

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: P531584

Luminaire Tested: **GALN-SA6D-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29549 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

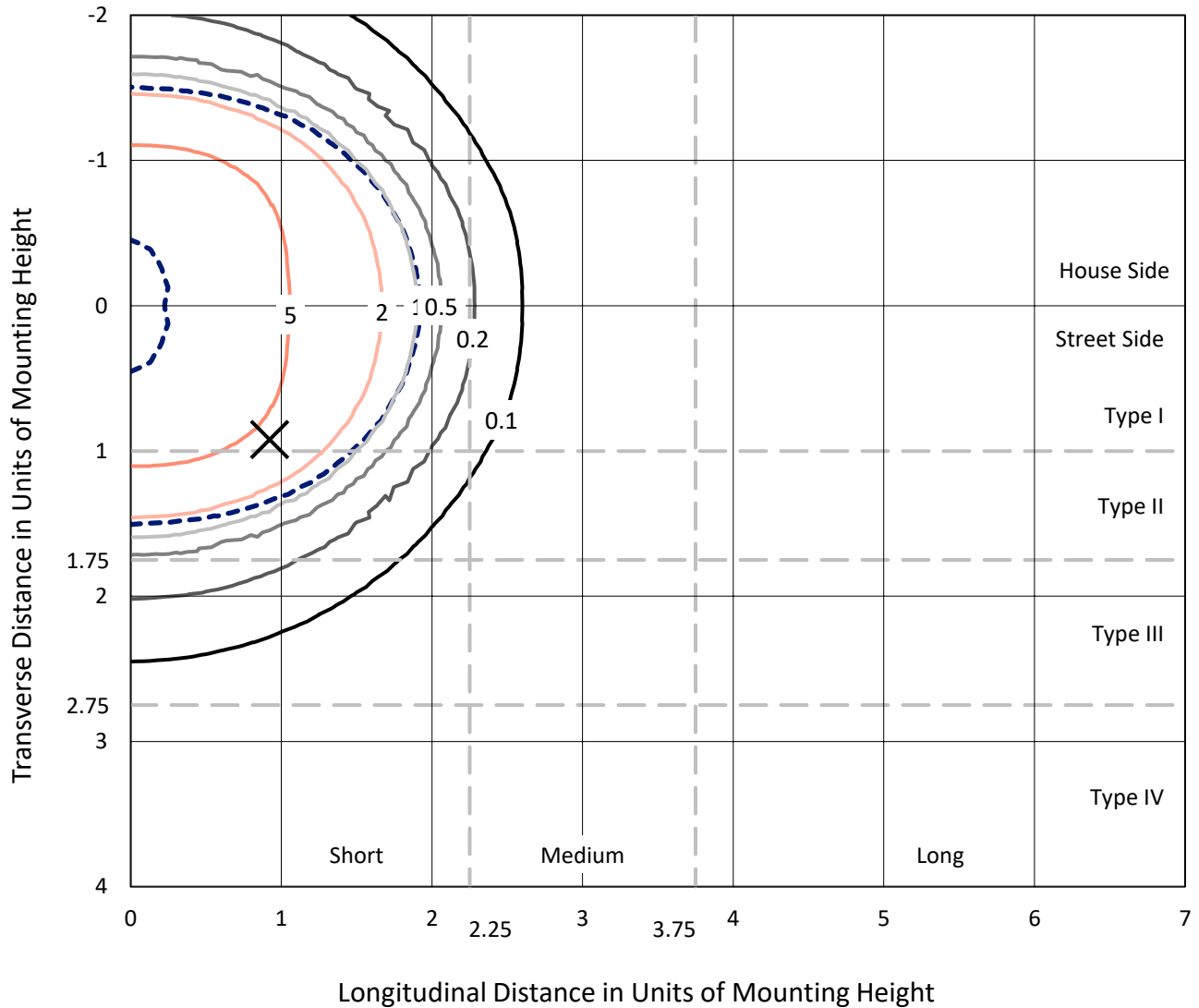
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

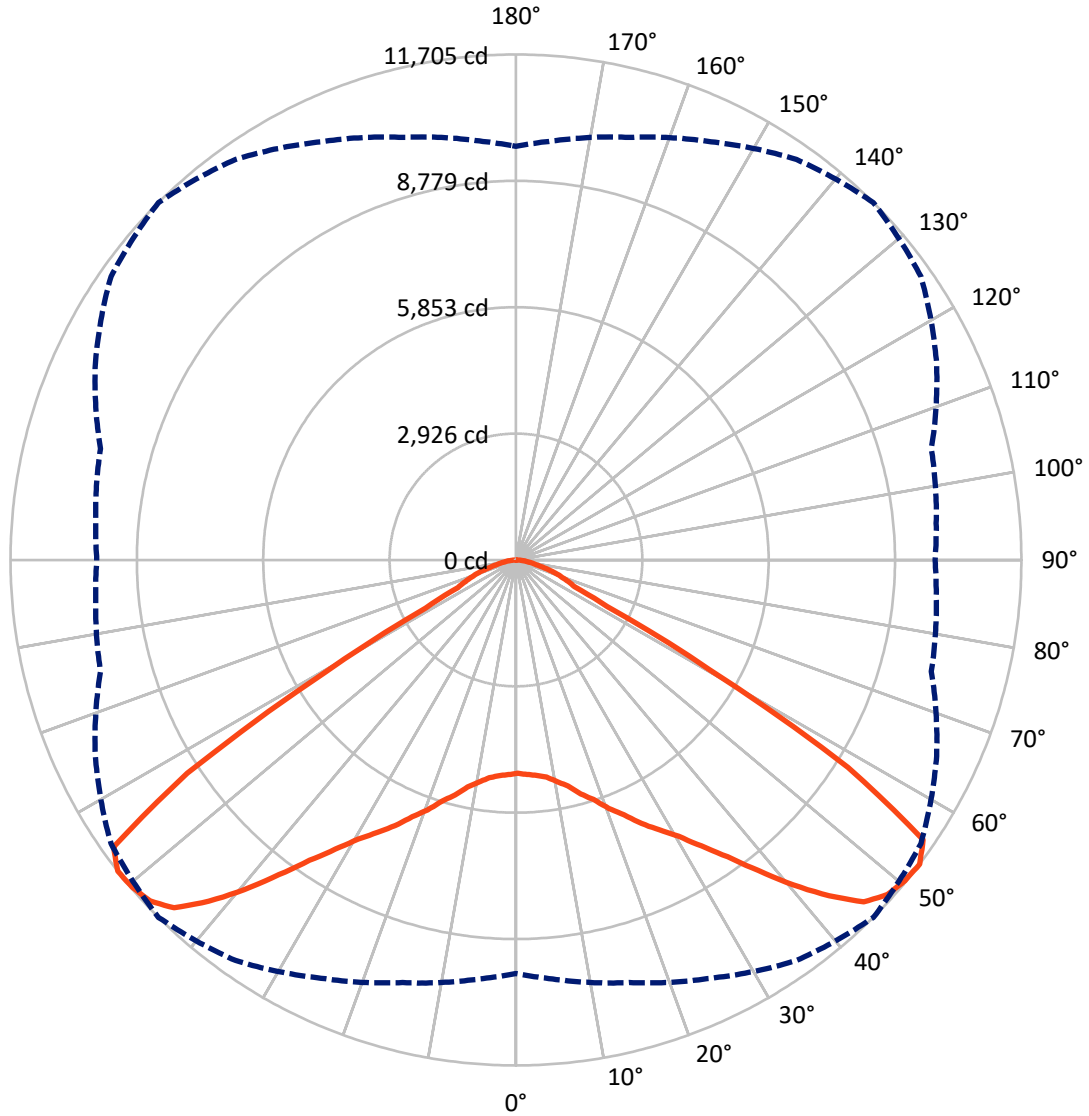
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14774.5	0.0	14774.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14774.5	0.0	14774.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29549.0	0.0	29549.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.3	1.6
10°-20°	1594.6	5.4
20°-30°	3036.0	10.3
30°-40°	5213.0	17.6
40°-50°	8012.5	27.1
50°-60°	8136.5	27.5
60°-70°	2267.5	7.7
70°-80°	668.9	2.3
80°-90°	134.7	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°	29549.0	100.0
0°-180°	29549.0	100.0

Coefficient of Utilization



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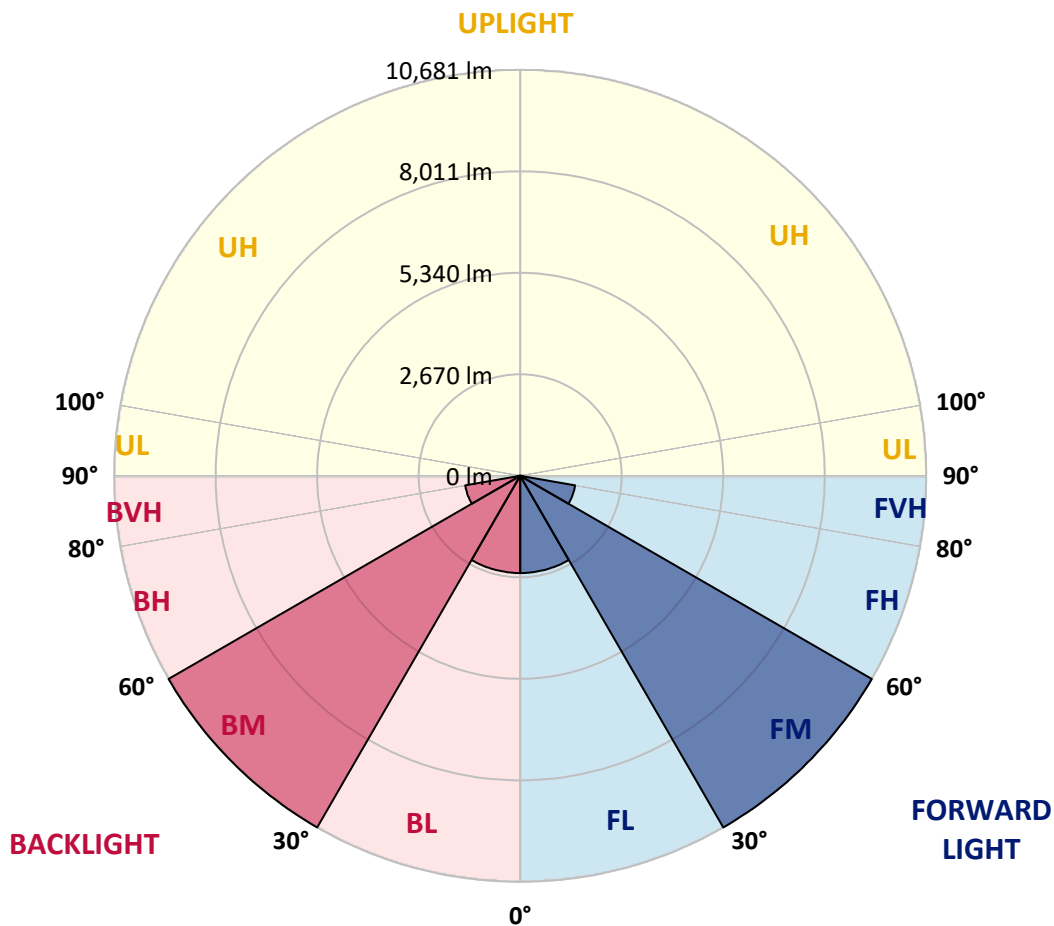
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2557.9	8.7			
FM (30°-60°)	10681.0	36.1			
FH (60°-80°)	1468.2	5.0			G1/1800
FVH (80°-90°)	67.4	0.2			G1/100
BL (0°-30°)	2557.9	8.7	B4/5000		
BM (30°-60°)	10681.0	36.1	B5		
BH (60°-80°)	1468.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	67.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4939.5	4939.5	4939.5	4939.5	4939.5	4939.5	4939.5	4939.5	4939.5	4939.5	4939.5
2.5°	4950.5	4899.2	4917.5	4928.5	4976.2	4972.5	4961.5	4976.2	4990.8	4994.5	4987.2
5°	4946.8	4910.2	4924.8	4935.8	4983.5	5009.2	5001.8	5064.2	5108.2	5097.2	5152.2
7.5°	4917.5	4939.5	4921.2	4976.2	5016.5	5078.9	5144.9	5203.5	5258.5	5320.9	5331.9
10°	4983.5	4983.5	5016.5	5060.5	5166.9	5214.5	5309.9	5394.2	5500.6	5573.9	5544.6
12.5°	5053.2	5064.2	5064.2	5177.9	5265.9	5372.2	5460.2	5573.9	5724.3	5812.3	5856.3
15°	5122.9	5130.2	5166.9	5320.9	5452.9	5621.6	5702.2	5804.9	5889.3	6054.3	6058.0
17.5°	5185.2	5225.5	5335.5	5507.9	5672.9	5834.3	5962.6	6069.0	6142.3	6208.3	6193.6
20°	5419.9	5449.2	5562.9	5735.3	5980.9	6138.6	6182.6	6201.0	6248.6	6380.7	6340.3
22.5°	5647.2	5658.2	5764.6	6028.6	6201.0	6410.0	6457.7	6446.7	6465.0	6498.0	6556.7
25°	5881.9	5900.3	6047.0	6270.6	6512.7	6762.0	6802.4	6718.0	6692.4	6729.0	6732.7
27.5°	6182.6	6186.3	6373.3	6567.7	6842.7	7077.4	7139.7	7073.7	6952.7	6982.0	7029.7
30°	6564.0	6538.3	6725.4	7004.0	7293.7	7425.8	7532.1	7499.1	7367.1	7341.4	7301.1
32.5°	7004.0	7011.4	7180.1	7484.4	7675.1	7895.1	8008.8	7953.8	7869.5	7825.5	7851.1
35°	7623.8	7656.8	7770.5	8023.5	8331.5	8441.5	8621.2	8503.9	8283.8	8338.9	8386.5
37.5°	8133.5	8228.8	8441.5	8742.2	8925.6	9127.3	9193.3	9035.6	8874.2	8808.2	8965.9
40°	8914.6	8885.2	9119.9	9420.6	9692.0	9893.7	9809.3	9651.7	9251.9	9255.6	9299.6
42.5°	9585.6	9600.3	9780.0	10139.4	10509.7	10634.4	10366.7	9981.7	9538.0	9490.3	9585.6
45°	10150.4	10209.0	10311.7	10792.1	11155.1	11290.8	10795.8	10341.1	9747.0	9549.0	9706.7
47.5°	10352.1	10447.4	10671.1	11111.1	11470.5	11580.5	11184.5	10531.7	9941.3	9618.6	9703.0
50°	10381.4	10348.4	10715.1	11118.5	11433.8	11672.2	11323.8	10671.1	9893.7	9725.0	9699.3
52.5°	9578.3	9739.7	10132.0	10685.8	11323.8	11705.2	11448.5	10748.1	9959.7	9769.0	9706.7
55°	7752.1	7561.4	8276.5	9207.9	10381.4	11441.2	11404.5	10788.4	10000.0	9842.3	9758.0
57.5°	4327.1	4382.1	4785.5	5797.6	7312.1	9072.3	10139.4	10363.1	9981.7	9890.0	9934.0
60°	2002.2	2020.5	2192.9	2665.9	3604.7	5144.9	6549.3	7975.8	8632.2	8764.2	8764.2
62.5°	1492.5	1485.2	1529.2	1613.5	1811.5	2365.2	3157.3	4290.4	5192.5	5823.3	5988.3
65°	1349.5	1345.8	1367.8	1397.1	1411.8	1488.8	1664.8	2013.2	2306.6	2475.3	2445.9
67.5°	1180.8	1177.1	1184.5	1202.8	1228.5	1268.8	1312.8	1386.1	1488.8	1481.5	1463.1
70°	953.4	953.4	964.4	979.1	1008.4	1056.1	1107.4	1158.8	1246.8	1265.1	1261.5
72.5°	704.1	693.1	715.1	744.4	773.7	832.4	887.4	935.1	997.4	1015.8	1008.4
75°	447.4	454.7	469.4	502.4	553.7	594.1	652.7	693.1	733.4	748.1	751.7
77.5°	249.4	256.7	282.4	322.7	374.0	418.0	469.4	502.4	528.1	531.7	535.4
80°	150.3	154.0	179.7	216.4	260.4	308.0	348.4	381.4	403.4	392.4	388.7
82.5°	91.7	95.3	117.3	150.3	187.0	223.7	267.7	297.0	319.0	304.4	289.7
85°	47.7	51.3	69.7	91.7	121.0	139.3	139.3	124.7	121.0	113.7	110.0
87.5°	14.7	14.7	18.3	22.0	18.3	22.0	25.7	29.3	29.3	33.0	29.3
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)