

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: P395136

Luminaire Tested: **LAS100S-T5-Switch-2**

Issue Date: 5/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395136  
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-2  
Description: AREA SITE LARGE HOUSING, TYPE V, WATTAGE SWITCH ON POSTION 2  
Light Source: (288) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28232 lumens  
Efficiency: N/A  
Efficacy: 143.7 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

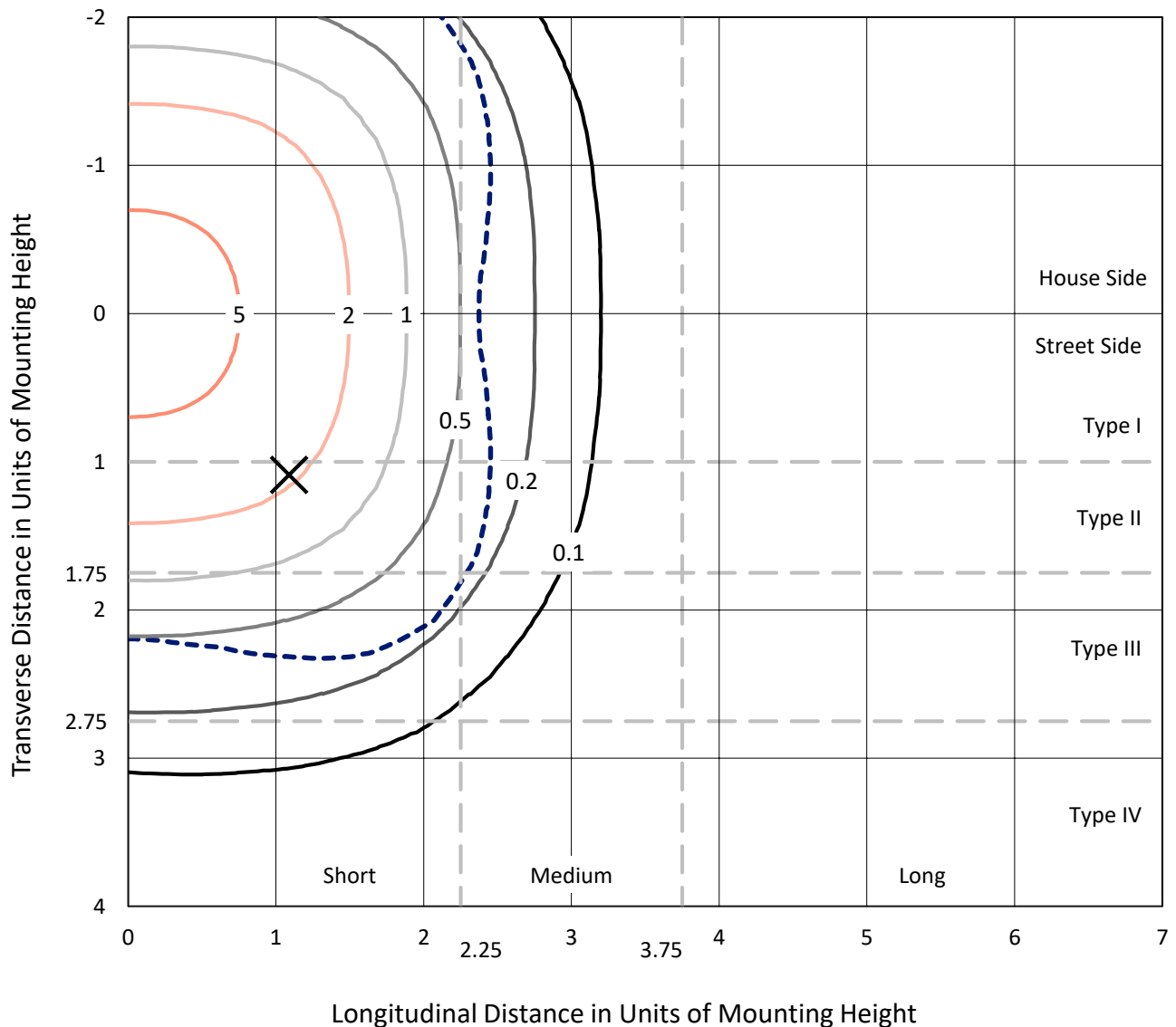
Input Watts (W): 196.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

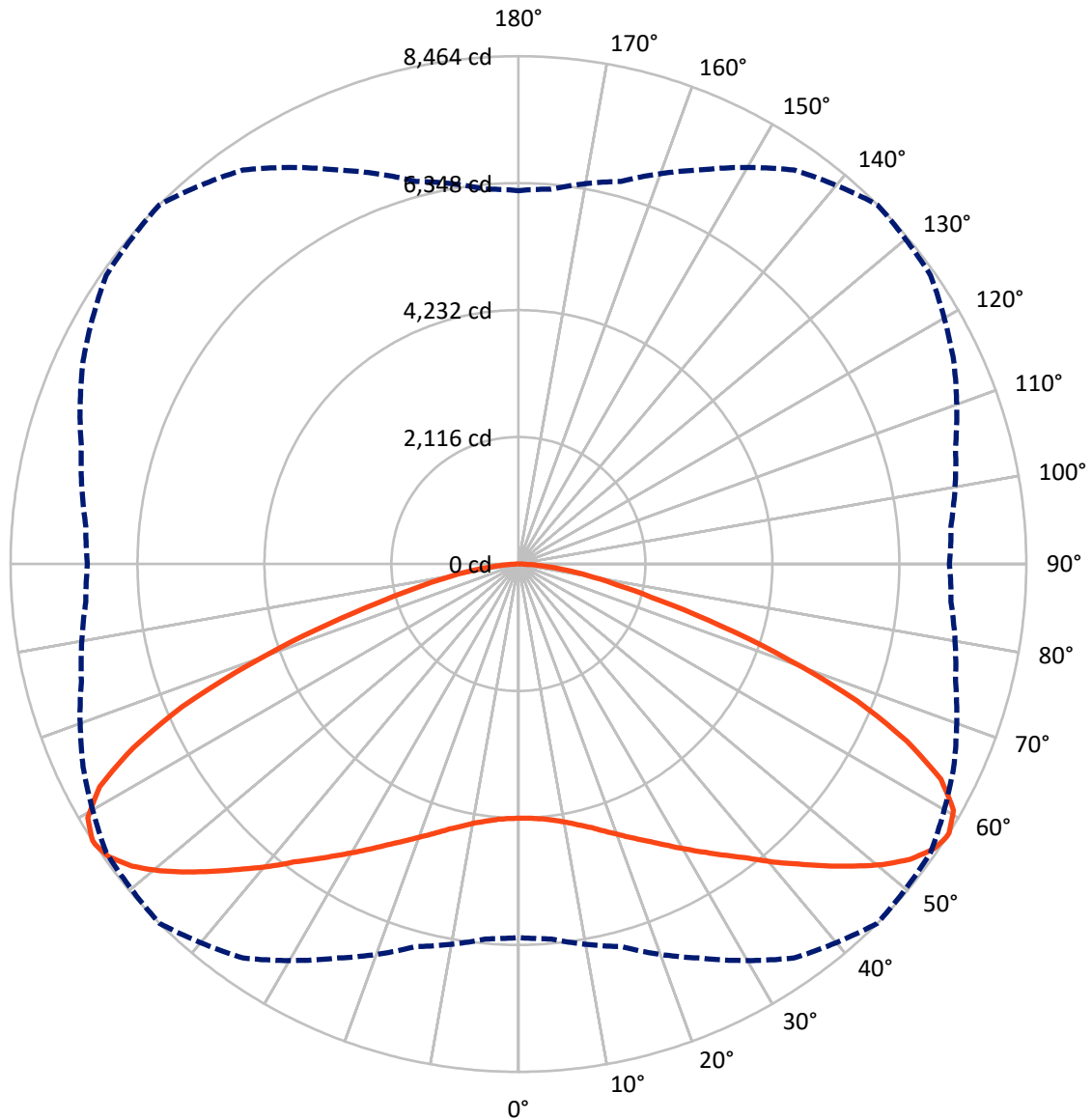
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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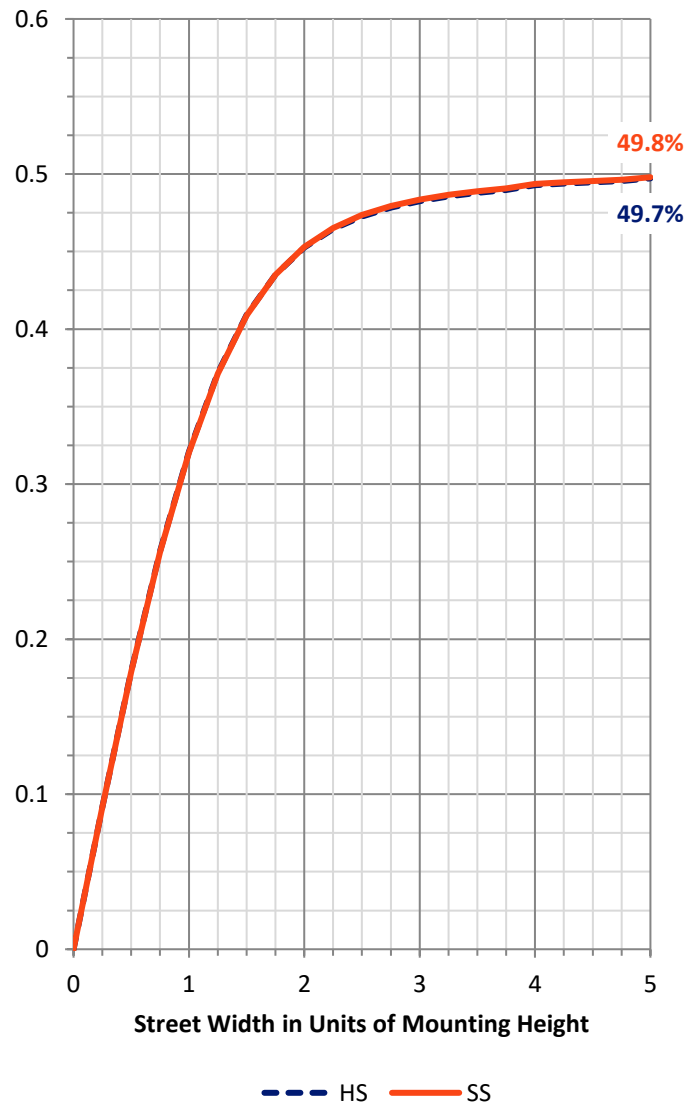
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14116.0	0.0	14116.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14116.0	0.0	14116.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28232.0	0.0	28232.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.9	1.5
10°-20°	1299.0	4.6
20°-30°	2368.8	8.4
30°-40°	3713.8	13.2
40°-50°	5384.7	19.1
50°-60°	6724.8	23.8
60°-70°	5612.8	19.9
70°-80°	2282.7	8.1
80°-90°	434.5	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°	28232.0	100.0
0°-180°	28232.0	100.0



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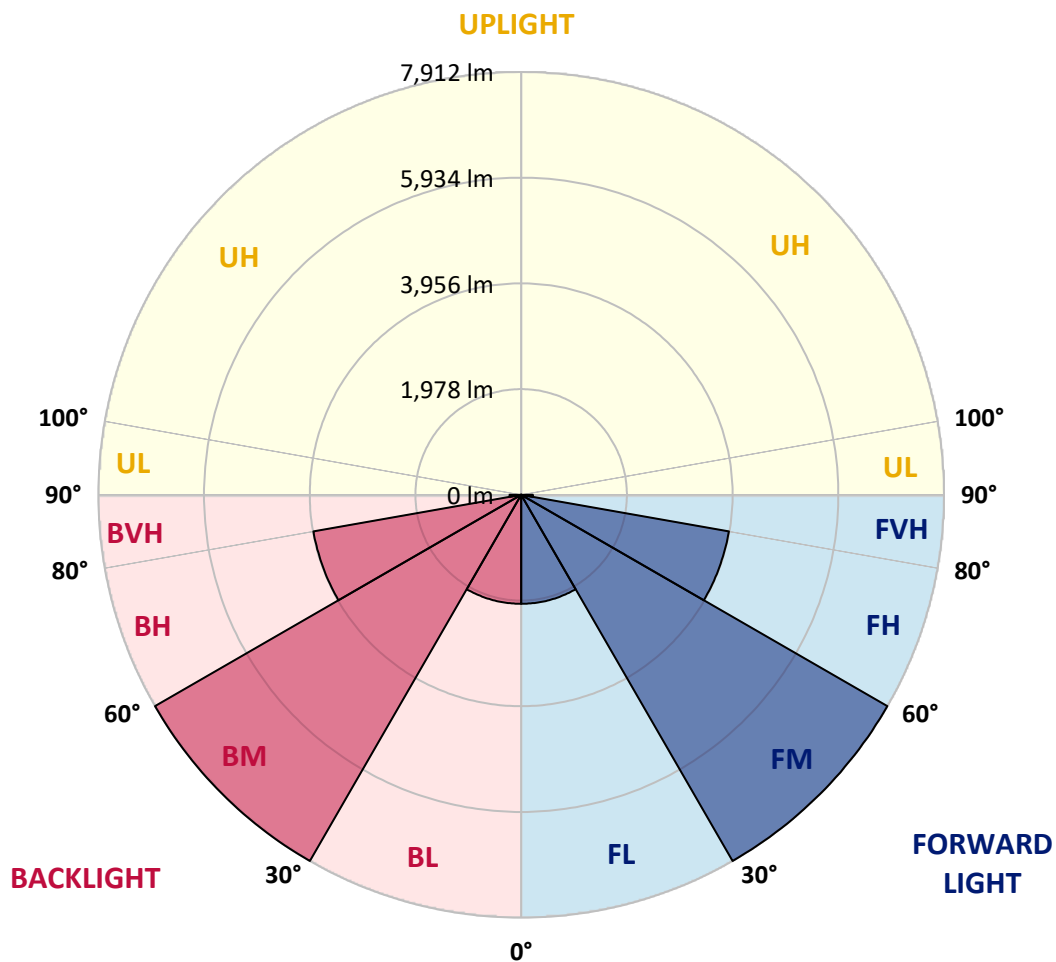
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2039.3	7.2			
FM	(30°-60°)	7911.7	28.0			
FH	(60°-80°)	3947.7	14.0			G2/5000
FVH	(80°-90°)	217.3	0.8			G2/225
BL	(0°-30°)	2039.3	7.2	B3/2500		
BM	(30°-60°)	7911.7	28.0	B4/8500		
BH	(60°-80°)	3947.7	14.0	B4/5000		G2/5000
BVH	(80°-90°)	217.3	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°	4235.5	4235.5	4235.5	4235.5	4235.5	4235.5	4235.5	4235.5	4235.5	4235.5	4235.5
2.5°	4246.1	4244.5	4246.1	4243.7	4243.7	4242.8	4242.0	4238.8	4240.4	4242.8	4241.2
5°	4273.9	4273.1	4273.9	4271.4	4270.6	4267.3	4267.3	4264.9	4264.1	4267.3	4265.7
7.5°	4317.2	4317.2	4318.8	4317.2	4316.3	4313.1	4309.8	4309.0	4308.2	4309.8	4307.4
10°	4377.6	4378.4	4383.3	4381.7	4380.9	4375.2	4373.5	4371.1	4369.4	4369.4	4370.3
12.5°	4455.2	4458.5	4457.6	4461.7	4463.4	4461.7	4455.2	4446.2	4447.0	4440.5	4440.5
15°	4549.1	4549.9	4554.0	4558.9	4563.0	4558.1	4549.9	4540.9	4536.0	4533.6	4532.8
17.5°	4654.5	4659.4	4661.8	4669.2	4679.0	4683.9	4666.7	4652.0	4641.4	4632.4	4633.2
20°	4768.8	4776.2	4786.0	4797.4	4810.5	4817.0	4803.1	4781.1	4761.5	4751.7	4748.4
22.5°	4899.5	4901.9	4916.6	4938.7	4959.1	4967.3	4954.2	4928.9	4907.7	4894.6	4893.8
25°	5044.9	5042.4	5065.3	5093.0	5124.9	5128.2	5117.5	5093.0	5070.2	5048.9	5047.3
27.5°	5192.7	5193.5	5222.1	5255.6	5294.8	5313.6	5302.1	5281.7	5247.4	5221.3	5218.8
30°	5351.9	5349.5	5387.1	5433.6	5484.3	5515.3	5503.9	5485.9	5448.3	5424.6	5422.2
32.5°	5507.1	5518.6	5556.1	5620.6	5682.7	5728.5	5730.9	5715.4	5676.2	5652.5	5642.7
35°	5684.4	5690.1	5741.5	5825.6	5908.1	5965.3	5972.7	5962.0	5933.4	5898.3	5910.6
37.5°	5860.8	5862.4	5929.4	6039.6	6149.1	6216.0	6252.0	6243.0	6211.9	6187.4	6184.2
40°	6047.8	6056.8	6140.1	6265.0	6416.1	6530.5	6568.0	6568.0	6524.8	6501.9	6475.7
42.5°	6240.5	6246.3	6345.1	6513.3	6697.9	6835.9	6888.2	6884.9	6830.2	6778.8	6770.6
45°	6430.0	6437.4	6551.7	6764.1	7005.0	7175.7	7247.5	7219.0	7125.9	7049.9	7041.7
47.5°	6573.8	6595.8	6734.6	7011.5	7317.8	7523.6	7600.4	7527.7	7372.5	7271.2	7247.5
50°	6659.5	6685.6	6871.0	7223.9	7615.9	7871.5	7923.8	7780.9	7566.9	7417.4	7394.6
52.5°	6639.9	6670.9	6910.2	7365.2	7865.8	8174.5	8178.6	7962.2	7675.5	7478.7	7450.9
55°	6477.4	6513.3	6807.3	7378.2	8022.6	8392.6	8348.5	8048.7	7664.9	7417.4	7375.8
57°	6223.4	6271.6	6599.9	7248.4	8013.6	8463.6	8385.2	8004.6	7540.7	7236.9	7183.0
57.5°	6155.6	6200.5	6524.8	7201.0	7998.9	8462.8	8377.9	7980.1	7489.3	7173.2	7128.3
60°	5650.9	5717.0	6088.6	6813.9	7735.1	8329.7	8213.7	7701.6	7085.0	6695.4	6618.7
62.5°	5056.3	5111.8	5481.0	6249.5	7193.6	7902.6	7802.9	7132.4	6416.9	5980.8	5924.5
65°	4385.8	4404.6	4772.1	5448.3	6403.9	7111.2	7038.5	6301.0	5532.4	5090.6	5025.3
67.5°	3590.3	3655.6	3975.0	4621.0	5468.7	6087.0	6005.3	5231.1	4567.9	4122.0	4096.7
70°	2818.5	2863.4	3139.5	3707.9	4389.9	4786.8	4625.1	4058.3	3522.5	3182.7	3148.4
72.5°	2012.4	2104.7	2379.9	2823.4	3330.6	3532.3	3344.5	3048.0	2608.6	2405.2	2372.6
75°	1336.1	1367.2	1709.4	2067.9	2401.1	2430.5	2344.8	2151.2	1944.6	1760.0	1747.8
77.5°	910.6	939.2	1207.9	1520.7	1670.2	1695.5	1584.4	1529.7	1429.3	1217.7	1156.5
80°	588.9	623.2	833.9	1110.7	1199.8	1180.2	1096.9	1063.4	1012.7	786.5	726.1
82.5°	383.9	401.0	551.3	749.7	812.6	744.8	679.5	731.0	700.7	488.4	464.7
85°	196.0	204.2	285.0	397.7	439.4	383.9	356.9	430.4	396.1	279.3	255.6
87.5°	45.7	51.5	73.5	103.7	111.9	107.8	108.6	142.9	131.5	99.6	91.5
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)