

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: P531576

Luminaire Tested: **GALN-SA6D-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531576
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-SA6D-827-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 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: 29766 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

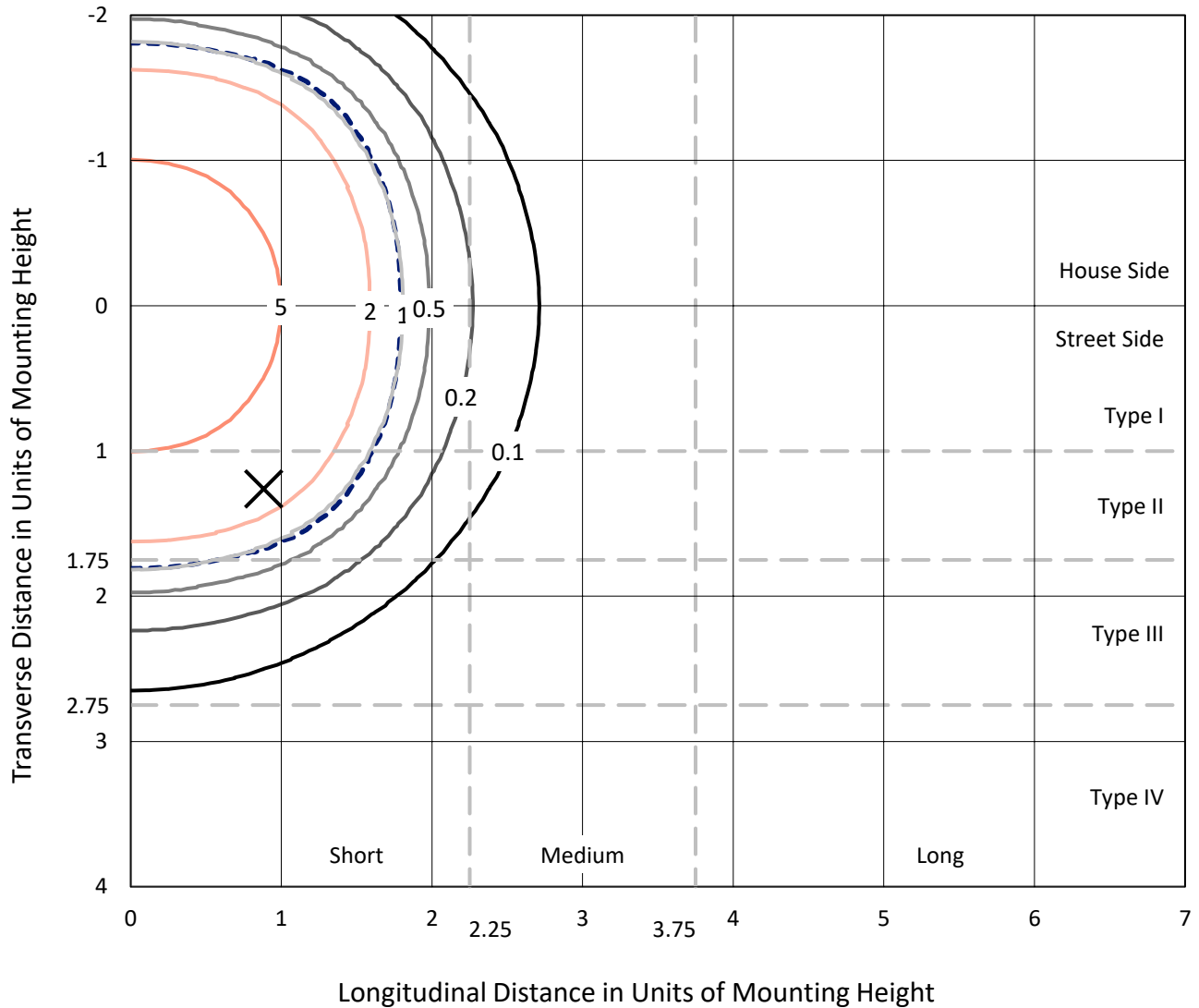
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531576
 CATALOG NUMBER: GALN-SA6D-827-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

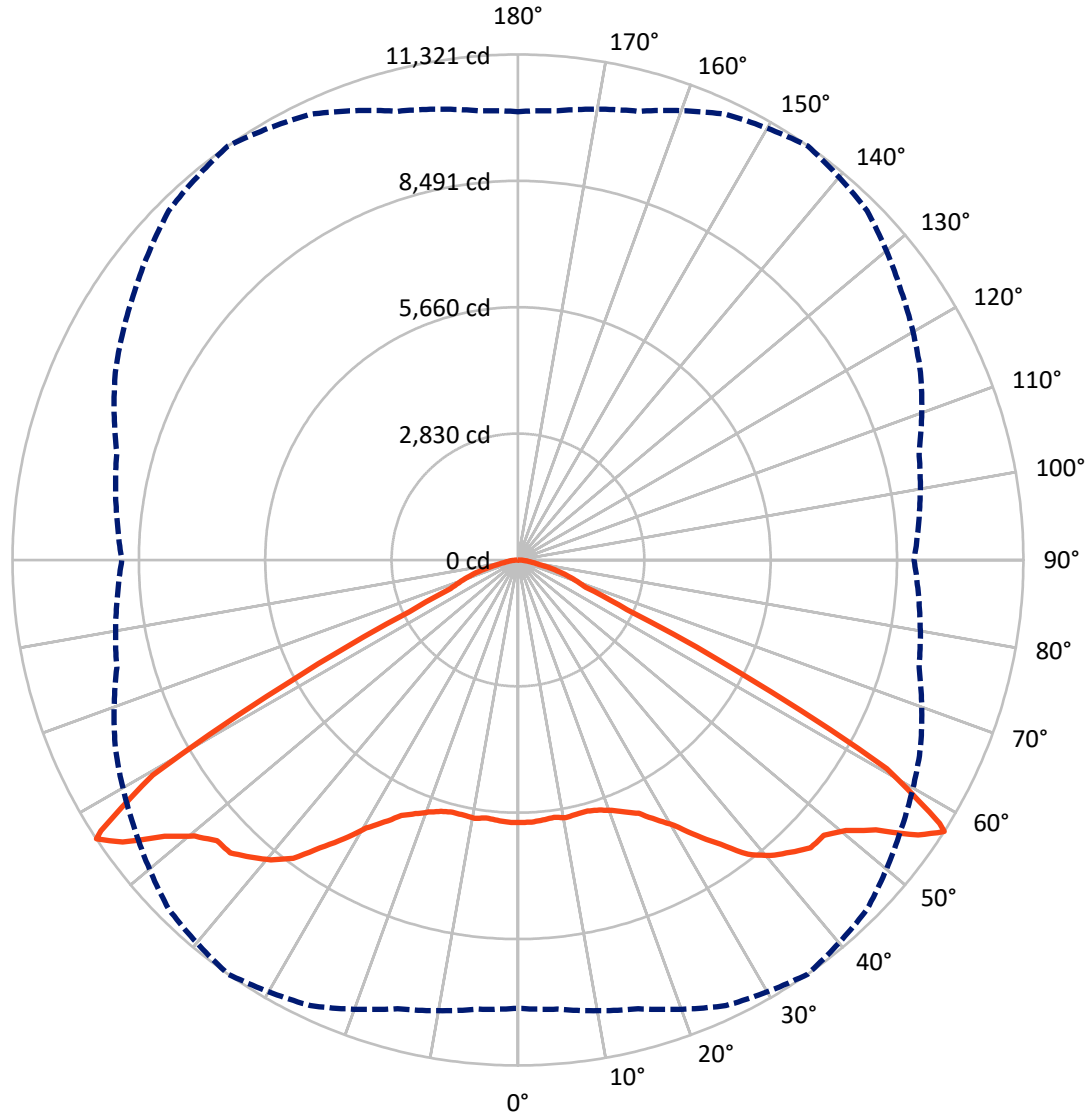
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

REPORT NUMBER: P531576
CATALOG NUMBER: GALN-SA6D-827-U-5MQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P531576
 CATALOG NUMBER: GALN-SA6D-827-U-5MQ-GRSWH

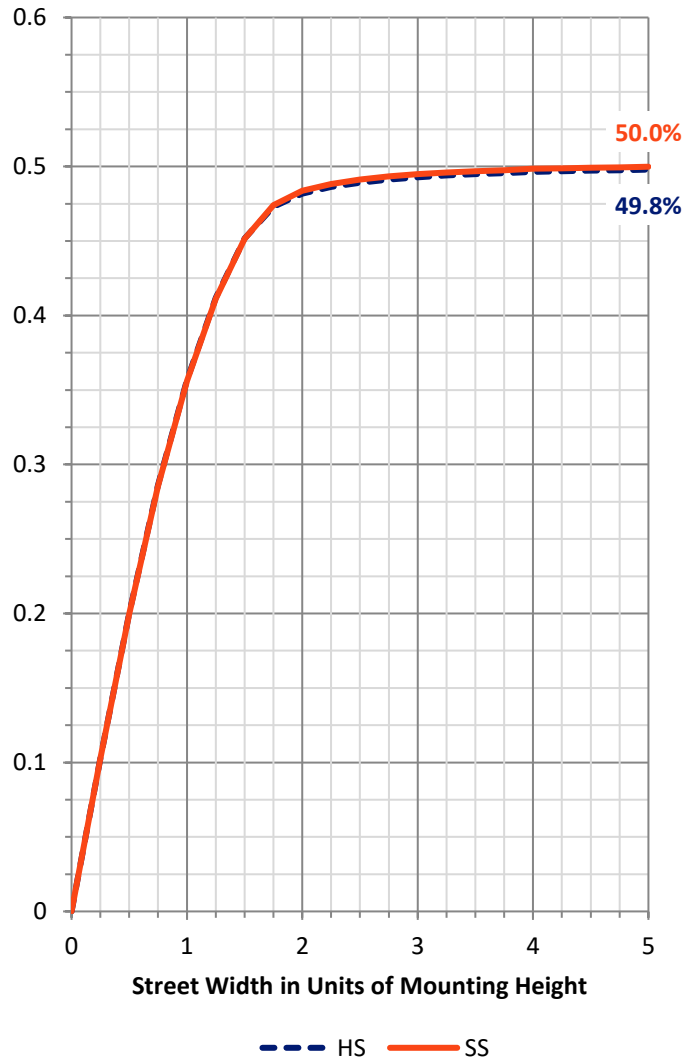
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14883.0	0.0	14883.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14883.0	0.0	14883.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29766.0	0.0	29766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.3	1.9
10°-20°	1650.6	5.5
20°-30°	2882.7	9.7
30°-40°	4723.4	15.9
40°-50°	6925.7	23.3
50°-60°	8723.5	29.3
60°-70°	3280.8	11.0
70°-80°	872.4	2.9
80°-90°	149.6	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°	29766.0	100.0
0°-180°	29766.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531576

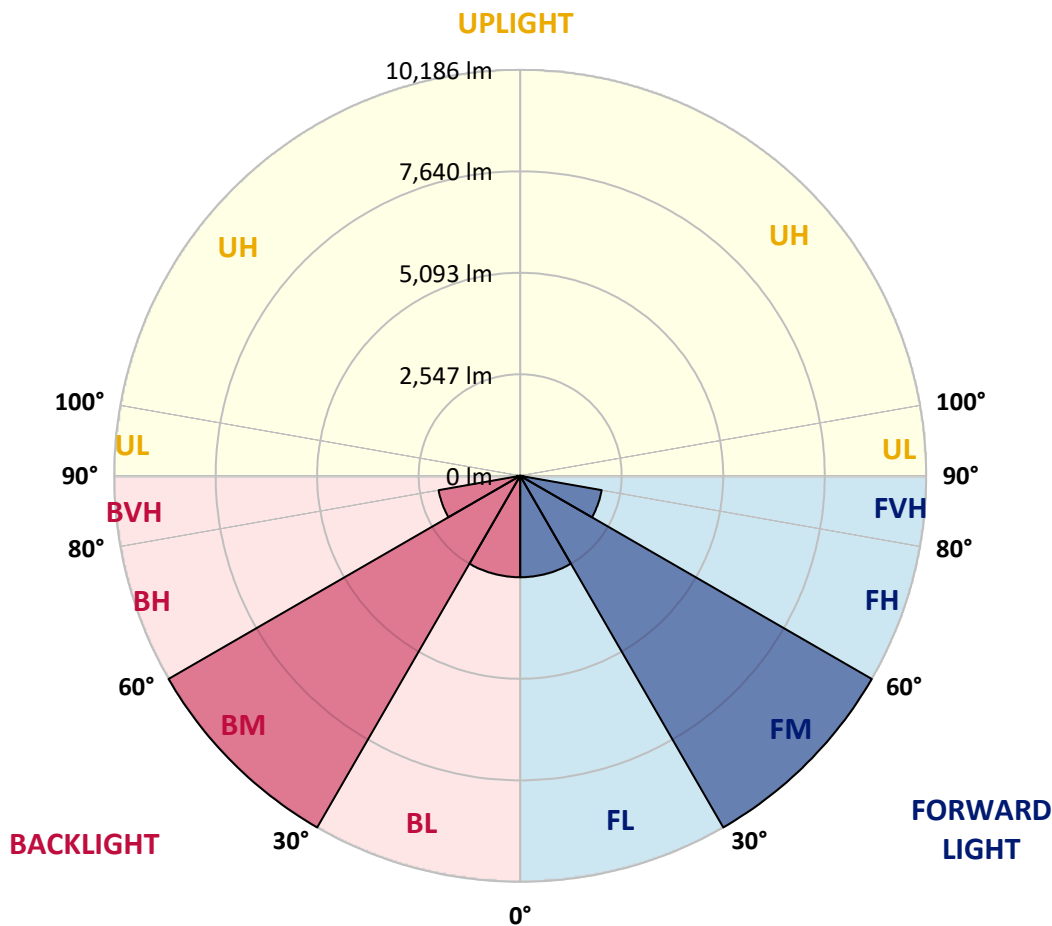
CATALOG NUMBER: GALN-SA6D-827-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2545.3	8.6			
FM (30°-60°)	10186.3	34.2			
FH (60°-80°)	2076.6	7.0			G2/5000
FVH (80°-90°)	74.8	0.3			G1/100
BL (0°-30°)	2545.3	8.6	B4/5000		
BM (30°-60°)	10186.3	34.2	B5		
BH (60°-80°)	2076.6	7.0	B3/2500		G2/5000
BVH (80°-90°)	74.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P531576

CATALOG NUMBER: GALN-SA6D-827-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6
2.5°	5849.2	5907.9	5882.2	5867.6	5878.6	5860.2	5830.9	5863.9	5856.6	5827.2	5816.2
5°	5834.6	5878.6	5849.2	5878.6	5849.2	5900.6	5885.9	5830.9	5896.9	5834.6	5856.6
7.5°	5823.6	5838.2	5845.6	5830.9	5819.9	5882.2	5849.2	5823.6	5786.9	5775.9	5794.2
10°	5797.9	5834.6	5779.6	5852.9	5867.6	5823.6	5823.6	5775.9	5746.5	5728.2	5790.6
12.5°	5863.9	5801.6	5794.2	5830.9	5841.9	5860.2	5808.9	5783.2	5728.2	5735.5	5724.5
15°	5786.9	5812.6	5816.2	5823.6	5834.6	5878.6	5830.9	5775.9	5753.9	5676.9	5684.2
17.5°	5816.2	5790.6	5816.2	5900.6	5885.9	5918.9	5867.6	5783.2	5731.9	5687.9	5746.5
20°	5867.6	5856.6	5867.6	5970.2	5988.6	6017.9	5973.9	5896.9	5797.9	5746.5	5775.9
22.5°	5922.6	5915.2	5922.6	6021.6	6127.9	6164.6	6120.6	5940.9	5889.6	5794.2	5761.2
25°	6021.6	6028.9	6105.9	6216.0	6285.6	6355.3	6274.6	6146.3	5981.2	5922.6	5852.9
27.5°	6241.6	6260.0	6304.0	6465.3	6586.3	6648.7	6535.0	6359.0	6256.3	6135.3	6116.9
30°	6513.0	6513.0	6590.0	6729.4	6894.4	6989.7	6850.4	6641.3	6516.7	6450.7	6410.3
32.5°	6872.4	6832.0	6861.4	7107.1	7363.8	7444.5	7257.4	7000.7	6802.7	6714.7	6685.4
35°	7180.4	7206.1	7272.1	7536.2	7822.2	8009.2	7715.8	7382.1	7180.4	7099.8	7085.1
37.5°	7580.2	7624.2	7657.2	8020.2	8364.9	8434.6	8152.2	7884.5	7638.8	7572.8	7536.2
40°	8144.9	8115.6	8126.6	8394.3	8706.0	8750.0	8471.3	8280.6	8078.9	8038.6	8038.6
42.5°	8610.7	8577.6	8614.3	8713.3	8951.7	8918.7	8764.7	8625.3	8541.0	8497.0	8541.0
45°	8893.0	8885.7	8951.7	9025.0	9193.7	9083.7	8962.7	8984.7	8904.0	8830.7	8827.0
47.5°	9201.1	9153.4	9234.1	9344.1	9215.7	9164.4	9157.1	9204.7	9179.1	9050.7	9010.4
50°	9351.4	9333.1	9461.4	9589.8	9520.1	9402.8	9428.4	9505.5	9175.4	9003.0	8904.0
52.5°	9754.8	9758.5	10004.2	10073.9	10044.5	9872.2	9927.2	9718.2	9329.4	9087.4	9098.4
55°	10389.3	10363.6	10638.6	10844.0	10877.0	10657.0	10392.9	10099.5	9611.8	9366.1	9292.8
57°	10040.9	10099.5	10403.9	11012.7	11320.7	11060.4	10484.6	9949.2	9300.1	9003.0	8871.0
57.5°	9575.1	9670.5	10198.6	10811.0	11133.7	11111.7	10370.9	9670.5	9091.1	8629.0	8640.0
60°	7015.4	7033.7	7510.5	8482.3	9490.8	9512.8	8610.7	7682.8	7037.4	6535.0	6604.7
62.5°	3700.2	3784.6	3975.3	4756.4	5629.2	5841.9	5295.5	4818.7	4261.3	3879.9	3916.6
65°	1958.3	1947.3	2039.0	2259.0	2688.1	2798.1	2724.8	2347.0	2152.7	2090.3	2094.0
67.5°	1591.6	1609.9	1598.9	1609.9	1639.3	1686.9	1675.9	1690.6	1701.6	1719.9	1716.3
70°	1349.5	1349.5	1356.9	1360.5	1360.5	1382.5	1408.2	1455.9	1459.6	1477.9	1485.2
72.5°	1063.5	1056.2	1067.2	1092.8	1096.5	1114.8	1151.5	1180.8	1191.8	1191.8	1169.8
75°	722.4	729.8	744.4	766.5	788.5	821.5	850.8	869.1	876.5	865.5	854.5
77.5°	407.1	414.4	425.4	458.4	484.1	513.4	546.4	564.8	583.1	586.8	564.8
80°	242.0	242.0	260.4	286.0	315.4	344.7	374.1	396.1	403.4	403.4	392.4
82.5°	146.7	150.4	165.0	190.7	216.4	234.7	260.4	278.7	293.4	289.7	282.4
85°	77.0	77.0	91.7	113.7	132.0	150.4	150.4	139.4	132.0	113.7	106.3
87.5°	25.7	22.0	29.3	29.3	25.7	29.3	29.3	33.0	33.0	33.0	33.0
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)