

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: P526773

Luminaire Tested: **GALN-SA1D-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526773  
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-SA1D-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4607 lumens  
Efficiency: N/A  
Efficacy: 70.9 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

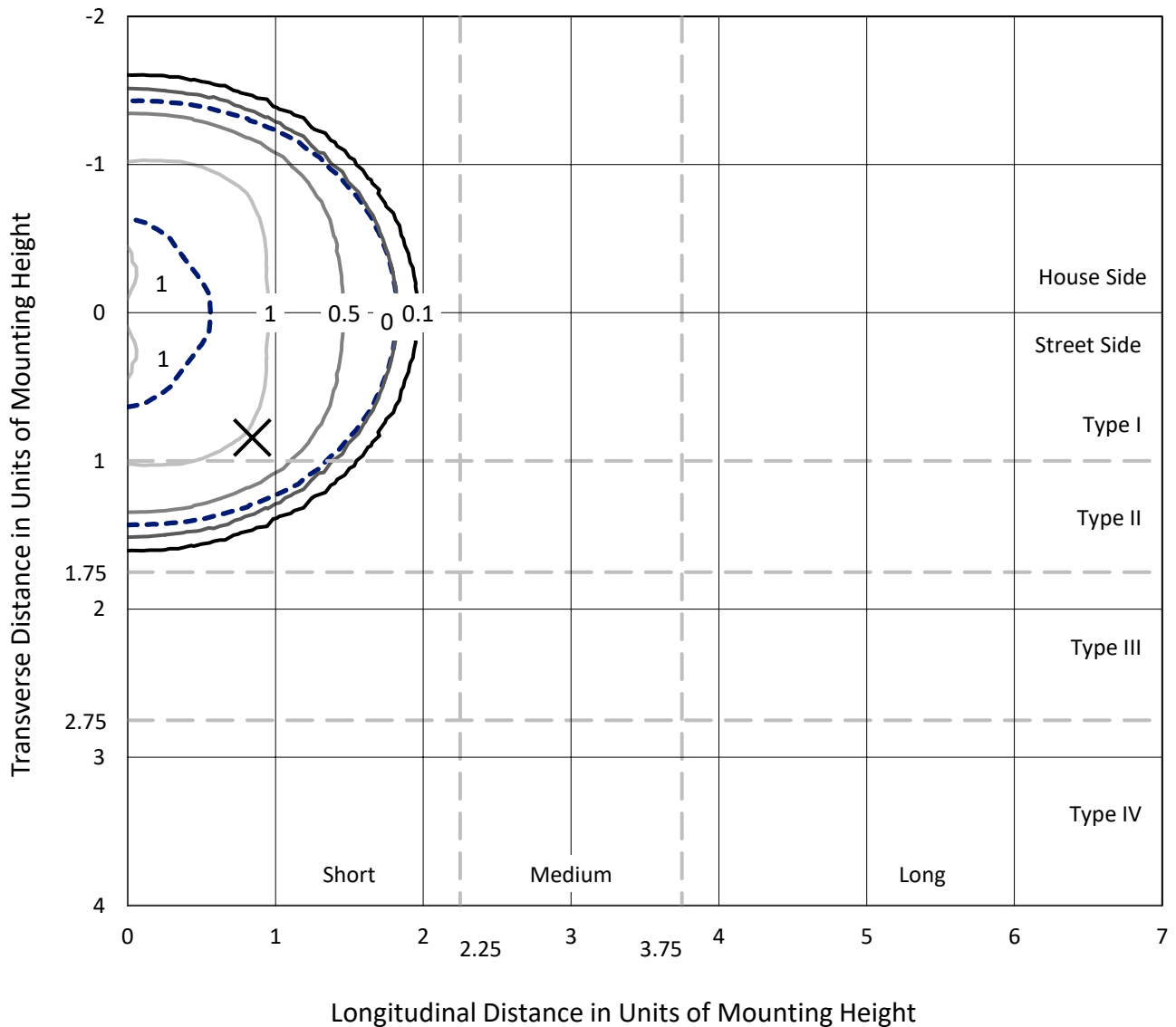
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526773  
 CATALOG NUMBER: GALN-SA1D-730-U-RW-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

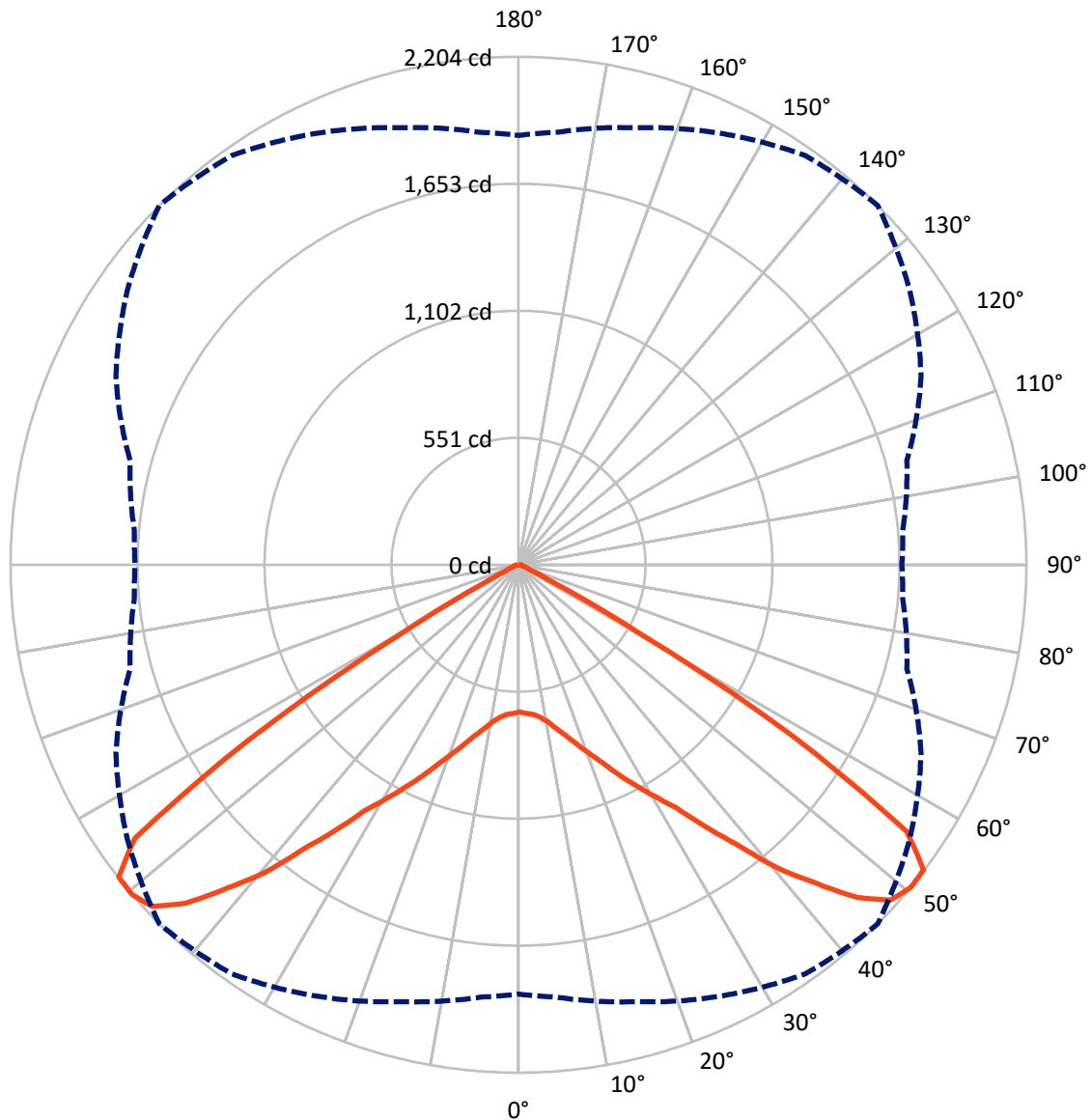
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P526773  
CATALOG NUMBER: GALN-SA1D-730-U-RW-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P526773  
 CATALOG NUMBER: GALN-SA1D-730-U-RW-GRSBK

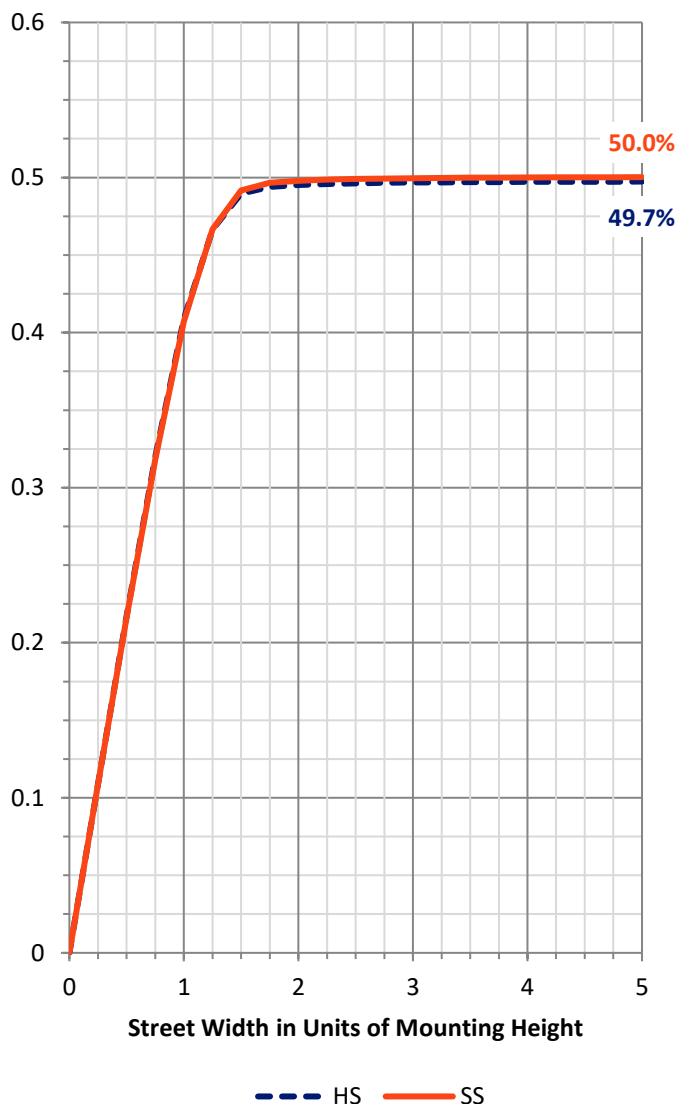
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2303.5	0.0	2303.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2303.5	0.0	2303.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4607.0	0.0	4607.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	1.4
10°-20°	219.0	4.8
20°-30°	447.3	9.7
30°-40°	853.0	18.5
40°-50°	1437.4	31.2
50°-60°	1370.8	29.8
60°-70°	191.4	4.2
70°-80°	18.3	0.4
80°-90°	6.3	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°	4607.0	100.0
0°-180°	4607.0	100.0

**Coefficient of Utilization**

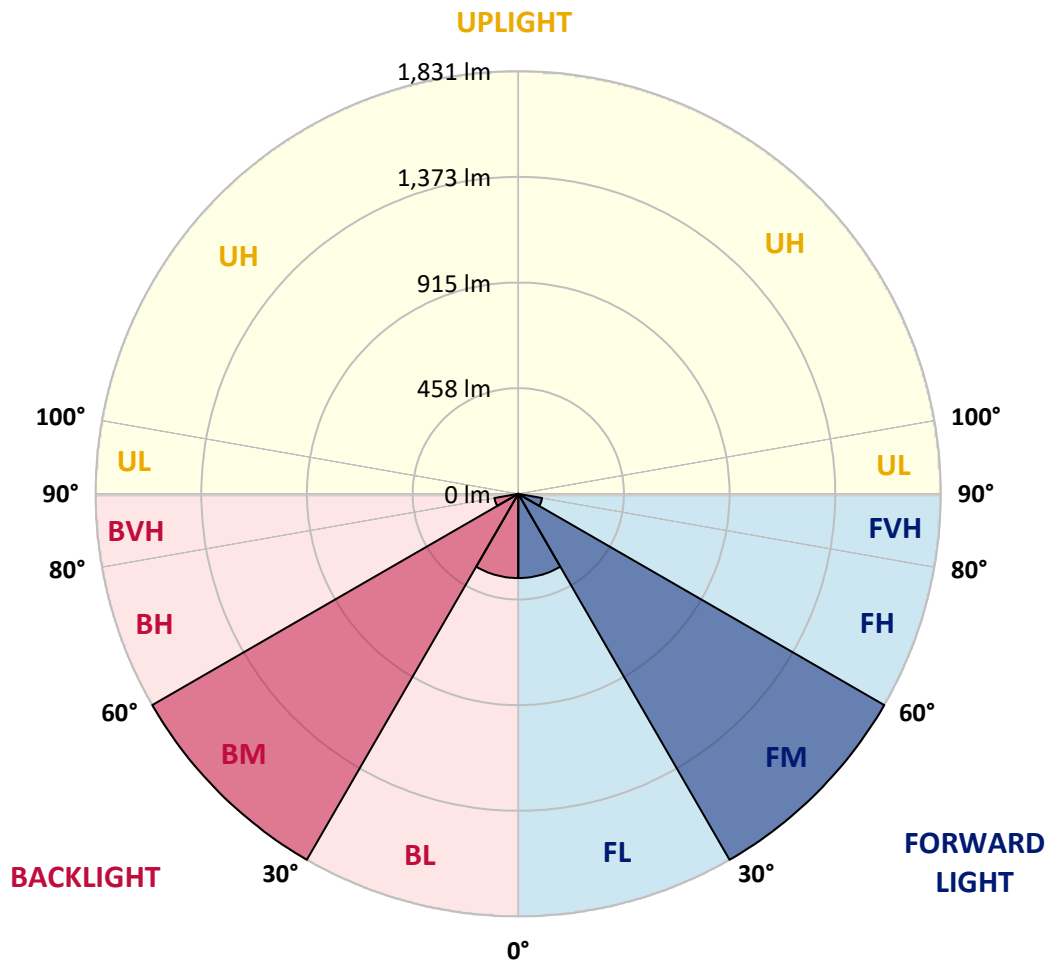


REPORT NUMBER: P526773  
 CATALOG NUMBER: GALN-SA1D-730-U-RW-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	364.9	7.9			
FM (30°-60°)	1830.6	39.7			
FH (60°-80°)	104.8	2.3			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	364.9	7.9	B1/500		
BM (30°-60°)	1830.6	39.7	B2/2500		
BH (60°-80°)	104.8	2.3	B0/110		G0/660
BVH (80°-90°)	3.2	0.1			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: P526773

CATALOG NUMBER: GALN-SA1D-730-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7
2.5°	636.4	636.4	635.6	641.8	638.7	645.7	644.9	647.2	649.6	648.8	655.0
5°	631.0	630.2	630.2	637.2	644.1	651.9	658.9	663.5	671.3	671.3	679.0
7.5°	636.4	632.5	637.9	641.0	654.2	667.4	679.0	688.3	706.1	712.3	710.0
10°	637.9	642.6	646.5	655.8	672.0	692.2	702.3	725.5	745.7	759.6	762.7
12.5°	648.0	655.0	665.8	688.3	703.0	729.4	743.4	765.8	793.7	809.2	820.1
15°	667.4	669.7	683.7	712.3	744.1	768.2	789.9	806.1	833.3	851.1	851.9
17.5°	692.2	702.3	721.6	748.8	782.1	817.8	834.8	852.6	862.7	886.8	892.2
20°	741.8	743.4	762.0	797.6	839.5	872.0	884.4	893.7	889.9	914.7	919.3
22.5°	788.3	789.9	813.1	861.2	906.1	934.0	939.5	934.0	922.4	940.2	941.8
25°	835.6	849.5	866.6	914.7	970.5	1007.7	1008.4	993.7	969.7	972.8	980.5
27.5°	909.2	919.3	937.1	981.3	1042.6	1084.4	1077.4	1059.6	1028.6	1030.9	1028.6
30°	995.3	1004.6	1019.3	1075.9	1120.8	1166.6	1176.7	1159.6	1113.1	1103.0	1114.6
32.5°	1099.1	1112.3	1139.4	1191.4	1229.4	1257.3	1264.2	1258.0	1214.6	1210.8	1218.5
35°	1225.5	1243.3	1268.1	1313.9	1344.9	1395.2	1395.2	1374.3	1334.8	1339.4	1338.7
37.5°	1358.8	1385.2	1423.9	1470.4	1512.3	1539.4	1530.9	1513.1	1473.5	1463.5	1473.5
40°	1526.2	1539.4	1588.2	1648.7	1699.9	1730.9	1694.4	1655.7	1561.1	1575.8	1603.0
42.5°	1678.9	1699.9	1737.1	1803.7	1861.9	1887.4	1844.0	1767.3	1653.4	1641.7	1661.9
45°	1809.2	1831.6	1880.5	1975.8	2037.1	2059.5	1963.4	1839.4	1709.2	1679.7	1688.2
47.5°	1896.0	1907.6	1975.8	2066.5	2122.3	2173.5	2035.5	1889.0	1735.5	1679.7	1676.6
50°	1862.6	1882.8	1962.6	2065.7	2167.3	2203.7	2071.9	1927.0	1744.1	1672.7	1663.4
52.5°	1654.1	1689.0	1778.2	1916.9	2070.4	2200.6	2122.3	1914.6	1740.9	1679.7	1693.7
55°	1151.1	1151.8	1260.4	1465.0	1736.3	2043.3	2048.7	1928.5	1761.1	1723.1	1723.9
57.5°	462.8	486.0	568.9	774.4	1024.7	1403.0	1668.1	1789.0	1763.4	1754.1	1778.2
60°	117.0	117.8	143.4	218.6	360.4	601.5	873.6	1182.1	1361.1	1422.4	1430.9
62.5°	59.7	60.5	66.7	77.5	98.4	161.2	286.8	455.0	647.2	744.9	770.5
65°	48.8	48.8	52.7	58.1	58.9	62.0	74.4	106.2	154.3	175.2	177.5
67.5°	37.2	37.2	40.3	43.4	45.0	44.2	42.6	44.2	53.5	51.2	49.6
70°	23.3	24.0	25.6	28.7	30.2	31.0	31.8	33.3	38.0	39.5	38.0
72.5°	14.0	14.0	14.7	17.1	19.4	20.9	23.3	24.8	27.1	31.0	30.2
75°	6.2	6.2	7.8	10.1	12.4	14.7	17.1	19.4	20.9	23.3	24.0
77.5°	1.6	2.3	3.9	7.0	9.3	12.4	15.5	17.8	19.4	19.4	18.6
80°	0.8	0.8	3.1	5.4	10.1	13.2	17.1	18.6	20.9	19.4	17.1
82.5°	0.8	0.8	3.1	5.4	9.3	13.2	17.8	20.2	21.7	19.4	16.3
85°	0.0	0.8	2.3	4.7	7.8	9.3	7.8	5.4	3.1	3.1	2.3
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)