

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: P531214

Luminaire Tested: **GALN-SA6C-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34198 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

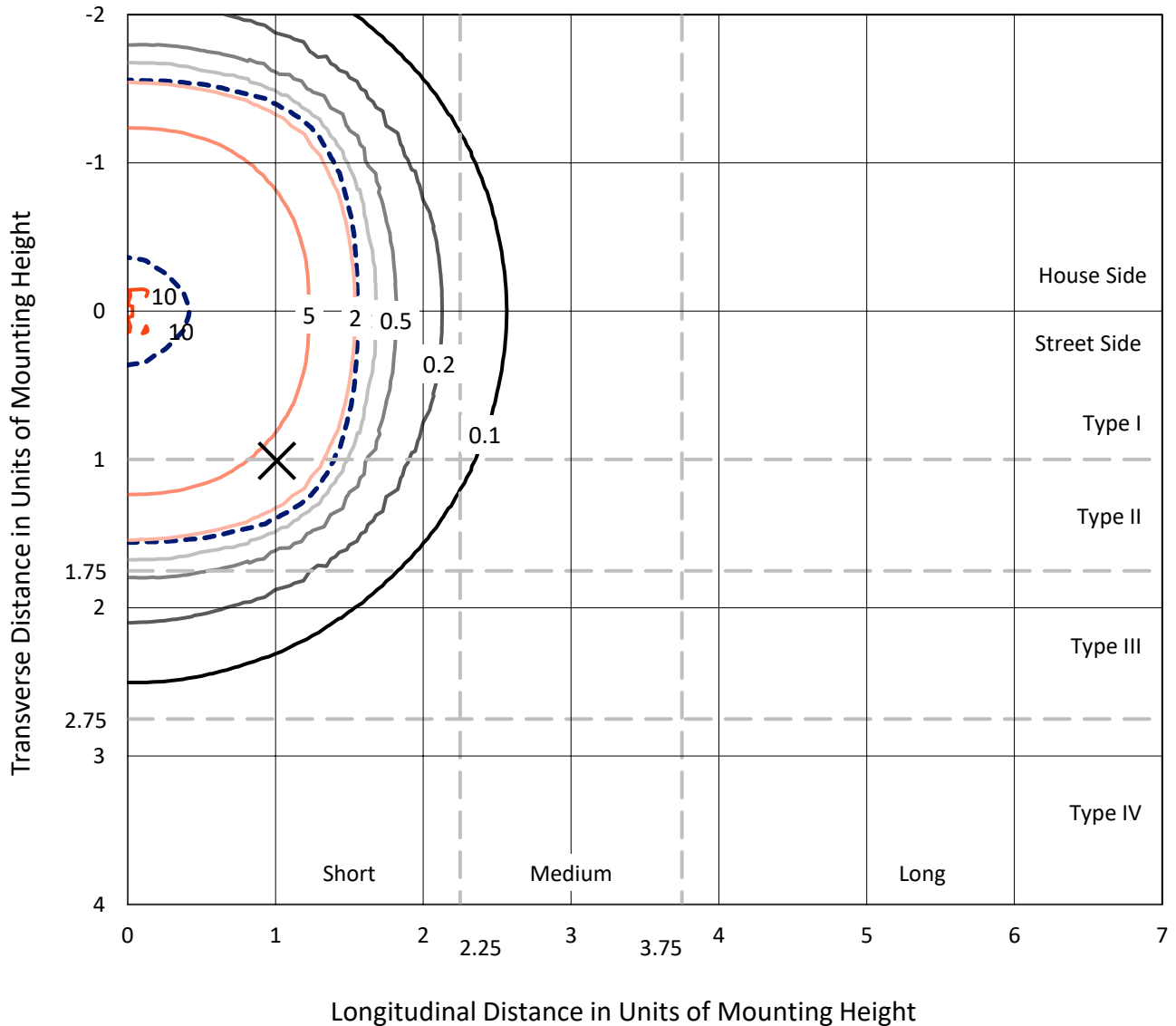
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531214
 CATALOG NUMBER: GALN-SA6C-730-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

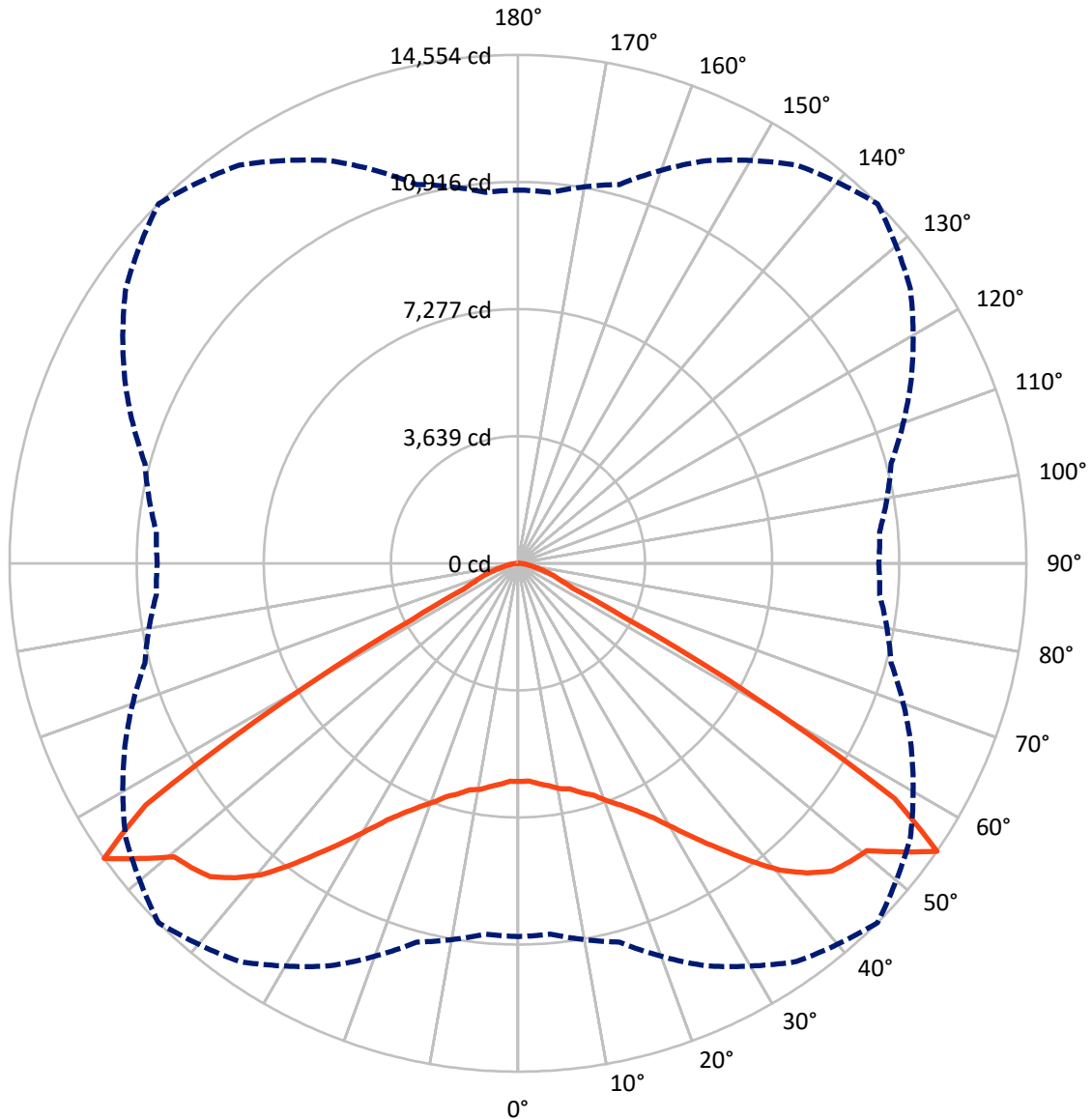
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type V - Short - N/A

REPORT NUMBER: P531214
CATALOG NUMBER: GALN-SA6C-730-U-5NQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P531214
 CATALOG NUMBER: GALN-SA6C-730-U-5NQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17099.0	0.0	17099.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17099.0	0.0	17099.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34198.0	0.0	34198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.0	1.8
10°-20°	1932.7	5.7
20°-30°	3604.0	10.5
30°-40°	6034.2	17.6
40°-50°	9389.7	27.5
50°-60°	9749.4	28.5
60°-70°	2067.5	6.0
70°-80°	680.9	2.0
80°-90°	129.7	0.4
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°	34198.0	100.0
0°-180°	34198.0	100.0

Coefficient of Utilization



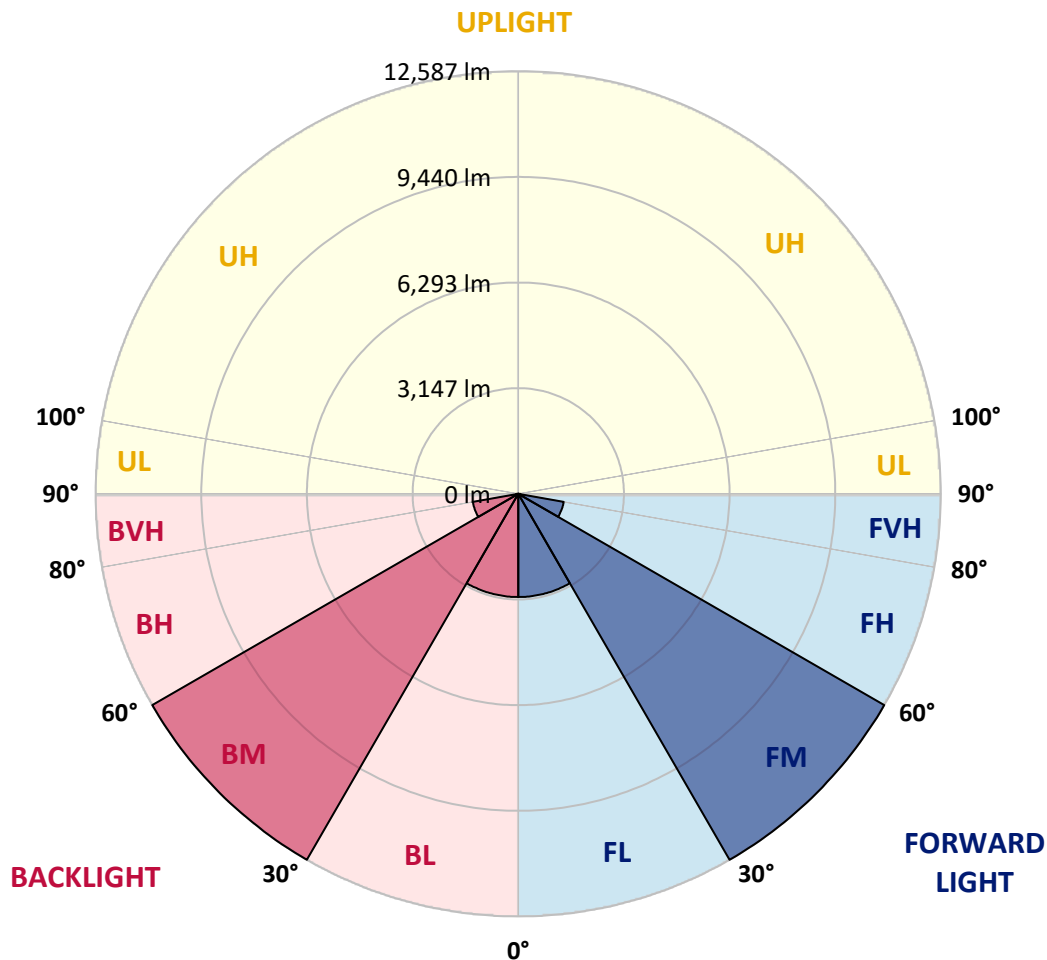
REPORT NUMBER: P531214
 CATALOG NUMBER: GALN-SA6C-730-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3073.3	9.0			
FM (30°-60°)	12586.6	36.8			
FH (60°-80°)	1374.2	4.0			G1/1800
FVH (80°-90°)	64.8	0.2			G1/100
BL (0°-30°)	3073.3	9.0	B4/5000		
BM (30°-60°)	12586.6	36.8	B5		
BH (60°-80°)	1374.2	4.0	B3/2500		G1/1800
BVH (80°-90°)	64.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P531214

CATALOG NUMBER: GALN-SA6C-730-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6244.0	6244.0	6244.0	6244.0	6244.0	6244.0	6244.0	6244.0	6244.0	6244.0	6244.0
2.5°	6318.4	6289.5	6239.9	6277.1	6306.0	6244.0	6268.8	6281.2	6273.0	6239.9	6252.3
5°	6409.3	6392.8	6351.5	6380.4	6343.2	6343.2	6318.4	6285.4	6335.0	6326.7	6347.4
7.5°	6409.3	6388.7	6471.3	6417.6	6434.1	6434.1	6392.8	6359.8	6384.5	6347.4	6326.7
10°	6537.4	6566.4	6529.2	6541.6	6533.3	6562.2	6500.3	6479.6	6458.9	6446.5	6421.7
12.5°	6690.3	6669.7	6682.1	6673.8	6702.7	6628.4	6591.2	6545.7	6582.9	6529.2	6566.4
15°	6814.3	6801.9	6814.3	6847.4	6818.4	6814.3	6748.2	6702.7	6644.9	6657.3	6599.4
17.5°	6983.7	6971.3	6975.5	7004.4	7000.3	6979.6	6930.0	6843.2	6822.6	6789.5	6752.3
20°	7235.8	7215.2	7206.9	7219.3	7240.0	7256.5	7157.3	7124.2	7054.0	7000.3	6938.3
22.5°	7450.7	7442.4	7475.5	7421.8	7467.2	7516.8	7421.8	7405.2	7231.7	7202.8	7136.6
25°	7748.2	7735.8	7715.2	7793.7	7847.4	7843.3	7752.4	7661.5	7529.2	7496.2	7496.2
27.5°	8062.3	7992.0	8099.5	8120.2	8215.2	8244.1	8165.6	8033.4	7909.4	7839.1	7855.7
30°	8454.9	8388.8	8413.6	8562.3	8686.3	8793.7	8595.4	8401.2	8227.6	8103.6	8083.0
32.5°	8847.5	8781.3	8855.7	9000.4	9248.3	9409.5	9215.2	8876.4	8673.9	8492.1	8529.3
35°	9165.6	9215.2	9335.1	9554.1	9810.3	10070.6	9760.7	9500.4	9211.1	9008.6	9037.5
37.5°	9678.1	9831.0	9926.0	10178.1	10541.7	10810.3	10488.0	10149.2	9839.2	9574.8	9483.8
40°	10347.5	10450.8	10558.3	10855.8	11285.6	11554.2	11248.4	10806.2	10500.4	10227.7	10215.3
42.5°	11083.1	11182.3	11293.8	11657.5	11913.7	12116.2	11835.2	11599.6	11260.8	11045.9	11033.5
45°	11938.5	11868.2	11992.2	12231.9	12446.8	12579.0	12397.2	12281.5	12037.7	11839.3	11818.6
47.5°	12508.8	12446.8	12669.9	12884.8	12917.9	12773.2	12810.4	12917.9	12661.6	12335.2	12438.5
50°	12839.3	12839.3	12988.1	13186.5	13124.5	12938.5	13231.9	13240.2	12984.0	12694.7	12694.7
52.5°	12264.9	12393.0	12814.5	13463.3	13670.0	13723.7	13657.6	13376.6	12707.1	12116.2	12087.2
55°	10686.4	10657.4	11227.7	12715.4	13917.9	14554.3	13711.3	12417.8	11058.3	10393.0	10326.8
57.5°	6950.7	6983.7	7835.0	9351.6	11521.1	12707.1	11285.6	9467.3	7835.0	6917.6	7004.4
60°	3128.2	3239.8	3756.3	4888.6	6752.3	7719.3	6768.9	5136.6	3942.3	3421.6	3467.1
62.5°	1797.6	1818.3	1838.9	2181.9	2876.1	3401.0	2987.7	2305.9	2033.1	1942.2	1942.2
65°	1516.6	1504.2	1508.3	1537.2	1611.6	1719.1	1673.6	1611.6	1619.9	1611.6	1599.2
67.5°	1289.3	1305.8	1293.4	1314.1	1318.2	1334.8	1363.7	1388.5	1392.6	1400.9	1392.6
70°	1057.9	1062.0	1070.3	1086.8	1091.0	1103.3	1144.7	1165.3	1177.7	1177.7	1194.3
72.5°	809.9	805.8	814.1	830.6	851.3	855.4	892.6	921.5	938.1	917.4	921.5
75°	533.1	537.2	549.6	562.0	590.9	619.9	632.3	661.2	665.3	673.6	652.9
77.5°	318.2	326.5	338.9	363.7	388.4	413.2	442.2	462.8	471.1	462.8	438.0
80°	206.6	206.6	223.1	243.8	272.7	293.4	309.9	326.5	338.9	326.5	318.2
82.5°	128.1	128.1	148.8	173.6	194.2	206.6	231.4	252.1	264.5	256.2	243.8
85°	66.1	70.3	86.8	107.4	124.0	132.2	128.1	115.7	103.3	99.2	90.9
87.5°	20.7	20.7	24.8	24.8	20.7	20.7	24.8	20.7	24.8	24.8	24.8
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)