

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: P395134

Luminaire Tested: **LAS100S-T5**

Issue Date: 5/3/2020

Test Information

Test Method: LM-79-08
Report Number: P395134
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
Description: AREA SITE LARGE HOUSING, TYPE V
Light Source: (288) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33740 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 0.88' x L: 1.29' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

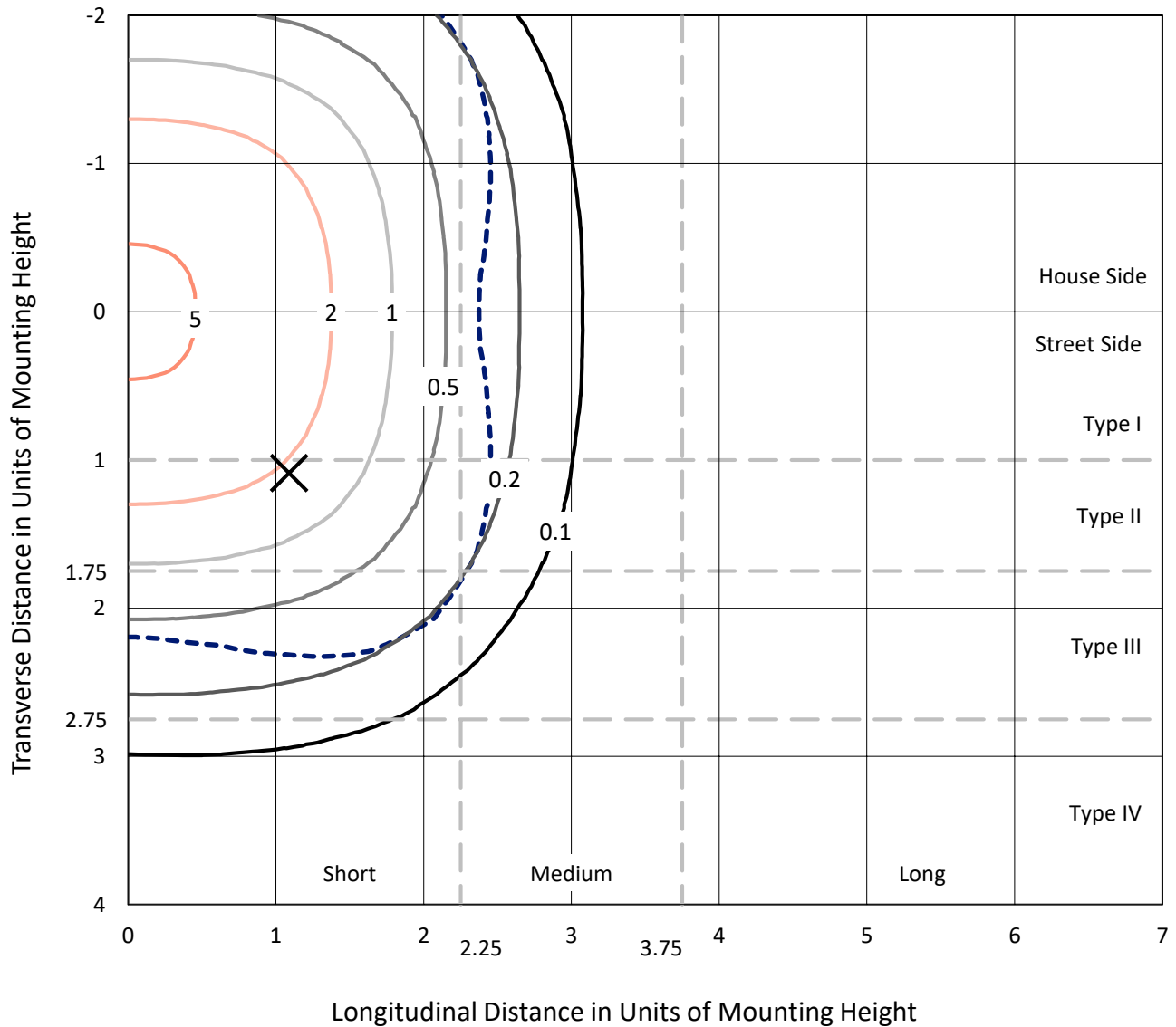
Input Watts (W): 251
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

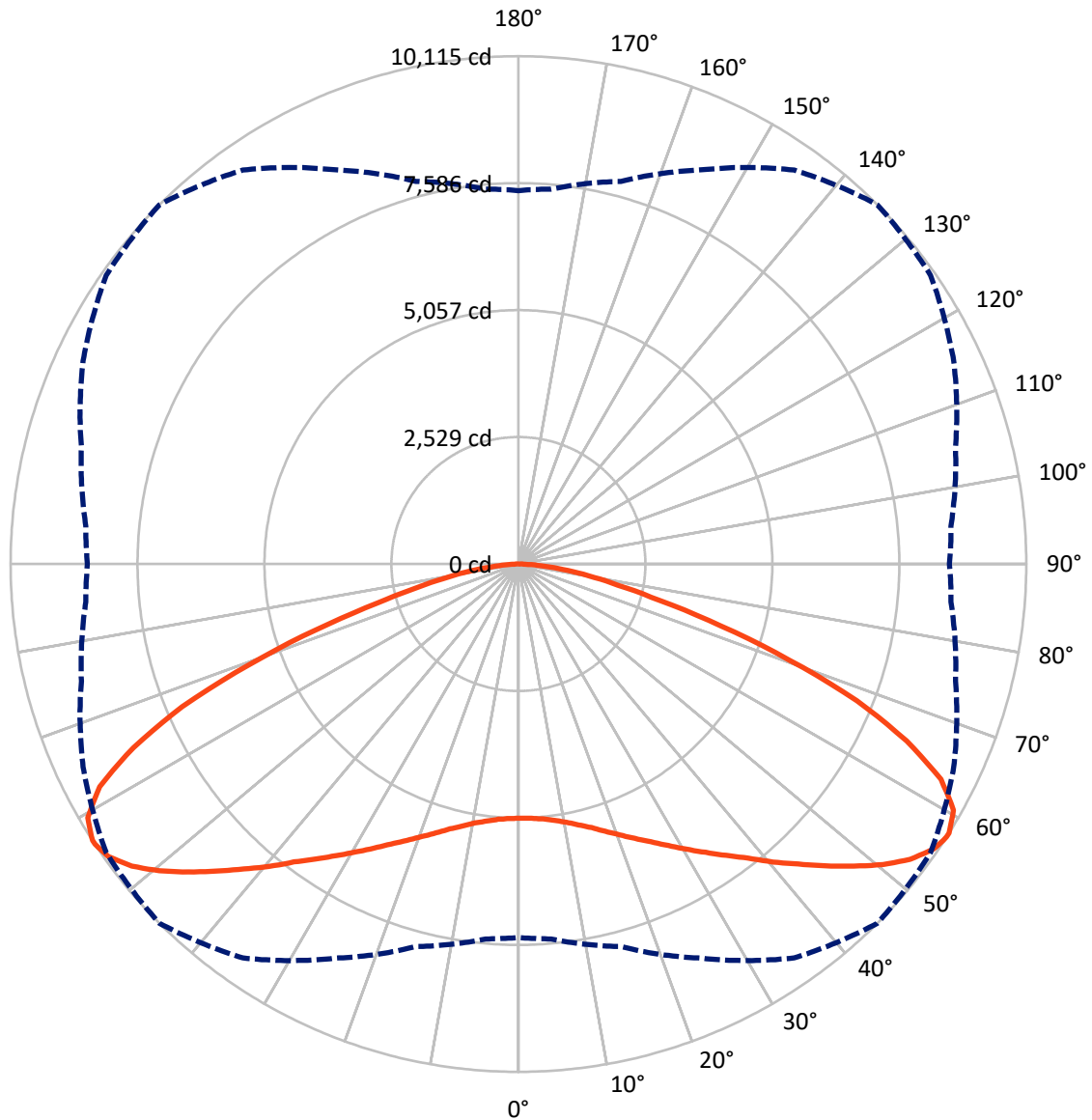
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.6 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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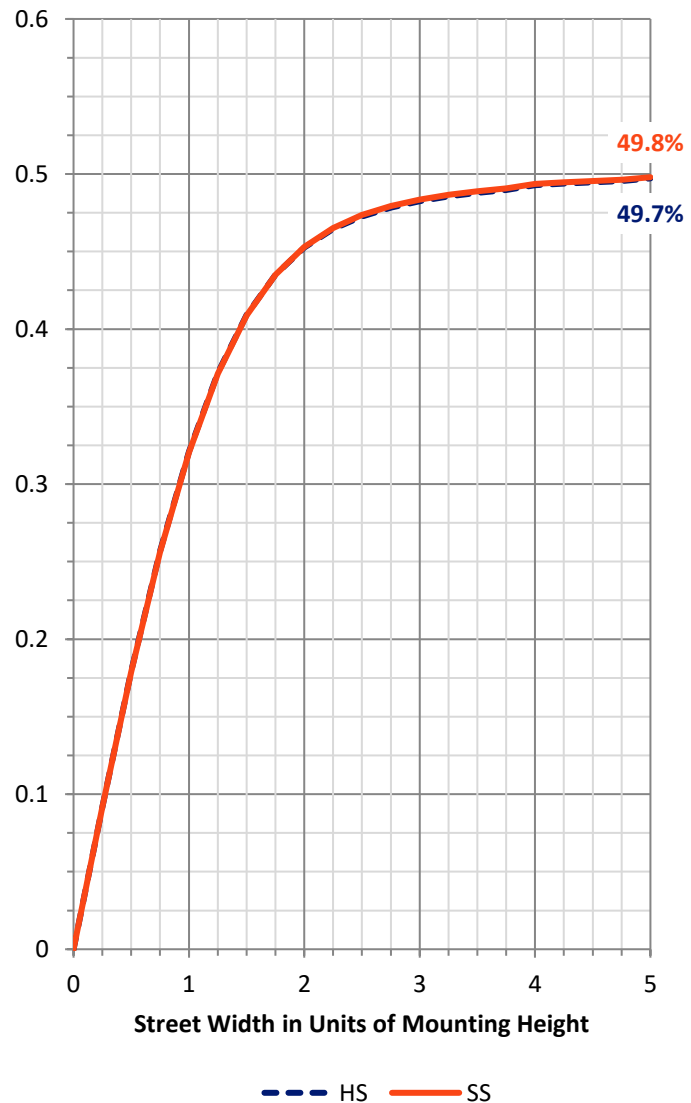
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16870.0	0.0	16870.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16870.0	0.0	16870.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33740.0	0.0	33740.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.1	1.5
10°-20°	1552.4	4.6
20°-30°	2830.9	8.4
30°-40°	4438.3	13.2
40°-50°	6435.3	19.1
50°-60°	8036.9	23.8
60°-70°	6707.8	19.9
70°-80°	2728.0	8.1
80°-90°	519.3	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°	33740.0	100.0
0°-180°	33740.0	100.0



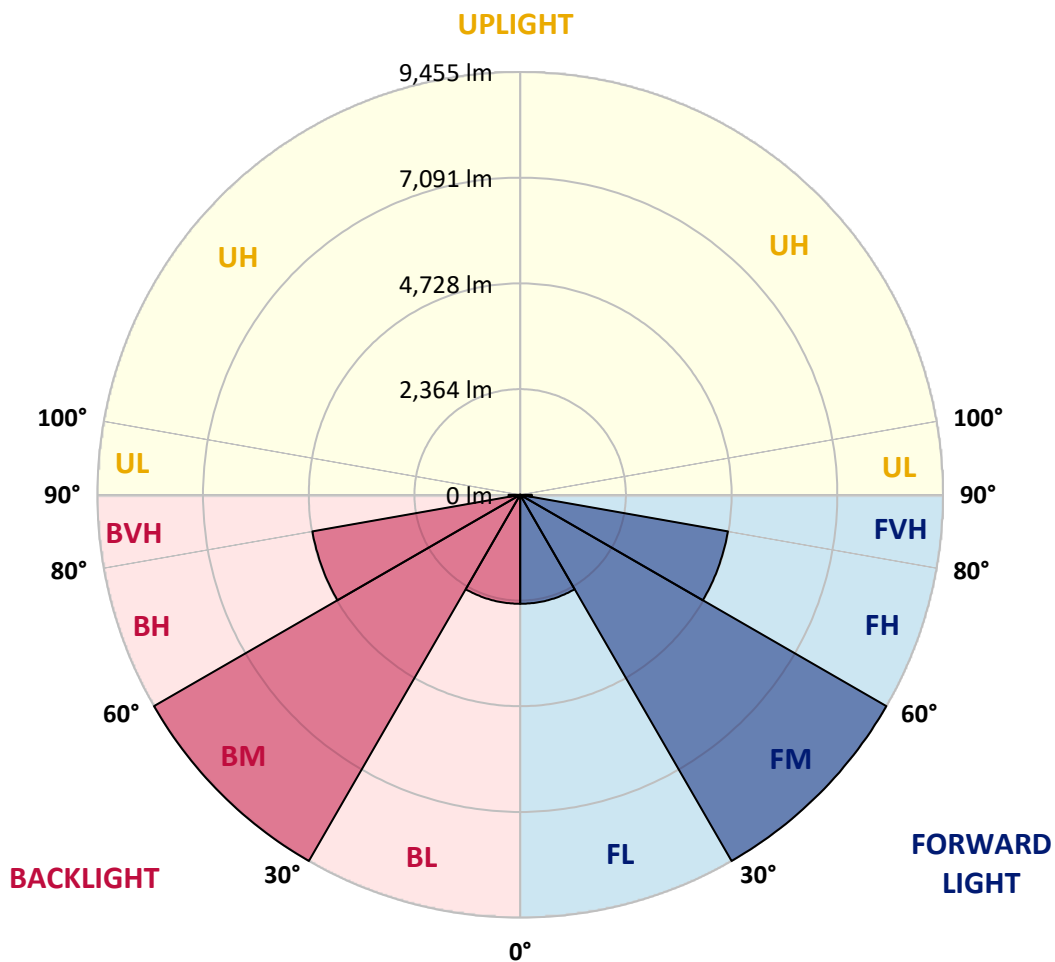
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2437.2	7.2			
FM	(30°-60°)	9455.2	28.0			
FH	(60°-80°)	4717.9	14.0			G2/5000
FVH	(80°-90°)	259.7	0.8			G3/500
BL	(0°-30°)	2437.2	7.2	B3/2500		
BM	(30°-60°)	9455.2	28.0	B5		
BH	(60°-80°)	4717.9	14.0	B4/5000		G2/5000
BVH	(80°-90°)	259.7	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5061.8	5061.8	5061.8	5061.8	5061.8	5061.8	5061.8	5061.8	5061.8	5061.8	5061.8
2.5°	5074.5	5072.6	5074.5	5071.6	5071.6	5070.6	5069.6	5065.7	5067.7	5070.6	5068.7
5°	5107.7	5106.7	5107.7	5104.8	5103.8	5099.9	5099.9	5097.0	5096.0	5099.9	5097.9
7.5°	5159.4	5159.4	5161.4	5159.4	5158.5	5154.6	5150.7	5149.7	5148.7	5150.7	5147.7
10°	5231.7	5232.6	5238.5	5236.5	5235.6	5228.7	5226.8	5223.9	5221.9	5221.9	5222.9
12.5°	5324.4	5328.3	5327.3	5332.2	5334.1	5332.2	5324.4	5313.7	5314.6	5306.8	5306.8
15°	5436.6	5437.6	5442.5	5448.3	5453.2	5447.4	5437.6	5426.9	5421.0	5418.1	5417.1
17.5°	5562.5	5568.4	5571.3	5580.1	5591.8	5597.7	5577.2	5559.6	5546.9	5536.2	5537.2
20°	5699.2	5708.0	5719.7	5733.4	5749.0	5756.8	5740.2	5713.8	5690.4	5678.7	5674.8
22.5°	5855.4	5858.3	5875.9	5902.2	5926.6	5936.4	5920.8	5890.5	5865.1	5849.5	5848.5
25°	6029.1	6026.2	6053.5	6086.7	6124.8	6128.7	6116.0	6086.7	6059.4	6034.0	6032.0
27.5°	6205.8	6206.7	6240.9	6280.9	6327.8	6350.2	6336.6	6312.2	6271.2	6239.9	6237.0
30°	6396.1	6393.2	6438.1	6493.7	6554.2	6591.3	6577.6	6556.2	6511.3	6483.0	6480.0
32.5°	6581.6	6595.2	6640.1	6717.2	6791.4	6846.1	6849.0	6830.4	6783.6	6755.3	6743.6
35°	6793.4	6800.2	6861.7	6962.2	7060.8	7129.1	7137.9	7125.2	7091.1	7049.1	7063.7
37.5°	7004.2	7006.1	7086.2	7217.9	7348.7	7428.8	7471.7	7461.0	7423.9	7394.6	7390.7
40°	7227.7	7238.4	7338.0	7487.3	7667.9	7804.5	7849.4	7849.4	7797.7	7770.4	7739.2
42.5°	7458.0	7464.9	7583.0	7784.1	8004.6	8169.6	8232.1	8228.2	8162.8	8101.3	8091.5
45°	7684.5	7693.3	7829.9	8083.7	8371.6	8575.6	8661.5	8627.4	8516.1	8425.3	8415.6
47.5°	7856.3	7882.6	8048.6	8379.4	8745.5	8991.4	9083.2	8996.3	8810.9	8689.8	8661.5
50°	7958.8	7990.0	8211.6	8633.2	9101.7	9407.2	9469.7	9298.9	9043.2	8864.5	8837.2
52.5°	7935.3	7972.4	8258.4	8802.1	9400.4	9769.4	9774.2	9515.6	9173.0	8937.8	8904.6
55°	7741.1	7784.1	8135.4	8817.7	9587.8	10030.0	9977.3	9619.0	9160.3	8864.5	8814.8
57°	7437.6	7495.1	7887.5	8662.5	9577.1	10114.9	10021.2	9566.3	9011.9	8648.8	8584.4
57.5°	7356.5	7410.2	7797.7	8605.9	9559.5	10113.9	10012.4	9537.0	8950.4	8572.7	8519.0
60°	6753.3	6832.4	7276.5	8143.2	9244.2	9954.8	9816.2	9204.2	8467.3	8001.7	7910.0
62.5°	6042.8	6109.1	6550.3	7468.8	8597.1	9444.3	9325.2	8523.9	7668.9	7147.7	7080.3
65°	5241.4	5263.9	5703.1	6511.3	7653.3	8498.5	8411.7	7530.3	6611.8	6083.8	6005.7
67.5°	4290.7	4368.8	4750.5	5522.5	6535.7	7274.6	7176.9	6251.6	5459.1	4926.2	4895.9
70°	3368.4	3422.1	3752.0	4431.3	5246.3	5720.7	5527.4	4850.0	4209.7	3803.7	3762.7
72.5°	2405.0	2515.3	2844.2	3374.2	3980.4	4221.4	3997.0	3642.6	3117.5	2874.5	2835.4
75°	1596.8	1633.9	2042.9	2471.4	2869.6	2904.7	2802.3	2570.9	2324.0	2103.4	2088.8
77.5°	1088.3	1122.5	1443.6	1817.4	1996.0	2026.3	1893.5	1828.2	1708.1	1455.3	1382.1
80°	703.7	744.7	996.6	1327.4	1433.8	1410.4	1310.8	1270.8	1210.3	939.9	867.7
82.5°	458.7	479.2	658.8	896.0	971.2	890.2	812.1	873.6	837.5	583.7	555.4
85°	234.3	244.0	340.6	475.3	525.1	458.7	426.5	514.4	473.4	333.8	305.5
87.5°	54.7	61.5	87.8	124.0	133.7	128.8	129.8	170.8	157.1	119.1	109.3
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)