

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: P532542

Luminaire Tested: **GALN-SA7D-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36325 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

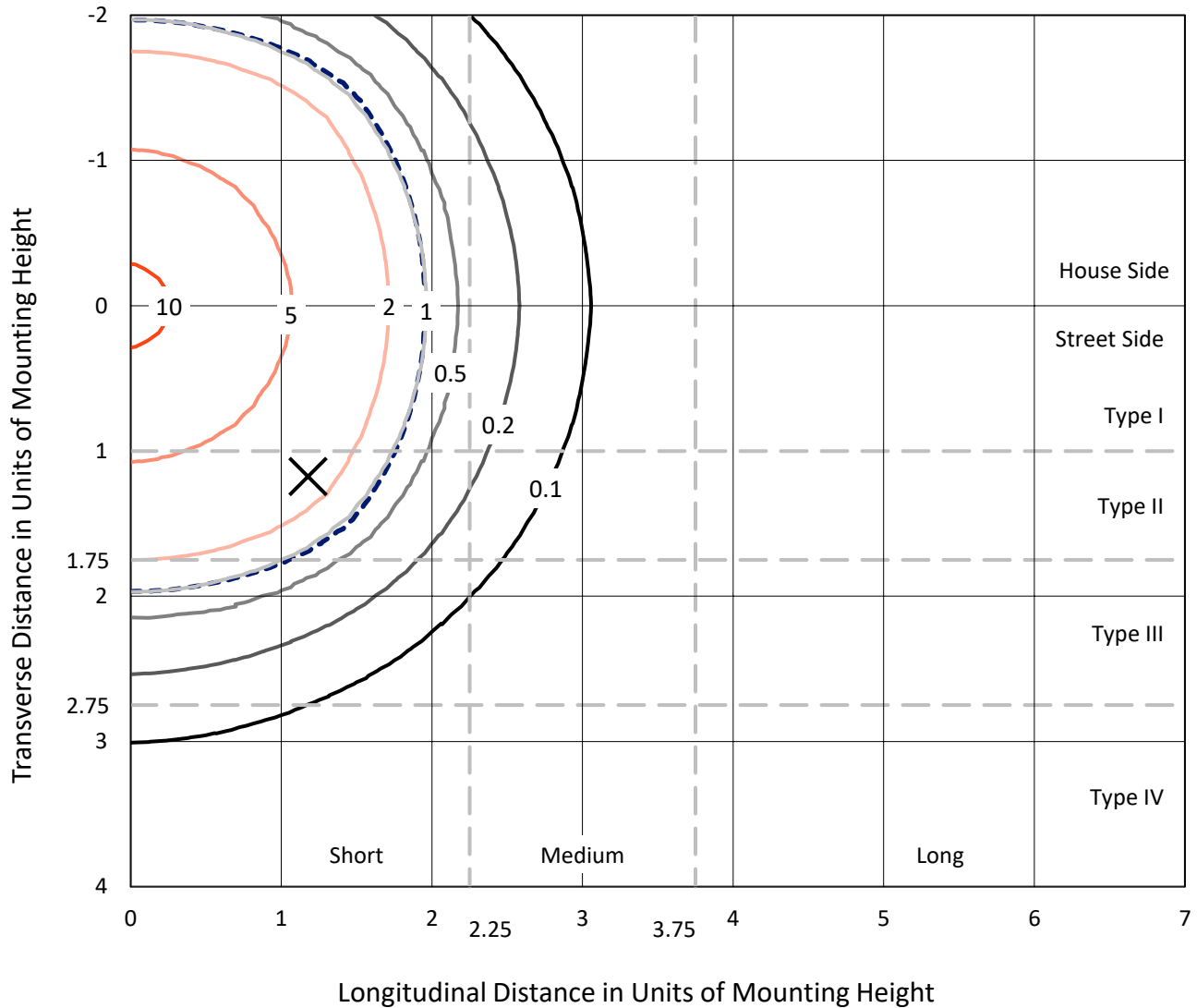
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

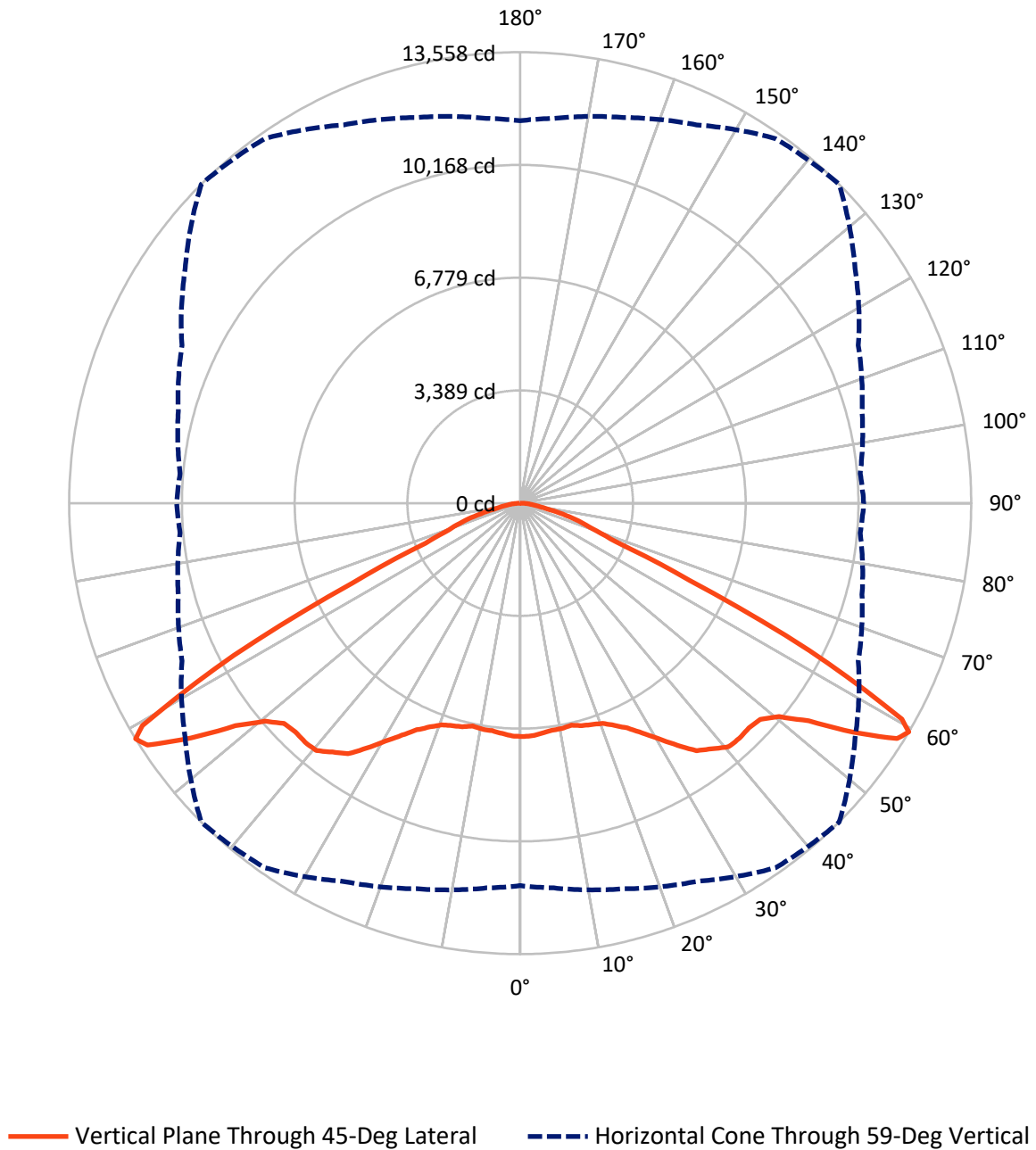


Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18162.5	0.0	18162.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18162.5	0.0	18162.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36325.0	0.0	36325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	661.4	1.8
10°-20°	1966.9	5.4
20°-30°	3434.5	9.5
30°-40°	5485.3	15.1
40°-50°	7472.1	20.6
50°-60°	10104.3	27.8
60°-70°	5541.2	15.3
70°-80°	1417.6	3.9
80°-90°	241.8	0.7
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°	36325.0	100.0
0°-180°	36325.0	100.0

Coefficient of Utilization



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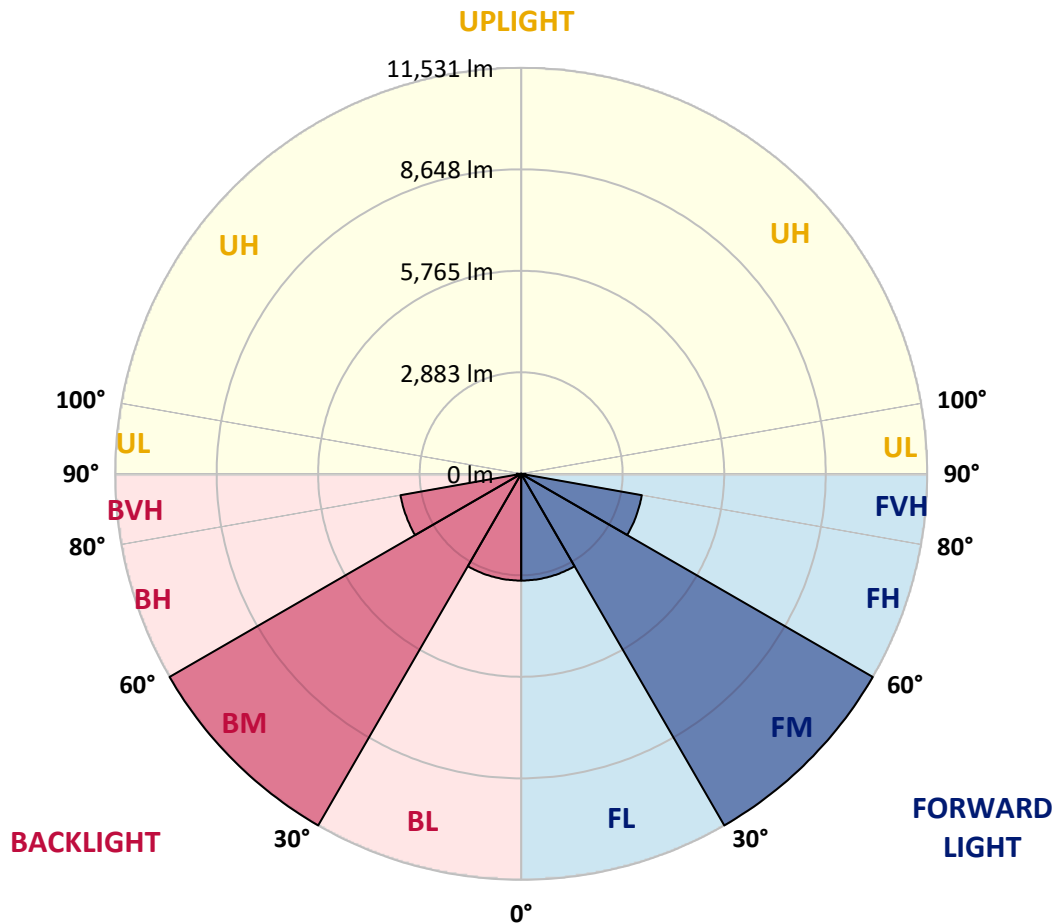
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3031.4	8.3			
FM	(30°-60°)	11530.8	31.7			
FH	(60°-80°)	3479.4	9.6			G2/5000
FVH	(80°-90°)	120.9	0.3			G2/225
BL	(0°-30°)	3031.4	8.3	B4/5000		
BM	(30°-60°)	11530.8	31.7	B5		
BH	(60°-80°)	3479.4	9.6	B4/5000		G2/5000
BVH	(80°-90°)	120.9	0.3			G2/225
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7016.3	7016.3	7016.3	7016.3	7016.3	7016.3	7016.3	7016.3	7016.3	7016.3	7016.3
2.5°	6974.4	7025.6	6988.3	7020.9	7016.3	7002.3	6979.0	6965.0	6946.4	6974.4	6927.8
5°	6946.4	6988.3	7030.2	6974.4	6974.4	6946.4	6932.4	6904.5	6904.5	6899.9	6895.2
7.5°	6993.0	6951.1	6932.4	6941.8	6951.1	6890.5	6932.4	6876.6	6830.0	6862.6	6899.9
10°	6951.1	6969.7	6899.9	6932.4	6881.2	6890.5	6862.6	6899.9	6848.6	6848.6	6848.6
12.5°	6993.0	6941.8	6965.0	6941.8	6927.8	6848.6	6885.9	6844.0	6839.3	6885.9	6844.0
15°	7076.8	6993.0	6974.4	6927.8	6941.8	6941.8	6904.5	6909.2	6858.0	6885.9	6895.2
17.5°	7048.8	7002.3	6988.3	6932.4	6979.0	6993.0	6923.1	6876.6	6909.2	6904.5	6899.9
20°	7072.1	7090.7	7076.8	7086.1	7104.7	7067.5	7002.3	6937.1	6895.2	6955.7	6951.1
22.5°	7221.1	7202.5	7193.2	7183.9	7216.5	7253.7	7165.2	7062.8	7062.8	7104.7	7123.3
25°	7342.2	7337.5	7332.8	7374.7	7486.5	7486.5	7374.7	7244.4	7211.8	7239.7	7216.5
27.5°	7519.1	7570.3	7551.7	7626.2	7789.1	7826.4	7677.4	7523.7	7435.3	7402.7	7444.6
30°	7924.1	7863.6	7877.6	7956.7	8101.0	8222.1	7994.0	7831.0	7710.0	7705.3	7723.9
32.5°	8194.2	8240.7	8282.6	8357.1	8585.2	8678.4	8403.7	8138.3	8063.8	8021.9	8035.9
35°	8734.2	8692.3	8683.0	8757.5	8985.6	9139.3	8794.8	8562.0	8464.2	8557.3	8557.3
37.5°	9246.4	9130.0	9041.5	9139.3	9348.8	9367.4	9074.1	8948.4	8897.2	9004.3	8999.6
40°	9488.5	9479.2	9274.3	9330.2	9609.5	9637.5	9362.8	9213.8	9204.5	9344.1	9483.8
42.5°	9739.9	9651.4	9446.6	9483.8	9656.1	9665.4	9404.7	9362.8	9465.2	9600.2	9609.5
45°	9781.8	9707.3	9576.9	9483.8	9609.5	9637.5	9483.8	9511.7	9521.1	9684.0	9684.0
47.5°	9865.6	9856.3	9781.8	9711.9	9735.2	9711.9	9614.2	9656.1	9795.8	9874.9	9837.7
50°	10098.4	10000.6	10075.1	10014.6	10019.2	10084.4	9995.9	10037.9	10009.9	9940.1	9893.5
52.5°	10610.5	10564.0	10629.1	10671.0	10717.6	10866.6	10764.2	10540.7	10331.2	10144.9	10140.3
55°	11360.1	11392.7	11518.4	11732.6	11914.1	12151.6	11658.1	11122.6	10787.4	10494.1	10512.7
57.5°	12067.8	12044.5	12216.8	12705.6	13236.4	13357.4	12389.0	11625.5	11080.7	10894.5	10815.4
59°	11499.8	11611.5	12002.6	12547.3	13380.7	13557.6	12291.2	11215.8	10638.4	10261.3	10326.5
60°	10605.9	10647.8	10996.9	11755.8	12882.5	13185.2	11634.8	10582.6	9814.4	9595.6	9693.3
62.5°	7495.8	7463.2	7714.6	8333.8	9344.1	9753.8	8650.4	7910.2	7426.0	7183.9	7239.7
65°	3985.3	4134.3	4236.8	4623.2	5158.6	5591.6	5135.3	4814.1	4544.0	4343.8	4339.2
67.5°	2691.0	2672.4	2695.7	2784.2	2965.7	3086.8	3077.5	2914.5	2891.2	2854.0	2895.9
70°	2267.4	2258.1	2216.1	2216.1	2253.4	2281.3	2313.9	2332.5	2369.8	2416.3	2411.7
72.5°	1839.0	1815.8	1787.8	1773.9	1820.4	1834.4	1876.3	1894.9	1927.5	1922.8	1964.7
75°	1215.2	1215.2	1247.7	1285.0	1299.0	1326.9	1331.6	1387.4	1387.4	1396.7	1359.5
77.5°	679.7	661.1	684.4	721.6	754.2	805.4	856.7	898.6	921.8	912.5	912.5
80°	395.7	395.7	419.0	460.9	502.8	549.4	586.6	619.2	642.5	633.2	614.6
82.5°	246.8	246.8	270.0	311.9	344.5	372.5	423.7	465.6	493.5	484.2	460.9
85°	125.7	125.7	153.6	181.6	223.5	242.1	237.4	218.8	214.2	190.9	190.9
87.5°	32.6	32.6	46.6	51.2	41.9	46.6	46.6	46.6	46.6	46.6	51.2
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)