

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: P527709

Luminaire Tested: **GALN-SA2D-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527709
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-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 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: 9156 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

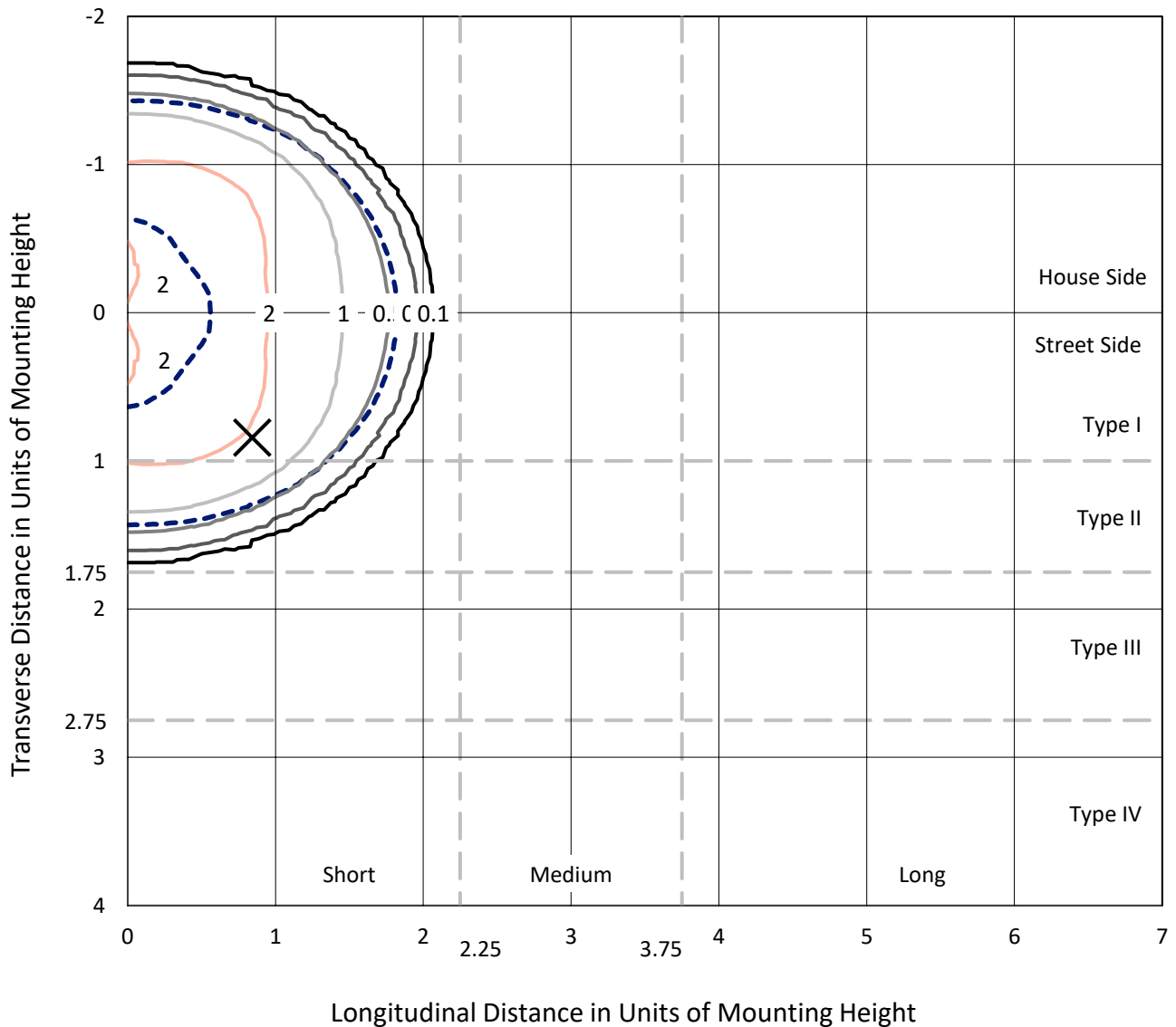
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

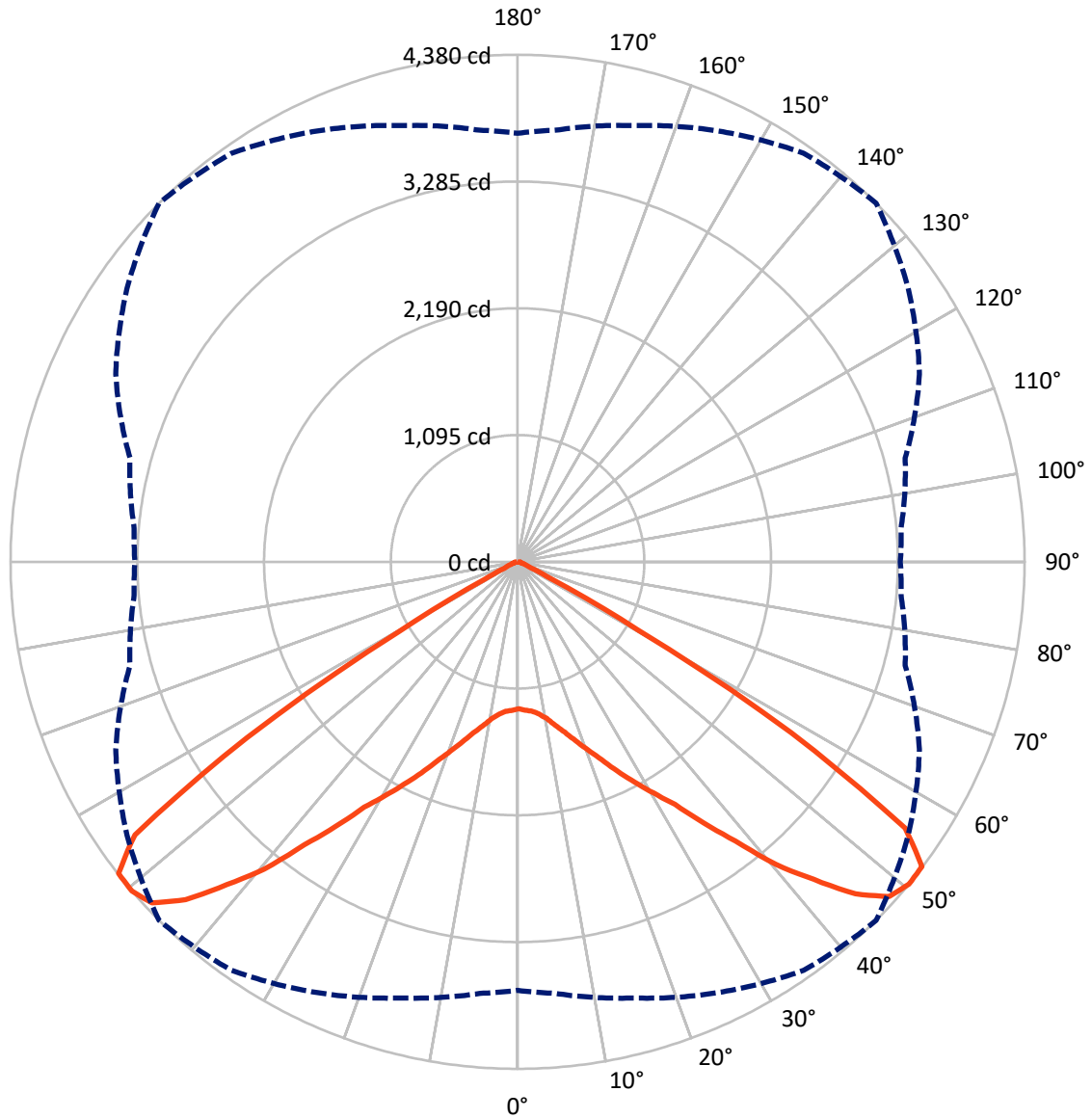
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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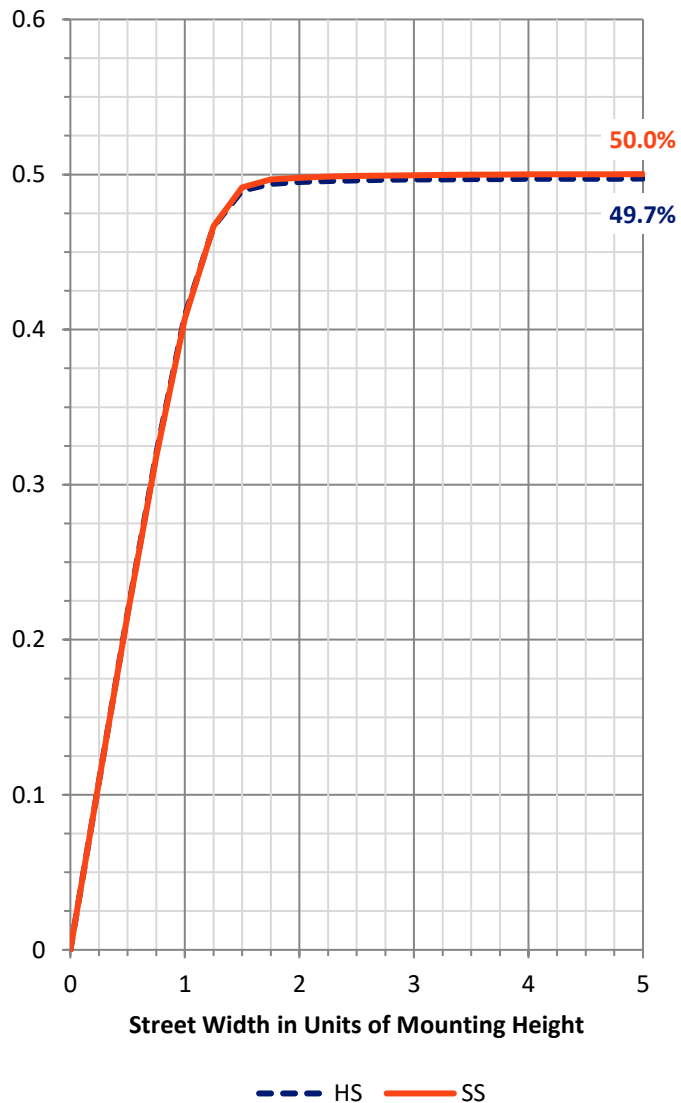
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4578.0	0.0	4578.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4578.0	0.0	4578.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9156.0	0.0	9156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	1.4
10°-20°	435.2	4.8
20°-30°	889.0	9.7
30°-40°	1695.2	18.5
40°-50°	2856.7	31.2
50°-60°	2724.4	29.8
60°-70°	380.3	4.2
70°-80°	36.4	0.4
80°-90°	12.6	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°	9156.0	100.0
0°-180°	9156.0	100.0

Coefficient of Utilization



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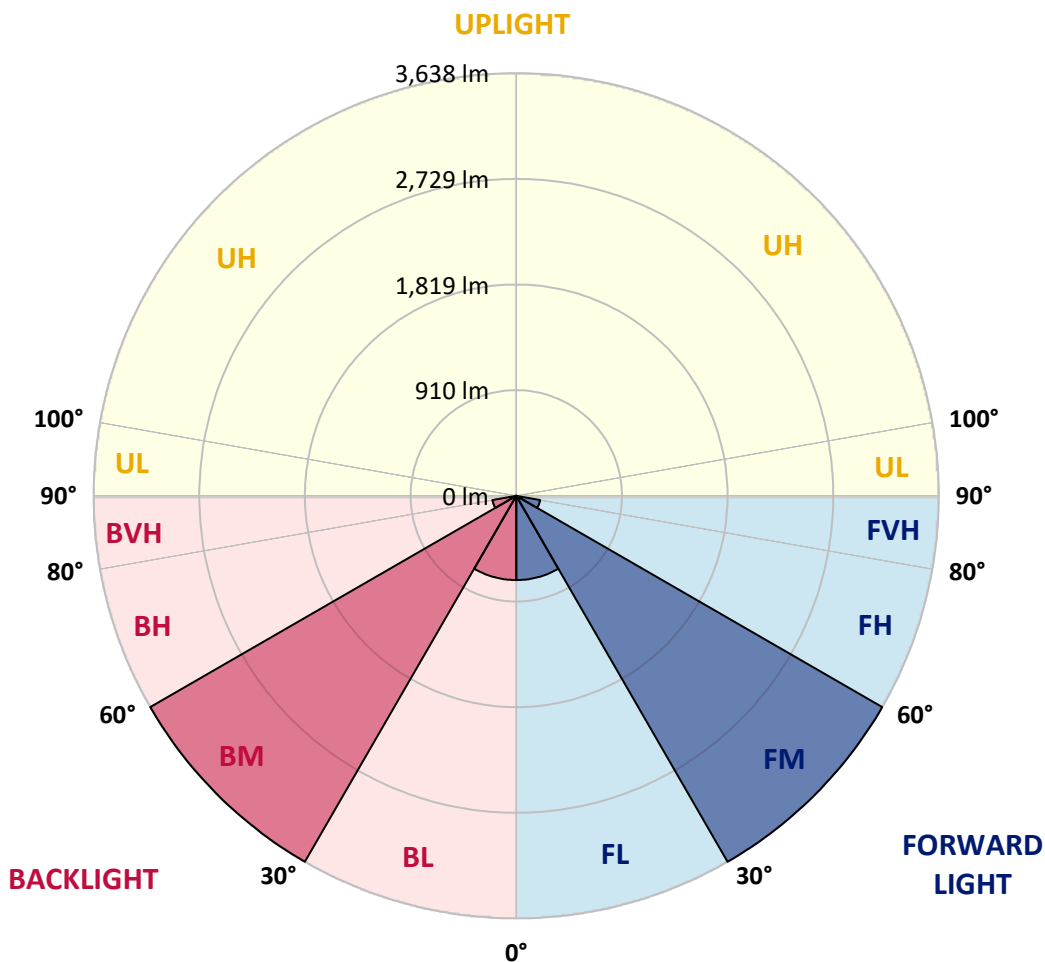
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.2	7.9			
FM (30°-60°)	3638.1	39.7			
FH (60°-80°)	208.3	2.3			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	725.2	7.9	B2/1000		
BM (30°-60°)	3638.1	39.7	B3/5000		
BH (60°-80°)	208.3	2.3	B1/500		G0/660
BVH (80°-90°)	6.3	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°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1264.8	1264.8	1263.2	1275.5	1269.4	1283.2	1281.7	1286.3	1290.9	1289.4	1301.7
5°	1254.0	1252.4	1252.4	1266.3	1280.2	1295.6	1309.4	1318.7	1334.1	1334.1	1349.5
7.5°	1264.8	1257.1	1267.8	1274.0	1300.2	1326.4	1349.5	1368.0	1403.4	1415.7	1411.1
10°	1267.8	1277.1	1284.8	1303.3	1335.6	1375.7	1395.7	1441.9	1482.0	1509.7	1515.9
12.5°	1287.9	1301.7	1323.3	1368.0	1397.2	1449.6	1477.3	1522.0	1577.5	1608.3	1629.9
15°	1326.4	1331.0	1358.7	1415.7	1478.9	1526.6	1569.8	1602.1	1656.0	1691.5	1693.0
17.5°	1375.7	1395.7	1434.2	1488.1	1554.4	1625.2	1659.1	1694.6	1714.6	1762.3	1773.1
20°	1474.3	1477.3	1514.3	1585.2	1668.4	1733.1	1757.7	1776.2	1768.5	1817.8	1827.0
22.5°	1566.7	1569.8	1616.0	1711.5	1800.9	1856.3	1867.1	1856.3	1833.2	1868.6	1871.7
25°	1660.7	1688.4	1722.3	1817.8	1928.7	2002.7	2004.2	1974.9	1927.2	1933.3	1948.7
27.5°	1807.0	1827.0	1862.5	1950.3	2072.0	2155.2	2141.3	2105.9	2044.3	2048.9	2044.3
30°	1978.0	1996.5	2025.8	2138.2	2227.6	2318.5	2338.5	2304.6	2212.2	2192.1	2215.3
32.5°	2184.4	2210.6	2264.5	2367.8	2443.2	2498.7	2512.6	2500.2	2414.0	2406.3	2421.7
35°	2435.5	2471.0	2520.3	2611.2	2672.8	2772.9	2772.9	2731.3	2652.8	2662.0	2660.5
37.5°	2700.5	2752.9	2829.9	2922.3	3005.5	3059.4	3042.5	3007.1	2928.5	2908.5	2928.5
40°	3033.3	3059.4	3156.5	3276.7	3378.3	3440.0	3367.6	3290.5	3102.6	3131.9	3185.8
42.5°	3336.7	3378.3	3452.3	3584.8	3700.3	3751.1	3664.9	3512.4	3285.9	3262.8	3302.8
45°	3595.5	3640.2	3737.3	3926.8	4048.5	4093.1	3902.1	3655.6	3396.8	3338.3	3355.2
47.5°	3768.1	3791.2	3926.8	4107.0	4217.9	4319.6	4045.4	3754.2	3449.2	3338.3	3332.1
50°	3701.8	3741.9	3900.6	4105.5	4307.3	4379.7	4117.8	3829.7	3466.1	3324.4	3305.9
52.5°	3287.4	3356.8	3533.9	3809.7	4114.7	4373.5	4217.9	3805.1	3460.0	3338.3	3366.0
55°	2287.7	2289.2	2504.9	2911.6	3450.7	4060.8	4071.6	3832.8	3500.0	3424.5	3426.1
57.5°	919.7	965.9	1130.7	1539.0	2036.6	2788.3	3315.2	3555.5	3504.7	3486.2	3533.9
60°	232.6	234.2	285.0	434.4	716.3	1195.4	1736.2	2349.3	2705.1	2826.8	2843.8
62.5°	118.6	120.2	132.5	154.1	195.6	320.4	570.0	904.3	1286.3	1480.4	1531.3
65°	97.1	97.1	104.8	115.5	117.1	123.2	147.9	211.0	306.6	348.2	352.8
67.5°	73.9	73.9	80.1	86.3	89.3	87.8	84.7	87.8	106.3	101.7	98.6
70°	46.2	47.8	50.8	57.0	60.1	61.6	63.2	66.2	75.5	78.6	75.5
72.5°	27.7	27.7	29.3	33.9	38.5	41.6	46.2	49.3	53.9	61.6	60.1
75°	12.3	12.3	15.4	20.0	24.6	29.3	33.9	38.5	41.6	46.2	47.8
77.5°	3.1	4.6	7.7	13.9	18.5	24.6	30.8	35.4	38.5	38.5	37.0
80°	1.5	1.5	6.2	10.8	20.0	26.2	33.9	37.0	41.6	38.5	33.9
82.5°	1.5	1.5	6.2	10.8	18.5	26.2	35.4	40.1	43.1	38.5	32.4
85°	0.0	1.5	4.6	9.2	15.4	18.5	15.4	10.8	6.2	6.2	4.6
87.5°	0.0	0.0	1.5	1.5	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)