

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: P395137

Luminaire Tested: **LAS100S-T5-Switch-3**

Issue Date: 5/3/2020

Test Information

Test Method: LM-79-08
Report Number: P395137
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-3
Description: AREA SITE LARGE HOUSING, TYPE V, WATTAGE SWITCH ON POSTION 3
Light Source: (288) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24378 lumens
Efficiency: N/A
Efficacy: 149.7 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

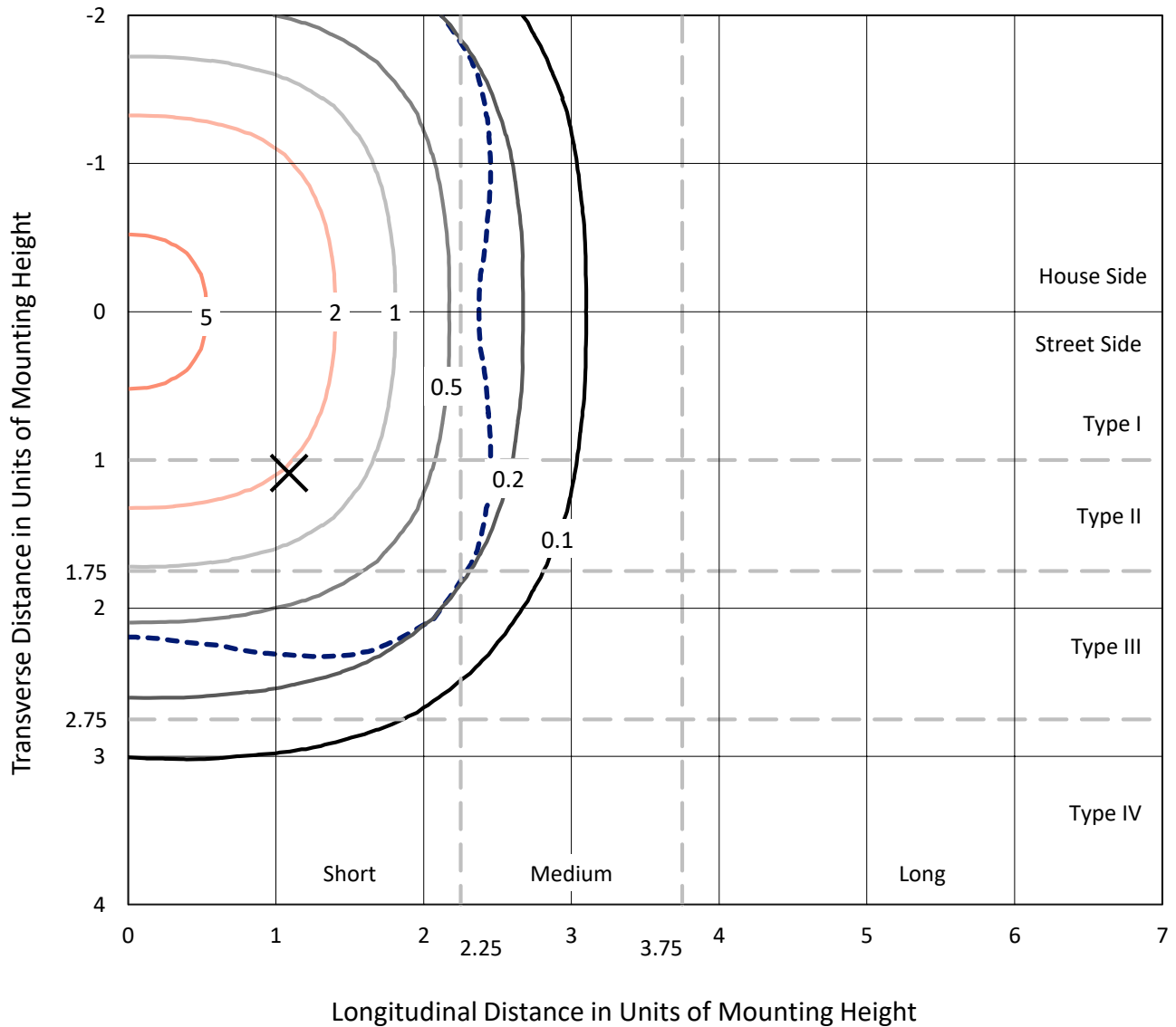
Input Watts (W): 162.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P395137
 CATALOG NUMBER: LAS100S-T5-Switch-3

Iso-Footcandle Lines of Horizontal Illumination

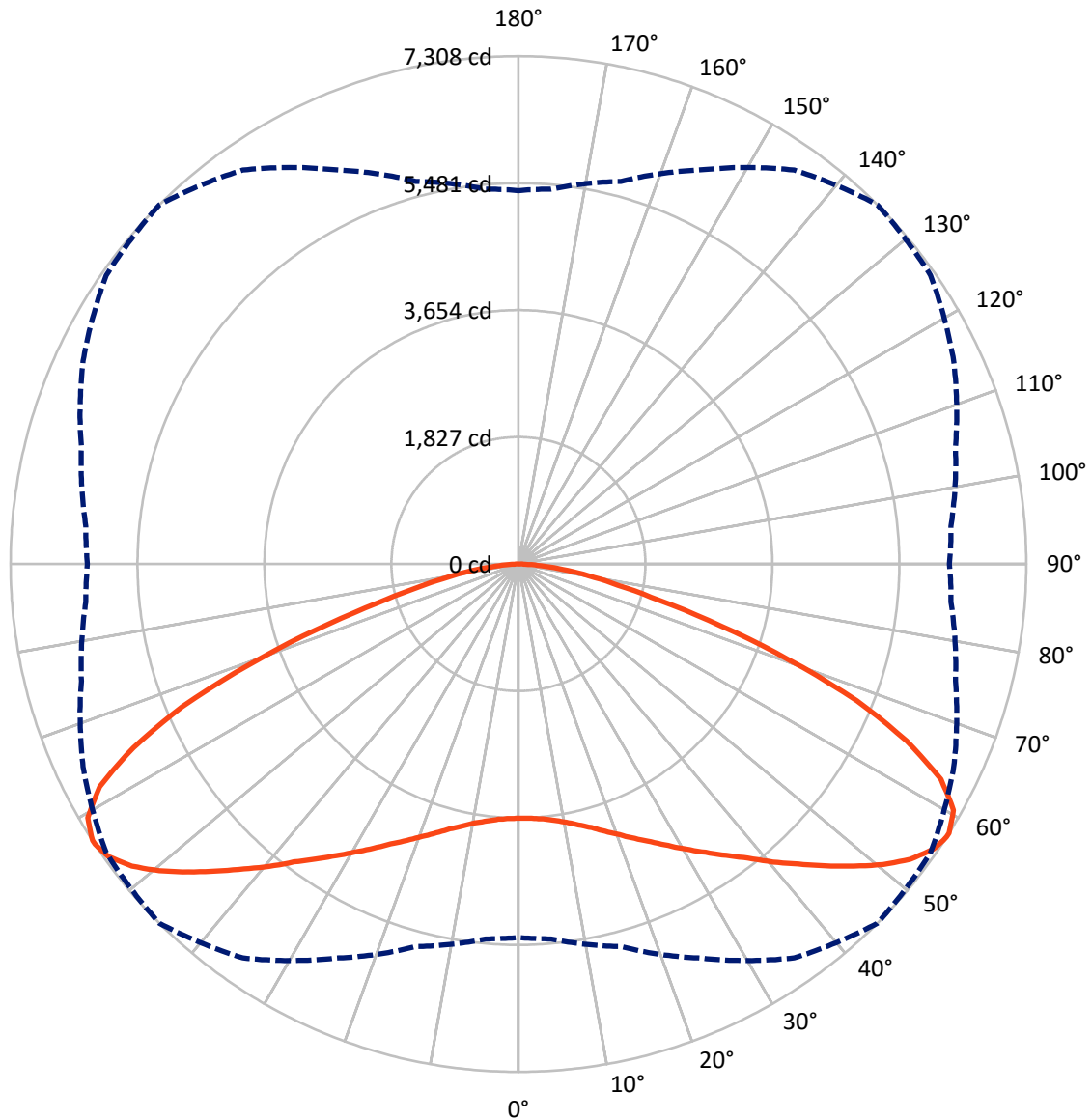
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P395137
CATALOG NUMBER: LAS100S-T5-Switch-3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P395137

CATALOG NUMBER: LAS100S-T5-Switch-3

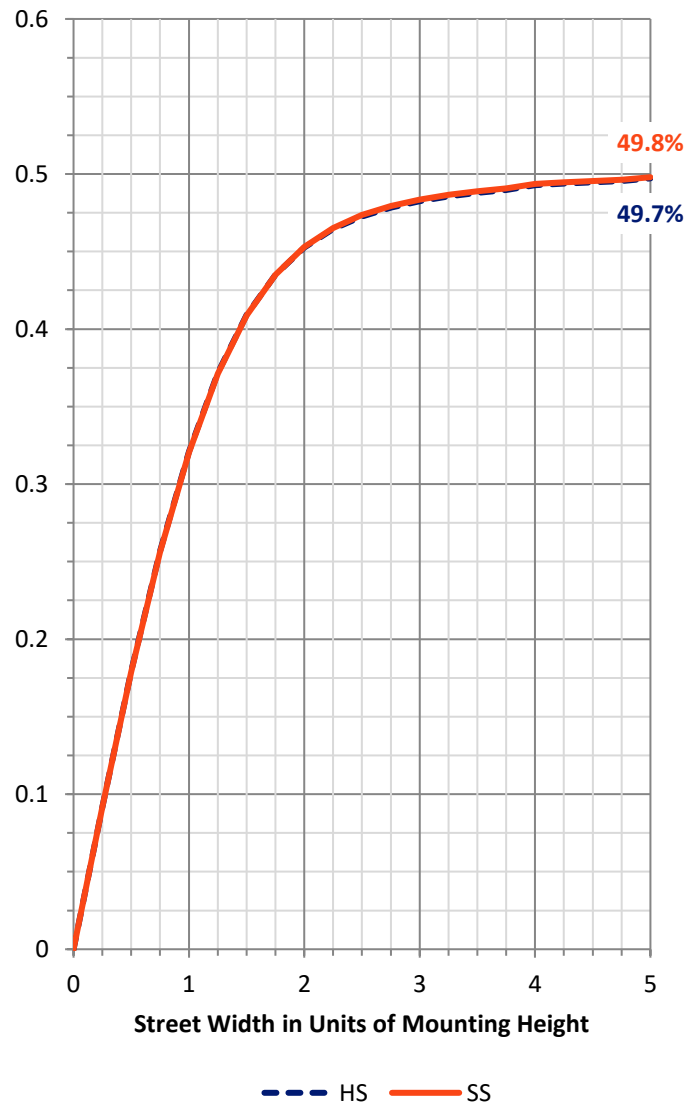
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12189.0	0.0	12189.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12189.0	0.0	12189.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24378.0	0.0	24378.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	1.5
10°-20°	1121.6	4.6
20°-30°	2045.4	8.4
30°-40°	3206.8	13.2
40°-50°	4649.7	19.1
50°-60°	5806.8	23.8
60°-70°	4846.6	19.9
70°-80°	1971.1	8.1
80°-90°	375.2	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°	24378.0	100.0
0°-180°	24378.0	100.0



REPORT NUMBER: P395137

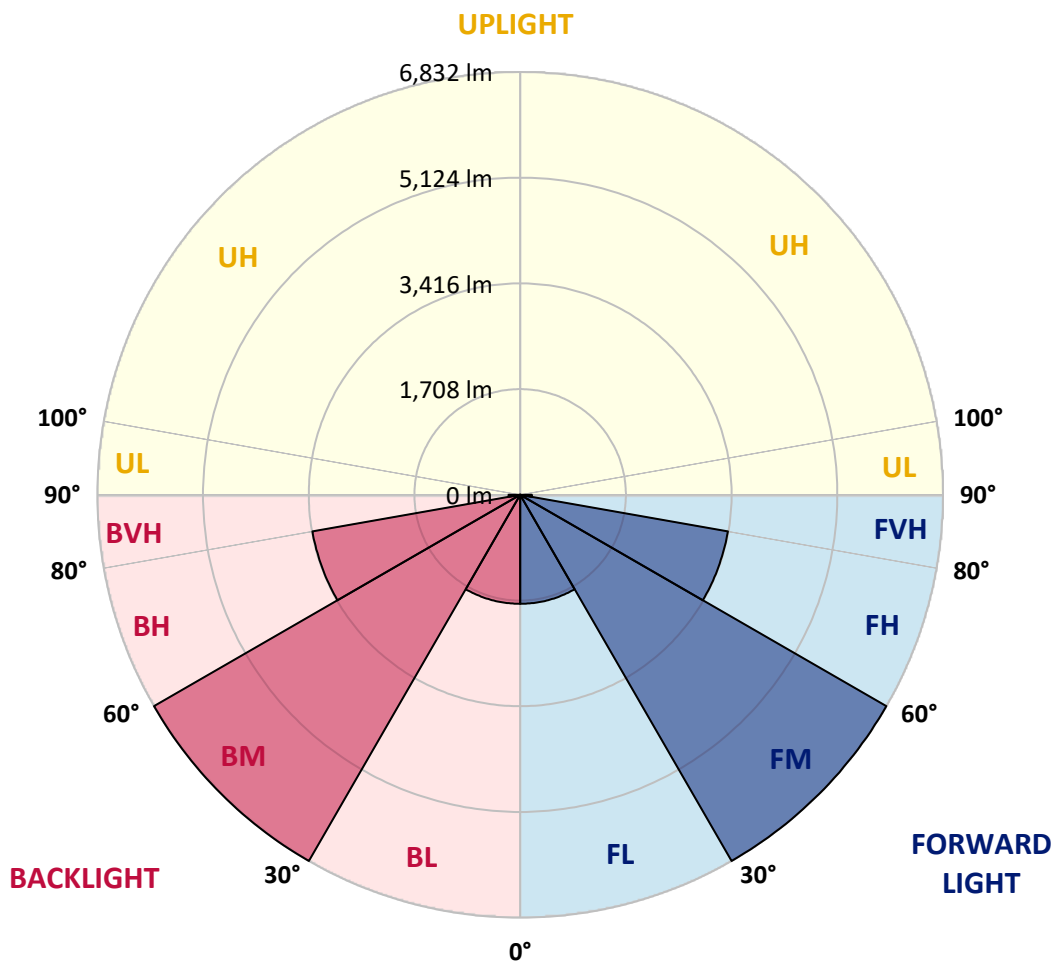
CATALOG NUMBER: LAS100S-T5-Switch-3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1760.9	7.2			
FM	(30°-60°)	6831.6	28.0			
FH	(60°-80°)	3408.8	14.0			G2/5000
FVH	(80°-90°)	187.6	0.8			G2/225
BL	(0°-30°)	1760.9	7.2	B3/2500		
BM	(30°-60°)	6831.6	28.0	B4/8500		
BH	(60°-80°)	3408.8	14.0	B4/5000		G2/5000
BVH	(80°-90°)	187.6	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





REPORT NUMBER: P395137

CATALOG NUMBER: LAS100S-T5-Switch-3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3657.3	3657.3	3657.3	3657.3	3657.3	3657.3	3657.3	3657.3	3657.3	3657.3	3657.3
2.5°	3666.5	3665.1	3666.5	3664.4	3664.4	3663.6	3662.9	3660.1	3661.5	3663.6	3662.2
5°	3690.4	3689.7	3690.4	3688.3	3687.6	3684.8	3684.8	3682.7	3682.0	3684.8	3683.4
7.5°	3727.8	3727.8	3729.2	3727.8	3727.1	3724.3	3721.5	3720.8	3720.1	3721.5	3719.4
10°	3780.0	3780.7	3784.9	3783.5	3782.8	3777.9	3776.5	3774.4	3773.0	3773.0	3773.7
12.5°	3847.0	3849.8	3849.1	3852.6	3854.1	3852.6	3847.0	3839.2	3840.0	3834.3	3834.3
15°	3928.1	3928.8	3932.3	3936.6	3940.1	3935.9	3928.8	3921.1	3916.8	3914.7	3914.0
17.5°	4019.1	4023.3	4025.4	4031.8	4040.2	4044.5	4029.7	4017.0	4007.8	4000.0	4000.7
20°	4117.8	4124.2	4132.6	4142.5	4153.8	4159.4	4147.4	4128.4	4111.5	4103.0	4100.2
22.5°	4230.6	4232.8	4245.5	4264.5	4282.1	4289.2	4277.9	4256.0	4237.7	4226.4	4225.7
25°	4356.2	4354.1	4373.8	4397.8	4425.3	4428.1	4418.9	4397.8	4378.0	4359.7	4358.3
27.5°	4483.8	4484.5	4509.2	4538.1	4572.0	4588.2	4578.3	4560.7	4531.1	4508.5	4506.4
30°	4621.3	4619.2	4651.7	4691.9	4735.6	4762.4	4752.5	4737.0	4704.6	4684.1	4682.0
32.5°	4755.3	4765.2	4797.6	4853.4	4907.0	4946.5	4948.6	4935.2	4901.3	4880.9	4872.4
35°	4908.4	4913.3	4957.7	5030.4	5101.6	5151.0	5157.3	5148.1	5123.5	5093.1	5103.7
37.5°	5060.7	5062.1	5119.9	5215.1	5309.6	5367.5	5398.5	5390.7	5363.9	5342.8	5340.0
40°	5222.2	5230.0	5301.9	5409.8	5540.3	5639.0	5671.4	5671.4	5634.0	5614.3	5591.7
42.5°	5388.6	5393.6	5478.9	5624.2	5783.6	5902.7	5947.9	5945.1	5897.8	5853.4	5846.3
45°	5552.2	5558.6	5657.3	5840.7	6048.7	6196.1	6258.2	6233.5	6153.1	6087.5	6080.5
47.5°	5676.4	5695.4	5815.3	6054.4	6318.8	6496.5	6562.8	6500.1	6366.1	6278.6	6258.2
50°	5750.4	5773.0	5933.1	6237.7	6576.2	6797.0	6842.1	6718.7	6533.9	6404.9	6385.1
52.5°	5733.5	5760.3	5966.9	6359.7	6792.0	7058.6	7062.1	6875.2	6627.7	6457.8	6433.8
55°	5593.1	5624.2	5878.1	6371.0	6927.4	7246.9	7208.8	6950.0	6618.5	6404.9	6368.9
57°	5373.8	5415.4	5698.9	6258.9	6919.7	7308.3	7240.6	6911.9	6511.3	6249.0	6202.5
57.5°	5315.3	5354.1	5634.0	6218.0	6907.0	7307.5	7234.2	6890.8	6466.9	6194.0	6155.2
60°	4879.5	4936.6	5257.5	5883.7	6679.2	7192.6	7092.5	6650.3	6117.8	5781.4	5715.1
62.5°	4366.1	4414.0	4732.8	5396.4	6211.6	6823.8	6737.7	6158.7	5541.0	5164.4	5115.7
65°	3787.1	3803.3	4120.6	4704.6	5529.7	6140.4	6077.6	5440.8	4777.2	4395.7	4339.3
67.5°	3100.2	3156.6	3432.3	3990.2	4722.2	5256.0	5185.5	4517.0	3944.3	3559.3	3537.4
70°	2433.7	2472.5	2710.9	3201.7	3790.6	4133.3	3993.7	3504.3	3041.6	2748.3	2718.6
72.5°	1737.7	1817.4	2055.0	2438.0	2875.9	3050.1	2887.9	2631.9	2252.5	2076.9	2048.7
75°	1153.7	1180.5	1476.0	1785.6	2073.4	2098.8	2024.7	1857.6	1679.1	1519.8	1509.2
77.5°	786.3	811.0	1043.0	1313.1	1442.2	1464.0	1368.1	1320.9	1234.1	1051.5	998.6
80°	508.5	538.1	720.0	959.1	1036.0	1019.1	947.1	918.2	874.5	679.1	626.9
82.5°	331.5	346.3	476.0	647.4	701.7	643.2	586.7	631.2	605.1	421.7	401.3
85°	169.3	176.3	246.1	343.4	379.4	331.5	308.2	371.7	342.0	241.2	220.7
87.5°	39.5	44.4	63.5	89.6	96.6	93.1	93.8	123.4	113.5	86.0	79.0
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)