

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: P527939

Luminaire Tested: **GALN-SA3A-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527939  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3A-730-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6485 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

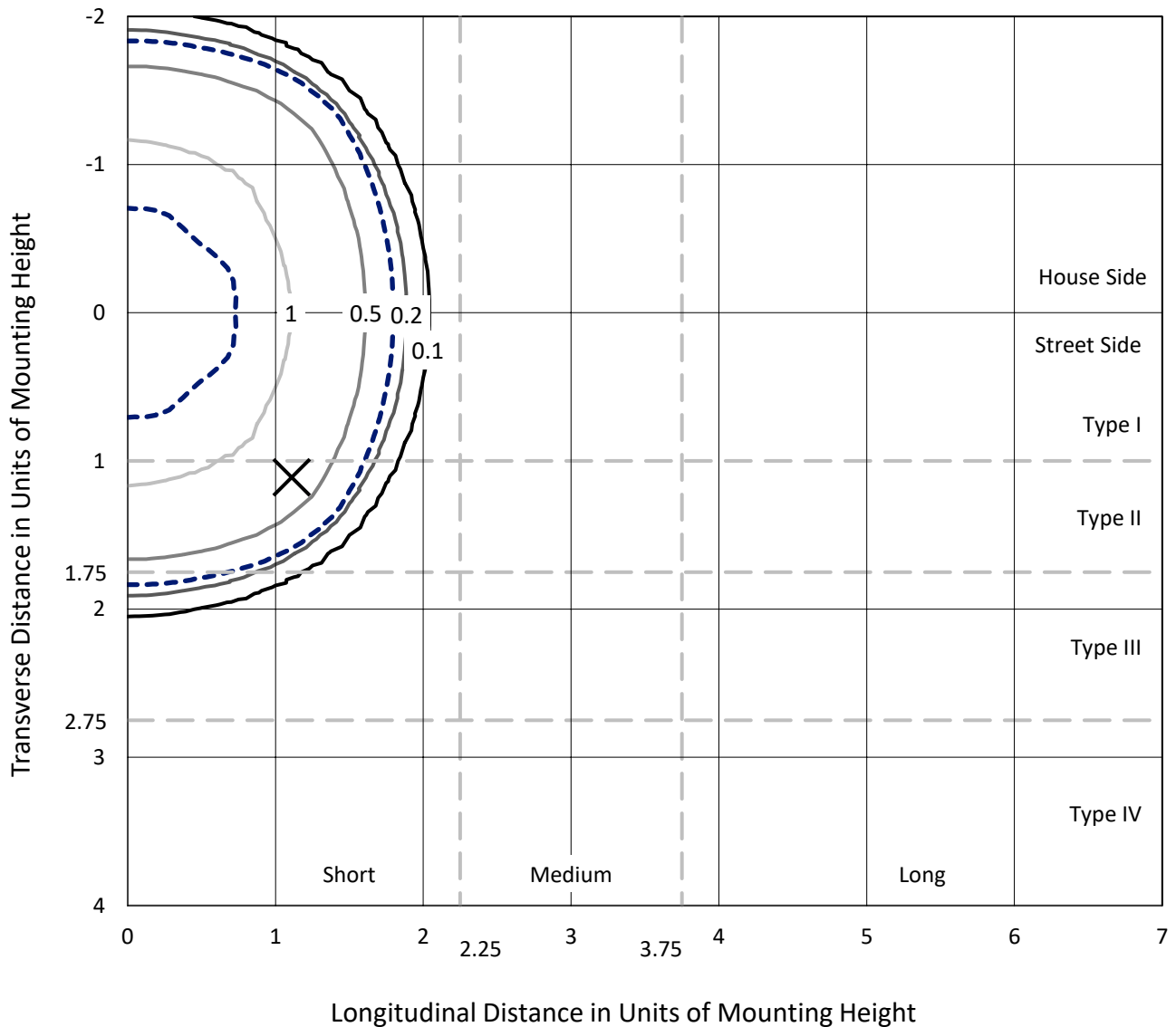
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527939  
 CATALOG NUMBER: GALN-SA3A-730-U-5WQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

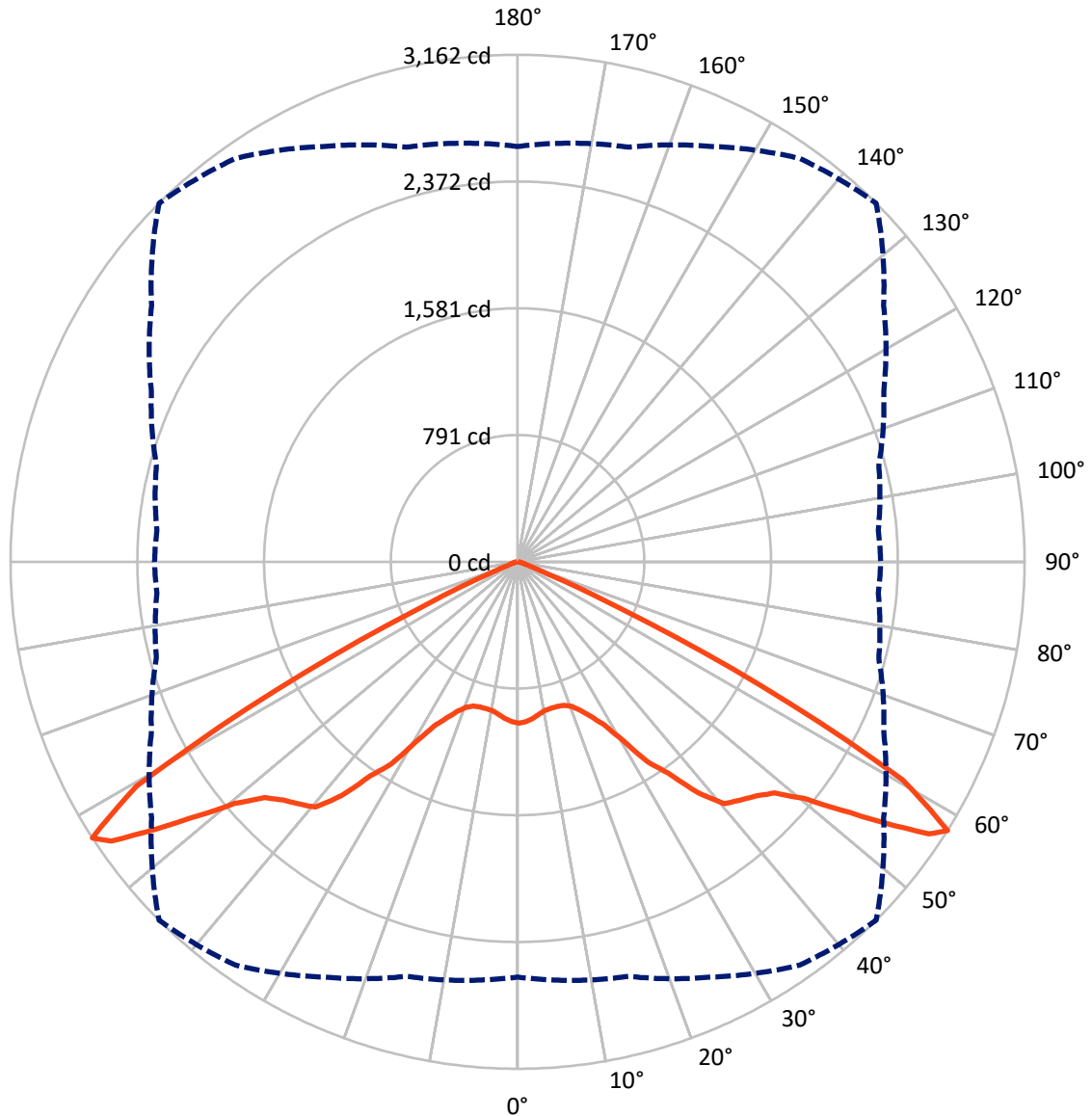
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P527939  
CATALOG NUMBER: GALN-SA3A-730-U-5WQ-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P527939  
 CATALOG NUMBER: GALN-SA3A-730-U-5WQ-GRSBK

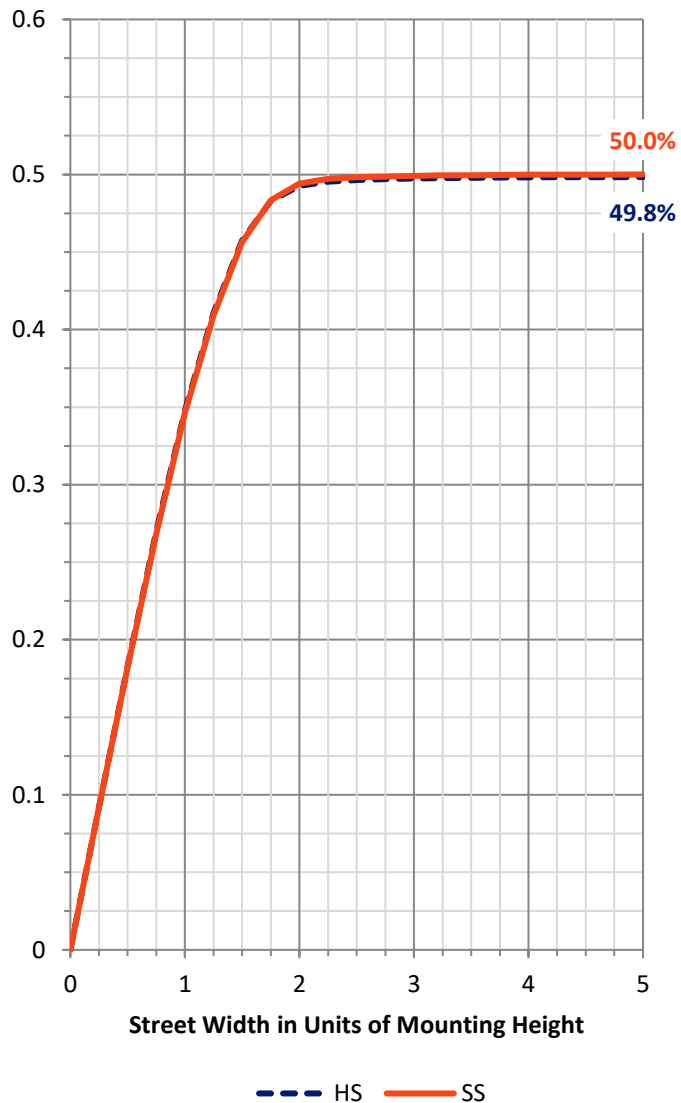
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3242.5	0.0	3242.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3242.5	0.0	3242.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6485.0	0.0	6485.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.4	1.4
10°-20°	267.2	4.1
20°-30°	493.2	7.6
30°-40°	969.9	15.0
40°-50°	1579.7	24.4
50°-60°	2252.9	34.7
60°-70°	780.0	12.0
70°-80°	41.8	0.6
80°-90°	7.9	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°	6485.0	100.0
0°-180°	6485.0	100.0

**Coefficient of Utilization**



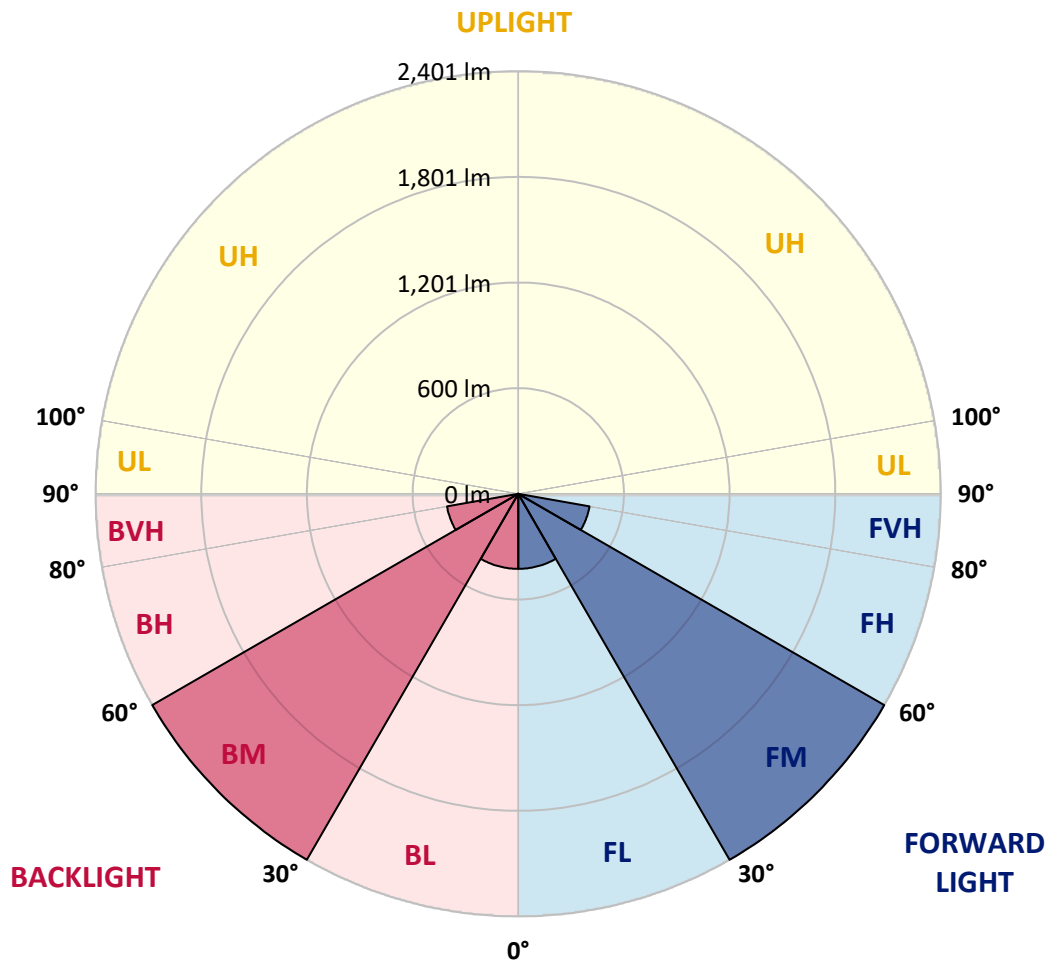
REPORT NUMBER: P527939  
 CATALOG NUMBER: GALN-SA3A-730-U-5WQ-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.4	6.6			
FM (30°-60°)	2401.2	37.0			
FH (60°-80°)	410.9	6.3			G0/660
FVH (80°-90°)	3.9	0.1			G0/10
BL (0°-30°)	426.4	6.6	B1/500		
BM (30°-60°)	2401.2	37.0	B2/2500		
BH (60°-80°)	410.9	6.3	B1/500		G0/660
BVH (80°-90°)	3.9	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: P527939

CATALOG NUMBER: GALN-SA3A-730-U-5WQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9
2.5°	1003.2	1008.6	1001.8	999.1	997.8	997.8	993.7	993.7	992.4	993.7	988.3
5°	987.0	992.4	992.4	991.0	982.9	981.6	977.5	974.8	976.1	970.7	974.8
7.5°	970.7	974.8	969.4	968.0	965.3	959.9	958.6	946.4	947.8	947.8	950.5
10°	968.0	966.7	958.6	951.8	943.7	942.3	938.3	935.6	935.6	934.2	938.3
12.5°	968.0	961.3	959.9	945.1	931.5	936.9	926.1	919.4	928.8	931.5	936.9
15°	966.7	973.4	950.5	943.7	934.2	935.6	926.1	919.4	924.8	927.5	931.5
17.5°	974.8	970.7	964.0	950.5	946.4	941.0	928.8	923.4	923.4	930.2	931.5
20°	996.4	985.6	972.1	965.3	969.4	962.6	947.8	927.5	932.9	938.3	942.3
22.5°	1016.7	1008.6	999.1	995.1	1018.1	1007.2	981.6	958.6	950.5	959.9	966.7
25°	1055.9	1055.9	1038.3	1043.7	1069.4	1070.8	1041.0	1000.5	995.1	999.1	1001.8
27.5°	1135.7	1139.7	1124.9	1130.3	1141.1	1150.6	1124.9	1091.1	1078.9	1077.5	1081.6
30°	1222.2	1230.3	1229.0	1252.0	1283.1	1288.5	1250.6	1195.2	1158.7	1151.9	1157.3
32.5°	1335.8	1339.8	1337.1	1364.2	1448.0	1487.2	1388.5	1310.1	1261.4	1273.6	1261.4
35°	1549.4	1545.3	1515.6	1521.0	1590.0	1618.3	1523.7	1473.7	1450.7	1475.0	1469.6
37.5°	1733.3	1718.4	1694.1	1729.2	1800.9	1826.6	1727.9	1640.0	1598.1	1638.6	1656.2
40°	1888.8	1850.9	1817.1	1852.2	1948.2	1983.4	1838.7	1767.1	1750.8	1780.6	1818.4
42.5°	2019.9	1995.6	1950.9	1953.6	2017.2	2033.4	1917.1	1875.2	1859.0	1906.3	1925.3
45°	2113.2	2090.2	2048.3	2045.6	2094.3	2083.4	1979.3	1950.9	1960.4	1991.5	2001.0
47.5°	2160.5	2172.7	2148.3	2155.1	2180.8	2155.1	2072.6	2072.6	2051.0	2069.9	2060.5
50°	2297.1	2259.2	2290.3	2290.3	2317.3	2320.0	2237.6	2207.8	2149.7	2117.2	2117.2
52.5°	2456.6	2459.3	2471.5	2516.1	2562.0	2601.3	2483.6	2356.5	2259.2	2217.3	2211.9
55°	2587.7	2614.8	2663.4	2747.3	2879.8	2933.8	2731.0	2503.9	2384.9	2320.0	2306.5
56°	2659.4	2633.7	2717.5	2832.4	3005.5	3075.8	2771.6	2533.7	2402.5	2329.5	2328.2
57.5°	2590.4	2618.8	2677.0	2858.1	3070.4	3162.3	2786.5	2520.1	2332.2	2257.8	2264.6
60°	2045.6	2072.6	2151.0	2353.8	2686.4	2758.1	2357.9	2078.0	1910.4	1803.6	1804.9
62.5°	1157.3	1177.6	1238.4	1426.4	1633.2	1702.2	1469.6	1283.1	1166.8	1107.3	1088.4
65°	425.9	417.8	427.2	523.2	650.3	708.5	611.1	516.5	455.6	434.0	425.9
67.5°	159.5	147.4	137.9	147.4	185.2	196.0	179.8	150.1	140.6	144.7	147.4
70°	98.7	93.3	74.4	70.3	69.0	67.6	71.7	75.7	86.5	101.4	104.1
72.5°	69.0	64.9	52.7	50.0	47.3	46.0	52.7	58.1	67.6	78.4	79.8
75°	27.0	28.4	27.0	29.7	31.1	32.4	37.9	41.9	46.0	46.0	44.6
77.5°	5.4	5.4	8.1	10.8	13.5	17.6	25.7	29.7	31.1	29.7	25.7
80°	0.0	0.0	2.7	5.4	10.8	14.9	23.0	25.7	28.4	25.7	20.3
82.5°	0.0	0.0	2.7	6.8	10.8	13.5	21.6	27.0	31.1	28.4	21.6
85°	0.0	0.0	2.7	5.4	8.1	9.5	9.5	6.8	6.8	4.1	2.7
87.5°	0.0	0.0	0.0	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)