

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: P526791

Luminaire Tested: **GALN-SA1D-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4376 lumens
Efficiency: N/A
Efficacy: 67.3 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

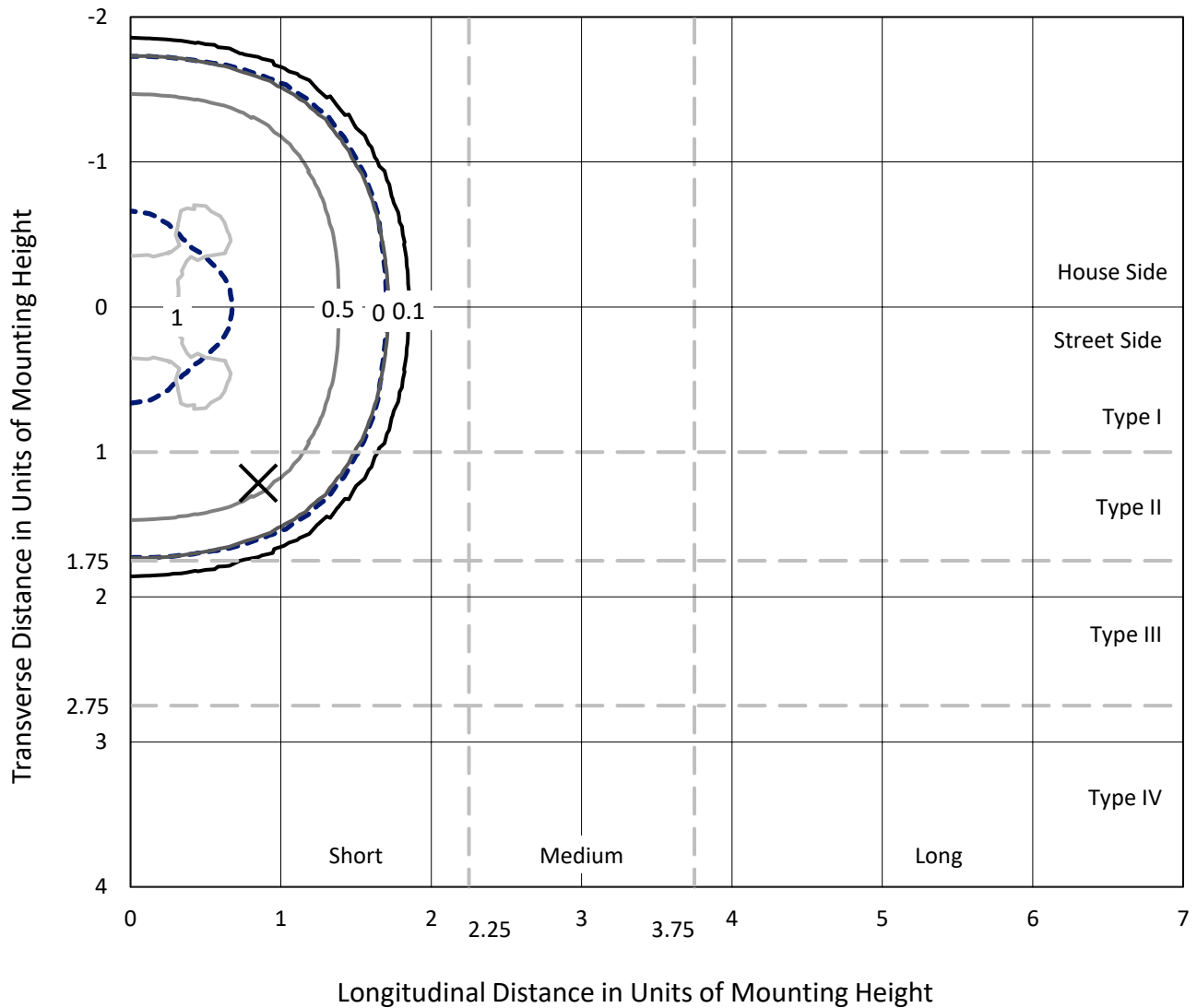
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526791
 CATALOG NUMBER: GALN-SA1D-735-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

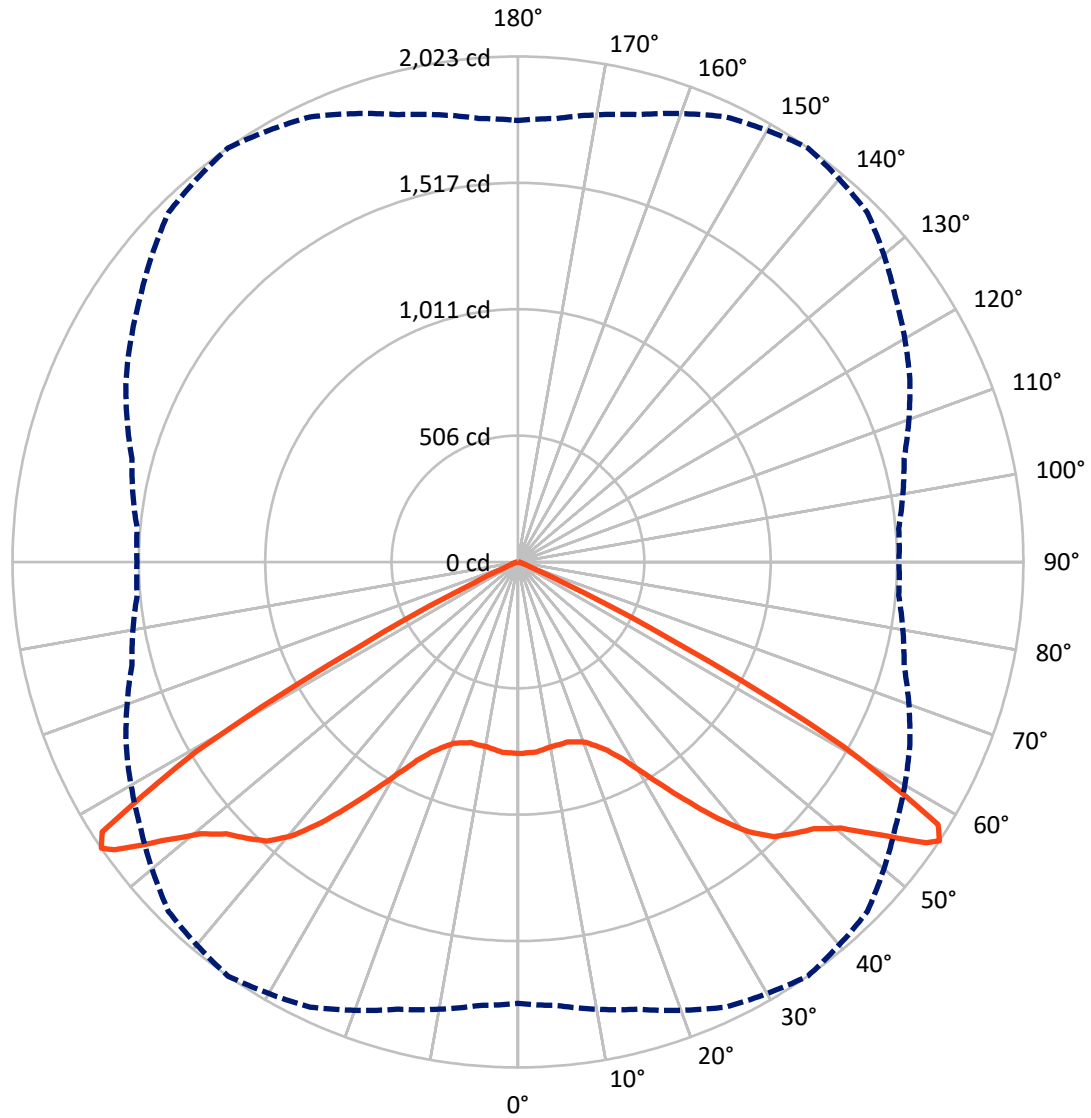
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P526791
CATALOG NUMBER: GALN-SA1D-735-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526791
 CATALOG NUMBER: GALN-SA1D-735-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2188.0	0.0	2188.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2188.0	0.0	2188.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4376.0	0.0	4376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	1.6
10°-20°	210.4	4.8
20°-30°	381.0	8.7
30°-40°	706.5	16.1
40°-50°	1159.7	26.5
50°-60°	1494.0	34.1
60°-70°	329.3	7.5
70°-80°	19.1	0.4
80°-90°	4.0	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°	4376.0	100.0
0°-180°	4376.0	100.0

Coefficient of Utilization

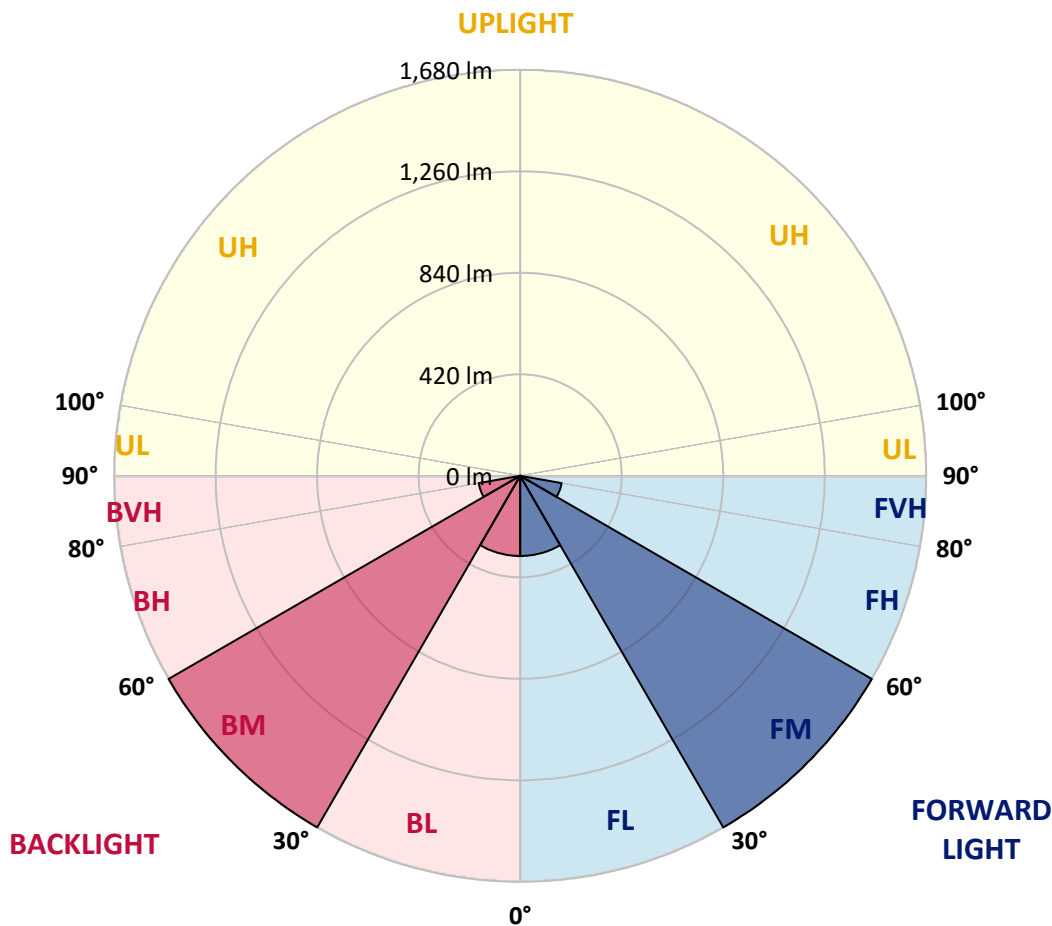


REPORT NUMBER: P526791
 CATALOG NUMBER: GALN-SA1D-735-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.7	7.6			
FM (30°-60°)	1680.1	38.4			
FH (60°-80°)	174.2	4.0			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	331.7	7.6	B1/500		
BM (30°-60°)	1680.1	38.4	B2/2500		
BH (60°-80°)	174.2	4.0	B1/500		G0/660
BVH (80°-90°)	2.0	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





REPORT NUMBER: P526791

CATALOG NUMBER: GALN-SA1D-735-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	766.8	766.8	766.8	766.8	766.8	766.8	766.8	766.8	766.8	766.8	766.8
2.5°	768.4	768.4	769.1	769.9	764.4	762.0	762.8	761.2	760.4	762.8	762.8
5°	766.0	766.0	763.6	764.4	764.4	757.3	757.3	758.8	758.8	754.1	752.5
7.5°	759.6	758.0	754.9	758.8	756.5	756.5	750.9	746.9	745.4	748.5	745.4
10°	746.2	746.9	750.1	751.7	750.1	754.9	745.4	739.8	734.3	731.9	731.9
12.5°	739.8	744.6	739.8	743.8	749.3	745.4	739.8	735.8	727.9	724.7	724.7
15°	739.0	742.2	743.8	749.3	746.9	748.5	737.4	732.7	720.8	715.2	712.8
17.5°	738.2	742.2	744.6	754.9	756.5	757.3	748.5	734.3	724.0	718.4	712.8
20°	746.9	748.5	753.3	763.6	769.9	781.0	765.2	750.1	727.9	721.6	719.2
22.5°	758.0	766.0	770.7	781.8	798.5	808.0	787.4	768.4	745.4	737.4	727.9
25°	793.7	792.1	800.1	823.1	836.5	843.7	827.0	799.3	769.1	759.6	761.2
27.5°	838.1	839.7	846.9	872.2	892.1	903.2	883.3	846.9	817.5	801.7	800.1
30°	896.0	894.4	902.4	936.5	972.1	988.8	953.9	911.1	882.5	861.9	866.7
32.5°	957.1	957.9	980.1	1011.0	1068.9	1101.4	1045.1	992.8	949.9	935.7	928.5
35°	1047.5	1051.4	1068.9	1116.5	1180.7	1222.7	1160.9	1098.2	1049.1	1022.9	1026.1
37.5°	1159.3	1155.3	1184.6	1236.2	1303.6	1334.5	1282.2	1210.8	1160.9	1143.4	1154.5
40°	1278.2	1282.2	1297.2	1344.0	1419.4	1440.0	1362.3	1323.4	1279.8	1271.1	1284.6
42.5°	1397.2	1394.8	1405.9	1447.9	1502.6	1488.3	1442.4	1419.4	1388.4	1371.0	1389.2
45°	1484.4	1480.4	1501.0	1529.6	1549.4	1522.4	1501.8	1493.9	1478.0	1459.0	1475.7
47.5°	1569.2	1566.0	1585.9	1593.8	1595.4	1559.7	1563.7	1577.9	1538.3	1498.6	1517.7
50°	1641.4	1635.8	1660.4	1677.9	1673.9	1616.8	1631.1	1616.8	1554.9	1508.2	1501.0
52.5°	1761.9	1764.3	1790.4	1822.2	1812.7	1765.1	1744.5	1679.4	1600.1	1558.1	1533.5
55°	1838.0	1826.1	1871.3	1972.0	1983.1	1934.0	1842.8	1746.8	1627.9	1576.4	1570.0
56°	1766.7	1781.7	1853.1	1965.7	2022.8	1977.6	1845.2	1730.2	1599.4	1529.6	1524.8
57.5°	1585.1	1577.2	1673.9	1827.7	1983.1	1964.1	1780.1	1611.2	1459.0	1380.5	1371.0
60°	986.4	1009.4	1094.3	1284.6	1492.3	1501.8	1319.4	1174.3	996.7	926.9	943.6
62.5°	386.2	366.3	419.5	561.4	704.1	735.8	666.9	554.3	455.1	386.2	381.4
65°	89.6	87.2	98.3	135.6	189.5	219.6	208.5	149.9	110.2	104.7	96.7
67.5°	50.7	50.7	48.4	48.4	53.1	56.3	53.9	53.1	55.5	57.9	57.1
70°	35.7	34.9	33.3	34.1	32.5	32.5	34.9	38.9	42.0	42.0	42.8
72.5°	21.4	21.4	21.4	23.8	23.8	23.8	26.2	29.3	30.1	29.3	28.5
75°	9.5	9.5	11.1	13.5	15.1	15.9	18.2	19.8	21.4	19.8	18.2
77.5°	2.4	2.4	4.0	5.6	7.1	8.7	11.9	14.3	15.1	14.3	11.9
80°	0.8	0.8	1.6	4.0	7.1	8.7	11.9	12.7	13.5	11.9	9.5
82.5°	0.8	0.8	1.6	4.0	5.6	7.1	9.5	11.1	11.9	10.3	9.5
85°	0.0	0.8	1.6	3.2	4.8	6.3	6.3	4.8	4.0	2.4	3.2
87.5°	0.0	0.0	0.8	0.8	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)