

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: P526325

Luminaire Tested: **GALN-SA1B-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3684 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

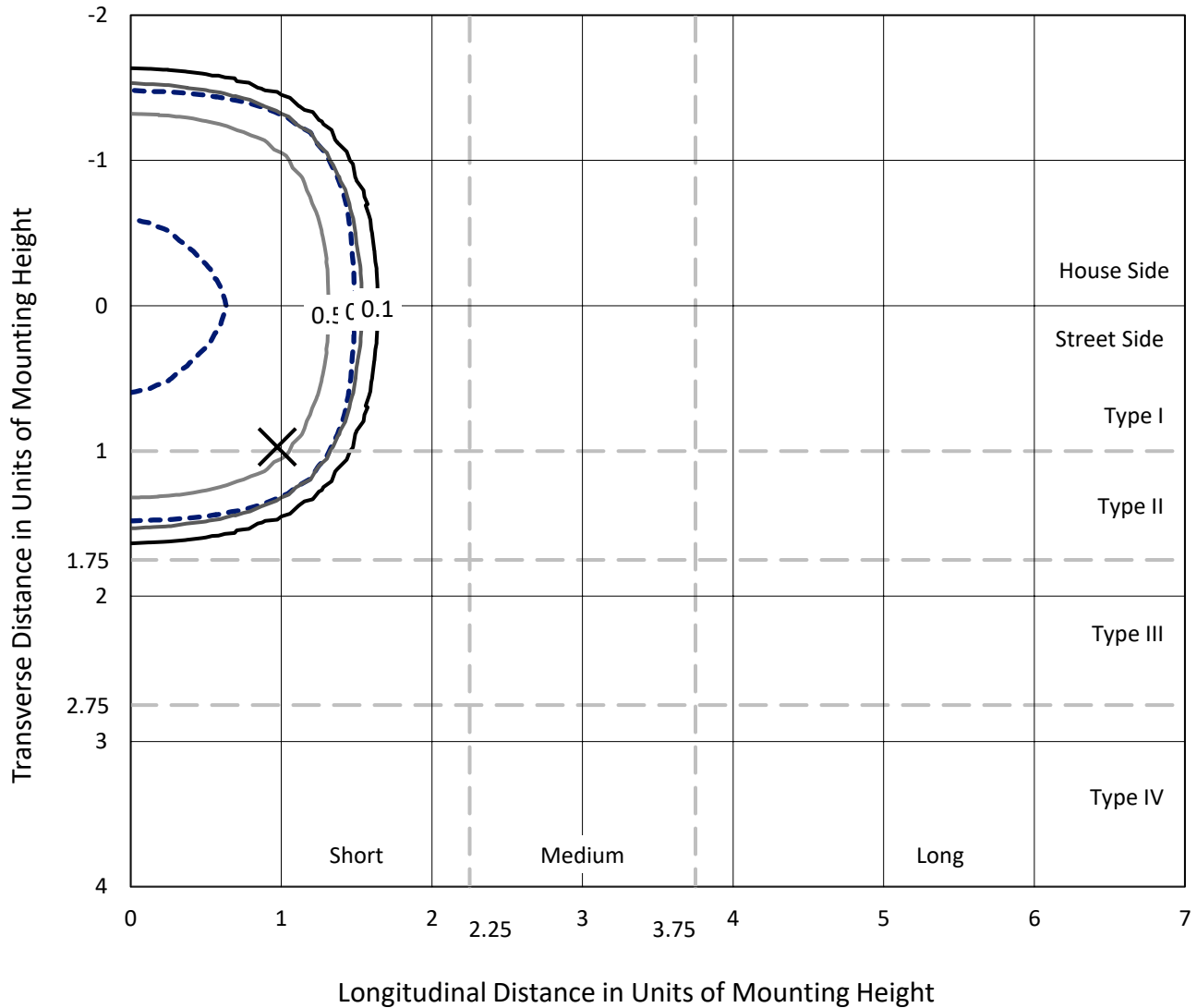
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

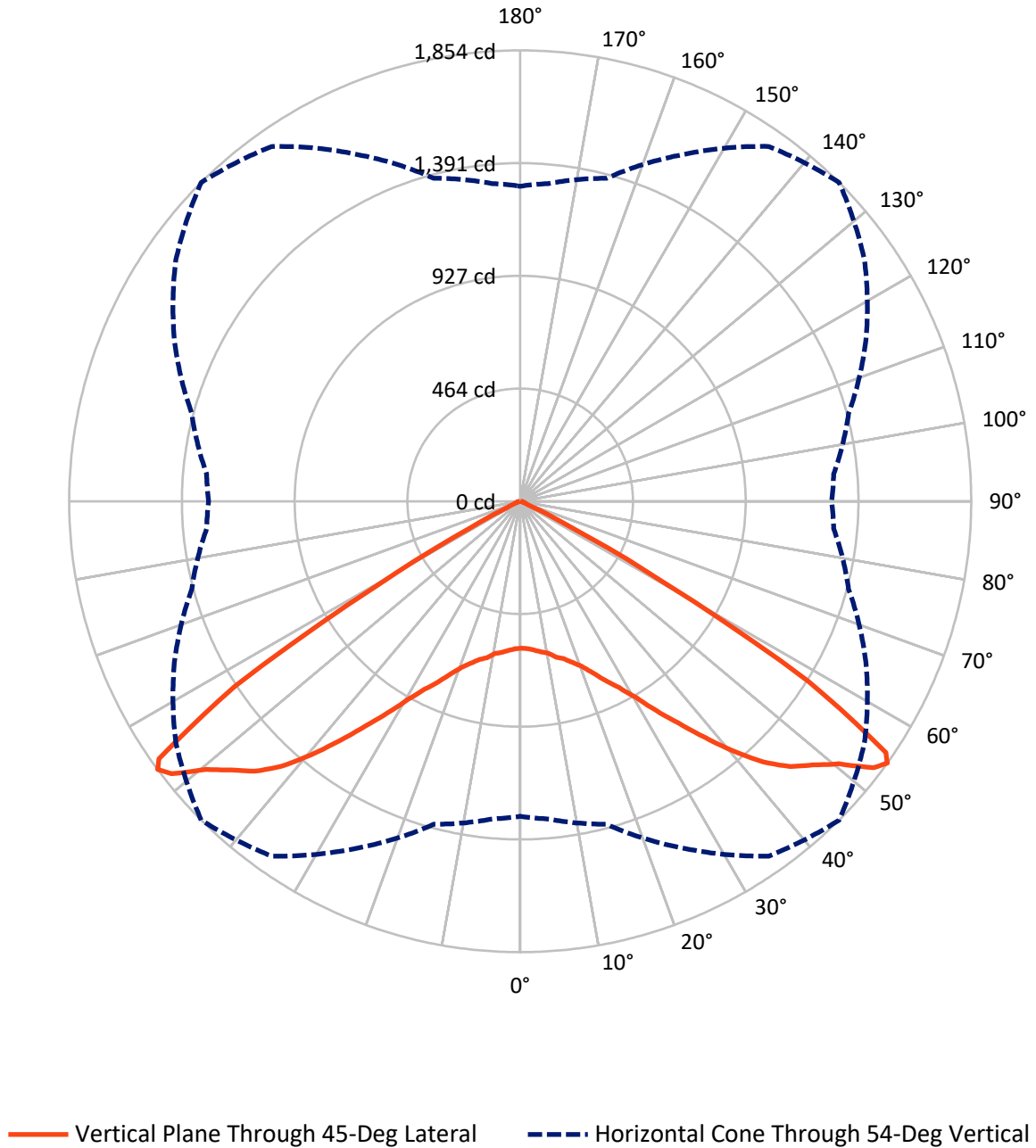
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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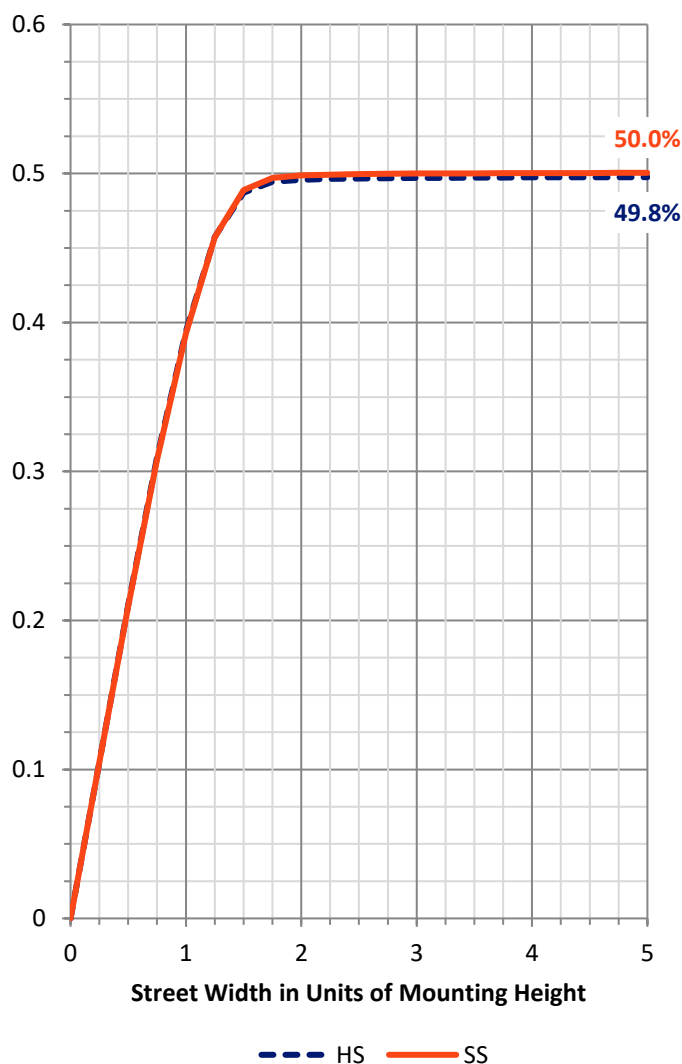
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1842.0	0.0	1842.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1842.0	0.0	1842.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3684.0	0.0	3684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	1.6
10°-20°	191.5	5.2
20°-30°	375.3	10.2
30°-40°	674.8	18.3
40°-50°	1155.1	31.4
50°-60°	1117.7	30.3
60°-70°	95.7	2.6
70°-80°	11.3	0.3
80°-90°	3.6	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°	3684.0	100.0
0°-180°	3684.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526325

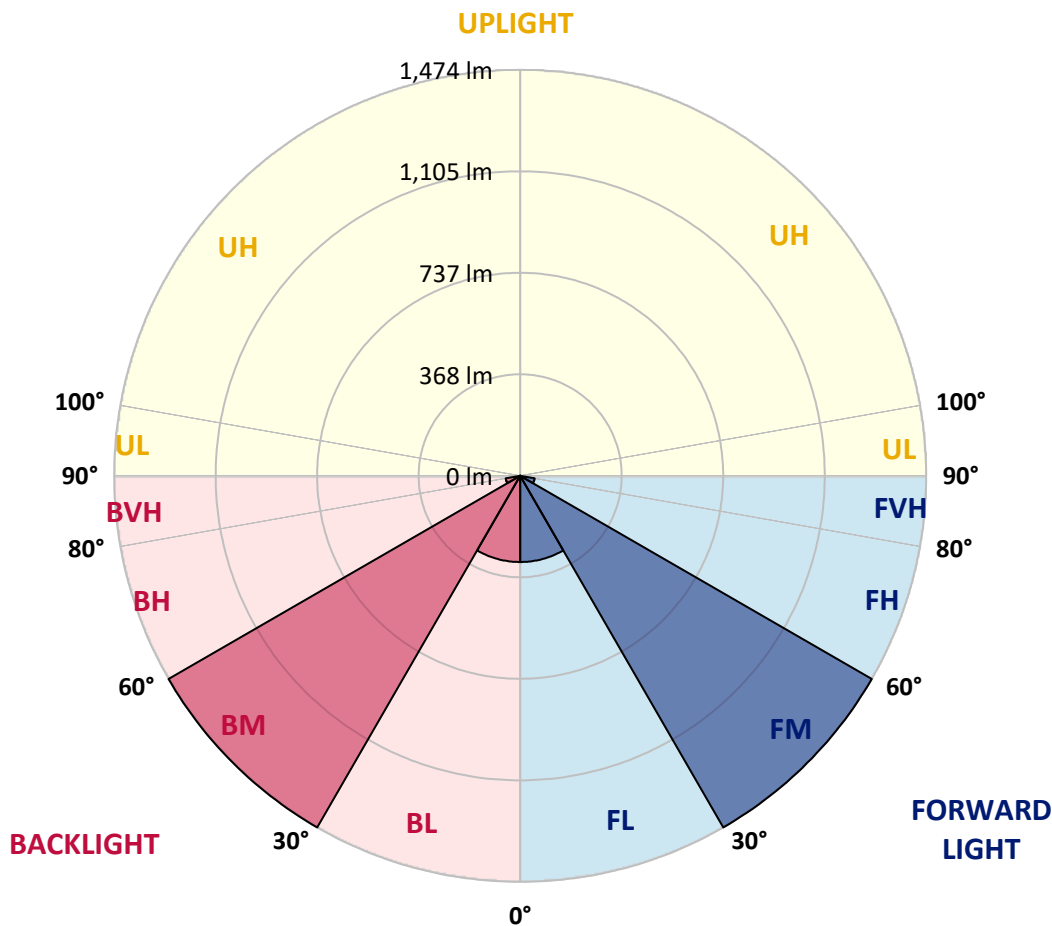
CATALOG NUMBER: GALN-SA1B-735-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.9	8.5			
FM (30°-60°)	1473.8	40.0			
FH (60°-80°)	53.5	1.5			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	312.9	8.5	B1/500		
BM (30°-60°)	1473.8	40.0	B2/2500		
BH (60°-80°)	53.5	1.5	B0/110		G0/660
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	607.0	610.5	608.1	609.9	609.9	607.0	608.7	601.7	606.4	602.9	603.5
5°	616.3	615.7	615.7	616.3	614.0	615.2	612.8	610.5	608.7	606.4	613.4
7.5°	628.0	628.0	623.9	625.1	623.9	625.7	621.0	616.3	614.6	612.8	611.6
10°	639.1	637.9	636.2	641.4	637.3	635.0	632.7	629.7	623.3	621.0	618.7
12.5°	655.4	654.8	652.5	657.8	655.4	657.8	649.0	641.4	640.2	632.7	636.7
15°	674.7	679.9	675.8	675.8	674.7	671.8	668.3	664.8	654.3	651.3	651.9
17.5°	699.8	698.0	698.6	698.6	704.4	696.9	689.9	681.1	675.8	674.1	668.3
20°	723.7	726.0	725.5	729.5	733.0	724.9	717.3	716.1	701.5	703.9	695.7
22.5°	765.7	764.0	766.9	769.8	767.5	766.3	759.3	750.6	737.7	731.9	730.7
25°	810.1	807.2	801.9	808.9	812.4	817.7	804.2	799.6	779.7	771.0	771.6
27.5°	848.0	852.1	857.9	860.9	869.6	867.9	858.5	843.4	828.2	818.3	811.8
30°	900.0	902.3	912.2	916.3	931.5	935.6	921.0	903.5	876.6	863.8	856.2
32.5°	947.8	964.2	963.6	984.0	1008.5	1025.4	999.2	972.3	945.5	930.3	916.9
35°	1025.4	1022.5	1039.5	1061.0	1100.7	1120.0	1091.4	1060.5	1019.6	995.1	984.6
37.5°	1097.8	1099.0	1121.7	1156.2	1201.7	1231.5	1206.4	1155.6	1113.6	1082.1	1067.5
40°	1202.9	1205.2	1228.5	1267.7	1319.0	1351.1	1321.9	1270.6	1214.5	1190.0	1190.0
42.5°	1326.0	1335.9	1351.1	1385.0	1431.1	1466.7	1440.4	1400.1	1343.5	1312.0	1316.7
45°	1452.7	1457.3	1467.3	1517.4	1539.0	1556.6	1532.0	1513.4	1475.4	1436.9	1430.5
47.5°	1571.1	1572.9	1602.1	1617.8	1634.8	1620.2	1635.9	1611.4	1568.8	1531.5	1523.9
50°	1623.7	1620.8	1662.2	1710.0	1722.9	1697.2	1683.8	1667.4	1602.7	1557.7	1537.9
52.5°	1470.8	1487.7	1564.7	1697.8	1798.2	1819.8	1741.6	1666.3	1545.5	1457.9	1444.5
54°	1295.7	1311.4	1375.0	1572.3	1781.3	1854.2	1728.1	1568.2	1397.8	1293.9	1280.5
55°	1122.3	1104.8	1220.4	1421.7	1701.9	1823.9	1675.0	1441.6	1246.6	1151.5	1132.8
57.5°	607.6	610.5	707.9	898.2	1195.9	1398.4	1235.0	975.3	736.5	629.7	620.4
60°	192.6	197.3	239.9	363.0	571.4	682.3	584.8	391.6	270.8	217.1	208.4
62.5°	60.1	62.4	68.3	101.6	156.4	223.5	175.1	105.1	78.2	71.8	73.0
65°	36.8	36.8	37.4	39.7	46.7	54.3	52.5	46.1	44.4	43.2	42.6
67.5°	23.9	23.3	24.5	26.3	27.4	28.0	29.8	31.5	30.9	29.8	29.8
70°	14.6	14.0	15.2	17.5	18.1	19.3	21.0	23.3	22.8	21.6	22.2
72.5°	8.2	8.2	8.8	10.5	12.3	13.4	15.2	16.9	17.5	16.9	16.9
75°	2.9	3.5	4.7	6.4	7.6	9.3	11.1	12.8	14.6	13.4	12.8
77.5°	1.2	1.2	2.3	4.1	5.8	7.6	10.5	12.3	13.4	12.3	11.1
80°	0.6	0.6	1.8	3.5	5.3	7.0	8.8	10.5	11.1	9.9	8.8
82.5°	0.6	0.6	1.8	3.5	5.3	6.4	9.3	10.5	11.7	10.5	8.8
85°	0.0	0.6	1.8	3.5	4.7	5.3	5.3	3.5	2.9	1.8	1.8
87.5°	0.0	0.0	0.6	0.0	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)