

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: P526765

Luminaire Tested: **GALN-SA1D-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526765
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-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 4278 lumens
Efficiency: N/A
Efficacy: 65.8 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

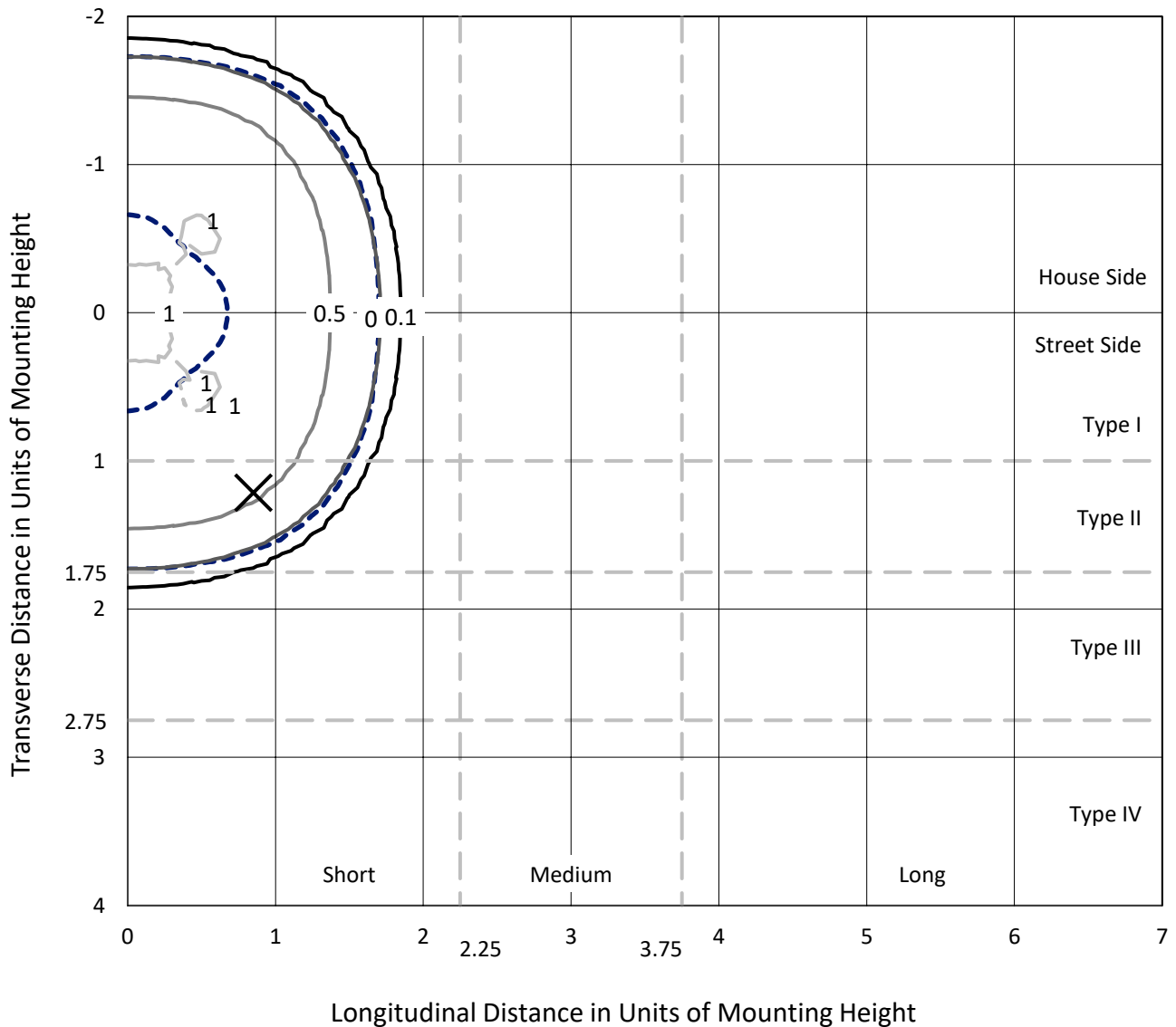
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526765
 CATALOG NUMBER: GALN-SA1D-730-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

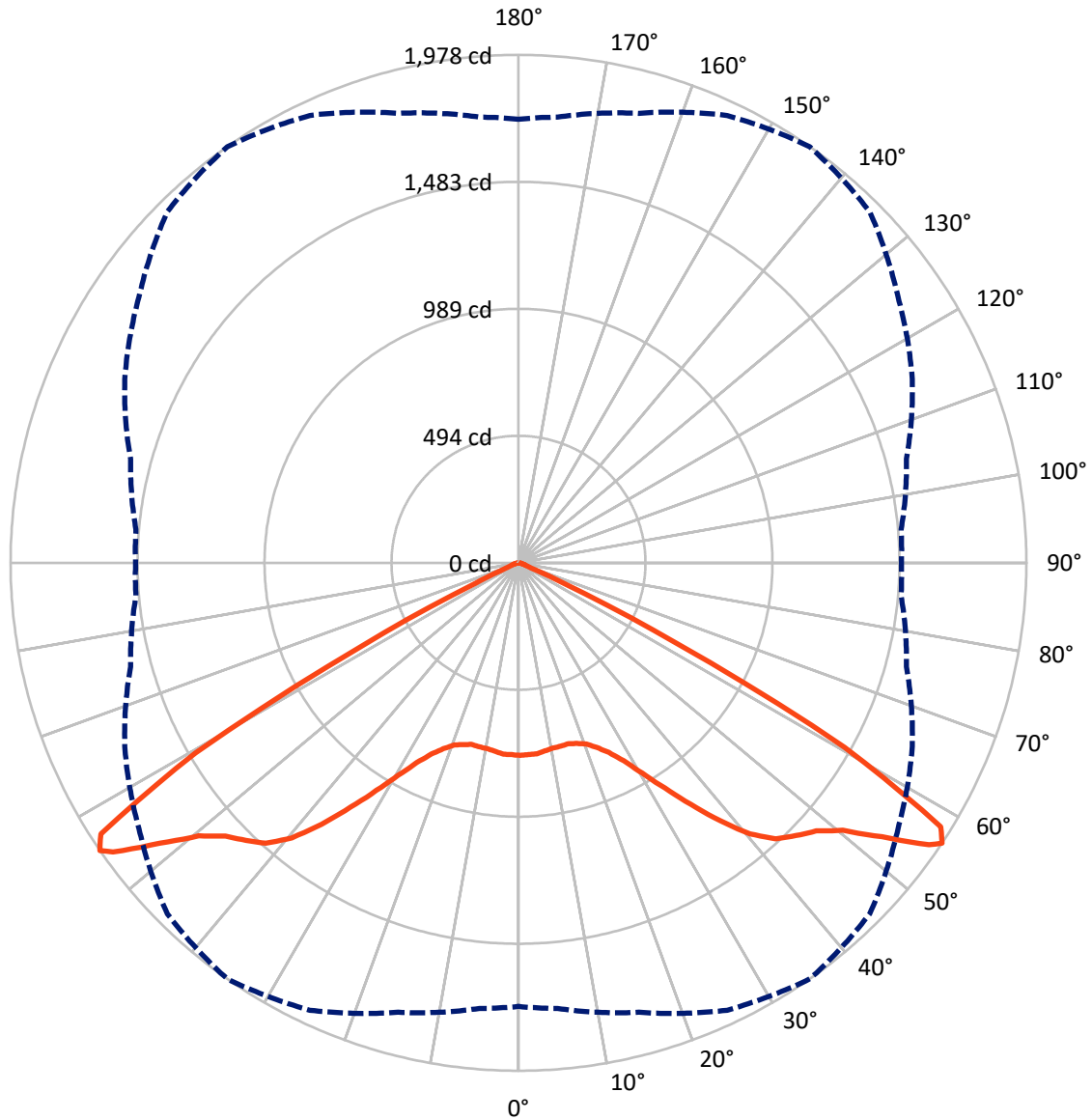
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526765
CATALOG NUMBER: GALN-SA1D-730-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526765
 CATALOG NUMBER: GALN-SA1D-730-U-5MQ-GRSBK

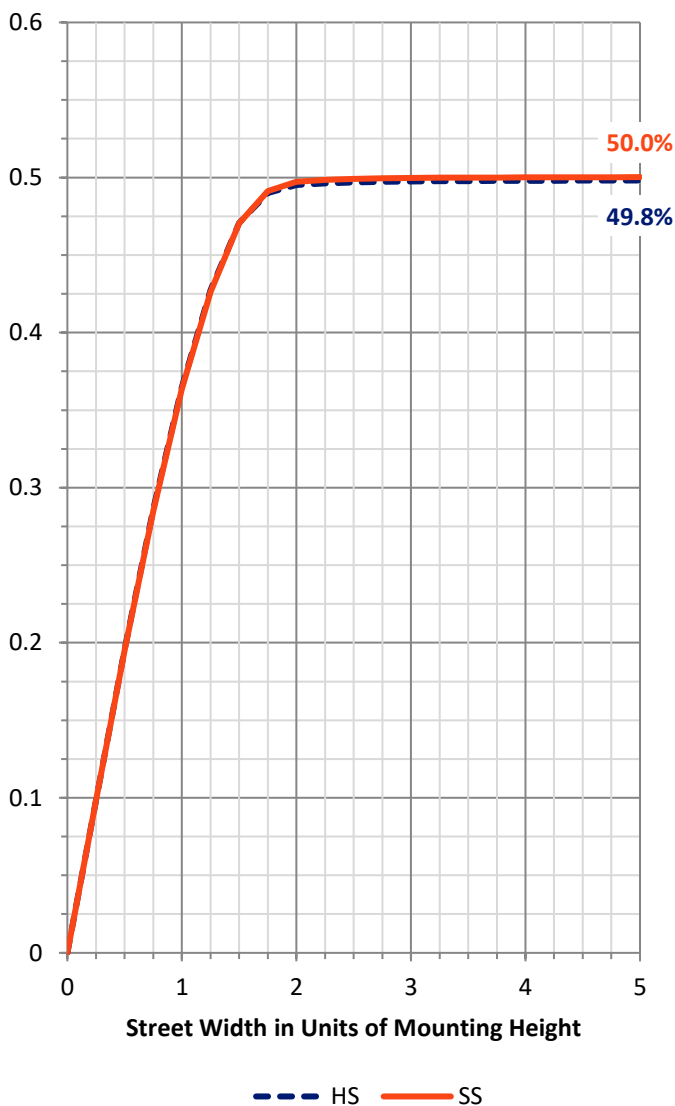
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2139.0	0.0	2139.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2139.0	0.0	2139.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4278.0	0.0	4278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.6
10°-20°	205.7	4.8
20°-30°	372.5	8.7
30°-40°	690.7	16.1
40°-50°	1133.7	26.5
50°-60°	1460.5	34.1
60°-70°	321.9	7.5
70°-80°	18.7	0.4
80°-90°	3.9	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°	4278.0	100.0
0°-180°	4278.0	100.0

Coefficient of Utilization

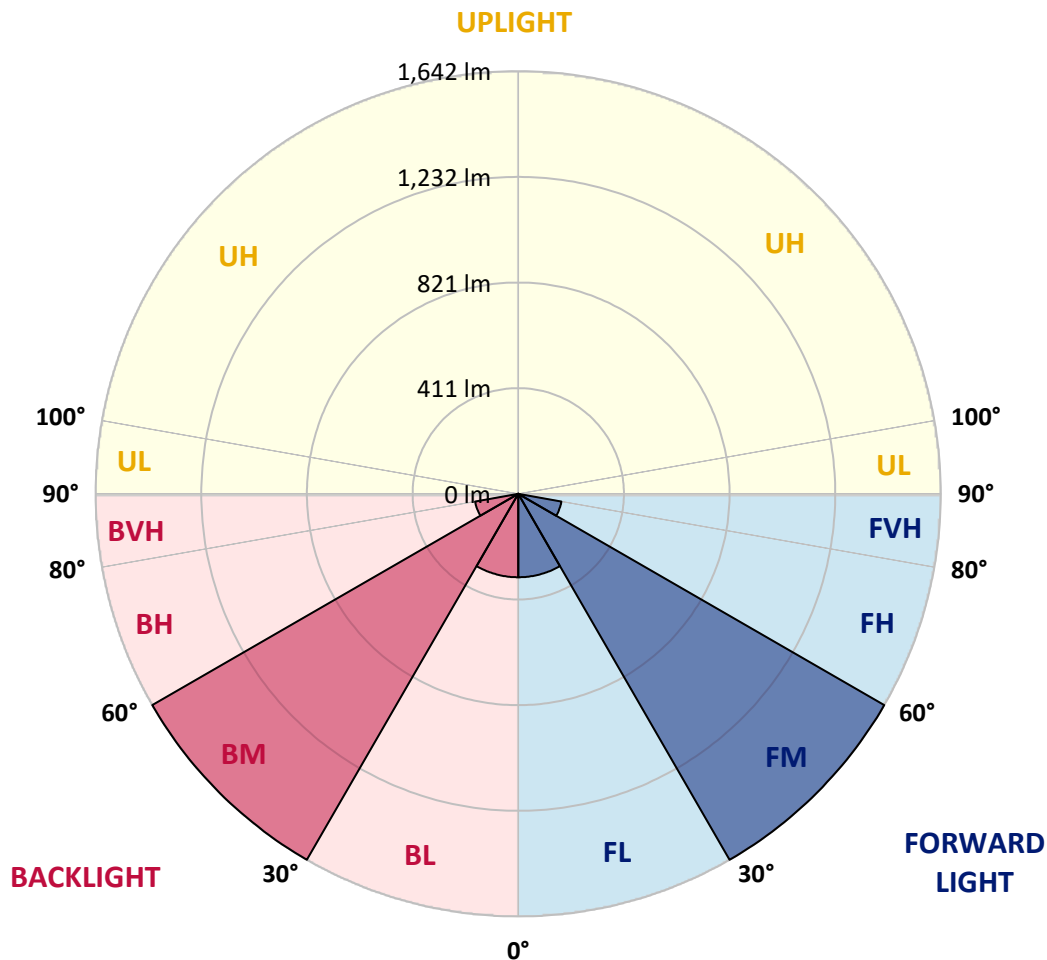


REPORT NUMBER: P526765
 CATALOG NUMBER: GALN-SA1D-730-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.3	7.6			
FM (30°-60°)	1642.5	38.4			
FH (60°-80°)	170.3	4.0			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	324.3	7.6	B1/500		
BM (30°-60°)	1642.5	38.4	B2/2500		
BH (60°-80°)	170.3	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: P526765
 CATALOG NUMBER: GALN-SA1D-730-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6
2.5°	751.1	751.1	751.9	752.7	747.3	744.9	745.7	744.2	743.4	745.7	745.7
5°	748.8	748.8	746.5	747.3	747.3	740.3	740.3	741.8	741.8	737.2	735.6
7.5°	742.6	741.1	738.0	741.8	739.5	739.5	734.1	730.2	728.7	731.8	728.7
10°	729.4	730.2	733.3	734.9	733.3	738.0	728.7	723.2	717.8	715.5	715.5
12.5°	723.2	727.9	723.2	727.1	732.5	728.7	723.2	719.4	711.6	708.5	708.5
15°	722.5	725.6	727.1	732.5	730.2	731.8	720.9	716.3	704.6	699.2	696.9
17.5°	721.7	725.6	727.9	738.0	739.5	740.3	731.8	717.8	707.7	702.3	696.9
20°	730.2	731.8	736.4	746.5	752.7	763.6	748.0	733.3	711.6	705.4	703.1
22.5°	741.1	748.8	753.5	764.3	780.6	789.9	769.8	751.1	728.7	720.9	711.6
25°	776.0	774.4	782.2	804.6	817.8	824.8	808.5	781.4	751.9	742.6	744.2
27.5°	819.4	820.9	827.9	852.7	872.1	882.9	863.5	827.9	799.2	783.7	782.2
30°	876.0	874.4	882.2	915.5	950.4	966.6	932.5	890.7	862.8	842.6	847.3
32.5°	935.6	936.4	958.1	988.4	1044.9	1076.7	1021.7	970.5	928.7	914.7	907.7
35°	1024.0	1027.9	1044.9	1091.5	1154.2	1195.3	1134.9	1073.6	1025.6	1000.0	1003.1
37.5°	1133.3	1129.4	1158.1	1208.5	1274.4	1304.6	1253.5	1183.7	1134.9	1117.8	1128.7
40°	1249.6	1253.5	1268.2	1313.9	1387.6	1407.7	1331.8	1293.8	1251.1	1242.6	1255.8
42.5°	1365.9	1363.5	1374.4	1415.5	1469.0	1455.0	1410.0	1387.6	1357.3	1340.3	1358.1
45°	1451.1	1447.3	1467.4	1495.3	1514.7	1488.3	1468.2	1460.4	1444.9	1426.3	1442.6
47.5°	1534.1	1531.0	1550.4	1558.1	1559.7	1524.8	1528.7	1542.6	1503.8	1465.1	1483.7
50°	1604.6	1599.2	1623.2	1640.3	1636.4	1580.6	1594.5	1580.6	1520.1	1474.4	1467.4
52.5°	1722.4	1724.8	1750.4	1781.4	1772.1	1725.5	1705.4	1641.8	1564.3	1523.2	1499.2
55°	1796.9	1785.2	1829.4	1927.9	1938.7	1890.7	1801.5	1707.7	1591.4	1541.1	1534.9
56°	1727.1	1741.8	1811.6	1921.7	1977.5	1933.3	1803.8	1691.4	1563.5	1495.3	1490.7
57.5°	1549.6	1541.8	1636.4	1786.8	1938.7	1920.1	1740.3	1575.2	1426.3	1349.6	1340.3
60°	964.3	986.8	1069.7	1255.8	1458.9	1468.2	1289.9	1148.0	974.4	906.2	922.5
62.5°	377.5	358.1	410.1	548.8	688.4	719.4	651.9	541.8	445.0	377.5	372.9
65°	87.6	85.3	96.1	132.6	185.3	214.7	203.9	146.5	107.7	102.3	94.6
67.5°	49.6	49.6	47.3	47.3	51.9	55.0	52.7	51.9	54.3	56.6	55.8
70°	34.9	34.1	32.6	33.3	31.8	31.8	34.1	38.0	41.1	41.1	41.9
72.5°	20.9	20.9	20.9	23.3	23.3	23.3	25.6	28.7	29.5	28.7	27.9
75°	9.3	9.3	10.9	13.2	14.7	15.5	17.8	19.4	20.9	19.4	17.8
77.5°	2.3	2.3	3.9	5.4	7.0	8.5	11.6	14.0	14.7	14.0	11.6
80°	0.8	0.8	1.6	3.9	7.0	8.5	11.6	12.4	13.2	11.6	9.3
82.5°	0.8	0.8	1.6	3.9	5.4	7.0	9.3	10.9	11.6	10.1	9.3
85°	0.0	0.8	1.6	3.1	4.7	6.2	6.2	4.7	3.9	2.3	3.1
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)