

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: P455368

Luminaire Tested: **GALN-SA6C-740-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-740-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41616 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

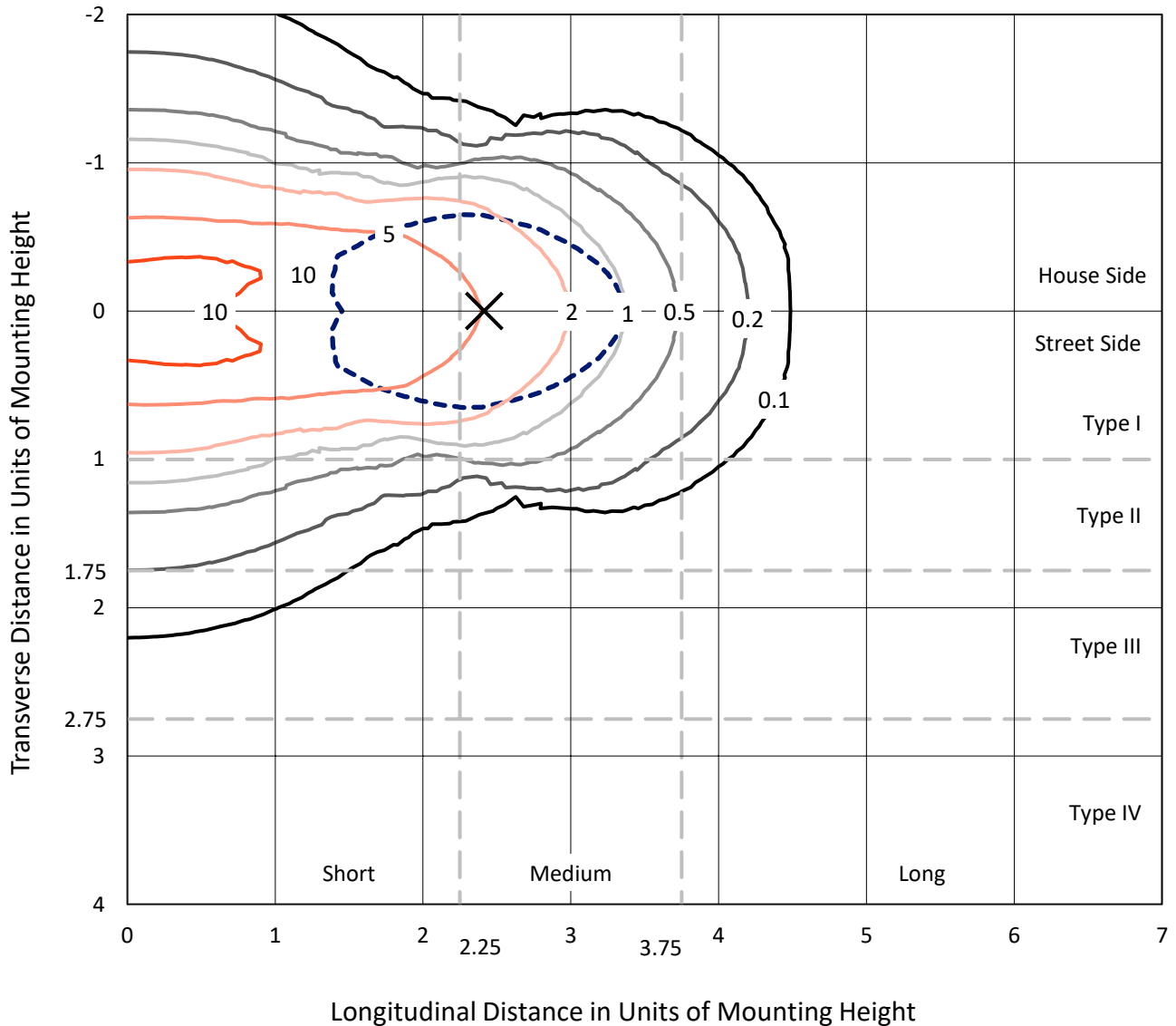
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455368
 CATALOG NUMBER: GALN-SA6C-740-U-T1

Iso-Footcandle Lines of Horizontal Illumination

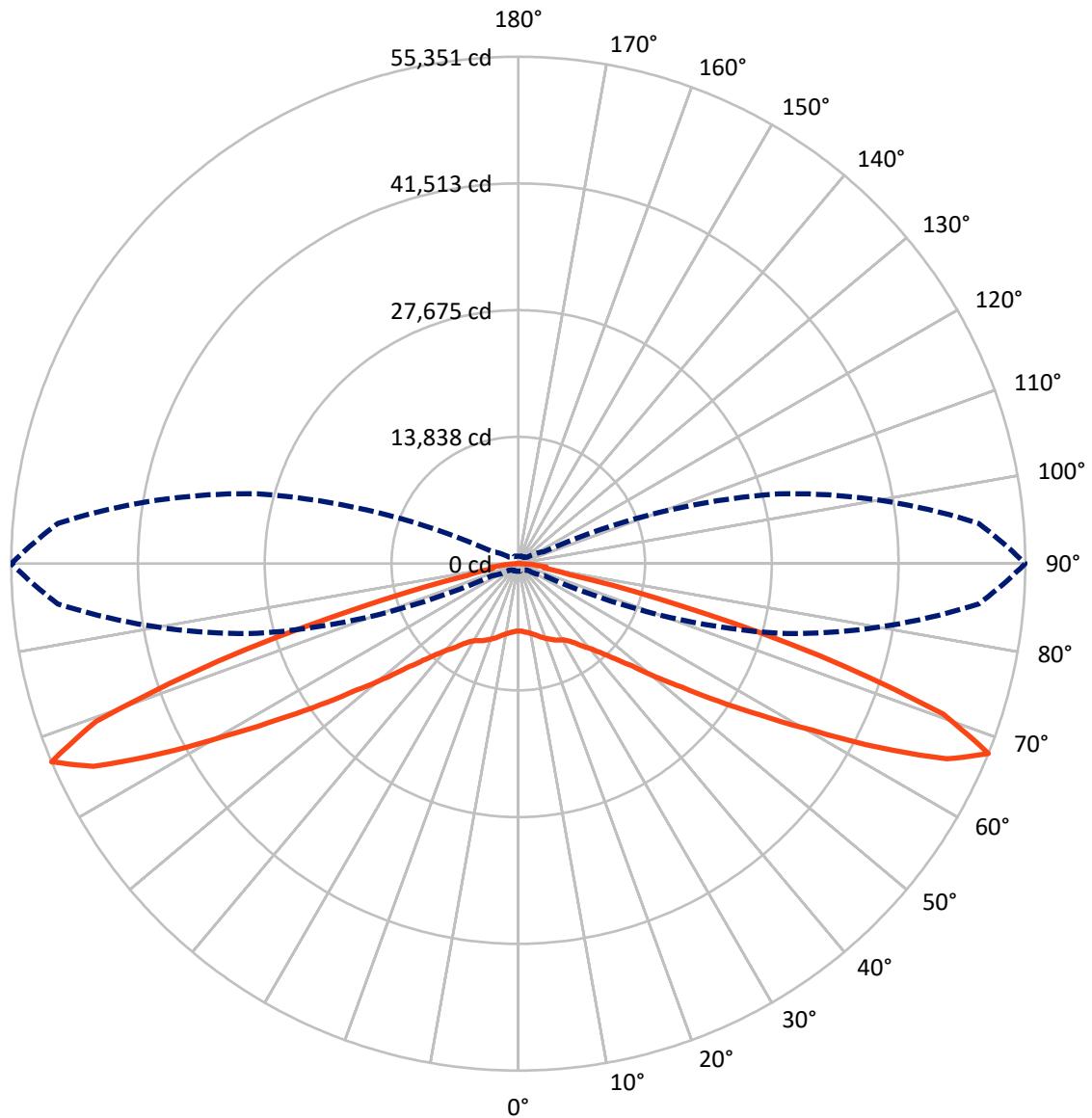
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type I - Short - N/A

REPORT NUMBER: P455368
CATALOG NUMBER: GALN-SA6C-740-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P455368

CATALOG NUMBER: GALN-SA6C-740-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20808.0	0.0	20808.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20808.0	0.0	20808.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41616.0	0.0	41616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.5	1.8
10°-20°	2350.1	5.6
20°-30°	3933.4	9.5
30°-40°	5328.8	12.8
40°-50°	6749.7	16.2
50°-60°	8432.1	20.3
60°-70°	9911.6	23.8
70°-80°	3791.6	9.1
80°-90°	384.1	0.9
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°	41616.0	100.0
0°-180°	41616.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455368

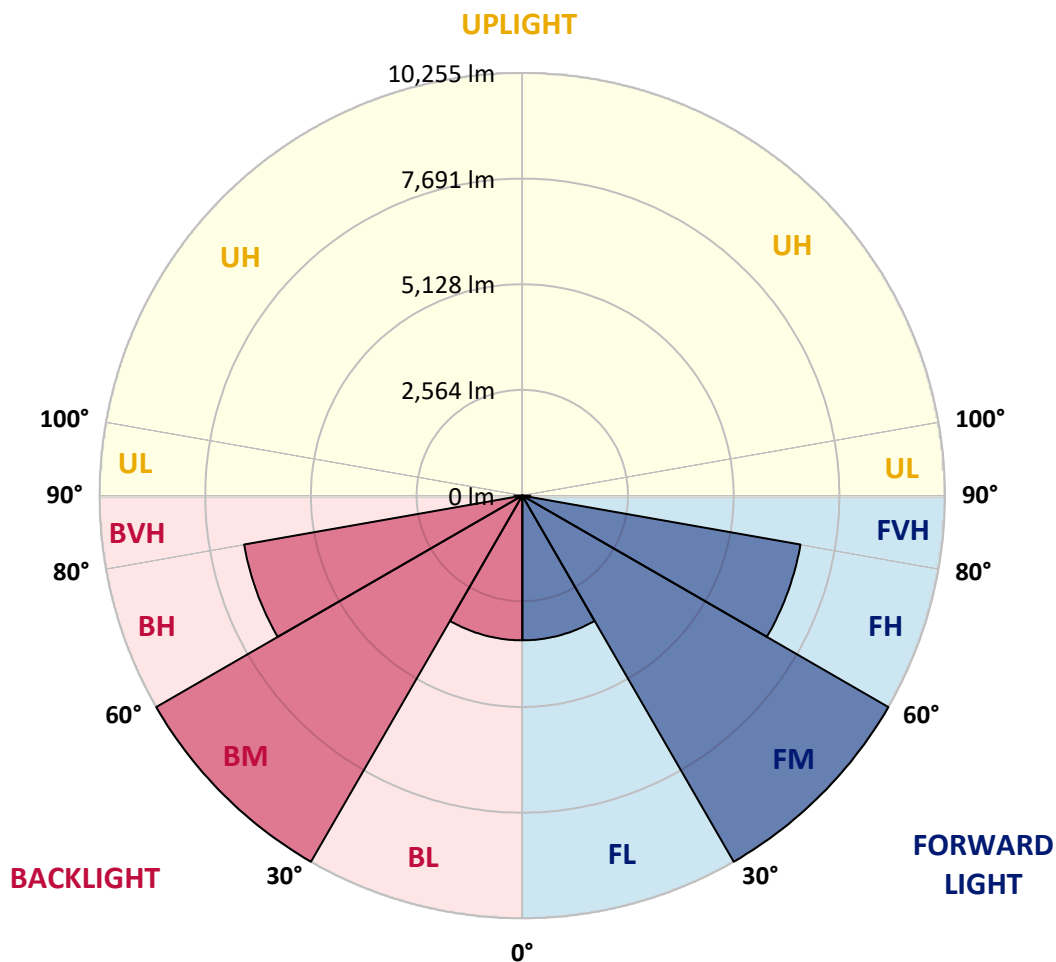
CATALOG NUMBER: GALN-SA6C-740-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3509.0	8.4			
FM (30°-60°)	10255.3	24.6			
FH (60°-80°)	6851.6	16.5			G3/7500
FVH (80°-90°)	192.1	0.5			G2/225
BL (0°-30°)	3509.0	8.4	B4/5000		
BM (30°-60°)	10255.3	24.6	B5		
BH (60°-80°)	6851.6	16.5	B5		G5
BVH (80°-90°)	192.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short





REPORT NUMBER: P455368

CATALOG NUMBER: GALN-SA6C-740-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7367.3	7367.3	7367.3	7367.3	7367.3	7367.3	7367.3	7367.3	7367.3	7367.3	7367.3
2.5°	7461.8	7457.2	7459.5	7457.2	7464.1	7459.5	7431.9	7408.8	7390.4	7392.7	7385.8
5°	7620.8	7623.1	7625.4	7613.9	7630.0	7620.8	7577.0	7540.2	7503.3	7489.5	7484.9
7.5°	7752.2	7763.7	7770.6	7782.1	7809.8	7809.8	7786.7	7733.7	7653.1	7607.0	7604.7
10°	7883.5	7892.7	7913.5	7950.4	7996.4	8040.2	8031.0	7959.6	7855.9	7777.5	7759.1
12.5°	7929.6	7941.1	8010.3	8116.3	8220.0	8305.2	8305.2	8247.6	8114.0	7994.1	7959.6
15°	7768.3	7789.0	7913.5	8139.3	8411.2	8597.9	8639.4	8558.7	8415.9	8231.5	8190.0
17.5°	7448.0	7498.7	7680.7	8014.9	8466.6	8853.7	8973.5	8934.4	8750.0	8514.9	8466.6
20°	7104.6	7159.9	7353.5	7796.0	8420.5	9003.5	9351.5	9360.7	9132.5	8791.5	8720.0
22.5°	6726.7	6768.2	7017.1	7535.6	8282.2	9038.1	9676.4	9835.4	9526.6	9068.0	8966.6
25°	6302.7	6348.8	6609.2	7169.1	8021.8	8998.9	9973.7	10323.9	9939.1	9363.0	9233.9
27.5°	5897.1	5915.5	6194.4	6763.6	7678.4	8897.5	10192.6	10773.3	10395.4	9607.3	9443.6
30°	5507.6	5551.4	5798.0	6360.3	7284.4	8699.3	10381.5	11284.9	10886.2	9863.0	9653.3
32.5°	5095.1	5148.1	5415.5	5984.7	6890.3	8402.0	10496.8	11844.9	11570.6	10277.8	10054.3
35°	4698.8	4733.3	5003.0	5556.0	6505.5	8056.4	10517.5	12476.3	12453.2	10907.0	10609.7
37.5°	4293.2	4343.9	4615.8	5145.8	6097.6	7690.0	10413.8	13146.9	13517.9	11780.4	11460.0
40°	3903.7	3947.5	4214.8	4749.5	5634.4	7242.9	10167.2	13759.9	14760.0	12679.1	12225.1
42.5°	3479.7	3491.2	3783.9	4327.8	5180.4	6724.4	9812.3	14306.0	16145.0	13884.3	13319.7
45°	2998.1	3028.0	3300.0	3834.6	4659.6	6143.7	9330.7	14757.7	17901.0	15555.0	14785.4
47.5°	2516.5	2541.8	2790.7	3318.4	4090.4	5477.7	8588.7	15154.1	19703.1	17677.4	16668.1
50°	2046.4	2060.2	2263.0	2730.8	3449.8	4777.1	7669.2	15280.8	21740.2	20682.4	19394.3
52.5°	1617.7	1638.5	1792.9	2159.3	2765.3	3949.8	6676.0	14967.4	24118.4	24245.1	22429.2
55°	1311.2	1318.1	1433.4	1703.0	2161.6	3083.4	5477.7	14094.0	26676.3	28810.2	26494.3
57.5°	1129.2	1133.8	1198.3	1348.1	1663.8	2325.2	4249.4	12441.7	28973.9	34158.9	31181.5
60°	1025.5	1027.8	1064.7	1152.2	1318.1	1783.6	3044.2	10109.6	31241.4	40111.3	37007.2
62.5°	961.0	961.0	986.3	1034.7	1115.4	1368.8	2205.4	7293.6	32794.6	46151.2	44187.8
65°	898.7	898.7	917.2	951.7	995.5	1120.0	1629.2	4756.4	32755.5	50550.4	51410.0
67.5°	827.3	827.3	841.1	875.7	901.0	963.3	1258.2	3115.6	29423.2	50453.6	55350.6
70°	742.0	742.0	760.5	790.4	811.2	850.3	993.2	2131.6	21615.7	43079.4	49225.4
72.5°	656.8	659.1	670.6	700.6	716.7	739.7	825.0	1493.3	13259.8	29333.3	34419.3
75°	562.3	566.9	578.4	608.4	622.2	631.4	695.9	1064.7	6708.3	15815.4	18007.0
77.5°	454.0	463.2	470.1	502.4	511.6	525.4	573.8	769.7	2945.1	5682.8	5733.5
80°	331.8	343.4	364.1	394.1	401.0	410.2	437.8	546.2	1334.3	2594.8	2818.3
82.5°	244.3	260.4	235.1	274.2	274.2	262.7	308.8	366.4	613.0	2569.5	3074.1
85°	133.7	136.0	122.1	140.6	149.8	147.5	163.6	179.7	297.3	1714.5	1767.5
87.5°	32.3	34.6	36.9	43.8	53.0	53.0	57.6	50.7	96.8	555.4	318.0
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)