

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: P647708

Luminaire Tested: **GALN-SA1A-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3738 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

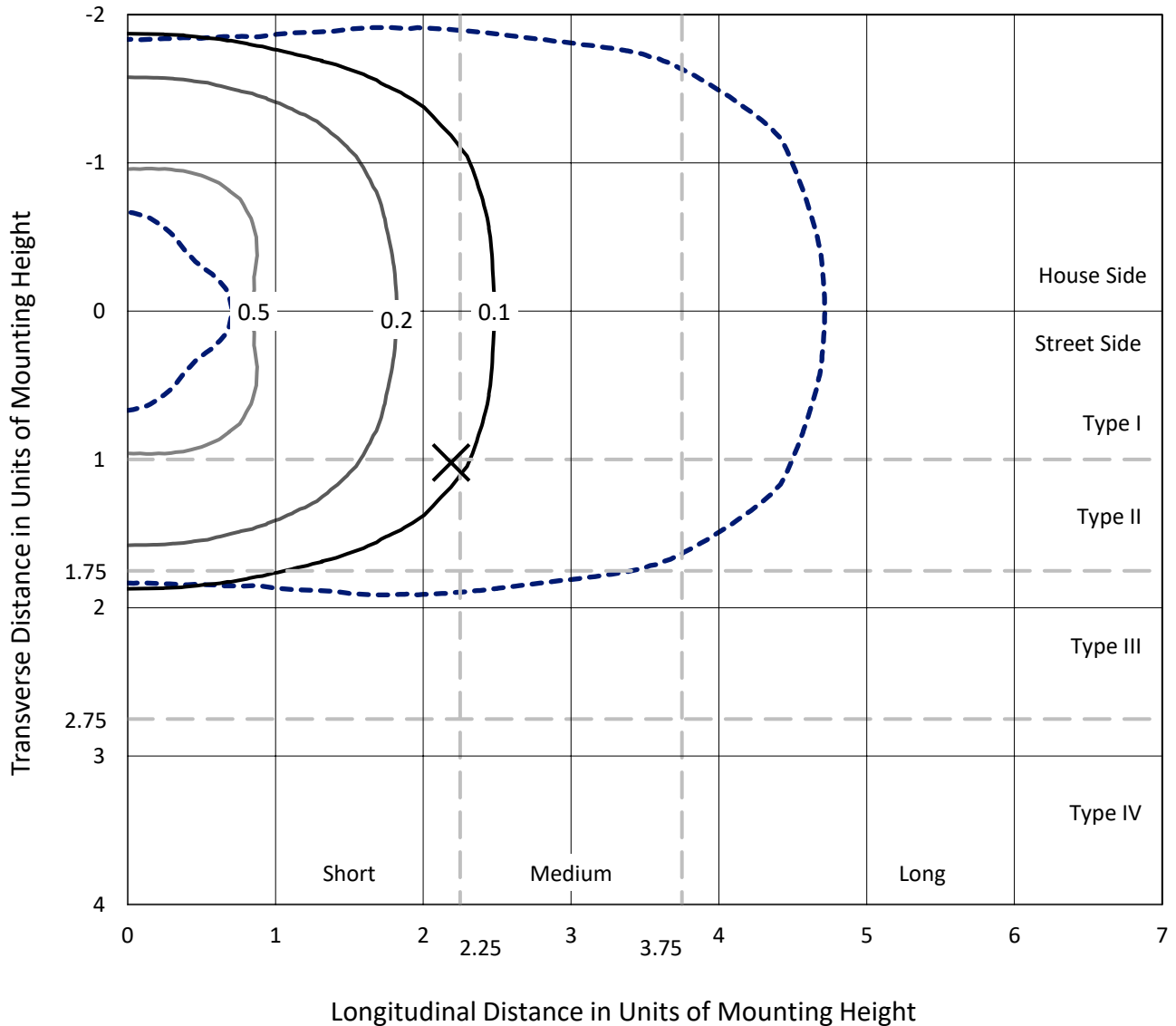
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

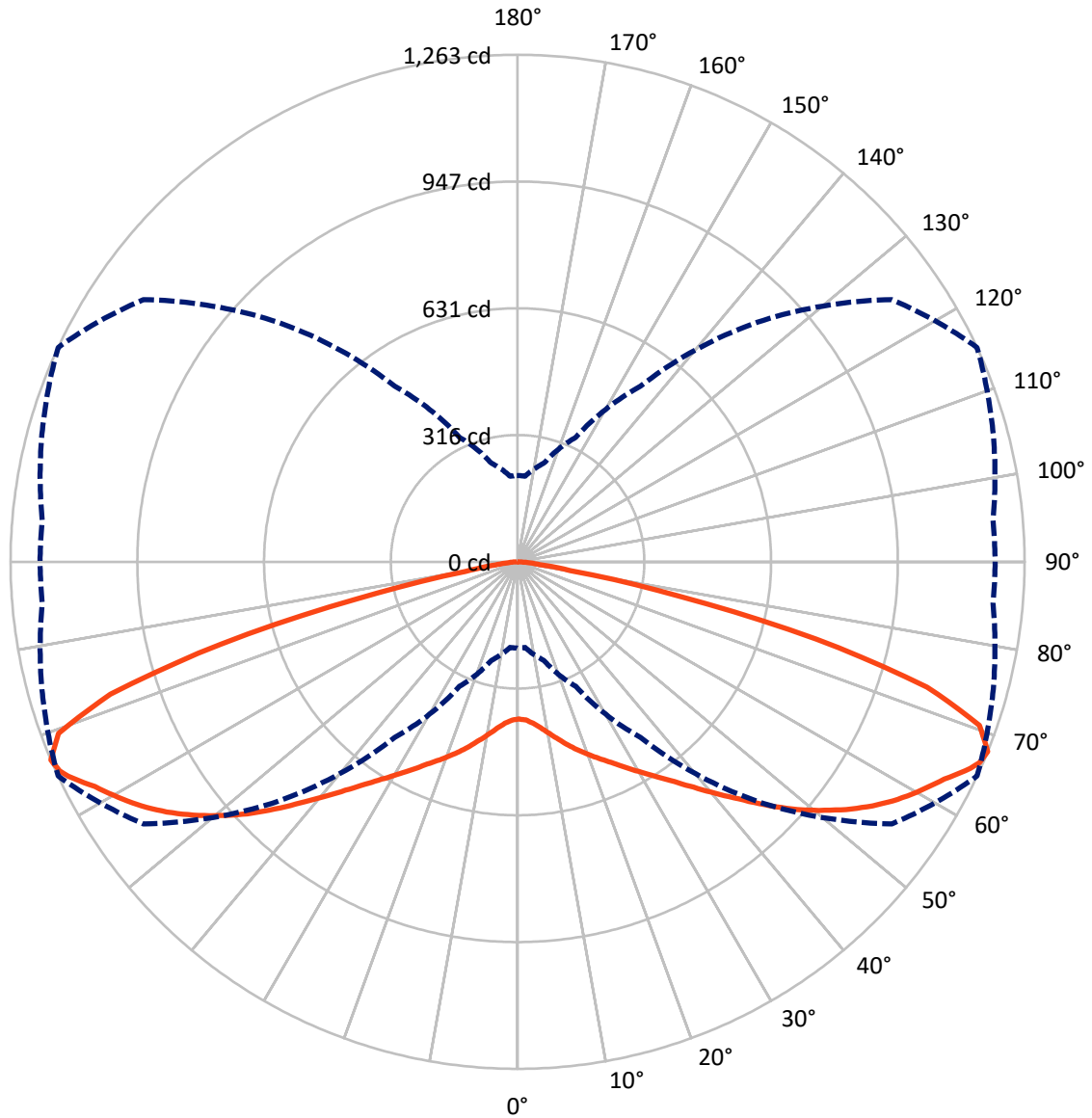
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1869.0	0.0	1869.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1869.0	0.0	1869.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3738.0	0.0	3738.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.0
10°-20°	129.2	3.5
20°-30°	252.8	6.8
30°-40°	430.0	11.5
40°-50°	680.5	18.2
50°-60°	902.4	24.1
60°-70°	851.2	22.8
70°-80°	420.8	11.3
80°-90°	32.4	0.9
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°	3738.0	100.0
0°-180°	3738.0	100.0

Coefficient of Utilization

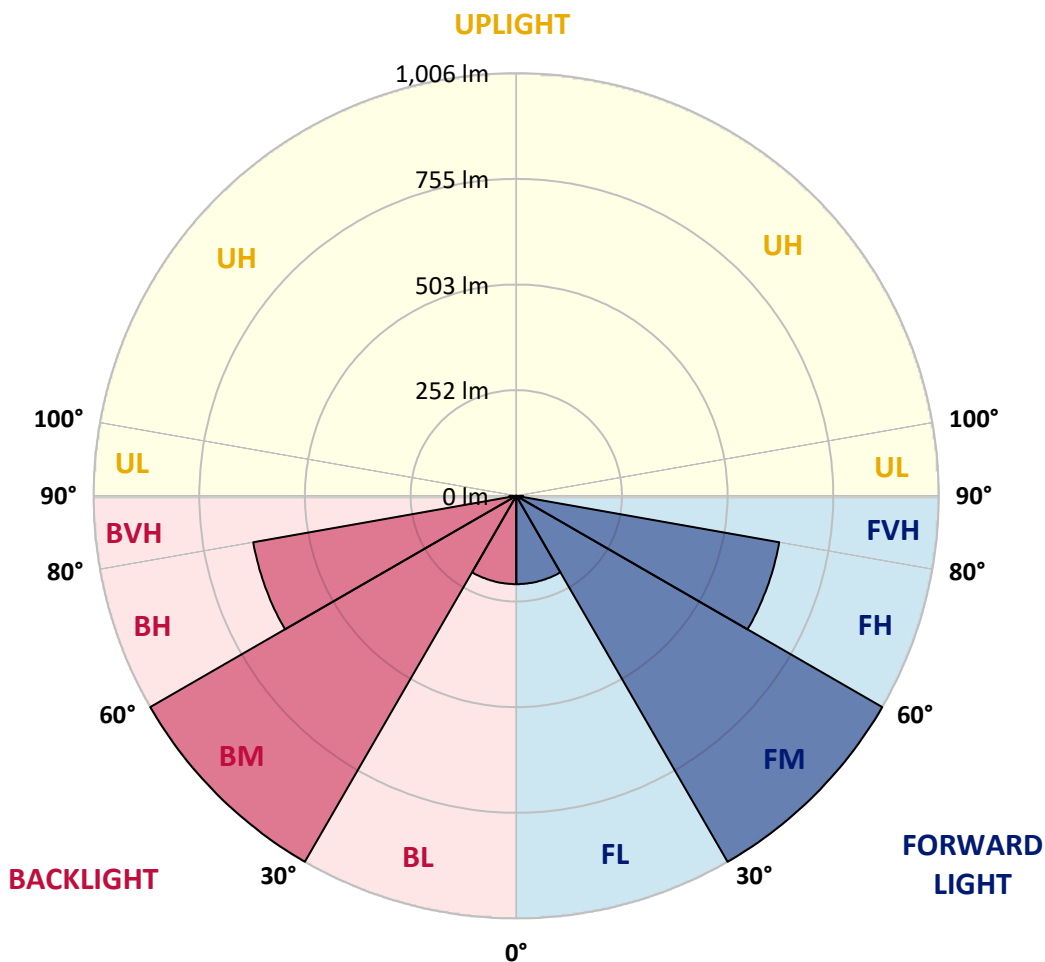


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.3	5.6			
FM (30°-60°)	1006.5	26.9			
FH (60°-80°)	636.0	17.0			G0/660
FVH (80°-90°)	16.2	0.4			G1/100
BL (0°-30°)	210.3	5.6	B1/500		
BM (30°-60°)	1006.5	26.9	B2/2500		
BH (60°-80°)	636.0	17.0	B2/1000		G2/1000
BVH (80°-90°)	16.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	391.5	391.5	391.5	391.5	391.5	391.5	391.5	391.5	391.5	391.5	391.5
2.5°	389.5	389.9	390.3	391.0	391.7	392.9	393.7	394.3	396.0	396.1	396.0
5°	388.1	388.5	389.5	391.3	393.9	397.5	400.3	403.7	406.4	408.2	407.8
7.5°	387.9	388.8	390.3	394.2	399.2	405.4	411.8	417.6	422.6	426.6	426.0
10°	391.1	392.1	394.7	400.3	408.2	417.2	426.2	434.8	442.0	447.2	449.0
12.5°	396.5	397.4	402.1	410.5	421.8	433.0	443.2	453.8	463.8	472.6	472.6
15°	405.9	407.3	413.3	425.6	439.4	452.4	462.8	474.0	484.8	494.9	497.8
17.5°	419.0	420.9	429.9	445.6	463.2	475.2	485.1	494.2	503.7	513.3	514.7
20°	436.8	438.8	450.8	469.6	490.5	504.9	511.5	513.7	518.3	527.5	528.7
22.5°	461.0	463.0	476.5	497.7	520.9	536.5	539.3	534.1	532.9	540.1	540.9
25°	488.4	490.2	505.7	528.5	552.6	569.6	568.8	555.9	548.7	553.1	554.4
27.5°	519.3	521.9	537.5	561.2	587.2	602.2	599.8	581.2	565.8	564.9	565.3
30°	558.7	561.6	576.4	599.0	624.7	638.5	633.4	608.4	584.6	576.6	576.6
32.5°	600.4	607.5	622.4	646.1	666.1	676.1	668.5	638.5	606.8	595.6	595.0
35°	654.7	658.5	673.3	696.3	711.4	719.2	704.5	672.3	635.9	622.6	620.8
37.5°	707.8	711.0	728.2	750.2	768.4	768.0	748.2	712.5	671.9	657.1	655.9
40°	762.0	765.5	785.0	805.3	823.5	821.9	797.9	758.0	714.8	698.1	701.3
42.5°	809.1	812.9	835.1	864.0	880.4	880.0	852.1	807.3	762.3	747.4	750.2
45°	852.0	855.3	881.2	914.2	938.3	941.2	910.9	863.3	817.1	798.1	798.9
47.5°	882.2	888.6	915.6	953.5	986.1	996.8	966.9	920.4	867.2	847.4	848.5
50°	905.2	909.2	938.7	981.7	1023.0	1045.0	1021.0	973.3	917.2	896.2	899.0
52.5°	908.0	912.8	944.8	994.6	1047.4	1080.9	1069.0	1024.9	968.3	946.6	952.7
55°	885.2	888.0	926.2	986.5	1057.0	1107.5	1110.5	1073.0	1017.0	1000.5	1004.6
57.5°	820.1	827.3	875.8	949.1	1043.8	1121.7	1141.5	1116.7	1066.2	1050.0	1056.4
60°	713.4	720.6	769.2	862.2	993.9	1115.1	1167.1	1155.3	1110.9	1097.8	1101.3
62.5°	559.0	558.4	618.6	732.6	894.8	1082.7	1186.2	1192.6	1154.9	1138.6	1143.7
65°	362.3	364.1	422.4	545.1	745.2	1000.1	1190.4	1240.0	1198.2	1173.4	1177.2
66°	291.4	296.8	346.2	459.4	668.9	946.1	1177.8	1254.1	1211.5	1181.4	1183.2
67.5°	215.1	214.1	254.7	342.1	534.1	843.4	1138.3	1262.9	1226.4	1188.6	1189.4
70°	122.8	122.5	136.9	187.8	314.1	593.8	959.5	1220.6	1256.9	1214.7	1212.4
72.5°	89.7	89.1	91.1	103.7	153.2	299.8	661.9	1066.8	1241.3	1210.4	1204.3
75°	75.3	74.9	74.5	76.1	85.9	135.8	351.3	767.4	1077.0	1136.1	1129.7
77.5°	61.5	61.5	61.7	61.3	61.7	71.5	145.6	411.4	655.9	732.2	750.0
80°	48.1	47.8	51.3	49.9	46.7	45.9	64.5	132.4	217.7	216.5	178.6
82.5°	35.5	33.0	39.1	38.1	34.5	29.2	37.7	56.5	72.7	47.3	35.1
85°	22.4	22.2	27.6	25.2	21.1	13.8	18.0	24.2	30.1	18.2	14.8
87.5°	4.0	3.8	8.8	6.4	6.4	4.0	5.0	6.6	9.8	6.8	5.0
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)