

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: P651660

Luminaire Tested: **GALN-SA1A-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651660
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-SA1A-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3301.8 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

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

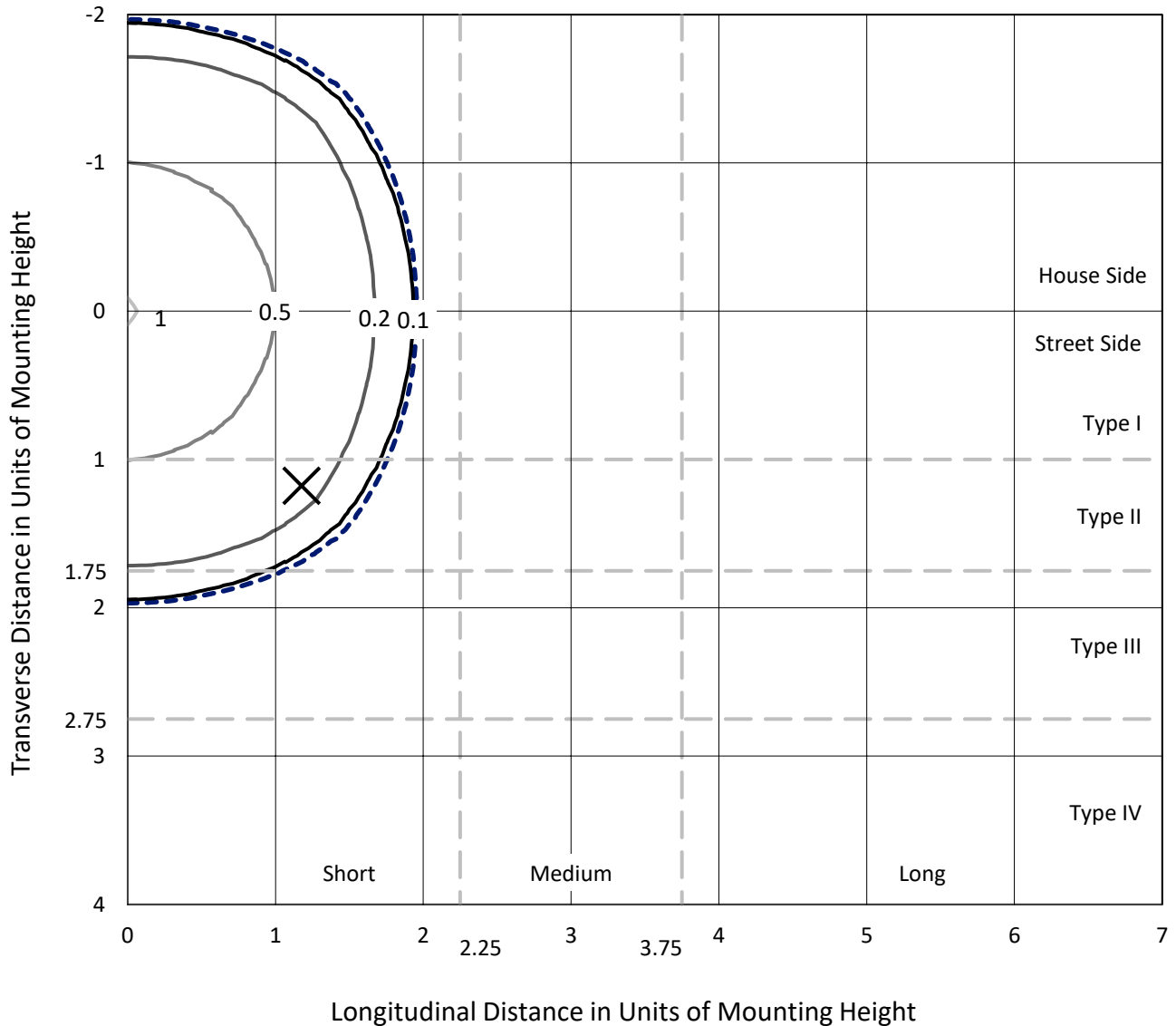




REPORT NUMBER: P651660
 CATALOG NUMBER: GALN-SA1A-840-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

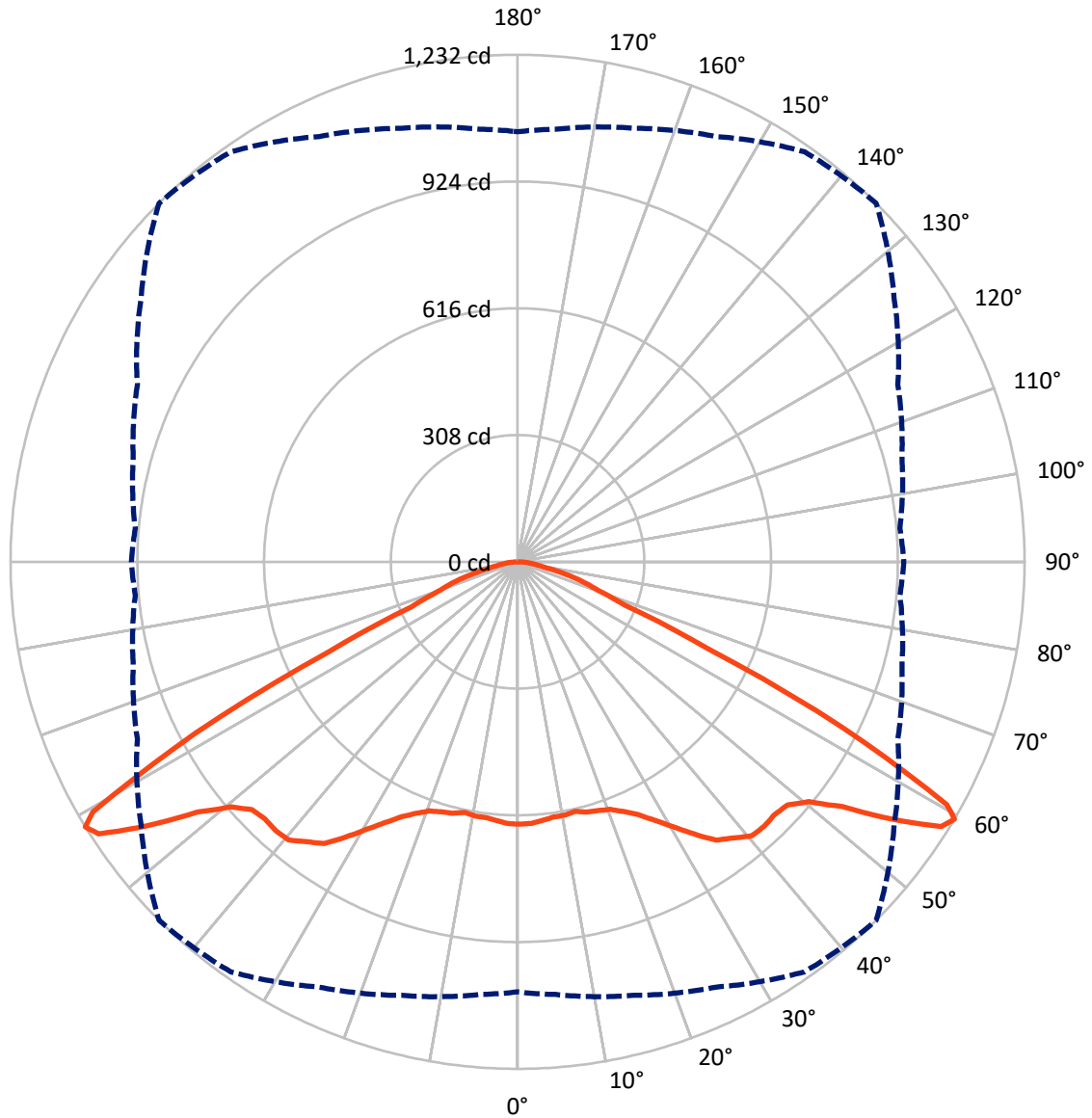
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P651660
CATALOG NUMBER: GALN-SA1A-840-U-5WQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

REPORT NUMBER: P651660
 CATALOG NUMBER: GALN-SA1A-840-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1650.9	0.0	1650.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1650.9	0.0	1650.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3301.8	0.0	3301.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.8
10°-20°	178.8	5.4
20°-30°	312.2	9.5
30°-40°	498.6	15.1
40°-50°	679.2	20.6
50°-60°	918.4	27.8
60°-70°	503.7	15.3
70°-80°	128.9	3.9
80°-90°	22.0	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°	3301.8	100.0
0°-180°	3301.8	100.0

Coefficient of Utilization



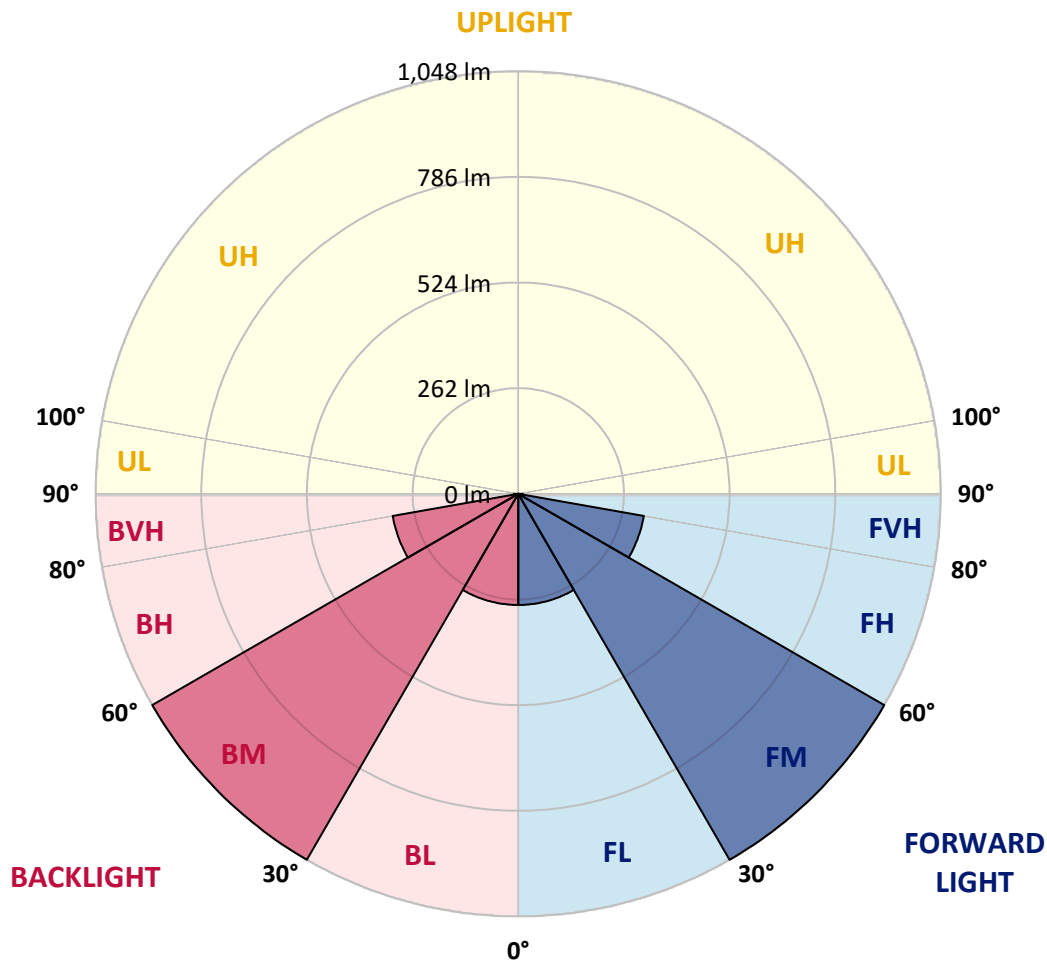
REPORT NUMBER: P651660
 CATALOG NUMBER: GALN-SA1A-840-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.5	8.3			
FM (30°-60°)	1048.1	31.7			
FH (60°-80°)	316.3	9.6			G0/660
FVH (80°-90°)	11.0	0.3			G1/100
BL (0°-30°)	275.5	8.3	B1/500		
BM (30°-60°)	1048.1	31.7	B2/2500		
BH (60°-80°)	316.3	9.6	B1/500		G0/660
BVH (80°-90°)	11.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P651660
 CATALOG NUMBER: GALN-SA1A-840-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7
2.5°	633.9	638.6	635.2	638.2	637.7	636.5	634.4	633.1	631.4	633.9	629.7
5°	631.4	635.2	639.0	633.9	633.9	631.4	630.2	627.6	627.6	627.1	626.7
7.5°	635.6	631.8	630.2	631.0	631.8	626.3	630.2	625.0	620.8	623.8	627.1
10°	631.8	633.5	627.1	630.2	625.5	626.3	623.8	627.1	622.5	622.5	622.5
12.5°	635.6	631.0	633.1	631.0	629.7	622.5	625.9	622.1	621.7	625.9	622.1
15°	643.3	635.6	633.9	629.7	631.0	631.0	627.6	628.0	623.3	625.9	626.7
17.5°	640.7	636.5	635.2	630.2	634.4	635.6	629.3	625.0	628.0	627.6	627.1
20°	642.9	644.5	643.3	644.1	645.8	642.4	636.5	630.6	626.7	632.3	631.8
22.5°	656.4	654.6	653.8	653.0	656.0	659.3	651.3	641.9	641.9	645.8	647.5
25°	667.3	666.9	666.5	670.4	680.5	680.5	670.4	658.5	655.5	658.1	656.0
27.5°	683.5	688.1	686.4	693.2	708.0	711.4	697.9	683.9	675.8	672.9	676.7
30°	720.2	714.8	716.0	723.3	736.4	747.3	726.6	711.8	700.8	700.4	702.1
32.5°	744.8	749.1	752.9	759.6	780.4	788.9	763.9	739.7	732.9	729.1	730.4
35°	793.9	790.1	789.3	796.0	816.8	830.7	799.4	778.3	769.3	777.8	777.8
37.5°	840.4	829.9	821.8	830.7	849.7	851.4	824.8	813.3	808.7	818.5	818.0
40°	862.4	861.6	843.0	848.1	873.5	876.0	851.0	837.5	836.6	849.3	862.0
42.5°	885.3	877.2	858.7	862.0	877.7	878.5	854.9	851.0	860.3	872.6	873.5
45°	889.1	882.4	870.5	862.0	873.5	876.0	862.0	864.5	865.4	880.2	880.2
47.5°	896.8	895.9	889.1	882.8	884.9	882.8	873.9	877.7	890.4	897.6	894.2
50°	917.9	909.0	915.8	910.3	910.7	916.6	908.6	912.4	909.9	903.5	899.3
52.5°	964.5	960.3	966.1	969.9	974.2	987.8	978.4	958.1	939.1	922.2	921.7
55°	1032.6	1035.5	1047.0	1066.5	1083.0	1104.5	1059.7	1011.0	980.5	953.9	955.5
57.5°	1096.9	1094.8	1110.5	1154.9	1203.1	1214.2	1126.1	1056.7	1007.2	990.3	983.0
59°	1045.3	1055.5	1090.9	1140.5	1216.3	1232.3	1117.2	1019.5	967.0	932.7	938.6
60°	964.0	967.8	999.5	1068.6	1170.9	1198.4	1057.6	961.9	892.0	872.2	881.1
62.5°	681.3	678.4	701.2	757.5	849.3	886.6	786.3	719.0	675.0	653.0	658.1
65°	362.2	375.8	385.1	420.2	468.9	508.2	466.8	437.6	413.0	394.8	394.4
67.5°	244.6	242.9	245.1	253.1	269.5	280.6	279.7	264.9	262.8	259.4	263.2
70°	206.1	205.2	201.4	201.4	204.8	207.4	210.3	212.0	215.4	219.7	219.2
72.5°	167.2	165.0	162.5	161.2	165.4	166.8	170.6	172.2	175.2	174.8	178.5
75°	110.4	110.4	113.5	116.8	118.1	120.6	121.0	126.2	126.2	127.0	123.5
77.5°	61.8	60.1	62.2	65.6	68.5	73.3	77.9	81.7	83.8	82.9	82.9
80°	36.0	36.0	38.1	41.9	45.7	50.0	53.3	56.3	58.4	57.5	55.8
82.5°	22.5	22.5	24.6	28.3	31.3	33.9	38.5	42.3	44.8	44.0	41.9
85°	11.4	11.4	14.0	16.5	20.4	22.0	21.6	19.9	19.4	17.3	17.3
87.5°	2.9	2.9	4.2	4.6	3.8	4.2	4.2	4.2	4.2	4.2	4.6
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)