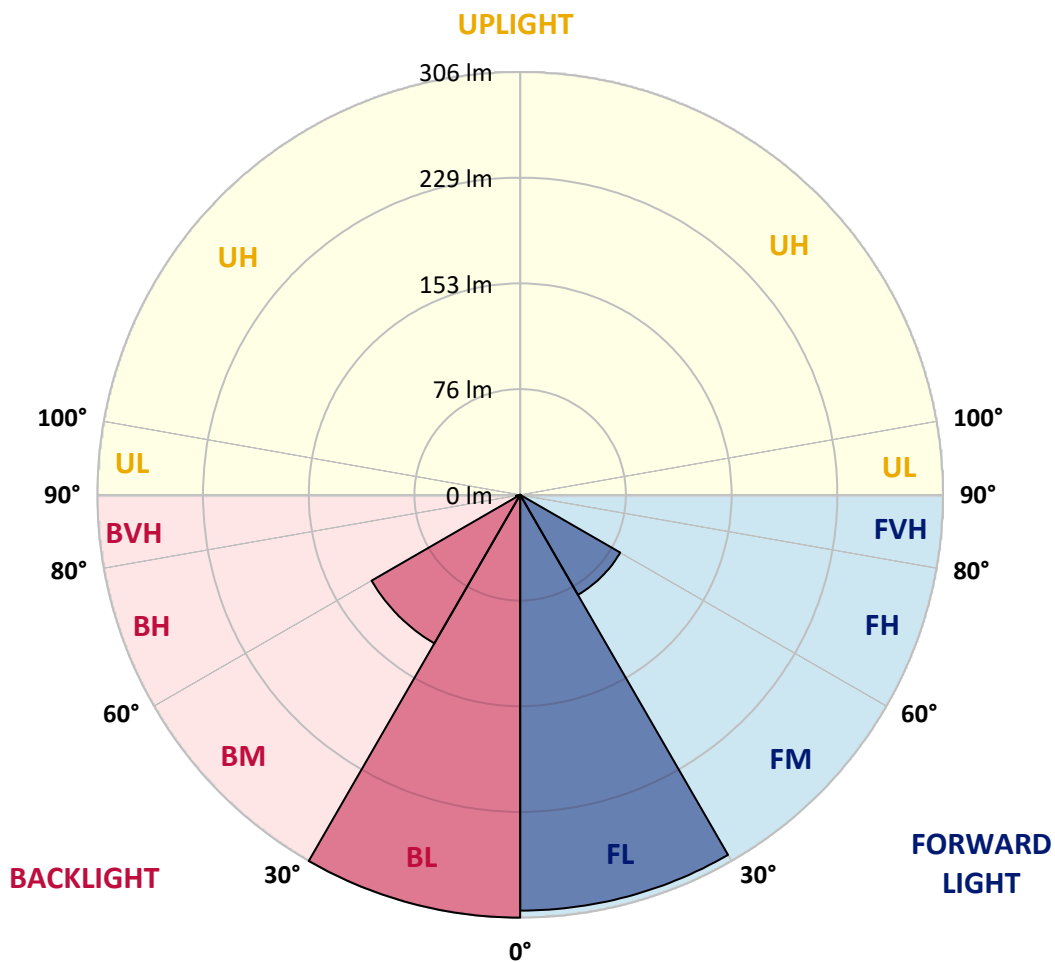
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.8	36.8			
FM	(30°-60°)	83.5	10.2			
FH	(60°-80°)	0.3	0.0			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	305.9	37.4	B1/500		
BM	(30°-60°)	124.1	15.2	B0/220		
BH	(60°-80°)	3.1	0.4	B0/110		G0/660
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4
2.5°	1056.0	1075.0	1079.5	1071.6	1068.3	1072.8	1056.0	1054.9	1051.5
5°	1073.9	1077.2	1075.0	1076.1	1062.7	1067.2	1054.9	1052.7	1050.4
7.5°	1064.9	1072.8	1069.4	1071.6	1061.6	1057.1	1043.7	1042.6	1038.1
10°	1041.5	1047.1	1034.8	1044.8	1048.2	1041.5	1012.4	1028.1	1018.0
12.5°	996.8	995.7	974.4	995.7	1005.7	997.9	983.4	977.8	971.1
15°	936.4	929.7	910.7	929.7	933.1	932.0	927.5	911.9	896.2
17.5°	840.3	835.9	829.2	837.0	830.3	839.2	838.1	826.9	828.0
20°	726.4	748.7	747.6	746.5	724.1	746.5	730.8	733.1	776.6
22.5°	597.8	628.0	663.8	654.8	639.2	658.2	643.7	647.0	691.7
25°	526.3	523.0	549.8	569.9	554.3	574.4	557.6	561.0	594.5
27.5°	435.8	428.0	421.3	473.8	468.2	495.0	478.3	473.8	510.7
30°	318.5	317.4	336.4	359.8	386.6	412.3	401.2	397.8	429.1
32.5°	242.5	259.3	245.8	269.3	315.1	346.4	338.6	330.8	362.1
35°	188.9	177.7	192.2	228.0	259.3	290.5	282.7	278.2	297.2
37.5°	108.4	125.2	150.9	171.0	212.3	230.2	223.5	221.3	228.0
40°	79.3	84.9	106.2	124.0	164.3	169.9	165.4	163.2	166.5
42.5°	33.5	43.6	73.8	84.9	110.6	117.3	107.3	106.2	112.9
45°	16.8	20.1	34.6	50.3	63.7	70.4	65.9	62.6	59.2
47.5°	5.6	7.8	13.4	24.6	31.3	40.2	38.0	36.9	35.8
50°	0.0	2.2	6.7	13.4	20.1	25.7	25.7	26.8	26.8
52.5°	0.0	0.0	3.4	7.8	15.6	20.1	21.2	22.3	22.3
55°	0.0	0.0	1.1	5.6	12.3	16.8	17.9	17.9	19.0
57.5°	0.0	0.0	0.0	4.5	8.9	13.4	14.5	14.5	14.5
60°	0.0	0.0	0.0	3.4	6.7	10.1	11.2	11.2	12.3
62.5°	0.0	0.0	0.0	1.1	4.5	6.7	7.8	7.8	8.9
65°	0.0	0.0	0.0	0.0	2.2	4.5	5.6	5.6	6.7
67.5°	0.0	0.0	0.0	0.0	1.1	2.2	3.4	3.4	3.4
70°	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)