

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: P651656

Luminaire Tested: **GALN-SA1A-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2673.6 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

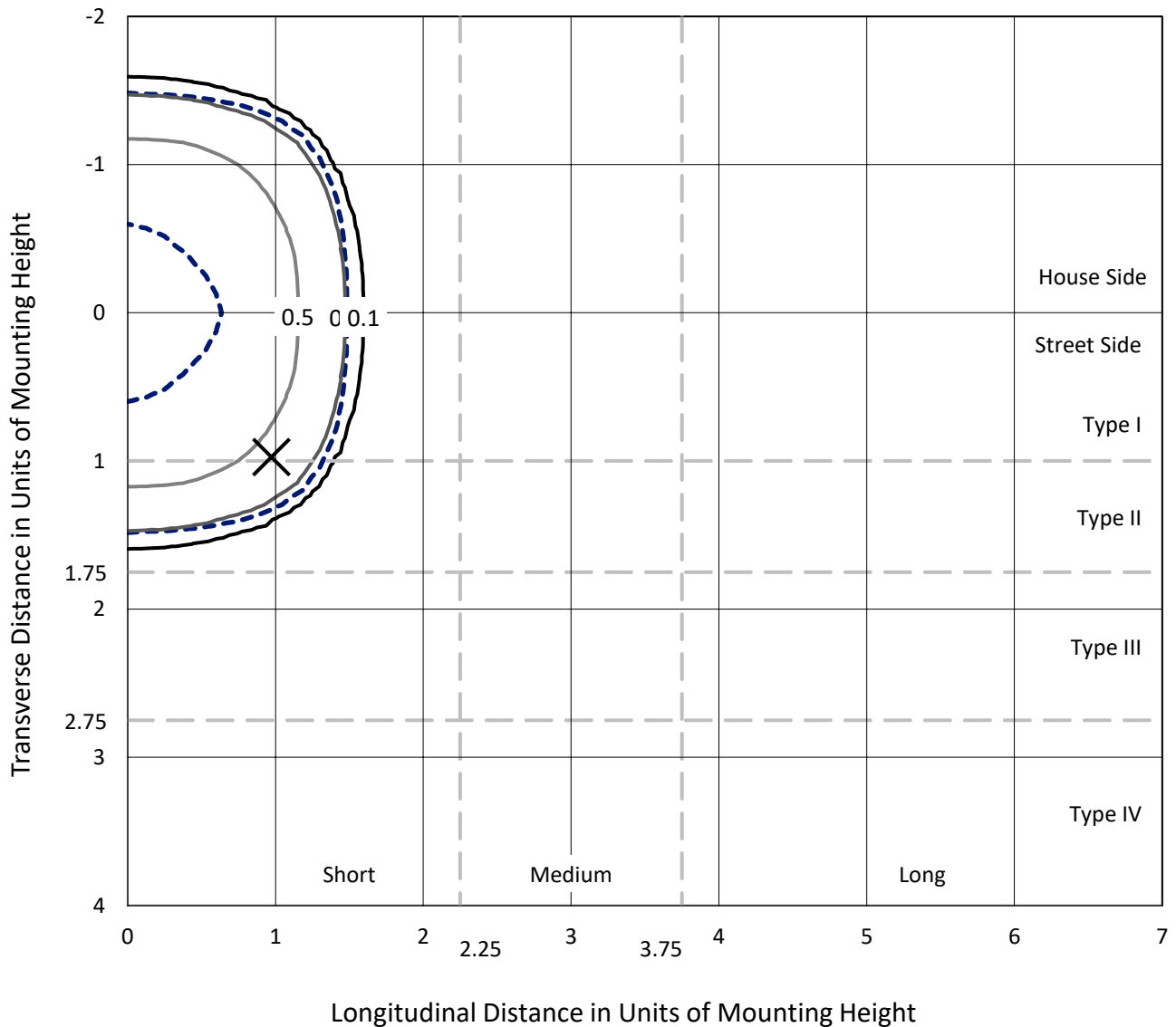
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

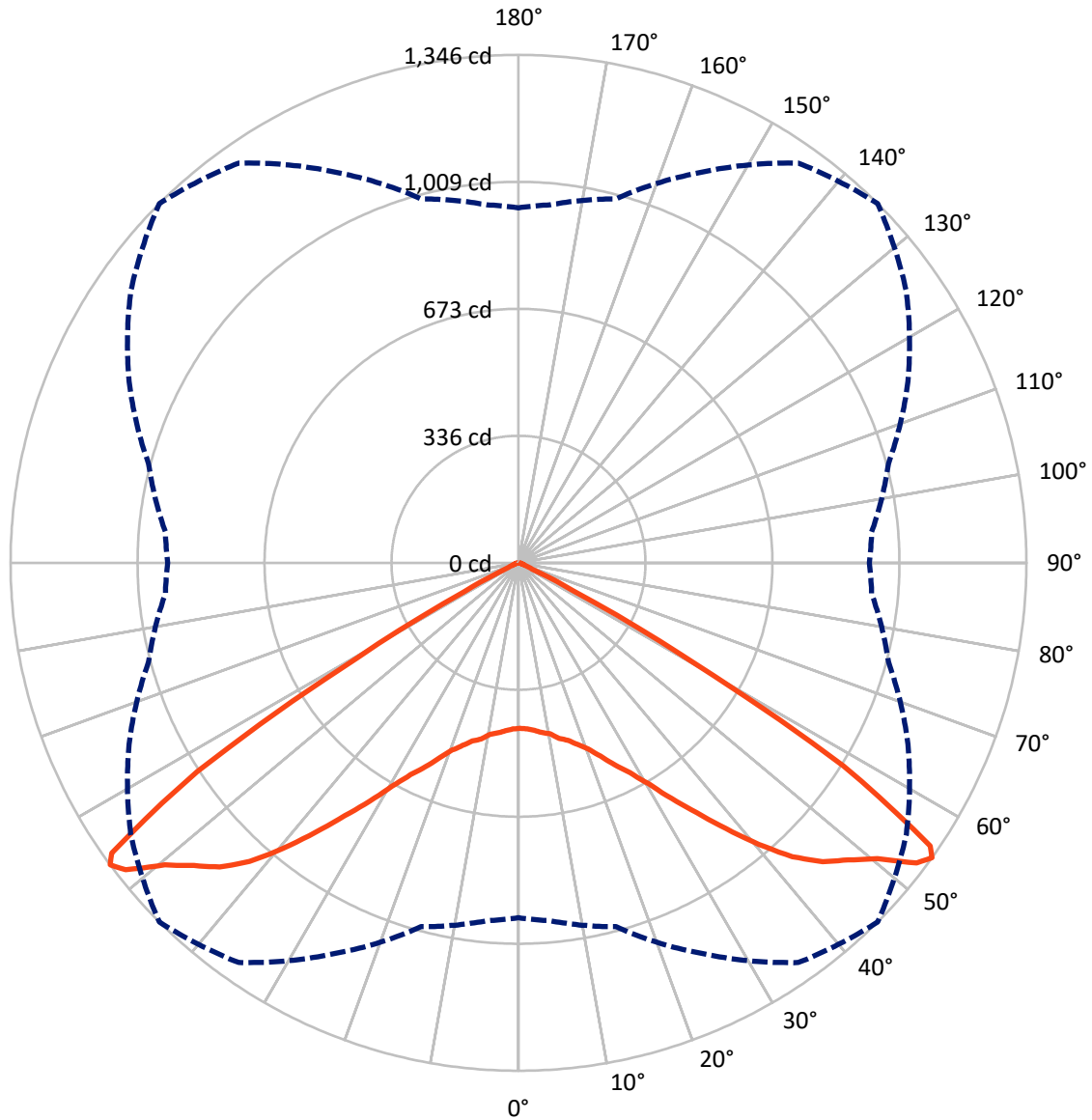
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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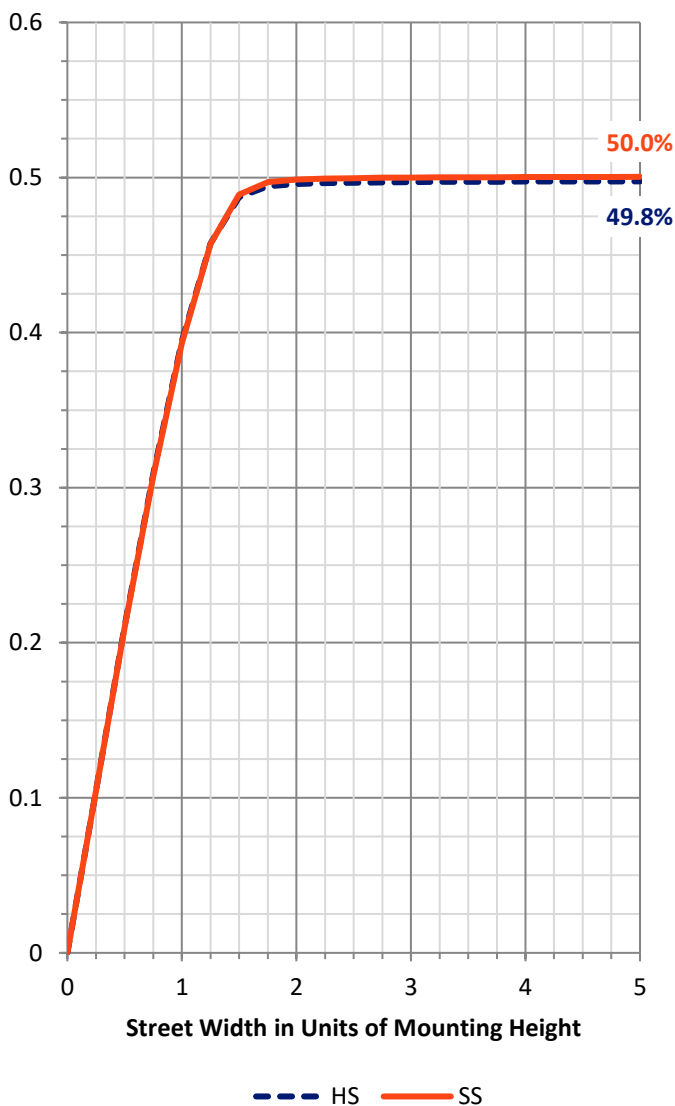
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.8	0.0	1336.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1336.8	0.0	1336.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2673.6	0.0	2673.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	1.6
10°-20°	138.9	5.2
20°-30°	272.3	10.2
30°-40°	489.7	18.3
40°-50°	838.3	31.4
50°-60°	811.1	30.3
60°-70°	69.4	2.6
70°-80°	8.2	0.3
80°-90°	2.6	0.1
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°	2673.6	100.0
0°-180°	2673.6	100.0

Coefficient of Utilization

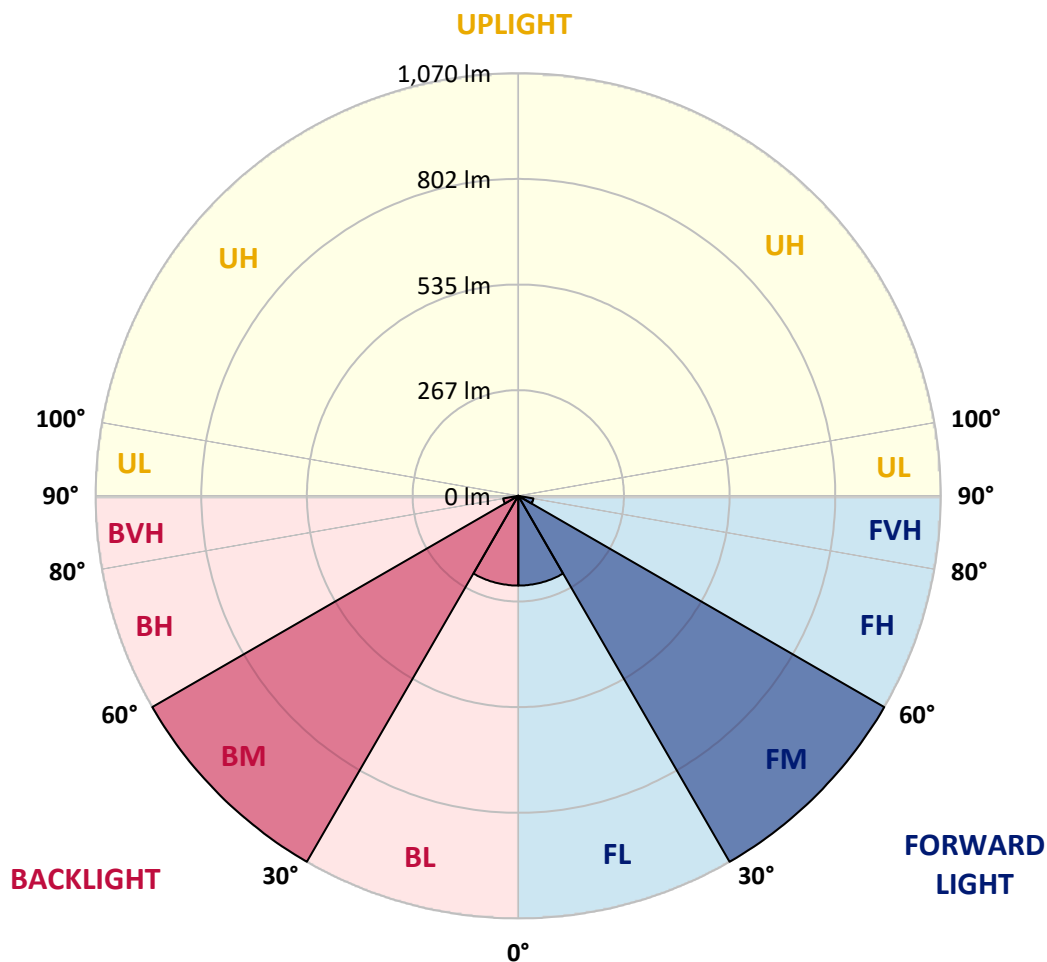


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.1	8.5			
FM (30°-60°)	1069.6	40.0			
FH (60°-80°)	38.8	1.5			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	227.1	8.5	B1/500		
BM (30°-60°)	1069.6	40.0	B2/2500		
BH (60°-80°)	38.8	1.5	B0/110		G0/660
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4	438.4
2.5°	440.5	443.0	441.4	442.6	442.6	440.5	441.8	436.6	440.1	437.5	438.0
5°	447.2	446.8	446.8	447.2	445.6	446.4	444.7	443.0	441.8	440.1	445.1
7.5°	455.7	455.7	452.8	453.6	452.8	454.1	450.7	447.2	446.0	444.7	443.9
10°	463.8	463.0	461.7	465.5	462.6	460.8	459.1	457.0	452.4	450.7	448.9
12.5°	475.7	475.2	473.6	477.4	475.7	477.4	471.0	465.5	464.7	459.1	462.1
15°	489.6	493.4	490.5	490.5	489.6	487.5	485.0	482.4	474.8	472.7	473.1
17.5°	507.9	506.5	507.0	507.0	511.2	505.7	500.6	494.3	490.5	489.2	485.0
20°	525.2	526.9	526.5	529.4	532.0	526.0	520.6	519.7	509.1	510.8	504.9
22.5°	555.7	554.5	556.6	558.7	557.0	556.2	551.0	544.7	535.4	531.2	530.3
25°	587.9	585.8	582.0	587.0	589.6	593.4	583.7	580.3	565.8	559.5	559.9
27.5°	615.4	618.4	622.6	624.8	631.1	629.8	623.0	612.0	601.1	593.8	589.1
30°	653.1	654.8	662.0	665.0	676.0	678.9	668.3	655.6	636.2	626.9	621.3
32.5°	687.9	699.7	699.3	714.1	731.9	744.2	725.1	705.6	686.2	675.2	665.4
35°	744.2	742.1	754.4	770.0	798.8	812.8	792.1	769.6	739.9	722.2	714.5
37.5°	796.7	797.5	814.1	839.1	872.1	893.7	875.5	838.6	808.1	785.2	774.6
40°	873.0	874.6	891.5	920.0	957.2	980.5	959.3	922.1	881.5	863.6	863.6
42.5°	962.3	969.5	980.5	1005.1	1038.6	1064.4	1045.4	1016.1	975.1	952.2	955.5
45°	1054.2	1057.6	1064.8	1101.2	1116.9	1129.6	1111.8	1098.3	1070.8	1042.8	1038.1
47.5°	1140.2	1141.5	1162.7	1174.1	1186.4	1175.8	1187.2	1169.4	1138.5	1111.4	1105.9
50°	1178.3	1176.2	1206.2	1241.0	1250.3	1231.7	1222.0	1210.1	1163.1	1130.5	1116.1
52.5°	1067.3	1079.7	1135.5	1232.1	1305.0	1320.6	1263.9	1209.3	1121.6	1058.1	1048.3
54°	940.3	951.8	997.9	1141.1	1292.7	1345.6	1254.1	1138.1	1014.4	939.0	929.3
55°	814.5	801.8	885.7	1031.7	1235.1	1323.6	1215.6	1046.2	904.7	835.7	822.1
57.5°	440.9	443.0	513.8	651.9	867.8	1014.8	896.3	707.8	534.5	457.0	450.3
60°	139.8	143.1	174.1	263.5	414.7	495.1	424.4	284.2	196.5	157.6	151.2
62.5°	43.6	45.3	49.5	73.7	113.5	162.2	127.1	76.3	56.8	52.1	53.0
65°	26.7	26.7	27.1	28.8	33.9	39.4	38.1	33.5	32.2	31.4	30.9
67.5°	17.3	16.9	17.8	19.1	19.9	20.4	21.6	22.9	22.5	21.6	21.6
70°	10.6	10.2	11.0	12.7	13.1	14.0	15.2	16.9	16.5	15.6	16.1
72.5°	6.0	6.0	6.4	7.7	8.9	9.8	11.0	12.3	12.7	12.3	12.3
75°	2.1	2.5	3.4	4.6	5.5	6.8	8.1	9.3	10.6	9.8	9.3
77.5°	0.8	0.8	1.7	2.9	4.2	5.5	7.7	8.9	9.8	8.9	8.1
80°	0.4	0.4	1.3	2.5	3.8	5.0	6.4	7.7	8.1	7.2	6.4
82.5°	0.4	0.4	1.3	2.5	3.8	4.6	6.8	7.7	8.5	7.7	6.4
85°	0.0	0.4	1.3	2.5	3.4	3.8	3.8	2.5	2.1	1.3	1.3
87.5°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)