

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: P527001

Luminaire Tested: **GALN-SA2A-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527001
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-SA2A-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5754 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

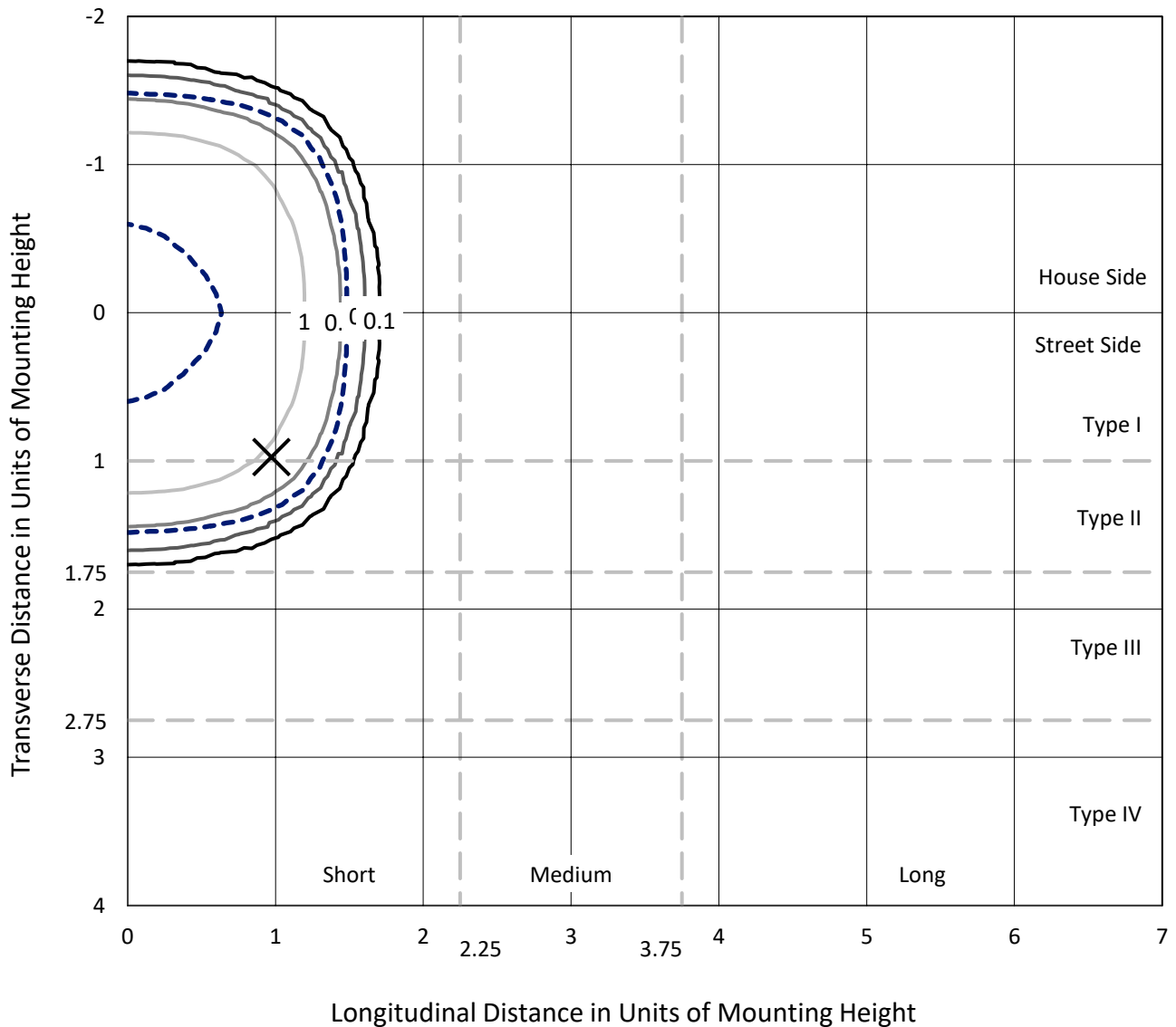
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527001
 CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

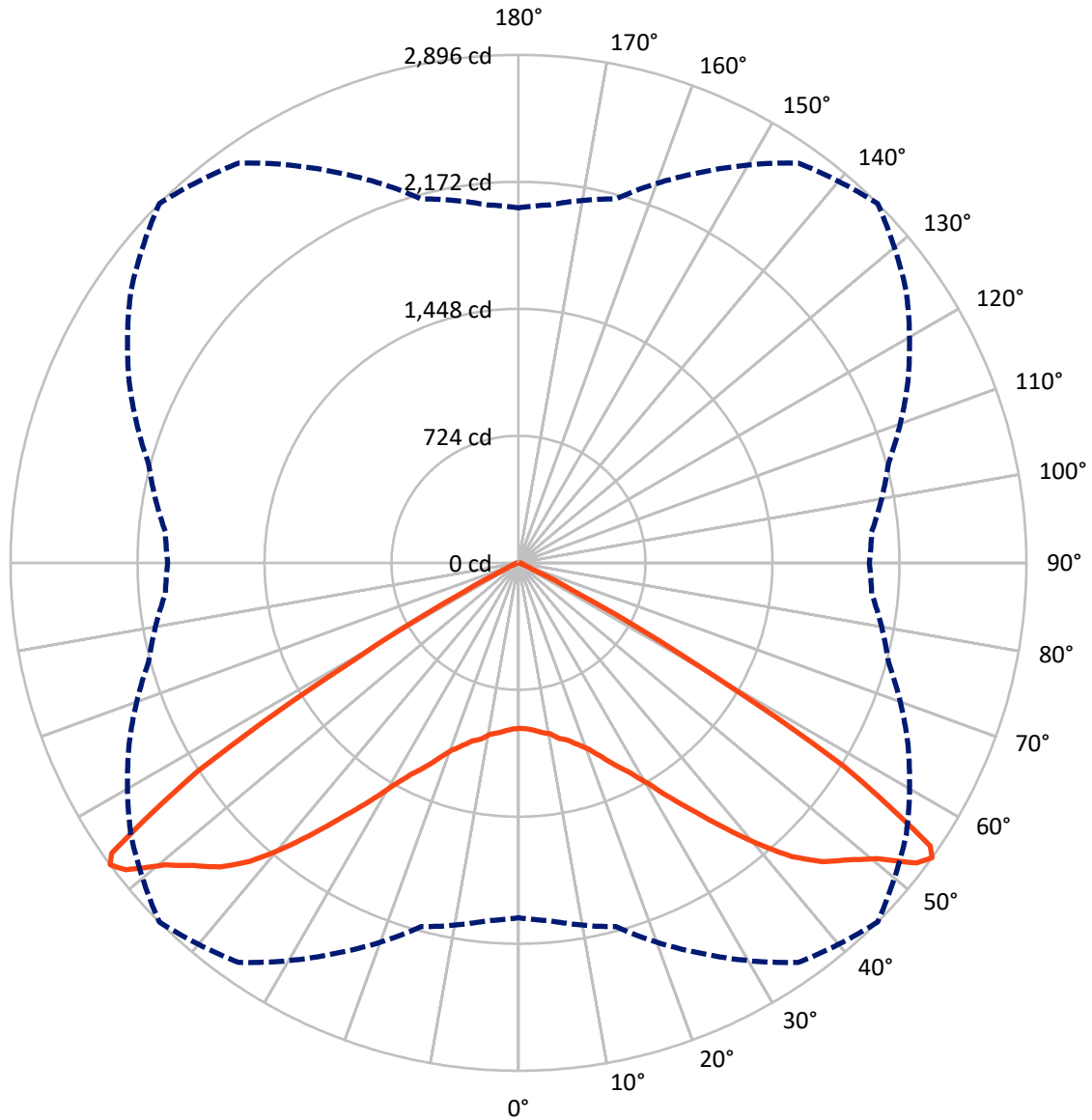
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

REPORT NUMBER: P527001
CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P527001
 CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2877.0	0.0	2877.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2877.0	0.0	2877.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5754.0	0.0	5754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	1.6
10°-20°	299.0	5.2
20°-30°	586.1	10.2
30°-40°	1053.9	18.3
40°-50°	1804.2	31.4
50°-60°	1745.7	30.3
60°-70°	149.4	2.6
70°-80°	17.7	0.3
80°-90°	5.6	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°	5754.0	100.0
0°-180°	5754.0	100.0

Coefficient of Utilization

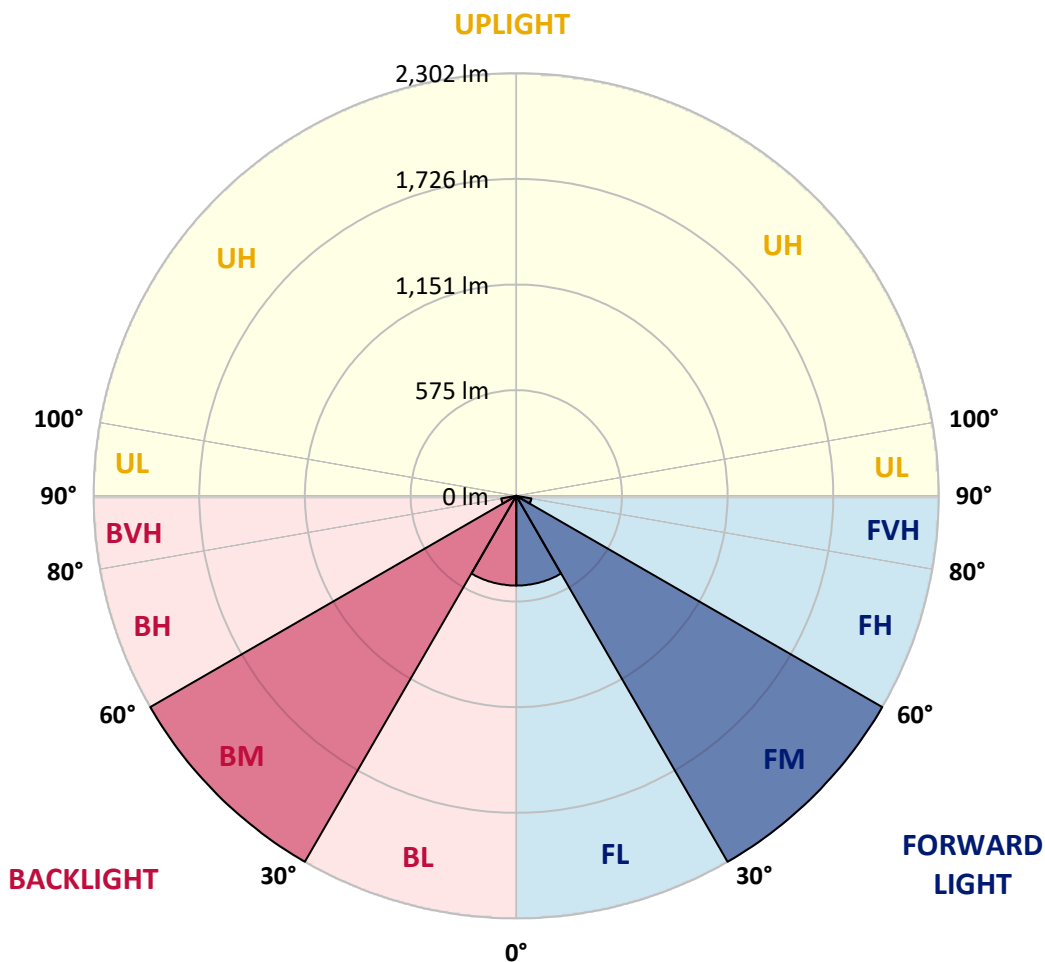


REPORT NUMBER: P527001
 CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	488.7	8.5			
FM (30°-60°)	2301.9	40.0			
FH (60°-80°)	83.6	1.5			G0/660
FVH (80°-90°)	2.8	0.0			G0/10
BL (0°-30°)	488.7	8.5	B1/500		
BM (30°-60°)	2301.9	40.0	B2/2500		
BH (60°-80°)	83.6	1.5	B0/110		G0/660
BVH (80°-90°)	2.8	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





REPORT NUMBER: P527001

CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	948.0	953.5	949.9	952.6	952.6	948.0	950.8	939.8	947.1	941.7	942.6
5°	962.6	961.7	961.7	962.6	959.0	960.8	957.2	953.5	950.8	947.1	958.1
7.5°	980.9	980.9	974.5	976.3	974.5	977.2	969.9	962.6	959.9	957.2	955.3
10°	998.2	996.3	993.6	1001.8	995.4	991.8	988.1	983.6	973.6	969.9	966.3
12.5°	1023.7	1022.8	1019.1	1027.3	1023.7	1027.3	1013.7	1001.8	1000.0	988.1	994.5
15°	1053.8	1062.0	1055.6	1055.6	1053.8	1049.2	1043.7	1038.3	1021.9	1017.3	1018.2
17.5°	1093.0	1090.2	1091.2	1091.2	1100.3	1088.4	1077.5	1063.8	1055.6	1052.9	1043.7
20°	1130.3	1134.0	1133.1	1139.5	1144.9	1132.2	1120.3	1118.5	1095.7	1099.4	1086.6
22.5°	1196.0	1193.2	1197.8	1202.4	1198.7	1196.9	1186.0	1172.3	1152.2	1143.1	1141.3
25°	1265.3	1260.7	1252.5	1263.4	1268.9	1277.1	1256.1	1248.9	1217.9	1204.2	1205.1
27.5°	1324.5	1330.9	1340.0	1344.6	1358.2	1355.5	1340.9	1317.2	1293.5	1278.0	1268.0
30°	1405.6	1409.3	1424.8	1431.2	1454.9	1461.2	1438.5	1411.1	1369.2	1349.1	1337.3
32.5°	1480.4	1505.9	1505.0	1536.9	1575.2	1601.6	1560.6	1518.7	1476.7	1453.0	1432.1
35°	1601.6	1597.1	1623.5	1657.2	1719.2	1749.3	1704.6	1656.3	1592.5	1554.2	1537.8
37.5°	1714.7	1716.5	1752.0	1805.8	1876.9	1923.4	1884.2	1804.9	1739.3	1690.1	1667.3
40°	1878.7	1882.4	1918.9	1979.9	2060.2	2110.3	2064.7	1984.5	1897.0	1858.7	1858.7
42.5°	2071.1	2086.6	2110.3	2163.2	2235.2	2290.8	2249.8	2186.9	2098.4	2049.2	2056.5
45°	2268.9	2276.2	2291.7	2370.1	2403.8	2431.2	2392.9	2363.7	2304.5	2244.3	2234.3
47.5°	2454.0	2456.7	2502.3	2526.9	2553.3	2530.5	2555.1	2516.8	2450.3	2392.0	2380.1
50°	2536.0	2531.4	2596.2	2670.9	2691.0	2650.9	2629.9	2604.4	2503.2	2433.0	2402.0
52.5°	2297.2	2323.6	2443.9	2651.8	2808.6	2842.3	2720.1	2602.5	2413.8	2277.1	2256.1
54°	2023.7	2048.3	2147.7	2455.8	2782.1	2896.1	2699.2	2449.4	2183.2	2021.0	2000.0
55°	1753.0	1725.6	1906.1	2220.6	2658.1	2848.7	2616.2	2251.6	1947.1	1798.5	1769.4
57.5°	948.9	953.5	1105.7	1402.9	1867.8	2184.1	1928.9	1523.2	1150.4	983.6	969.0
60°	300.8	308.1	374.7	567.0	892.4	1065.6	913.4	611.7	423.0	339.1	325.4
62.5°	93.9	97.5	106.7	158.6	244.3	349.1	273.5	164.1	122.2	112.1	113.9
65°	57.4	57.4	58.3	62.0	72.9	84.8	82.0	72.0	69.3	67.5	66.5
67.5°	37.4	36.5	38.3	41.0	42.8	43.8	46.5	49.2	48.3	46.5	46.5
70°	22.8	21.9	23.7	27.3	28.3	30.1	32.8	36.5	35.6	33.7	34.6
72.5°	12.8	12.8	13.7	16.4	19.1	21.0	23.7	26.4	27.3	26.4	26.4
75°	4.6	5.5	7.3	10.0	11.9	14.6	17.3	20.1	22.8	21.0	20.1
77.5°	1.8	1.8	3.6	6.4	9.1	11.9	16.4	19.1	21.0	19.1	17.3
80°	0.9	0.9	2.7	5.5	8.2	10.9	13.7	16.4	17.3	15.5	13.7
82.5°	0.9	0.9	2.7	5.5	8.2	10.0	14.6	16.4	18.2	16.4	13.7
85°	0.0	0.9	2.7	5.5	7.3	8.2	8.2	5.5	4.6	2.7	2.7
87.5°	0.0	0.0	0.9	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)