

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: P395138

Luminaire Tested: **LAS100S-T5-Switch-4**

Issue Date: 5/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395138  
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-4  
Description: AREA SITE LARGE HOUSING, TYPE V, WATTAGE SWITCH ON POSTION 4  
Light Source: (288) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22438 lumens  
Efficiency: N/A  
Efficacy: 152.8 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

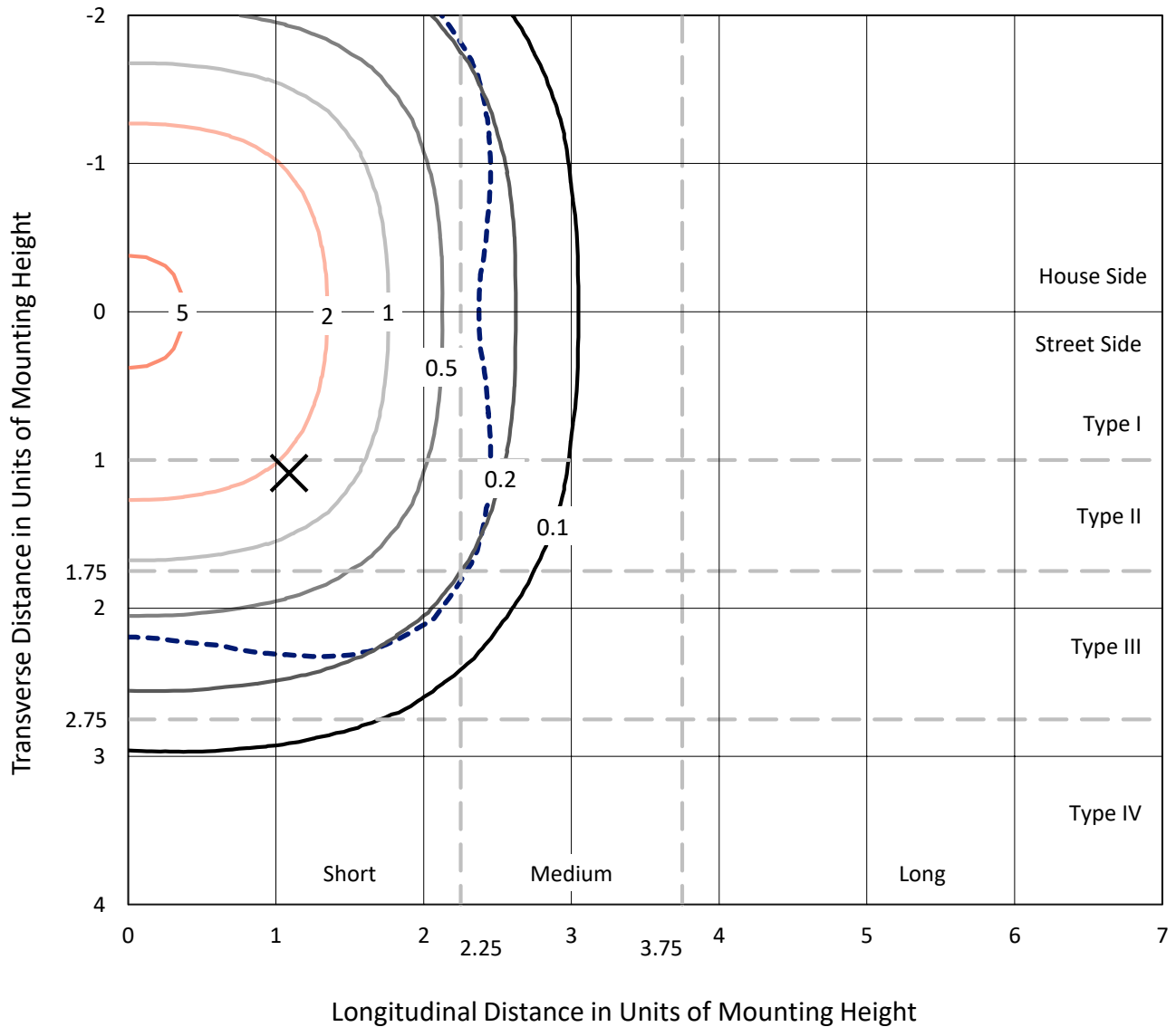
Input Watts (W): 146.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

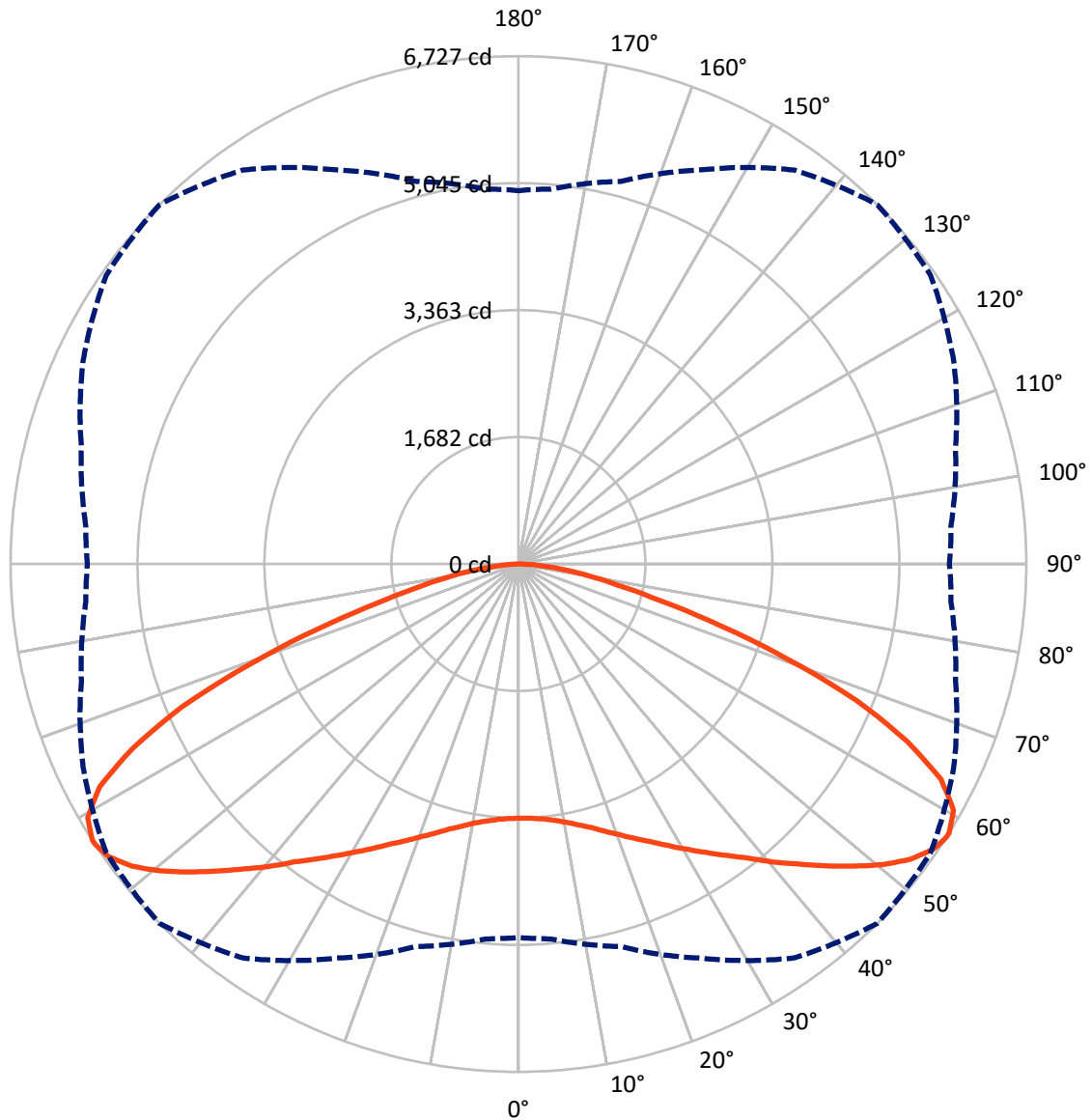
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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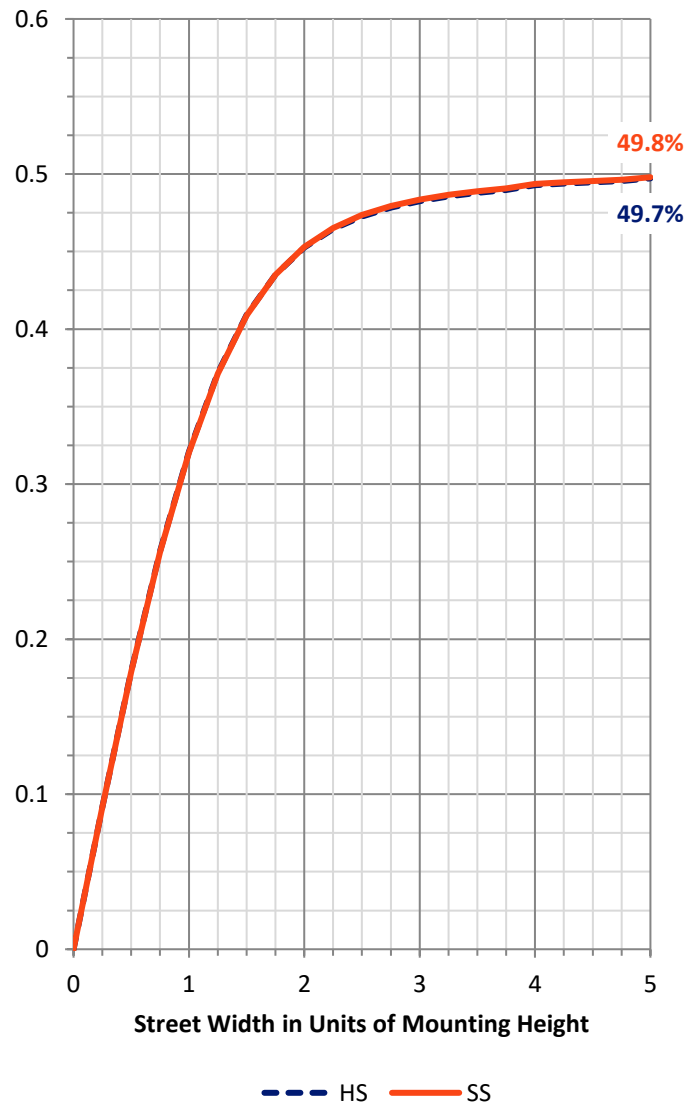
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11219.0	0.0	11219.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11219.0	0.0	11219.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22438.0	0.0	22438.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.6	1.5
10°-20°	1032.4	4.6
20°-30°	1882.6	8.4
30°-40°	2951.6	13.2
40°-50°	4279.6	19.1
50°-60°	5344.7	23.8
60°-70°	4460.9	19.9
70°-80°	1814.2	8.1
80°-90°	345.4	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°	22438.0	100.0
0°-180°	22438.0	100.0



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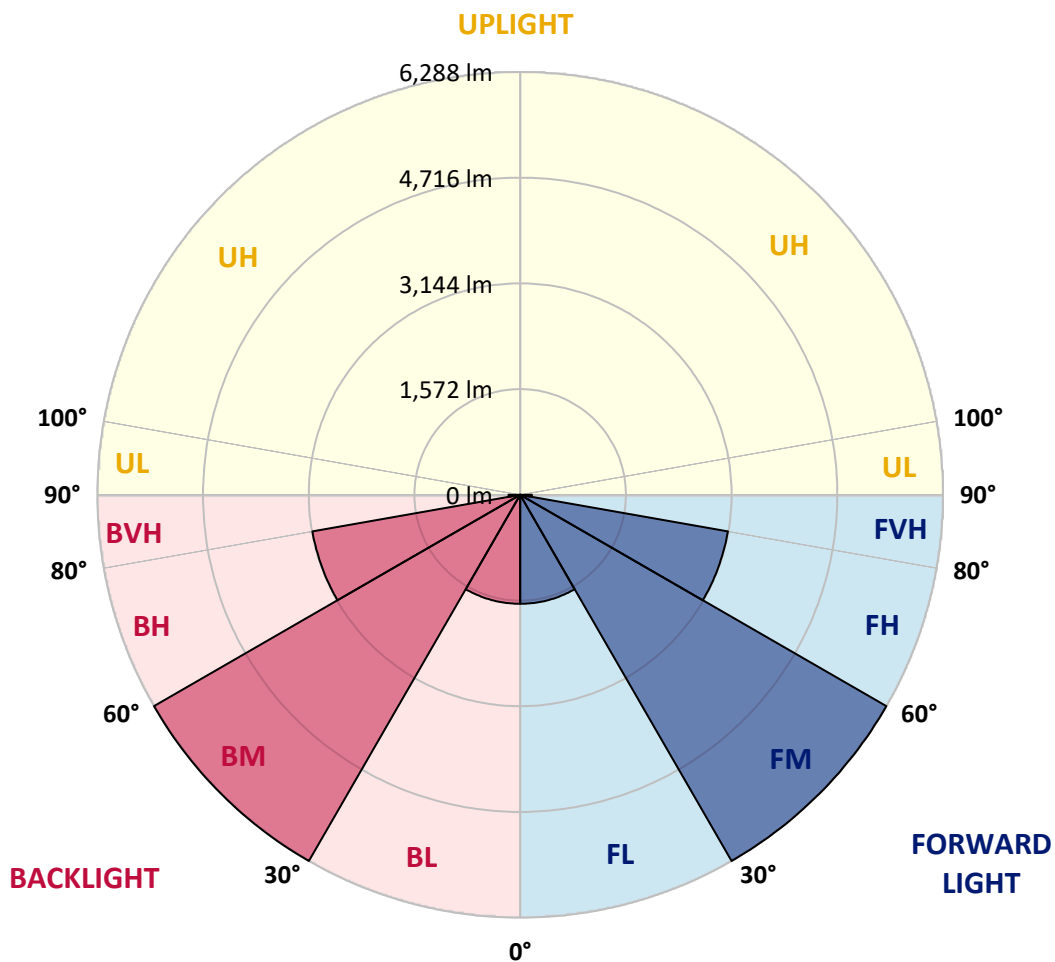
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1620.8	7.2			
FM	(30°-60°)	6288.0	28.0			
FH	(60°-80°)	3137.6	14.0			G2/5000
FVH	(80°-90°)	172.7	0.8			G2/225
BL	(0°-30°)	1620.8	7.2	B3/2500		
BM	(30°-60°)	6288.0	28.0	B4/8500		
BH	(60°-80°)	3137.6	14.0	B4/5000		G2/5000
BVH	(80°-90°)	172.7	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°	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3
2.5°	3374.7	3373.4	3374.7	3372.7	3372.7	3372.1	3371.4	3368.8	3370.1	3372.1	3370.8
5°	3396.8	3396.1	3396.8	3394.8	3394.2	3391.6	3391.6	3389.6	3389.0	3391.6	3390.3
7.5°	3431.2	3431.2	3432.5	3431.2	3430.5	3427.9	3425.3	3424.7	3424.0	3425.3	3423.4
10°	3479.2	3479.8	3483.7	3482.4	3481.8	3477.2	3476.0	3474.0	3472.7	3472.7	3473.4
12.5°	3540.9	3543.5	3542.8	3546.1	3547.4	3546.1	3540.9	3533.7	3534.4	3529.2	3529.2
15°	3615.5	3616.2	3619.4	3623.3	3626.5	3622.6	3616.2	3609.0	3605.1	3603.2	3602.5
17.5°	3699.2	3703.1	3705.1	3710.9	3718.7	3722.6	3709.0	3697.3	3688.9	3681.7	3682.4
20°	3790.1	3796.0	3803.7	3812.8	3823.2	3828.4	3817.4	3799.9	3784.3	3776.5	3773.9
22.5°	3894.0	3895.9	3907.6	3925.1	3941.4	3947.8	3937.5	3917.3	3900.5	3890.1	3889.4
25°	4009.5	4007.6	4025.7	4047.8	4073.1	4075.7	4067.3	4047.8	4029.6	4012.8	4011.5
27.5°	4127.0	4127.7	4150.4	4177.0	4208.1	4223.1	4214.0	4197.8	4170.5	4149.7	4147.8
30°	4253.6	4251.6	4281.5	4318.5	4358.7	4383.4	4374.3	4360.0	4330.2	4311.3	4309.4
32.5°	4376.9	4386.0	4415.9	4467.1	4516.5	4552.8	4554.8	4542.4	4511.3	4492.4	4484.7
35°	4517.8	4522.3	4563.2	4630.1	4695.6	4741.1	4746.9	4738.5	4715.7	4687.8	4697.6
37.5°	4658.0	4659.3	4712.5	4800.1	4887.1	4940.3	4968.9	4961.7	4937.1	4917.6	4915.0
40°	4806.6	4813.8	4880.0	4979.3	5099.4	5190.2	5220.1	5220.1	5185.7	5167.5	5146.7
42.5°	4959.8	4964.3	5042.9	5176.6	5323.3	5433.0	5474.5	5471.9	5428.5	5387.6	5381.1
45°	5110.4	5116.2	5207.1	5375.9	5567.4	5703.0	5760.1	5737.4	5663.4	5603.1	5596.6
47.5°	5224.6	5242.2	5352.5	5572.6	5816.0	5979.5	6040.6	5982.8	5859.5	5779.0	5760.1
50°	5292.8	5313.6	5460.9	5741.3	6052.9	6256.1	6297.6	6184.0	6013.9	5895.2	5877.0
52.5°	5277.2	5301.9	5492.1	5853.6	6251.5	6496.9	6500.1	6328.1	6100.3	5943.8	5921.8
55°	5148.0	5176.6	5410.3	5864.0	6376.1	6670.2	6635.1	6396.9	6091.8	5895.2	5862.1
57°	4946.2	4984.5	5245.4	5760.8	6369.0	6726.7	6664.3	6361.9	5993.2	5751.7	5708.9
57.5°	4892.3	4928.0	5185.7	5723.1	6357.3	6726.0	6658.5	6342.4	5952.3	5701.1	5665.4
60°	4491.1	4543.7	4839.1	5415.5	6147.7	6620.2	6528.0	6121.0	5631.0	5321.4	5260.3
62.5°	4018.6	4062.7	4356.1	4966.9	5717.3	6280.7	6201.5	5668.6	5100.0	4753.4	4708.6
65°	3485.7	3500.6	3792.7	4330.2	5089.6	5651.7	5594.0	5007.8	4397.0	4045.9	3993.9
67.5°	2853.5	2905.4	3159.2	3672.6	4346.4	4837.8	4772.9	4157.5	3630.4	3276.0	3255.9
70°	2240.1	2275.8	2495.2	2946.9	3488.9	3804.4	3675.9	3225.4	2799.6	2529.6	2502.3
72.5°	1599.4	1672.7	1891.5	2244.0	2647.0	2807.4	2658.1	2422.5	2073.2	1911.6	1885.6
75°	1061.9	1086.6	1358.6	1643.5	1908.4	1931.7	1863.6	1709.7	1545.5	1398.8	1389.1
77.5°	723.8	746.5	960.0	1208.6	1327.4	1347.5	1259.3	1215.8	1135.9	967.8	919.1
80°	468.0	495.3	662.7	882.8	953.5	938.0	871.7	845.1	804.9	625.1	577.1
82.5°	305.1	318.7	438.1	595.9	645.9	592.0	540.1	580.9	556.9	388.2	369.3
85°	155.8	162.3	226.5	316.1	349.2	305.1	283.7	342.1	314.8	222.0	203.2
87.5°	36.3	40.9	58.4	82.4	88.9	85.7	86.3	113.6	104.5	79.2	72.7
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)