

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: P395141

Luminaire Tested: **LAS100S-T5-Switch-7**

Issue Date: 5/3/2020

Test Information

Test Method: LM-79-08
Report Number: P395141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2004-740-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LAS100S-T5-Switch-7
Description: AREA SITE LARGE HOUSING, TYPE V, WATTAGE SWITCH ON POSTION 7
Light Source: (288) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17980 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Rectangular (W 0.88' x L: 1.29' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

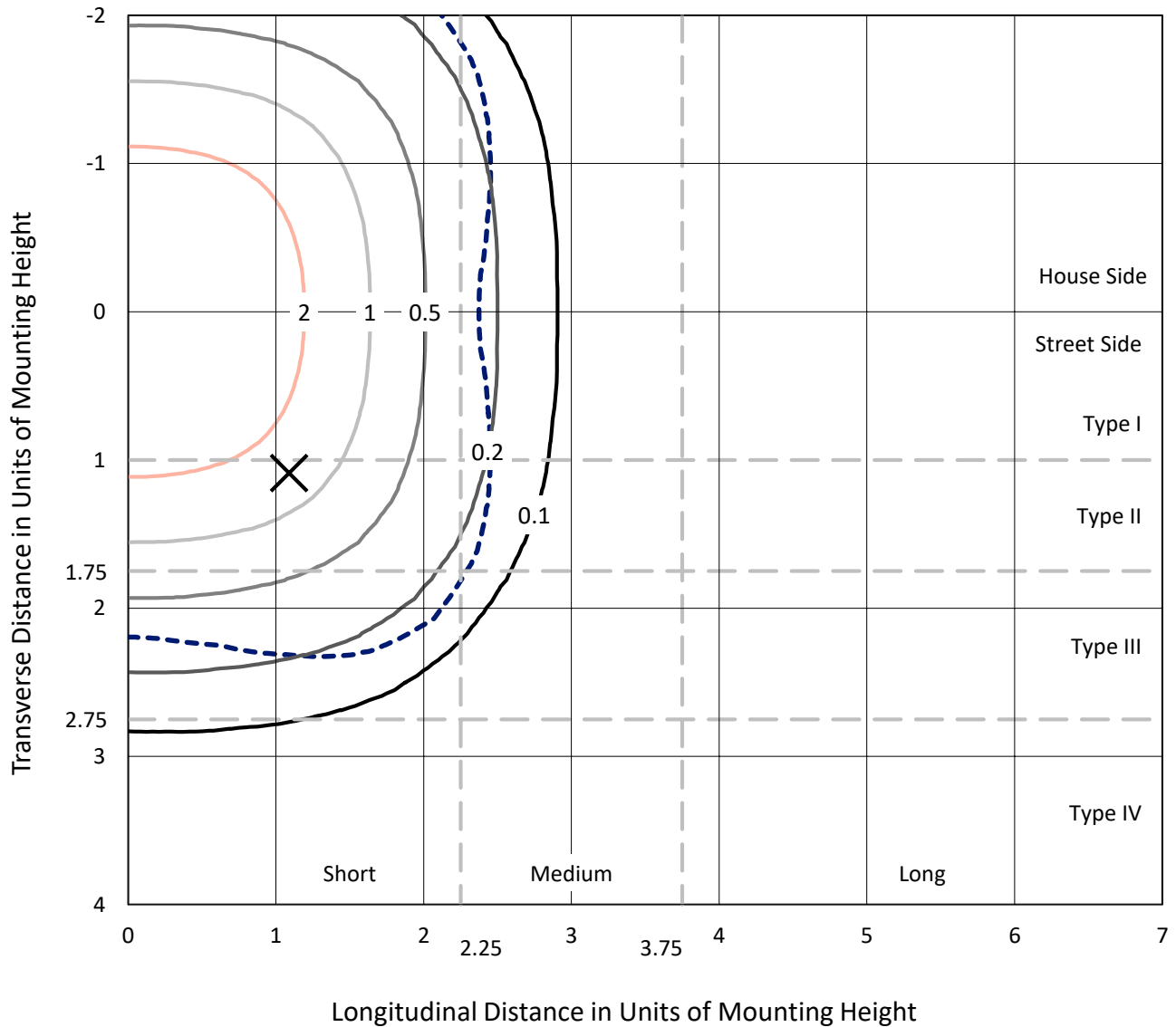
Input Watts (W): 112.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

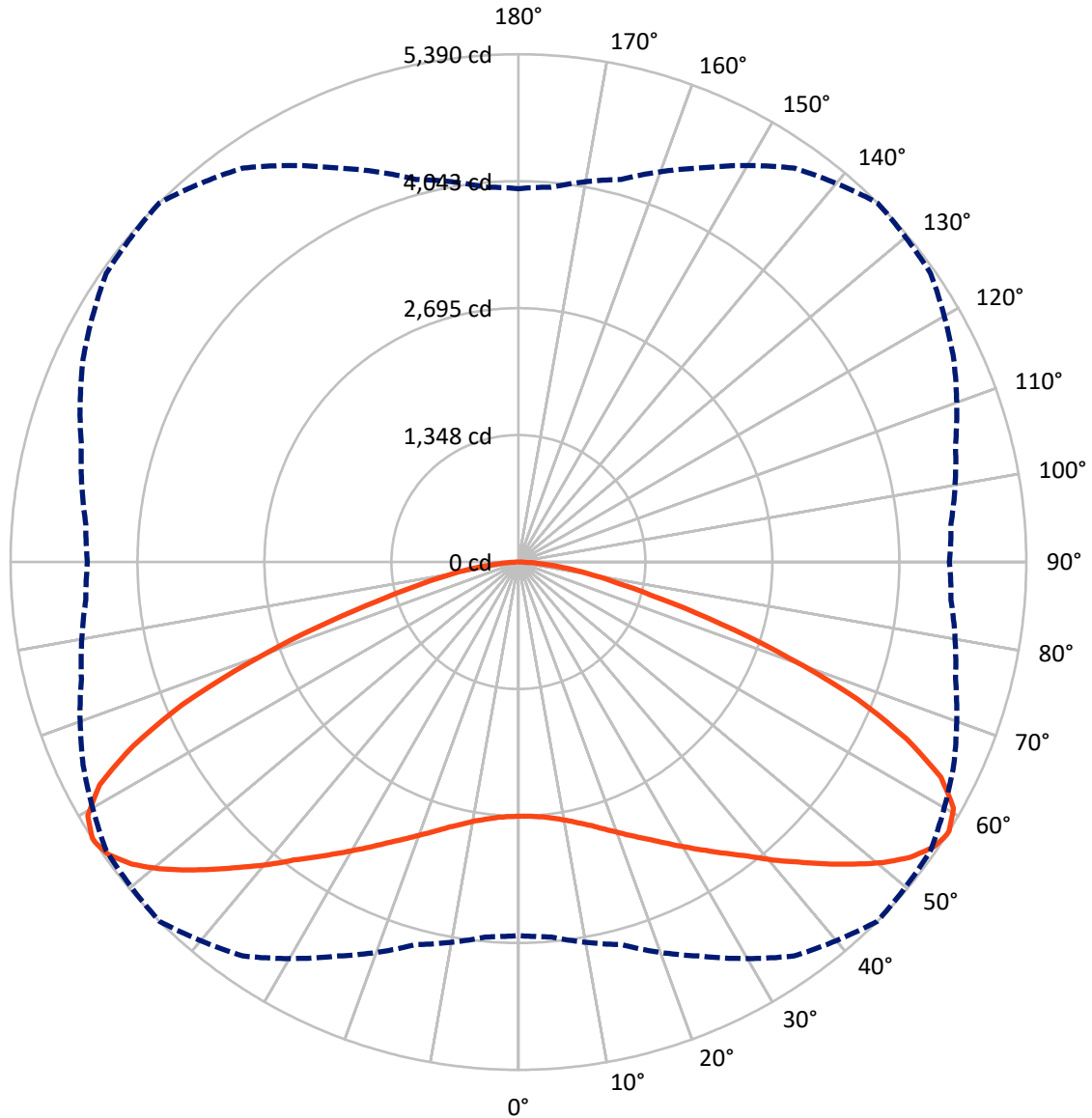
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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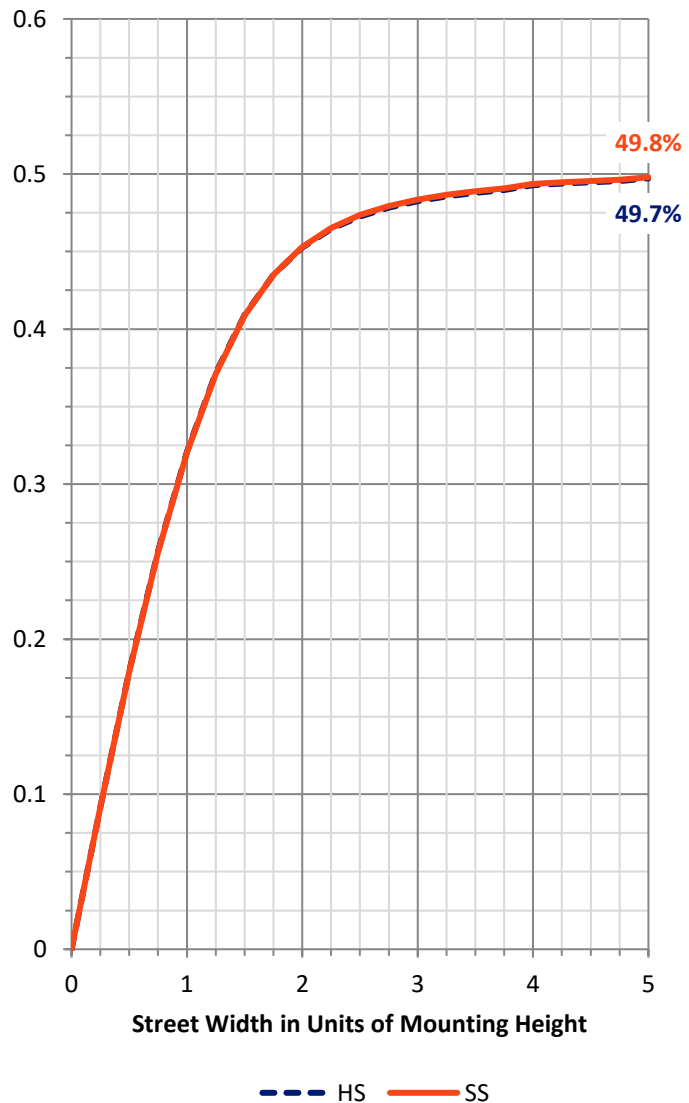
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8990.0	0.0	8990.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8990.0	0.0	8990.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17980.0	0.0	17980.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.7	1.5
10°-20°	827.3	4.6
20°-30°	1508.6	8.4
30°-40°	2365.2	13.2
40°-50°	3429.4	19.1
50°-60°	4282.8	23.8
60°-70°	3574.6	19.9
70°-80°	1453.8	8.1
80°-90°	276.7	1.5
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°	17980.0	100.0
0°-180°	17980.0	100.0



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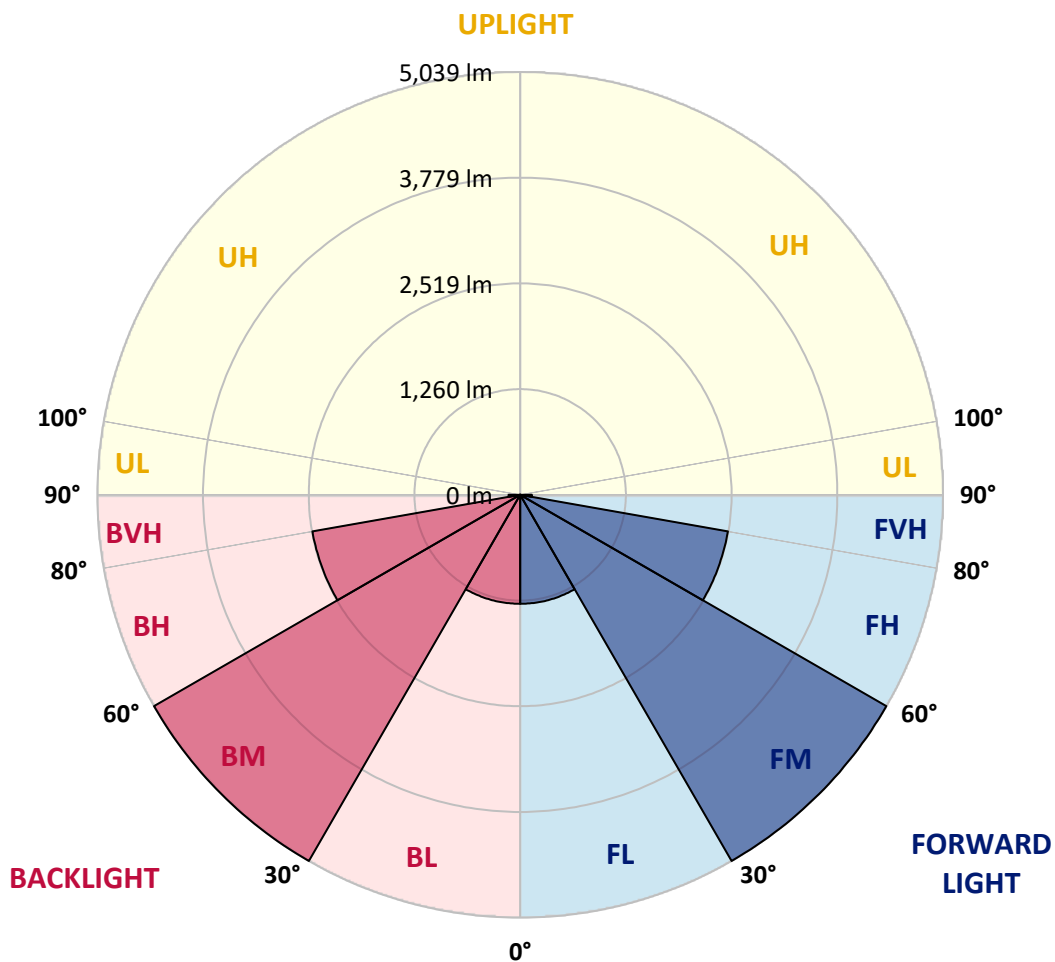
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1298.8	7.2			
FM	(30°-60°)	5038.7	28.0			
FH	(60°-80°)	2514.2	14.0			G2/5000
FVH	(80°-90°)	138.4	0.8			G2/225
BL	(0°-30°)	1298.8	7.2	B3/2500		
BM	(30°-60°)	5038.7	28.0	B4/8500		
BH	(60°-80°)	2514.2	14.0	B4/5000		G2/5000
BVH	(80°-90°)	138.4	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2697.4	2697.4	2697.4	2697.4	2697.4	2697.4	2697.4	2697.4	2697.4	2697.4	2697.4
2.5°	2704.2	2703.2	2704.2	2702.6	2702.6	2702.1	2701.6	2699.5	2700.6	2702.1	2701.1
5°	2721.9	2721.4	2721.9	2720.3	2719.8	2717.7	2717.7	2716.2	2715.6	2717.7	2716.7
7.5°	2749.5	2749.5	2750.5	2749.5	2748.9	2746.9	2744.8	2744.3	2743.7	2744.8	2743.2
10°	2787.9	2788.5	2791.6	2790.5	2790.0	2786.4	2785.3	2783.8	2782.7	2782.7	2783.3
12.5°	2837.4	2839.4	2838.9	2841.5	2842.6	2841.5	2837.4	2831.6	2832.2	2828.0	2828.0
15°	2897.2	2897.7	2900.3	2903.4	2906.0	2902.9	2897.7	2892.0	2888.9	2887.3	2886.8
17.5°	2964.3	2967.4	2969.0	2973.6	2979.9	2983.0	2972.1	2962.7	2956.0	2950.2	2950.8
20°	3037.1	3041.8	3048.0	3055.3	3063.6	3067.8	3058.9	3044.9	3032.4	3026.2	3024.1
22.5°	3120.3	3121.9	3131.2	3145.3	3158.3	3163.5	3155.2	3139.0	3125.5	3117.2	3116.7
25°	3212.9	3211.3	3225.9	3243.6	3263.9	3266.0	3259.2	3243.6	3229.0	3215.5	3214.5
27.5°	3307.0	3307.6	3325.8	3347.1	3372.1	3384.0	3376.7	3363.7	3341.9	3325.3	3323.7
30°	3408.5	3406.9	3430.8	3460.5	3492.7	3512.5	3505.2	3493.8	3469.8	3454.8	3453.2
32.5°	3507.3	3514.6	3538.5	3579.6	3619.1	3648.3	3649.8	3639.9	3615.0	3599.9	3593.6
35°	3620.2	3623.8	3656.6	3710.2	3762.7	3799.1	3803.8	3797.0	3778.8	3756.4	3764.2
37.5°	3732.5	3733.6	3776.2	3846.4	3916.1	3958.8	3981.7	3975.9	3956.2	3940.6	3938.5
40°	3851.6	3857.4	3910.4	3990.0	4086.2	4159.0	4183.0	4183.0	4155.4	4140.8	4124.2
42.5°	3974.4	3978.0	4041.0	4148.1	4265.7	4353.6	4386.9	4384.8	4349.9	4317.2	4312.0
45°	4095.1	4099.7	4172.6	4307.8	4461.2	4569.9	4615.7	4597.5	4538.2	4489.8	4484.6
47.5°	4186.6	4200.6	4289.1	4465.4	4660.4	4791.5	4840.4	4794.1	4695.3	4630.8	4615.7
50°	4241.2	4257.9	4375.9	4600.6	4850.3	5013.1	5046.4	4955.4	4819.1	4723.9	4709.3
52.5°	4228.7	4248.5	4400.9	4690.6	5009.5	5206.1	5208.7	5070.8	4888.3	4762.9	4745.2
55°	4125.2	4148.1	4335.4	4698.9	5109.3	5345.0	5316.9	5126.0	4881.5	4723.9	4697.4
57°	3963.5	3994.1	4203.2	4616.2	5103.6	5390.2	5340.3	5097.9	4802.4	4609.0	4574.6
57.5°	3920.3	3948.9	4155.4	4586.1	5094.2	5389.7	5335.6	5082.3	4769.7	4568.4	4539.8
60°	3598.8	3641.0	3877.6	4339.5	4926.2	5304.9	5231.0	4904.9	4512.2	4264.1	4215.2
62.5°	3220.2	3255.6	3490.7	3980.1	4581.4	5032.9	4969.4	4542.4	4086.7	3809.0	3773.1
65°	2793.1	2805.1	3039.2	3469.8	4078.4	4528.9	4482.6	4012.9	3523.4	3242.0	3200.4
67.5°	2286.5	2328.1	2531.5	2942.9	3482.9	3876.6	3824.6	3331.5	2909.1	2625.1	2609.0
70°	1795.0	1823.6	1999.4	2361.4	2795.7	3048.5	2945.5	2584.6	2243.4	2027.0	2005.1
72.5°	1281.6	1340.4	1515.7	1798.1	2121.1	2249.6	2130.0	1941.2	1661.3	1531.8	1511.0
75°	850.9	870.7	1088.7	1317.0	1529.2	1547.9	1493.3	1370.0	1238.5	1120.9	1113.1
77.5°	580.0	598.2	769.3	968.5	1063.7	1079.8	1009.1	974.2	910.2	775.5	736.5
80°	375.0	396.9	531.1	707.4	764.1	751.6	698.5	677.2	645.0	500.9	462.4
82.5°	244.5	255.4	351.1	477.5	517.5	474.4	432.8	465.5	446.3	311.0	296.0
85°	124.8	130.0	181.5	253.3	279.8	244.5	227.3	274.1	252.3	177.9	162.8
87.5°	29.1	32.8	46.8	66.1	71.3	68.7	69.2	91.0	83.7	63.5	58.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)