

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: McGRAW-EDISON

Report Number: P527787

Luminaire Tested: **GALN-SA2D-750-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2D-750-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10053 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

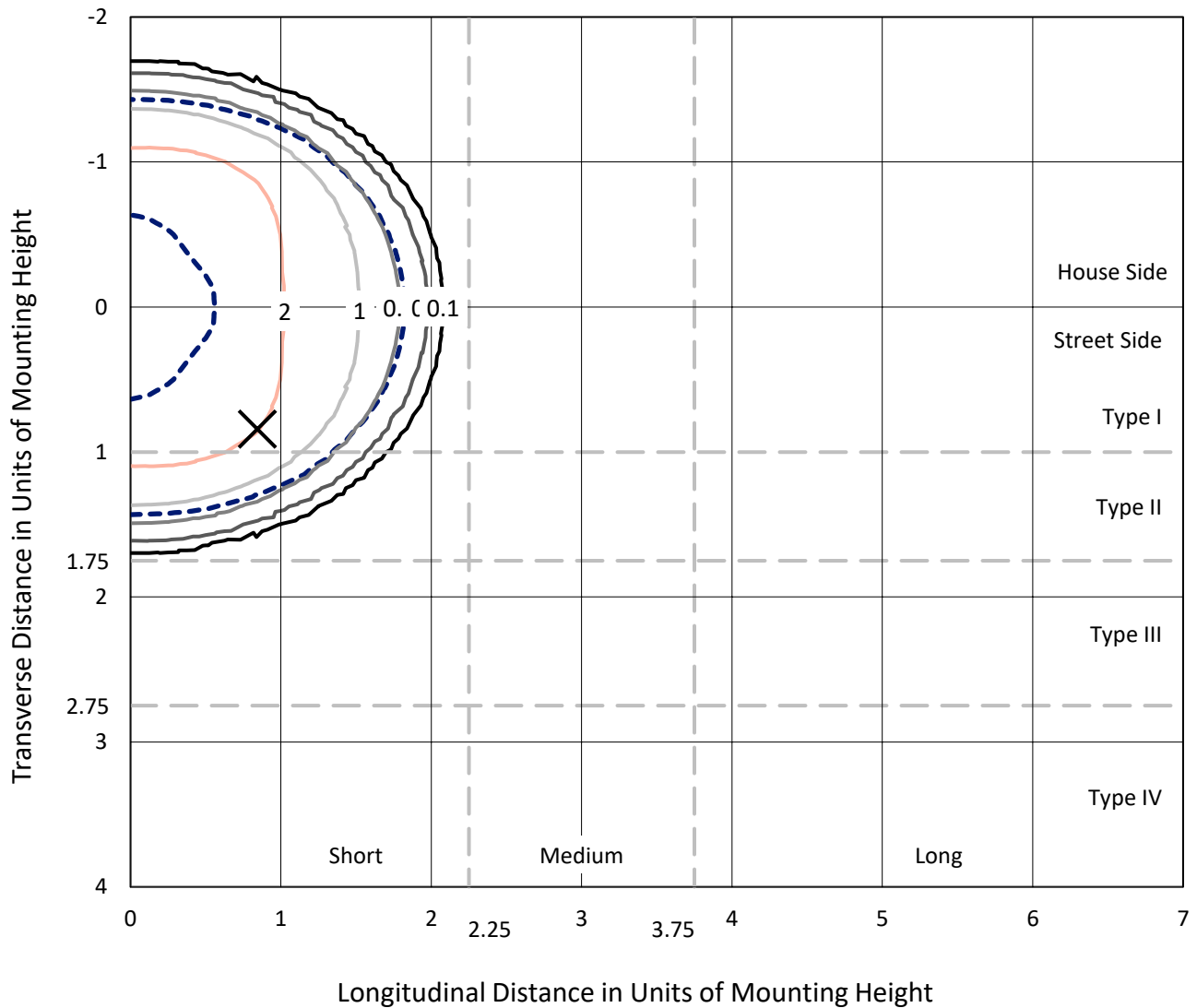
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

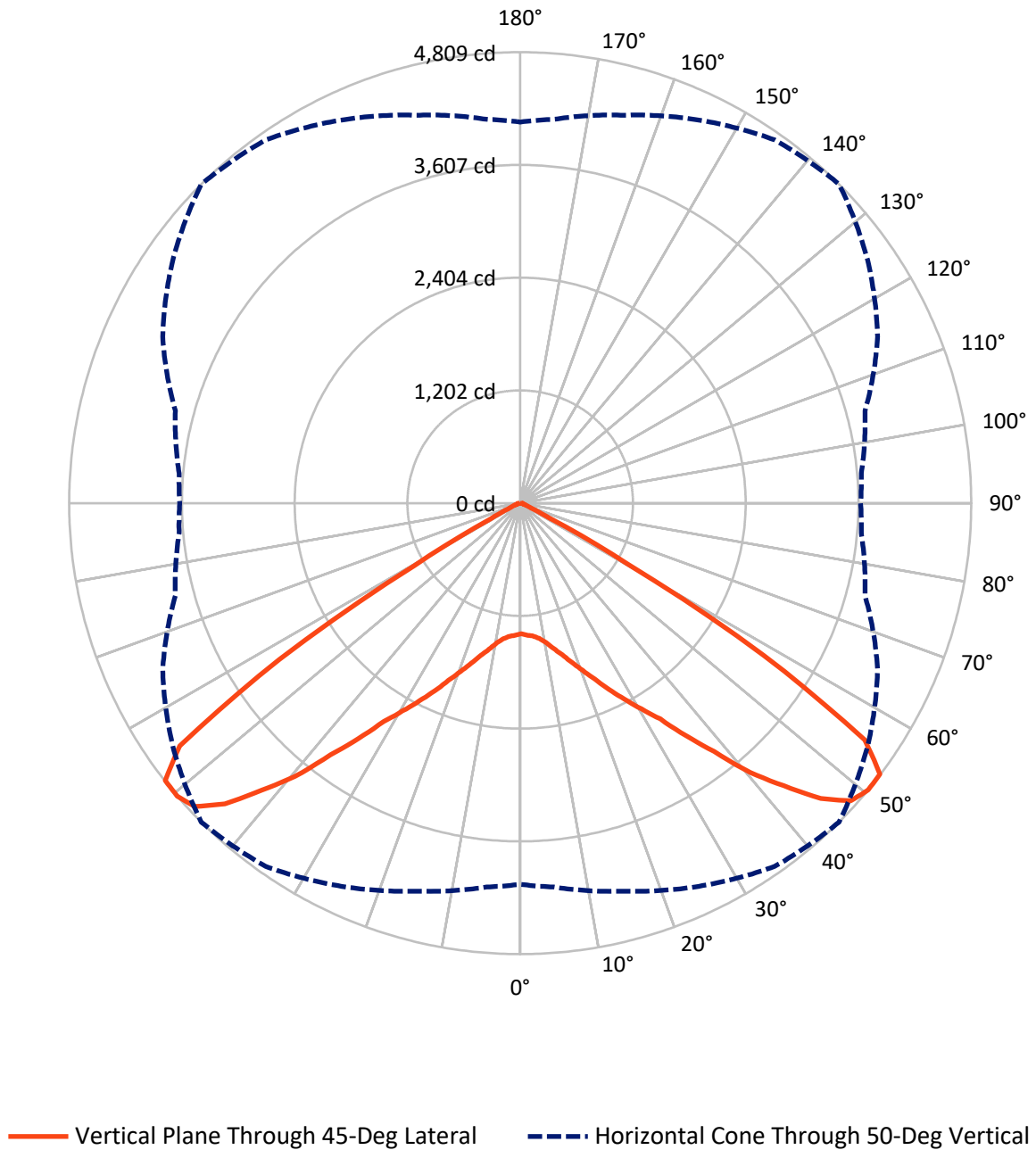
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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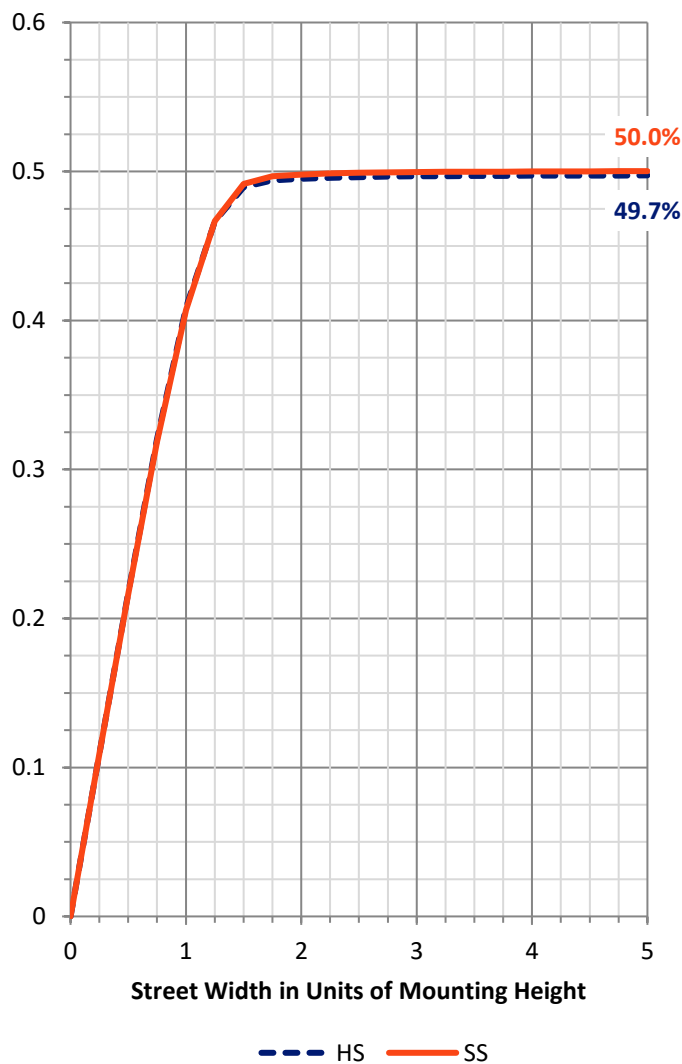
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5026.5	0.0	5026.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5026.5	0.0	5026.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10053.0	0.0	10053.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	1.4
10°-20°	477.9	4.8
20°-30°	976.0	9.7
30°-40°	1861.3	18.5
40°-50°	3136.6	31.2
50°-60°	2991.3	29.8
60°-70°	417.6	4.2
70°-80°	39.9	0.4
80°-90°	13.8	0.1
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°	10053.0	100.0
0°-180°	10053.0	100.0

Coefficient of Utilization



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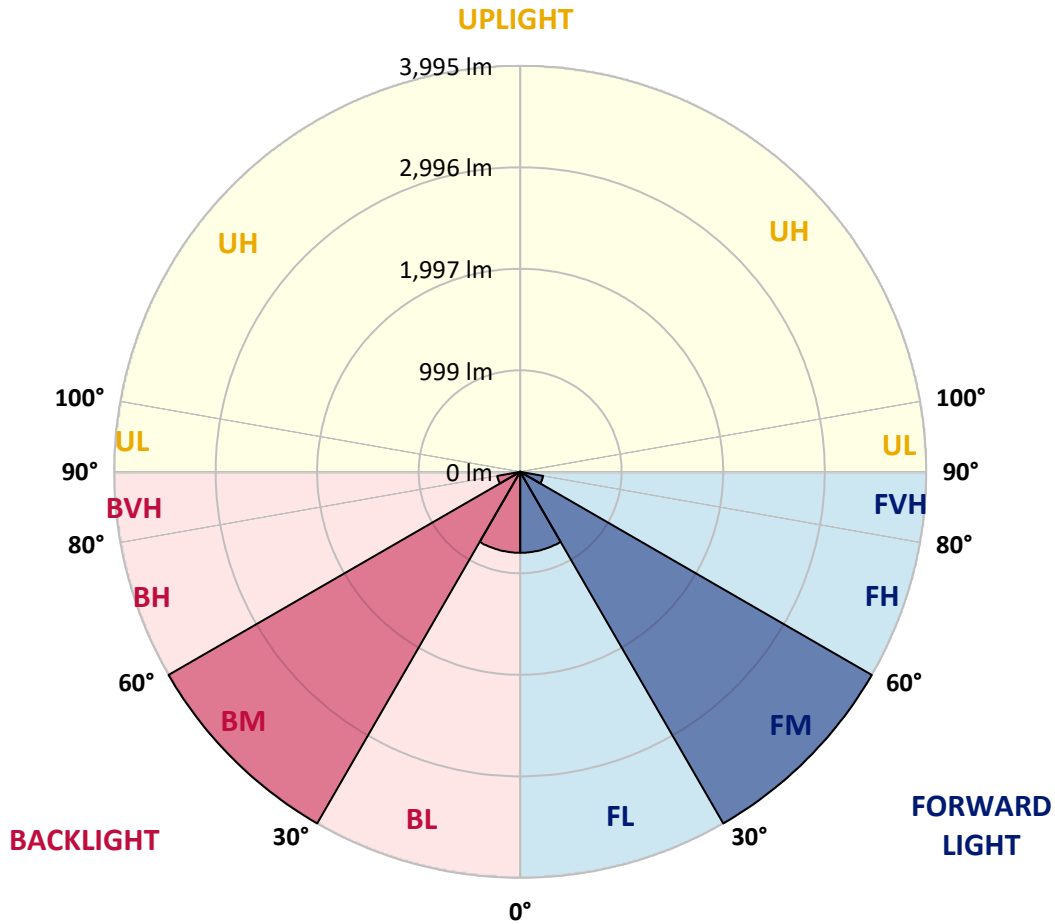
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	796.3	7.9			
FM (30°-60°)	3994.6	39.7			
FH (60°-80°)	228.7	2.3			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	796.3	7.9	B2/1000		
BM (30°-60°)	3994.6	39.7	B3/5000		
BH (60°-80°)	228.7	2.3	B1/500		G0/660
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1393.7	1393.7	1393.7	1393.7	1393.7	1393.7	1393.7	1393.7	1393.7	1393.7	1393.7
2.5°	1388.7	1388.7	1387.0	1400.5	1393.7	1409.0	1407.3	1412.3	1417.4	1415.7	1429.3
5°	1376.8	1375.1	1375.1	1390.4	1405.6	1422.5	1437.7	1447.9	1464.8	1464.8	1481.7
7.5°	1388.7	1380.2	1392.0	1398.8	1427.6	1456.3	1481.7	1502.0	1540.9	1554.4	1549.3
10°	1392.0	1402.2	1410.7	1430.9	1466.5	1510.4	1532.4	1583.2	1627.2	1657.6	1664.4
12.5°	1414.0	1429.3	1452.9	1502.0	1534.1	1591.6	1622.1	1671.1	1732.0	1765.9	1789.5
15°	1456.3	1461.4	1491.8	1554.4	1623.8	1676.2	1723.6	1759.1	1818.3	1857.2	1858.9
17.5°	1510.4	1532.4	1574.7	1633.9	1706.7	1784.5	1821.7	1860.6	1882.6	1935.0	1946.8
20°	1618.7	1622.1	1662.7	1740.5	1831.8	1902.9	1929.9	1950.2	1941.8	1995.9	2006.0
22.5°	1720.2	1723.6	1774.3	1879.2	1977.3	2038.2	2050.0	2038.2	2012.8	2051.7	2055.1
25°	1823.4	1853.8	1891.0	1995.9	2117.7	2198.9	2200.5	2168.4	2116.0	2122.7	2139.7
27.5°	1984.0	2006.0	2044.9	2141.3	2275.0	2366.3	2351.1	2312.2	2244.5	2249.6	2244.5
30°	2171.8	2192.1	2224.2	2347.7	2445.8	2545.6	2567.6	2530.4	2428.9	2406.9	2432.3
32.5°	2398.4	2427.2	2486.4	2599.7	2682.6	2743.5	2758.7	2745.2	2650.5	2642.0	2658.9
35°	2674.1	2713.1	2767.2	2867.0	2934.6	3044.6	3044.6	2998.9	2912.6	2922.8	2921.1
37.5°	2965.1	3022.6	3107.2	3208.6	3300.0	3359.2	3340.6	3301.7	3215.4	3193.4	3215.4
40°	3330.4	3359.2	3465.7	3597.7	3709.3	3777.0	3697.5	3612.9	3406.5	3438.7	3497.9
42.5°	3663.6	3709.3	3790.5	3936.0	4062.8	4118.6	4023.9	3856.5	3607.8	3582.4	3626.4
45°	3947.8	3996.8	4103.4	4311.5	4445.1	4494.1	4284.4	4013.8	3729.6	3665.3	3683.9
47.5°	4137.2	4162.6	4311.5	4509.4	4631.1	4742.8	4441.7	4122.0	3787.1	3665.3	3658.6
50°	4064.5	4108.5	4282.7	4507.7	4729.2	4808.7	4521.2	4204.9	3805.7	3650.1	3629.8
52.5°	3609.5	3685.6	3880.1	4182.9	4517.8	4802.0	4631.1	4177.8	3799.0	3665.3	3695.8
55°	2511.8	2513.5	2750.3	3196.8	3788.8	4458.6	4470.4	4208.3	3842.9	3760.0	3761.7
57.5°	1009.8	1060.5	1241.5	1689.7	2236.1	3061.5	3640.0	3903.8	3848.0	3827.7	3880.1
60°	255.4	257.1	312.9	477.0	786.5	1312.5	1906.2	2579.4	2970.2	3103.8	3122.4
62.5°	130.2	131.9	145.5	169.1	214.8	351.8	625.8	992.9	1412.3	1625.5	1681.3
65°	106.6	106.6	115.0	126.9	128.5	135.3	162.4	231.7	336.6	382.3	387.3
67.5°	81.2	81.2	88.0	94.7	98.1	96.4	93.0	96.4	116.7	111.6	108.3
70°	50.7	52.4	55.8	62.6	66.0	67.7	69.3	72.7	82.9	86.3	82.9
72.5°	30.4	30.4	32.1	37.2	42.3	45.7	50.7	54.1	59.2	67.7	66.0
75°	13.5	13.5	16.9	22.0	27.1	32.1	37.2	42.3	45.7	50.7	52.4
77.5°	3.4	5.1	8.5	15.2	20.3	27.1	33.8	38.9	42.3	42.3	40.6
80°	1.7	1.7	6.8	11.8	22.0	28.8	37.2	40.6	45.7	42.3	37.2
82.5°	1.7	1.7	6.8	11.8	20.3	28.8	38.9	44.0	47.4	42.3	35.5
85°	0.0	1.7	5.1	10.1	16.9	20.3	16.9	11.8	6.8	6.8	5.1
87.5°	0.0	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)