

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: P531428

Luminaire Tested: **GALN-SA6D-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531428
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-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 33616 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

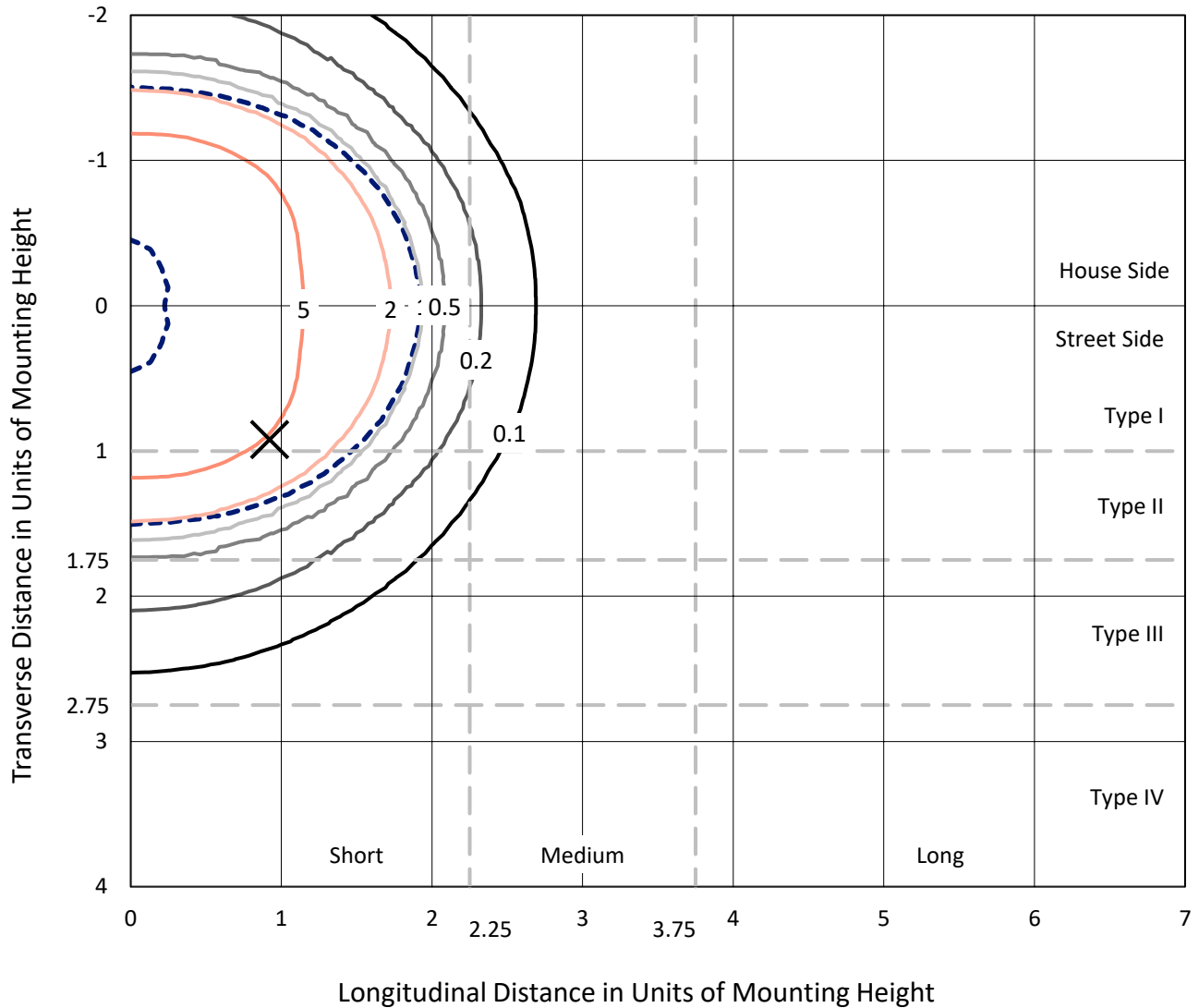
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

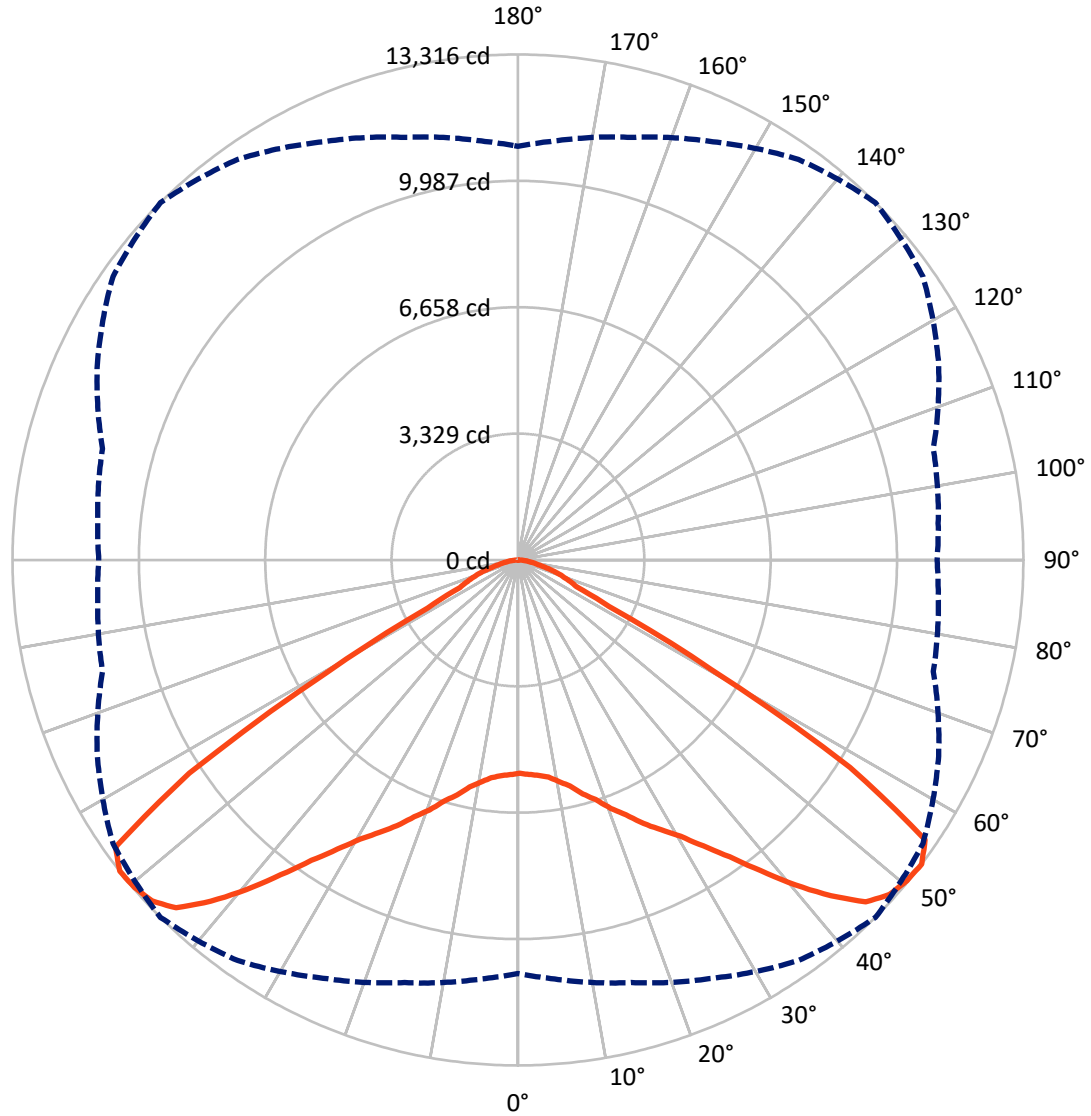
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	16808.0	0.0	16808.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16808.0	0.0	16808.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33616.0	0.0	33616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.1	1.6
10°-20°	1814.1	5.4
20°-30°	3453.8	10.3
30°-40°	5930.5	17.6
40°-50°	9115.3	27.1
50°-60°	9256.4	27.5
60°-70°	2579.6	7.7
70°-80°	761.0	2.3
80°-90°	153.3	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°	33616.0	100.0
0°-180°	33616.0	100.0

Coefficient of Utilization



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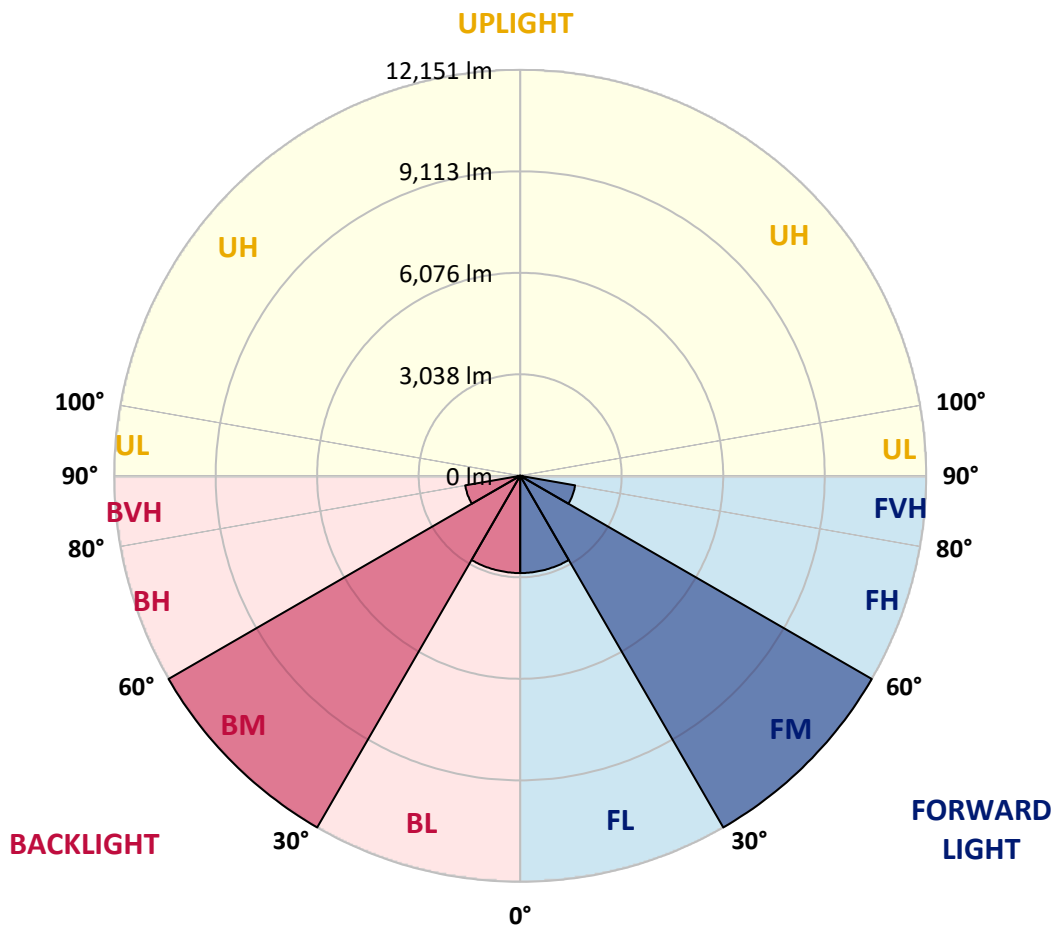
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2910.0	8.7			
FM (30°-60°)	12151.1	36.1			
FH (60°-80°)	1670.3	5.0			G1/1800
FVH (80°-90°)	76.6	0.2			G1/100
BL (0°-30°)	2910.0	8.7	B4/5000		
BM (30°-60°)	12151.1	36.1	B5		
BH (60°-80°)	1670.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	76.6	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°	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4
2.5°	5631.9	5573.5	5594.3	5606.8	5661.1	5656.9	5644.4	5661.1	5677.8	5681.9	5673.6
5°	5627.7	5586.0	5602.7	5615.2	5669.4	5698.6	5690.3	5761.2	5811.3	5798.7	5861.3
7.5°	5594.3	5619.4	5598.5	5661.1	5707.0	5777.9	5853.0	5919.7	5982.3	6053.2	6065.7
10°	5669.4	5669.4	5707.0	5757.0	5878.0	5932.2	6040.7	6136.7	6257.6	6341.1	6307.7
12.5°	5748.7	5761.2	5761.2	5890.5	5990.6	6111.6	6211.7	6341.1	6512.1	6612.2	6662.3
15°	5827.9	5836.3	5878.0	6053.2	6203.4	6395.3	6487.1	6603.9	6699.8	6887.6	6891.7
17.5°	5898.9	5944.8	6069.9	6266.0	6453.7	6637.3	6783.3	6904.3	6987.7	7062.8	7046.1
20°	6165.9	6199.2	6328.6	6524.6	6804.1	6983.5	7033.6	7054.4	7108.7	7258.9	7213.0
22.5°	6424.5	6437.0	6558.0	6858.4	7054.4	7292.2	7346.5	7333.9	7354.8	7392.4	7459.1
25°	6691.5	6712.4	6879.2	7133.7	7409.0	7692.7	7738.6	7642.7	7613.5	7655.2	7659.3
27.5°	7033.6	7037.8	7250.5	7471.6	7784.5	8051.5	8122.4	8047.3	7909.7	7943.0	7997.3
30°	7467.4	7438.2	7651.0	7968.1	8297.6	8447.8	8568.8	8531.2	8381.1	8351.9	8306.0
32.5°	7968.1	7976.4	8168.3	8514.6	8731.5	8981.8	9111.1	9048.5	8952.6	8902.5	8931.7
35°	8673.1	8710.6	8840.0	9127.8	9478.2	9603.4	9807.8	9674.3	9424.0	9486.6	9540.8
37.5°	9253.0	9361.4	9603.4	9945.5	10154.1	10383.5	10458.6	10279.2	10095.7	10020.6	10199.9
40°	10141.5	10108.2	10375.2	10717.2	11026.0	11255.4	11159.5	10980.1	10525.3	10529.5	10579.6
42.5°	10905.0	10921.7	11126.1	11534.9	11956.3	12098.1	11793.6	11355.5	10850.7	10796.5	10905.0
45°	11547.4	11614.2	11731.0	12277.5	12690.5	12844.8	12281.7	11764.4	11088.5	10863.3	11042.6
47.5°	11776.9	11885.3	12139.8	12640.4	13049.3	13174.4	12723.9	11981.3	11309.6	10942.5	11038.5
50°	11810.2	11772.7	12189.9	12648.8	13007.5	13278.7	12882.4	12139.8	11255.4	11063.5	11034.3
52.5°	10896.6	11080.2	11526.6	12156.5	12882.4	13316.3	13024.2	12227.4	11330.5	11113.6	11042.6
55°	8819.1	8602.2	9415.7	10475.3	11810.2	13015.9	12974.2	12273.3	11376.4	11197.0	11101.0
57.5°	4922.7	4985.3	5444.1	6595.5	8318.5	10320.9	11534.9	11789.4	11355.5	11251.2	11301.3
60°	2277.8	2298.6	2494.7	3032.9	4100.8	5853.0	7450.8	9073.6	9820.3	9970.5	9970.5
62.5°	1697.9	1689.6	1739.6	1835.6	2060.8	2690.8	3591.9	4881.0	5907.2	6624.8	6812.5
65°	1535.2	1531.0	1556.1	1589.4	1606.1	1693.7	1894.0	2290.3	2624.0	2815.9	2782.6
67.5°	1343.3	1339.1	1347.5	1368.3	1397.5	1443.4	1493.5	1576.9	1693.7	1685.4	1664.5
70°	1084.7	1084.7	1097.2	1113.9	1147.2	1201.5	1259.9	1318.3	1418.4	1439.3	1435.1
72.5°	801.0	788.5	813.5	846.9	880.2	947.0	1009.6	1063.8	1134.7	1155.6	1147.2
75°	509.0	517.3	534.0	571.5	629.9	675.8	742.6	788.5	834.4	851.0	855.2
77.5°	283.7	292.0	321.2	367.1	425.5	475.6	534.0	571.5	600.7	604.9	609.1
80°	171.0	175.2	204.4	246.1	296.2	350.4	396.3	433.9	458.9	446.4	442.2
82.5°	104.3	108.5	133.5	171.0	212.8	254.5	304.5	337.9	362.9	346.3	329.6
85°	54.2	58.4	79.3	104.3	137.7	158.5	158.5	141.8	137.7	129.3	125.2
87.5°	16.7	16.7	20.9	25.0	20.9	25.0	29.2	33.4	33.4	37.5	33.4
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)