

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: P527702

Luminaire Tested: **GALN-SA2D-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2D-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12505 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

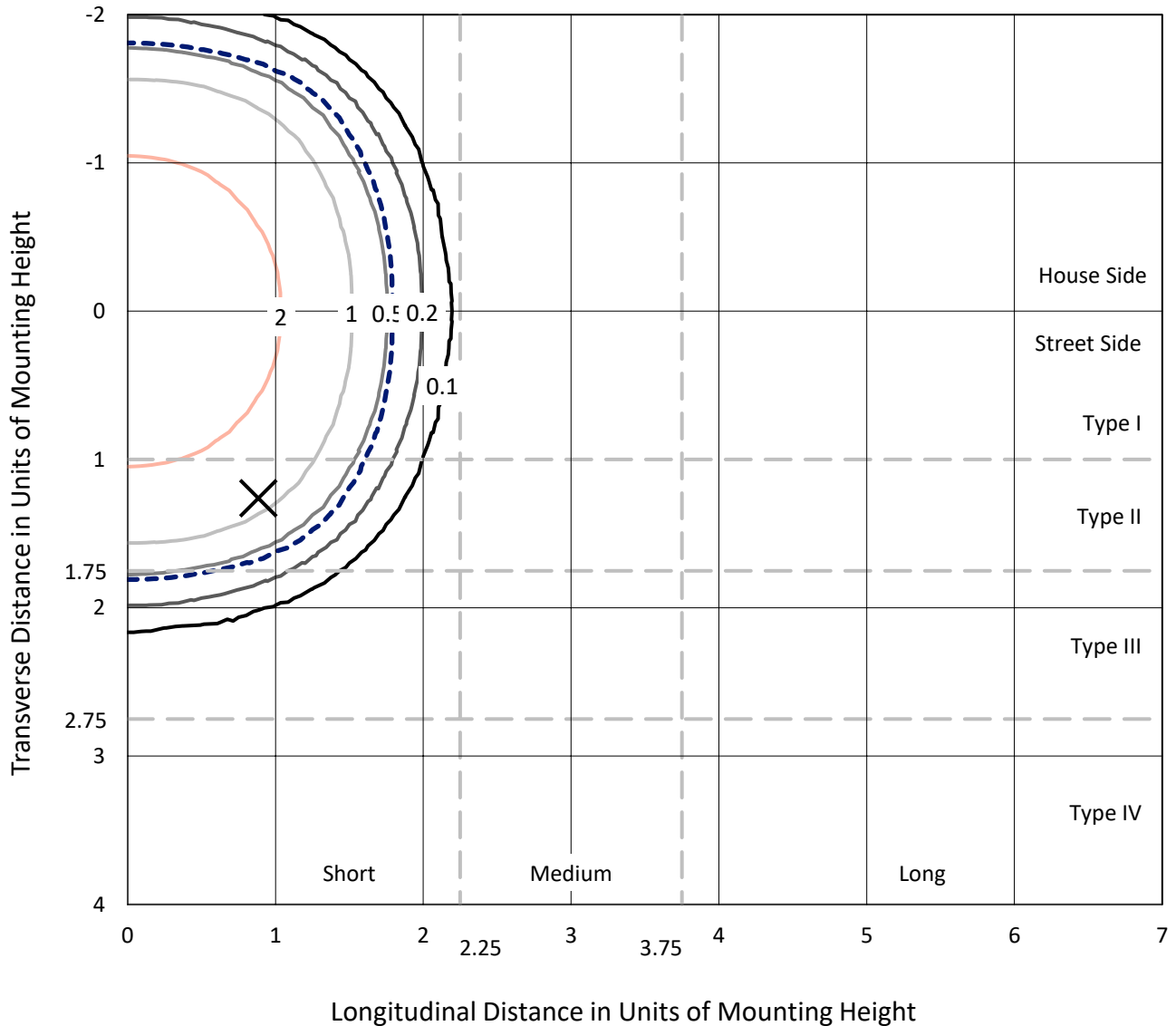
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527702
 CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

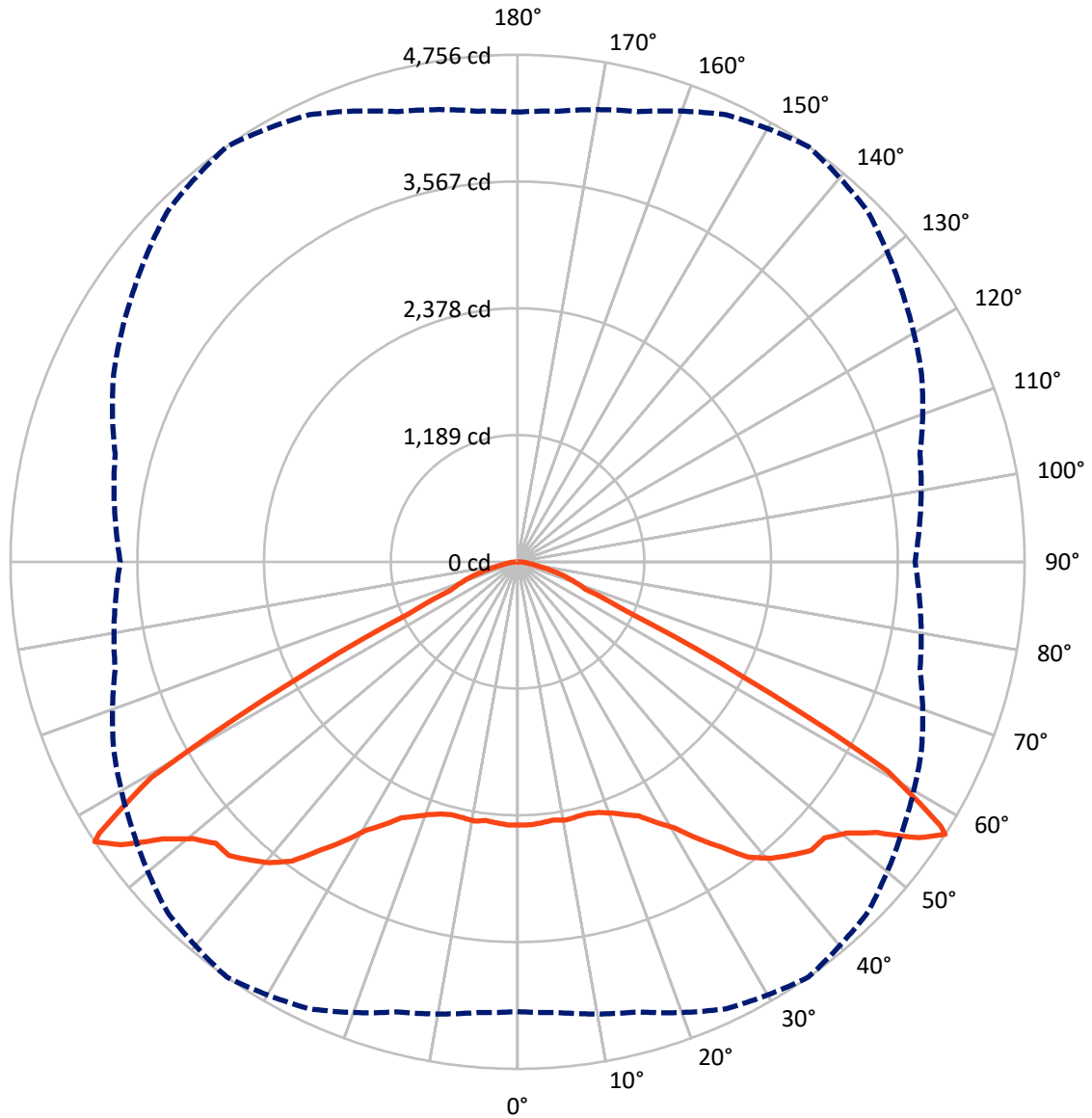
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P527702
CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P527702
 CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6252.5	0.0	6252.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6252.5	0.0	6252.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12505.0	0.0	12505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	1.9
10°-20°	693.4	5.5
20°-30°	1211.1	9.7
30°-40°	1984.4	15.9
40°-50°	2909.6	23.3
50°-60°	3664.8	29.3
60°-70°	1378.3	11.0
70°-80°	366.5	2.9
80°-90°	62.8	0.5
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°	12505.0	100.0
0°-180°	12505.0	100.0

Coefficient of Utilization



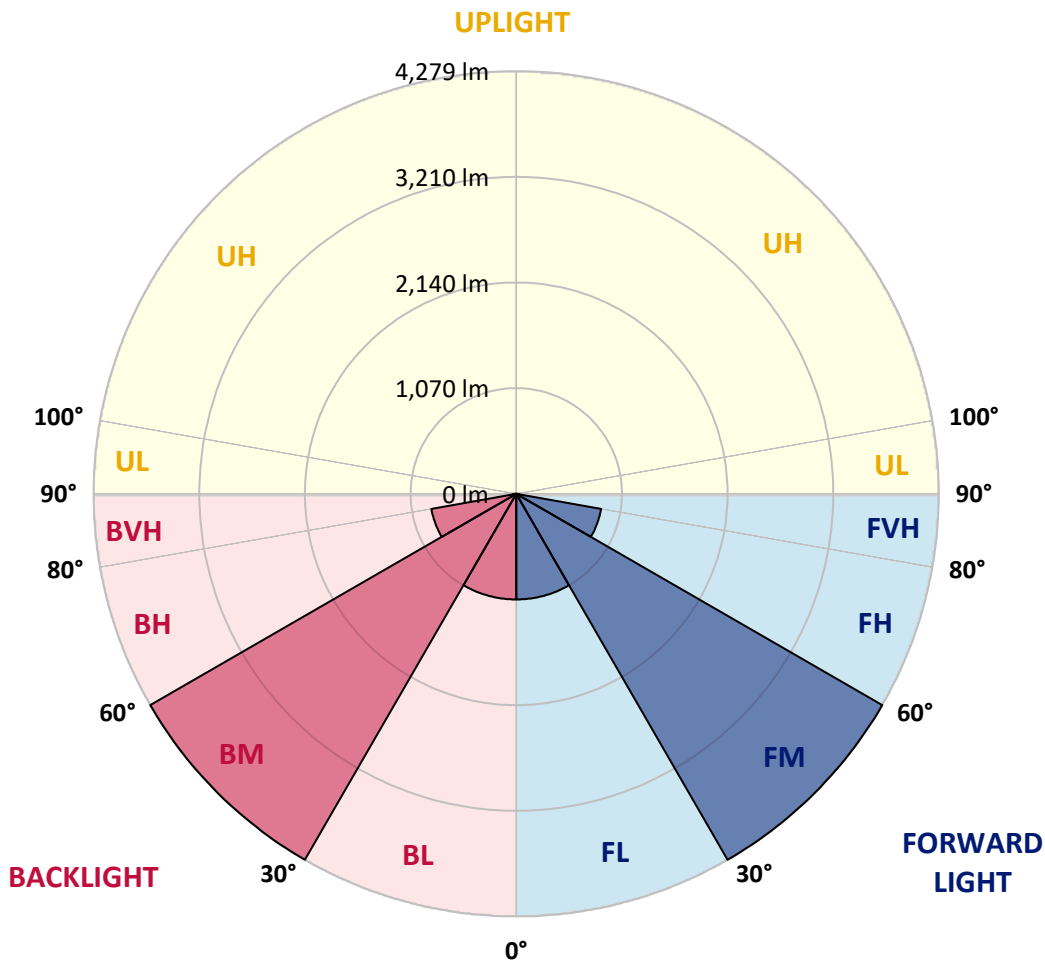
REPORT NUMBER: P527702
 CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1069.3	8.6			
FM (30°-60°)	4279.4	34.2			
FH (60°-80°)	872.4	7.0			G1/1800
FVH (80°-90°)	31.4	0.3			G1/100
BL (0°-30°)	1069.3	8.6	B3/2500		
BM (30°-60°)	4279.4	34.2	B3/5000		
BH (60°-80°)	872.4	7.0	B2/1000		G1/1800
BVH (80°-90°)	31.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P527702
 CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2469.6	2469.6	2469.6	2469.6	2469.6	2469.6	2469.6	2469.6	2469.6	2469.6	2469.6
2.5°	2457.3	2482.0	2471.2	2465.0	2469.6	2461.9	2449.6	2463.5	2460.4	2448.1	2443.5
5°	2451.2	2469.6	2457.3	2469.6	2457.3	2478.9	2472.7	2449.6	2477.3	2451.2	2460.4
7.5°	2446.5	2452.7	2455.8	2449.6	2445.0	2471.2	2457.3	2446.5	2431.1	2426.5	2434.2
10°	2435.8	2451.2	2428.0	2458.9	2465.0	2446.5	2446.5	2426.5	2414.2	2406.5	2432.7
12.5°	2463.5	2437.3	2434.2	2449.6	2454.2	2461.9	2440.4	2429.6	2406.5	2409.6	2404.9
15°	2431.1	2441.9	2443.5	2446.5	2451.2	2469.6	2449.6	2426.5	2417.3	2384.9	2388.0
17.5°	2443.5	2432.7	2443.5	2478.9	2472.7	2486.6	2465.0	2429.6	2408.0	2389.5	2414.2
20°	2465.0	2460.4	2465.0	2508.2	2515.9	2528.2	2509.7	2477.3	2435.8	2414.2	2426.5
22.5°	2488.1	2485.1	2488.1	2529.7	2574.4	2589.8	2571.3	2495.8	2474.3	2434.2	2420.3
25°	2529.7	2532.8	2565.2	2611.4	2640.7	2669.9	2636.0	2582.1	2512.8	2488.1	2458.9
27.5°	2622.2	2629.9	2648.4	2716.1	2767.0	2793.2	2745.4	2671.5	2628.3	2577.5	2569.8
30°	2736.2	2736.2	2768.5	2827.1	2896.4	2936.5	2877.9	2790.1	2737.7	2710.0	2693.0
32.5°	2887.2	2870.2	2882.5	2985.8	3093.6	3127.5	3048.9	2941.1	2857.9	2820.9	2808.6
35°	3016.6	3027.4	3055.1	3166.0	3286.2	3364.8	3241.5	3101.3	3016.6	2982.7	2976.5
37.5°	3184.5	3203.0	3216.9	3369.4	3514.2	3543.5	3424.8	3312.4	3209.2	3181.4	3166.0
40°	3421.8	3409.4	3414.1	3526.5	3657.5	3676.0	3558.9	3478.8	3394.0	3377.1	3377.1
42.5°	3617.4	3603.6	3619.0	3660.6	3760.7	3746.8	3682.1	3623.6	3588.1	3569.7	3588.1
45°	3736.1	3733.0	3760.7	3791.5	3862.4	3816.2	3765.3	3774.6	3740.7	3709.9	3708.3
47.5°	3865.5	3845.4	3879.3	3925.5	3871.6	3850.1	3847.0	3867.0	3856.2	3802.3	3785.4
50°	3928.6	3920.9	3974.9	4028.8	3999.5	3950.2	3961.0	3993.3	3854.7	3782.3	3740.7
52.5°	4098.1	4099.6	4202.9	4232.1	4219.8	4147.4	4170.5	4082.7	3919.4	3817.7	3822.3
55°	4364.6	4353.8	4469.4	4555.7	4569.5	4477.1	4366.2	4242.9	4038.0	3934.8	3904.0
57°	4218.3	4242.9	4370.8	4626.5	4756.0	4646.6	4404.7	4179.8	3907.1	3782.3	3726.8
57.5°	4022.6	4062.7	4284.5	4541.8	4677.4	4668.1	4356.9	4062.7	3819.2	3625.1	3629.7
60°	2947.2	2954.9	3155.2	3563.5	3987.2	3996.4	3617.4	3227.6	2956.5	2745.4	2774.7
62.5°	1554.5	1589.9	1670.1	1998.2	2364.9	2454.2	2224.7	2024.4	1790.2	1630.0	1645.4
65°	822.7	818.1	856.6	949.0	1129.3	1175.5	1144.7	986.0	904.4	878.2	879.7
67.5°	668.6	676.3	671.7	676.3	688.7	708.7	704.1	710.2	714.9	722.6	721.0
70°	567.0	567.0	570.0	571.6	571.6	580.8	591.6	611.6	613.2	620.9	624.0
72.5°	446.8	443.7	448.3	459.1	460.7	468.4	483.8	496.1	500.7	500.7	491.5
75°	303.5	306.6	312.7	322.0	331.2	345.1	357.4	365.1	368.2	363.6	359.0
77.5°	171.0	174.1	178.7	192.6	203.4	215.7	229.6	237.3	245.0	246.5	237.3
80°	101.7	101.7	109.4	120.2	132.5	144.8	157.1	166.4	169.5	169.5	164.8
82.5°	61.6	63.2	69.3	80.1	90.9	98.6	109.4	117.1	123.3	121.7	118.6
85°	32.4	32.4	38.5	47.8	55.5	63.2	63.2	58.5	55.5	47.8	44.7
87.5°	10.8	9.2	12.3	12.3	10.8	12.3	12.3	13.9	13.9	13.9	13.9
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)