

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: P395143

Luminaire Tested: **LAS100S-T5-Switch-9**

Issue Date: 5/3/2020

Test Information

Test Method: LM-79-08
Report Number: P395143
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-9
Description: AREA SITE LARGE HOUSING, TYPE V, WATTAGE SWITCH ON POSTION 9
Light Source: (288) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8231 lumens
Efficiency: N/A
Efficacy: 171.5 lumens/watt
Luminous Opening: Rectangular (W 0.88' x L: 1.29' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

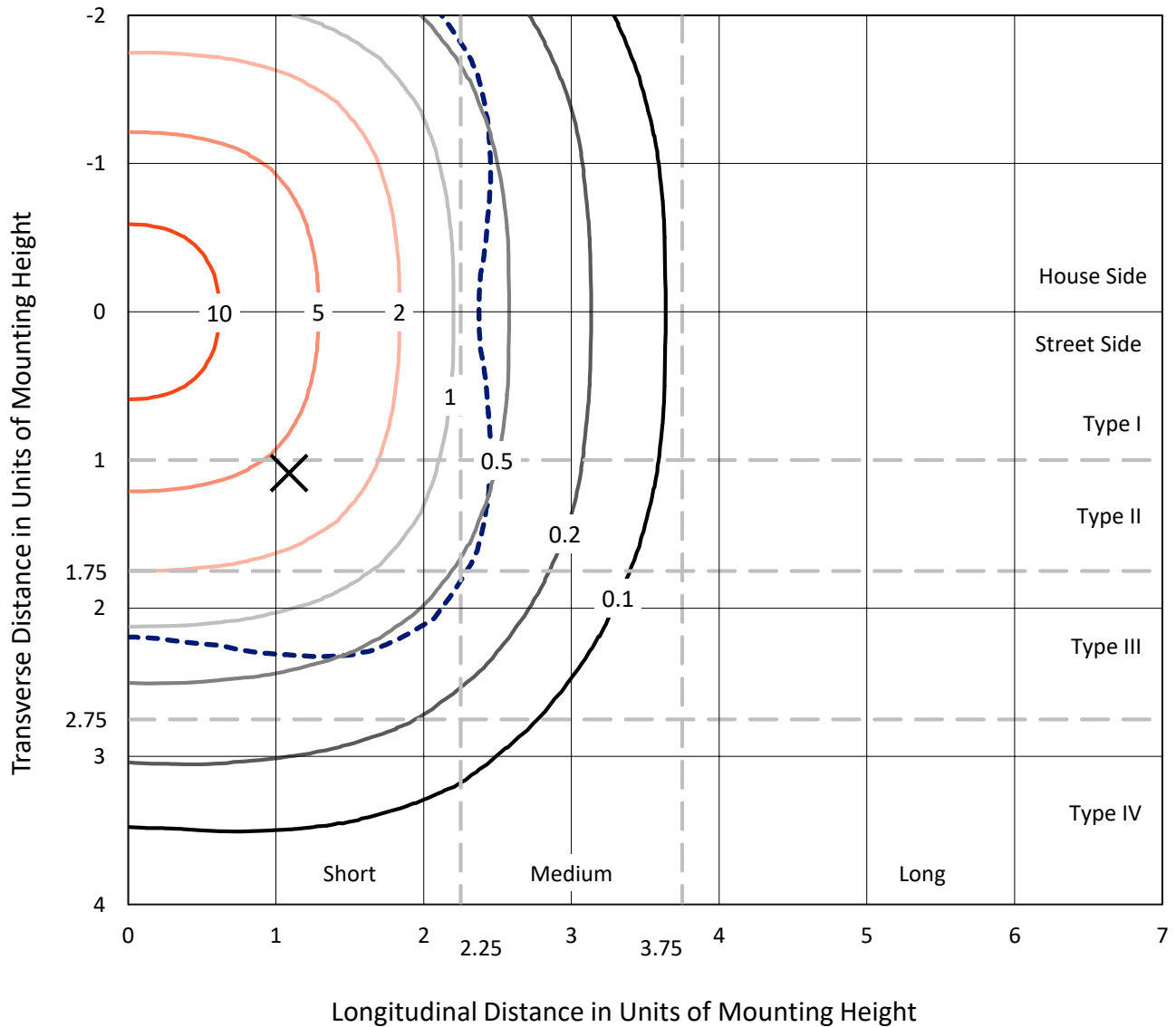
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P395143
 CATALOG NUMBER: LAS100S-T5-Switch-9

Iso-Footcandle Lines of Horizontal Illumination

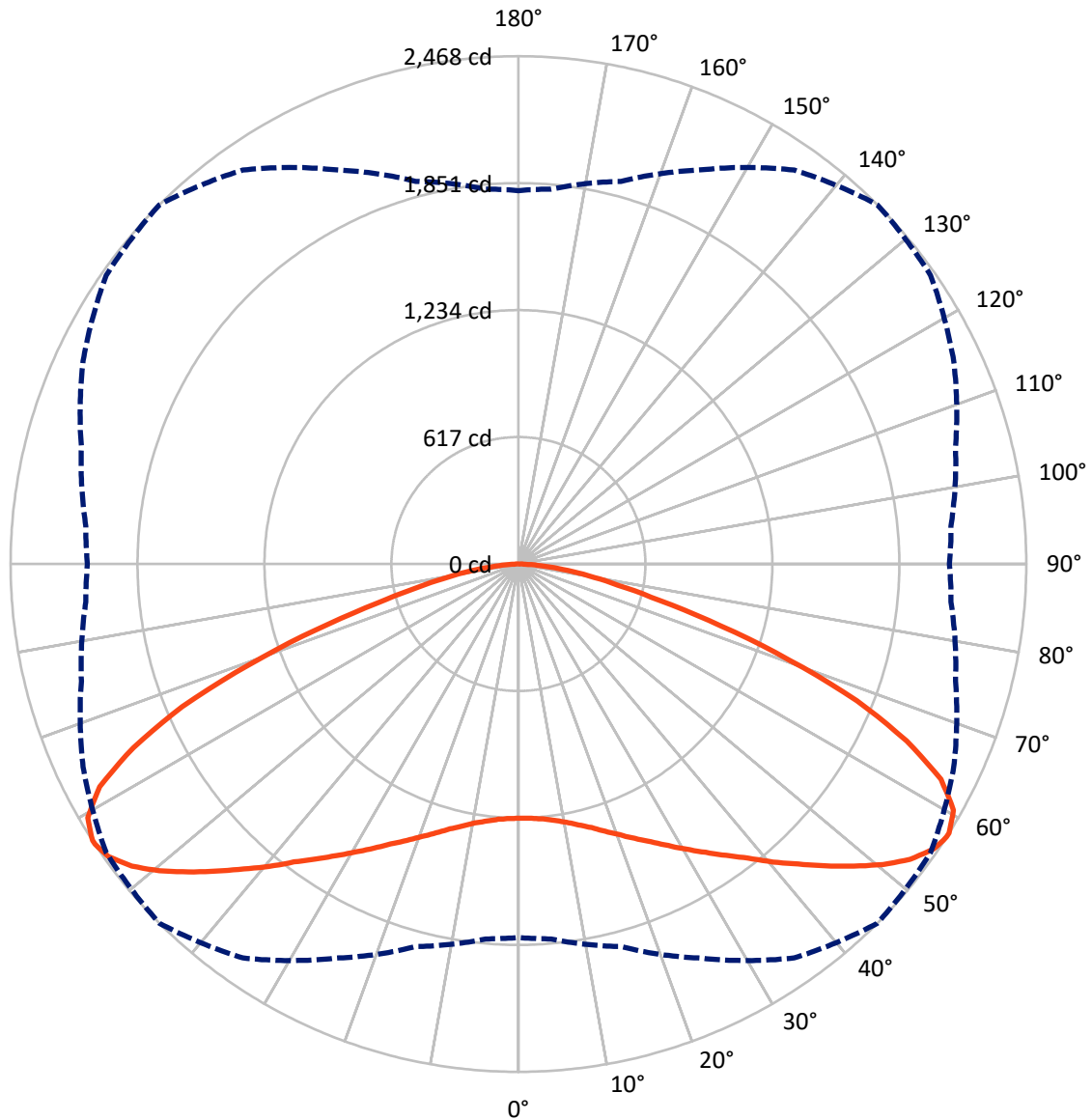
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P395143
CATALOG NUMBER: LAS100S-T5-Switch-9

Luminous Intensity Polar Plot



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

REPORT NUMBER: P395143

CATALOG NUMBER: LAS100S-T5-Switch-9

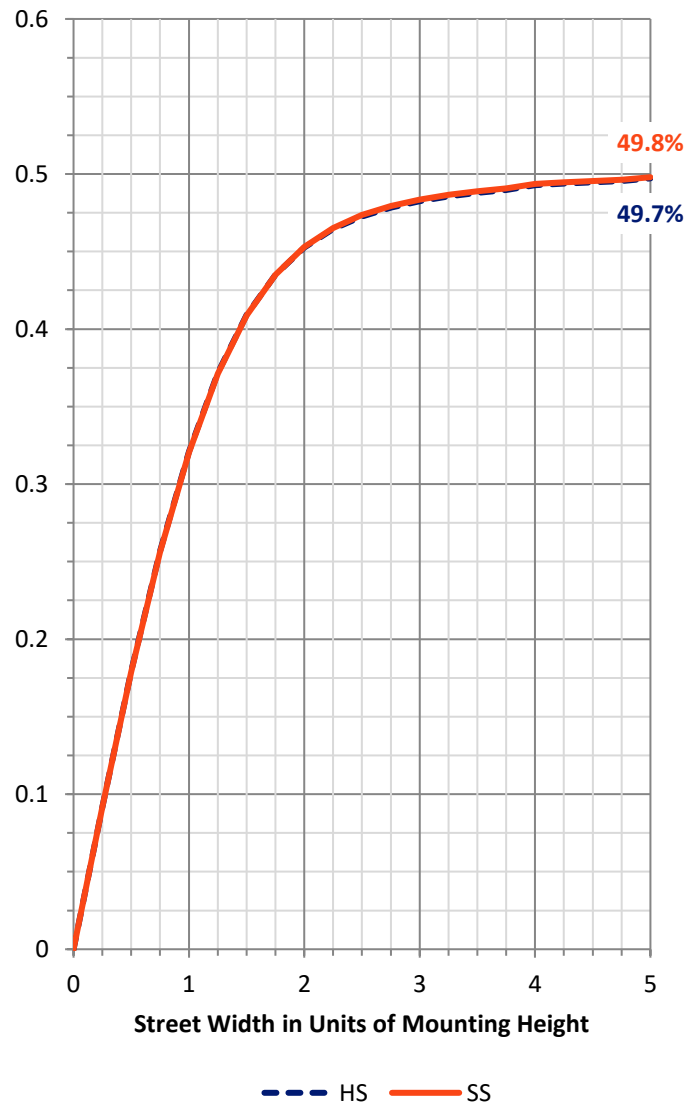
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4115.5	0.0	4115.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4115.5	0.0	4115.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8231.0	0.0	8231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	1.5
10°-20°	378.7	4.6
20°-30°	690.6	8.4
30°-40°	1082.7	13.2
40°-50°	1569.9	19.1
50°-60°	1960.6	23.8
60°-70°	1636.4	19.9
70°-80°	665.5	8.1
80°-90°	126.7	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°	8231.0	100.0
0°-180°	8231.0	100.0

Coefficient of Utilization



REPORT NUMBER: P395143

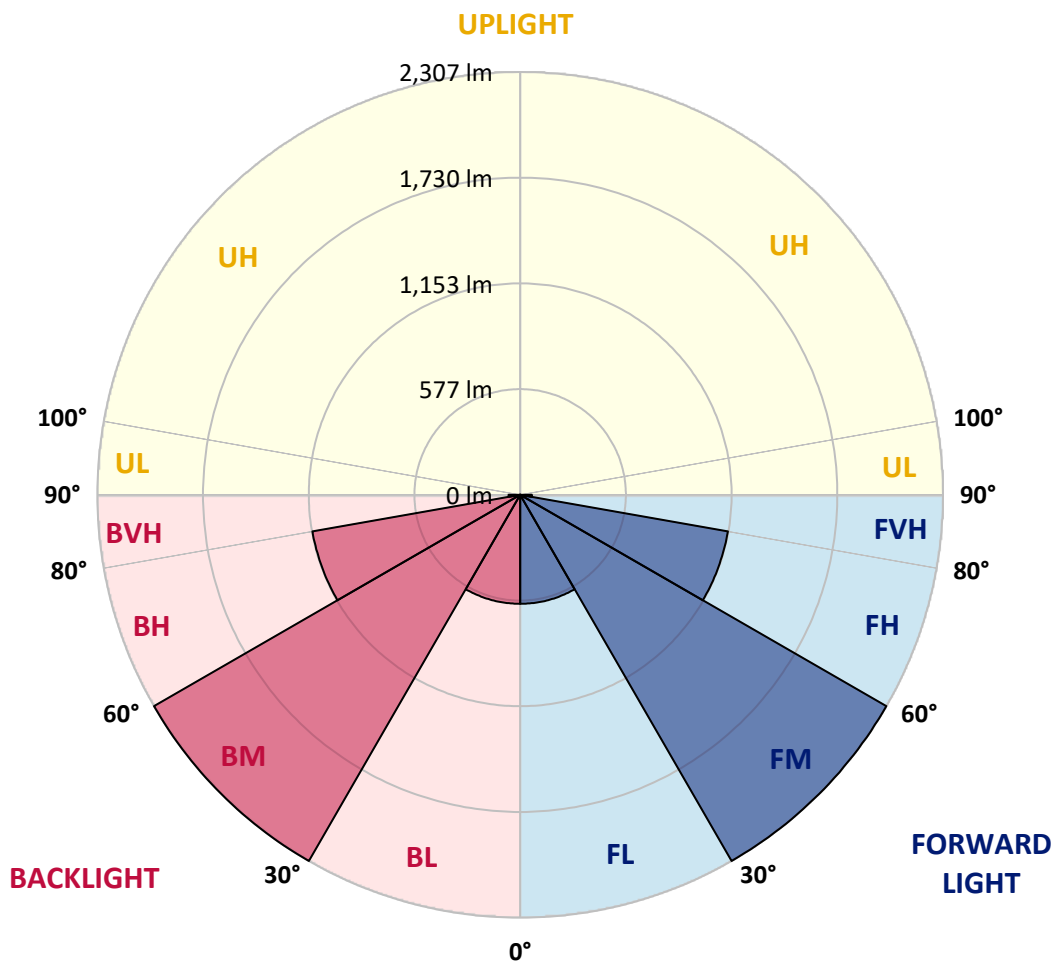
CATALOG NUMBER: LAS100S-T5-Switch-9

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	594.6	7.2			
FM	(30°-60°)	2306.6	28.0			
FH	(60°-80°)	1151.0	14.0			G1/1800
FVH	(80°-90°)	63.3	0.8			G1/100
BL	(0°-30°)	594.6	7.2	B2/1000		
BM	(30°-60°)	2306.6	28.0	B2/2500		
BH	(60°-80°)	1151.0	14.0	B3/2500		G1/1800
BVH	(80°-90°)	63.3	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P395143

CATALOG NUMBER: LAS100S-T5-Switch-9

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1237.9	1237.5	1237.9	1237.2	1237.2	1237.0	1236.8	1235.8	1236.3	1237.0	1236.5
5°	1246.0	1245.8	1246.0	1245.3	1245.1	1244.1	1244.1	1243.4	1243.2	1244.1	1243.7
7.5°	1258.7	1258.7	1259.1	1258.7	1258.4	1257.5	1256.5	1256.3	1256.0	1256.5	1255.8
10°	1276.3	1276.5	1278.0	1277.5	1277.2	1275.6	1275.1	1274.4	1273.9	1273.9	1274.1
12.5°	1298.9	1299.9	1299.6	1300.8	1301.3	1300.8	1298.9	1296.3	1296.5	1294.6	1294.6
15°	1326.3	1326.5	1327.7	1329.1	1330.3	1328.9	1326.5	1323.9	1322.5	1321.8	1321.5
17.5°	1357.0	1358.4	1359.1	1361.3	1364.1	1365.6	1360.6	1356.3	1353.2	1350.6	1350.8
20°	1390.3	1392.5	1395.3	1398.7	1402.5	1404.4	1400.3	1393.9	1388.2	1385.3	1384.4
22.5°	1428.4	1429.2	1433.4	1439.9	1445.8	1448.2	1444.4	1437.0	1430.8	1427.0	1426.8
25°	1470.8	1470.1	1476.8	1484.9	1494.2	1495.1	1492.0	1484.9	1478.2	1472.0	1471.5
27.5°	1513.9	1514.2	1522.5	1532.3	1543.7	1549.2	1545.8	1539.9	1529.9	1522.3	1521.5
30°	1560.4	1559.6	1570.6	1584.2	1598.9	1608.0	1604.6	1599.4	1588.4	1581.5	1580.8
32.5°	1605.6	1608.9	1619.9	1638.7	1656.8	1670.1	1670.8	1666.3	1654.9	1648.0	1645.1
35°	1657.3	1658.9	1673.9	1698.5	1722.5	1739.2	1741.3	1738.2	1729.9	1719.6	1723.2
37.5°	1708.7	1709.2	1728.7	1760.8	1792.8	1812.3	1822.8	1820.1	1811.1	1803.9	1803.0
40°	1763.2	1765.8	1790.1	1826.6	1870.6	1903.9	1914.9	1914.9	1902.3	1895.6	1888.0
42.5°	1819.4	1821.1	1849.9	1898.9	1952.8	1993.0	2008.2	2007.3	1991.3	1976.3	1974.0
45°	1874.7	1876.8	1910.1	1972.0	2042.3	2092.1	2113.0	2104.7	2077.5	2055.4	2053.0
47.5°	1916.6	1923.0	1963.5	2044.2	2133.5	2193.5	2215.9	2194.7	2149.4	2119.9	2113.0
50°	1941.6	1949.2	2003.2	2106.1	2220.4	2294.9	2310.2	2268.5	2206.1	2162.5	2155.9
52.5°	1935.9	1944.9	2014.7	2147.3	2293.3	2383.3	2384.5	2321.4	2237.8	2180.4	2172.3
55°	1888.5	1898.9	1984.7	2151.1	2339.0	2446.8	2434.0	2346.6	2234.7	2162.5	2150.4
57°	1814.4	1828.5	1924.2	2113.3	2336.4	2467.6	2444.7	2333.7	2198.5	2109.9	2094.2
57.5°	1794.7	1807.8	1902.3	2099.4	2332.1	2467.3	2442.6	2326.6	2183.5	2091.3	2078.2
60°	1647.5	1666.8	1775.1	1986.6	2255.2	2428.5	2394.7	2245.4	2065.6	1952.0	1929.7
62.5°	1474.2	1490.3	1598.0	1822.0	2097.3	2304.0	2274.9	2079.4	1870.9	1743.7	1727.3
65°	1278.7	1284.1	1391.3	1588.4	1867.0	2073.2	2052.1	1837.0	1613.0	1484.2	1465.1
67.5°	1046.7	1065.8	1158.9	1347.2	1594.4	1774.7	1750.8	1525.1	1331.8	1201.8	1194.4
70°	821.7	834.8	915.3	1081.0	1279.9	1395.6	1348.4	1183.2	1027.0	927.9	917.9
72.5°	586.7	613.6	693.9	823.2	971.0	1029.8	975.1	888.6	760.5	701.2	691.7
75°	389.6	398.6	498.4	602.9	700.1	708.6	683.6	627.2	566.9	513.1	509.6
77.5°	265.5	273.8	352.2	443.4	486.9	494.3	461.9	446.0	416.7	355.0	337.2
80°	171.7	181.7	243.1	323.8	349.8	344.1	319.8	310.0	295.3	229.3	211.7
82.5°	111.9	116.9	160.7	218.6	236.9	217.2	198.1	213.1	204.3	142.4	135.5
85°	57.1	59.5	83.1	116.0	128.1	111.9	104.1	125.5	115.5	81.4	74.5
87.5°	13.3	15.0	21.4	30.2	32.6	31.4	31.7	41.7	38.3	29.0	26.7
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)