

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: P526220

Luminaire Tested: **GALN-SA1A-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3246.1 lumens
Efficiency: N/A
Efficacy: 98.4 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



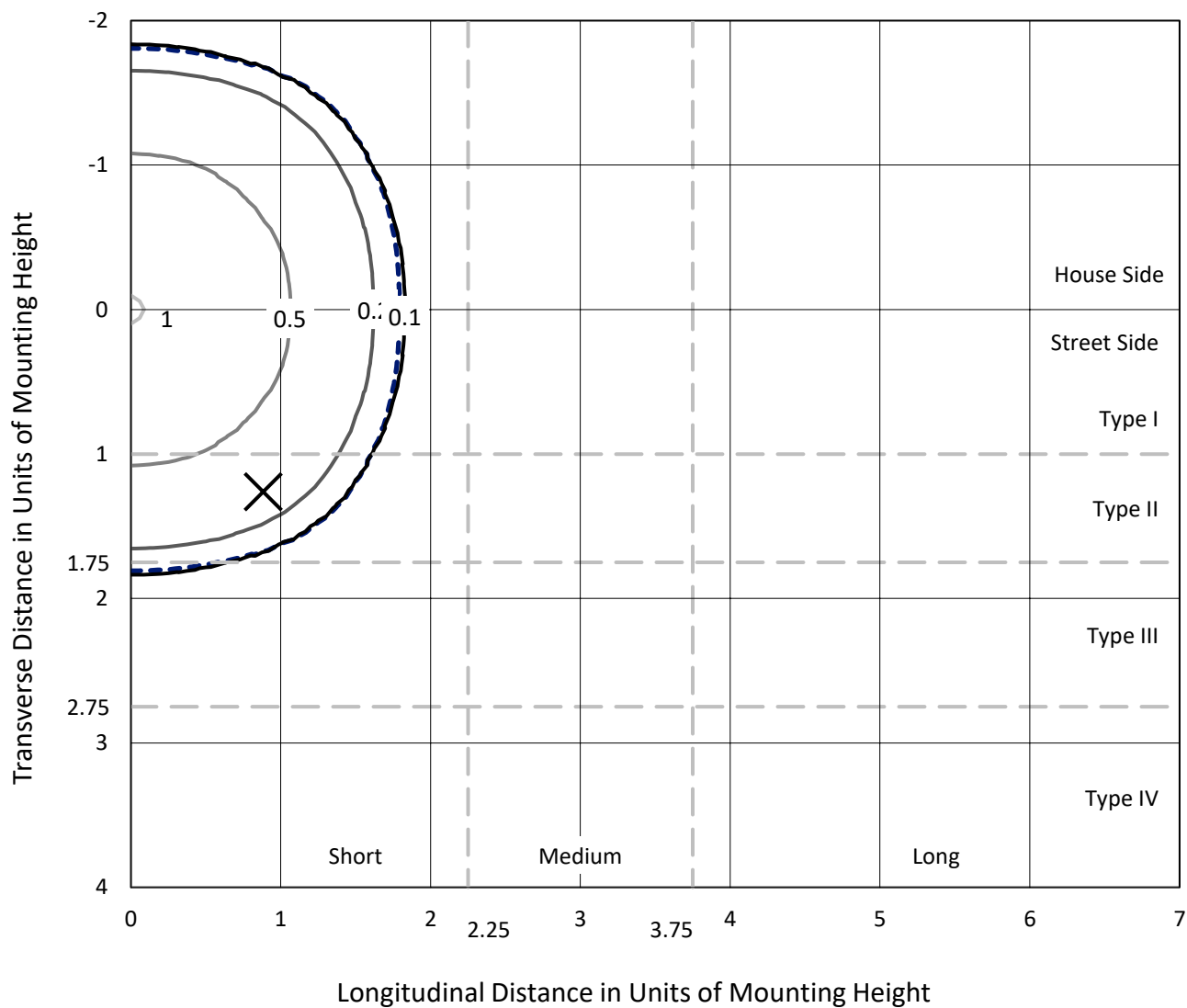
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

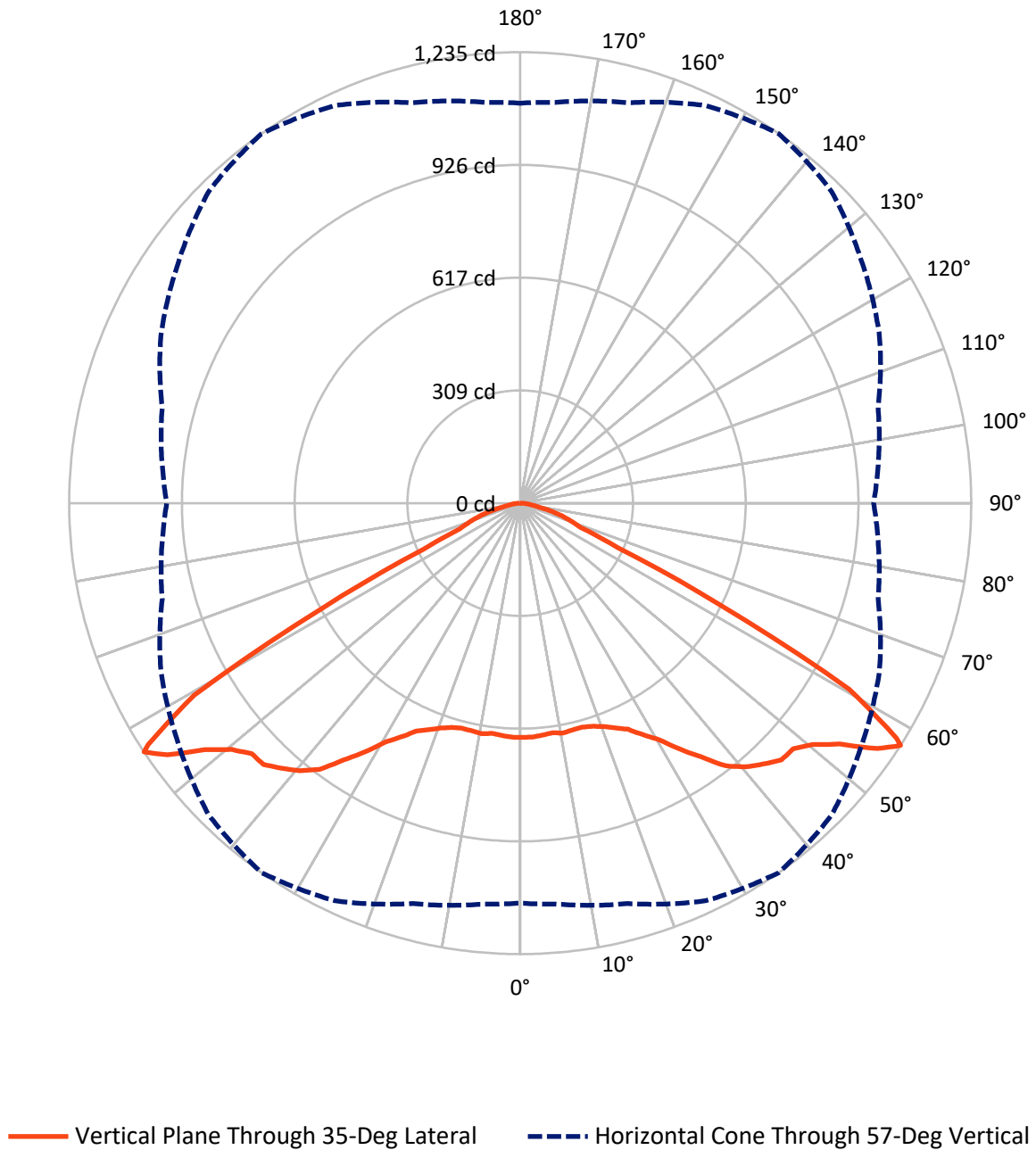


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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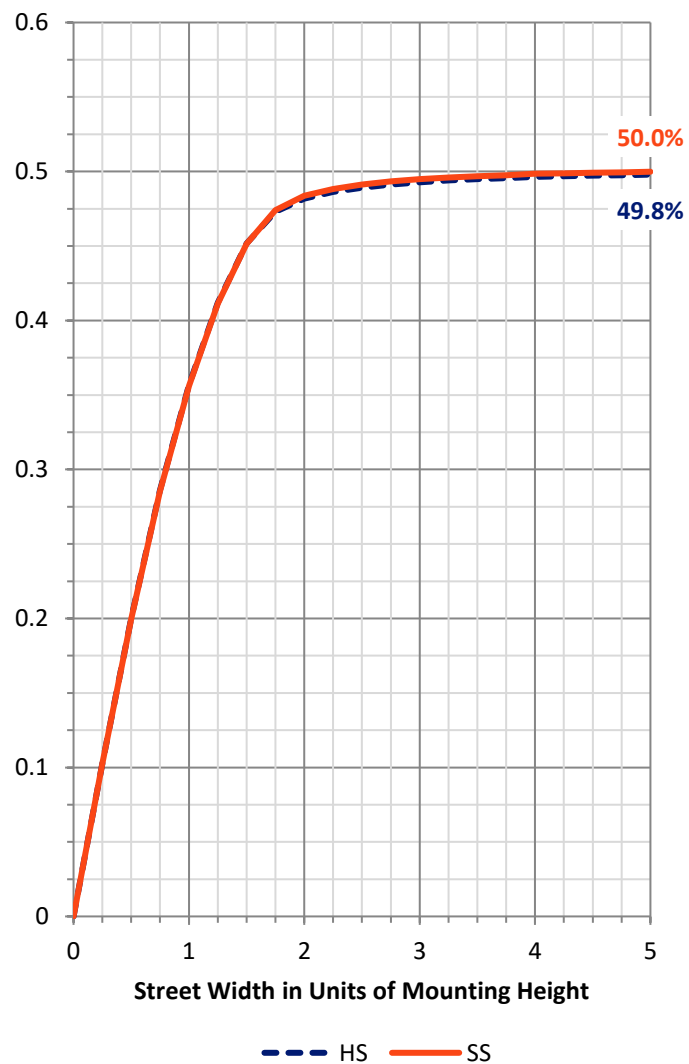
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1623.0	0.0	1623.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1623.0	0.0	1623.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3246.1	0.0	3246.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	1.9
10°-20°	180.0	5.5
20°-30°	314.4	9.7
30°-40°	515.1	15.9
40°-50°	755.3	23.3
50°-60°	951.3	29.3
60°-70°	357.8	11.0
70°-80°	95.2	2.9
80°-90°	16.3	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°	3246.1	100.0
0°-180°	3246.1	100.0

Coefficient of Utilization



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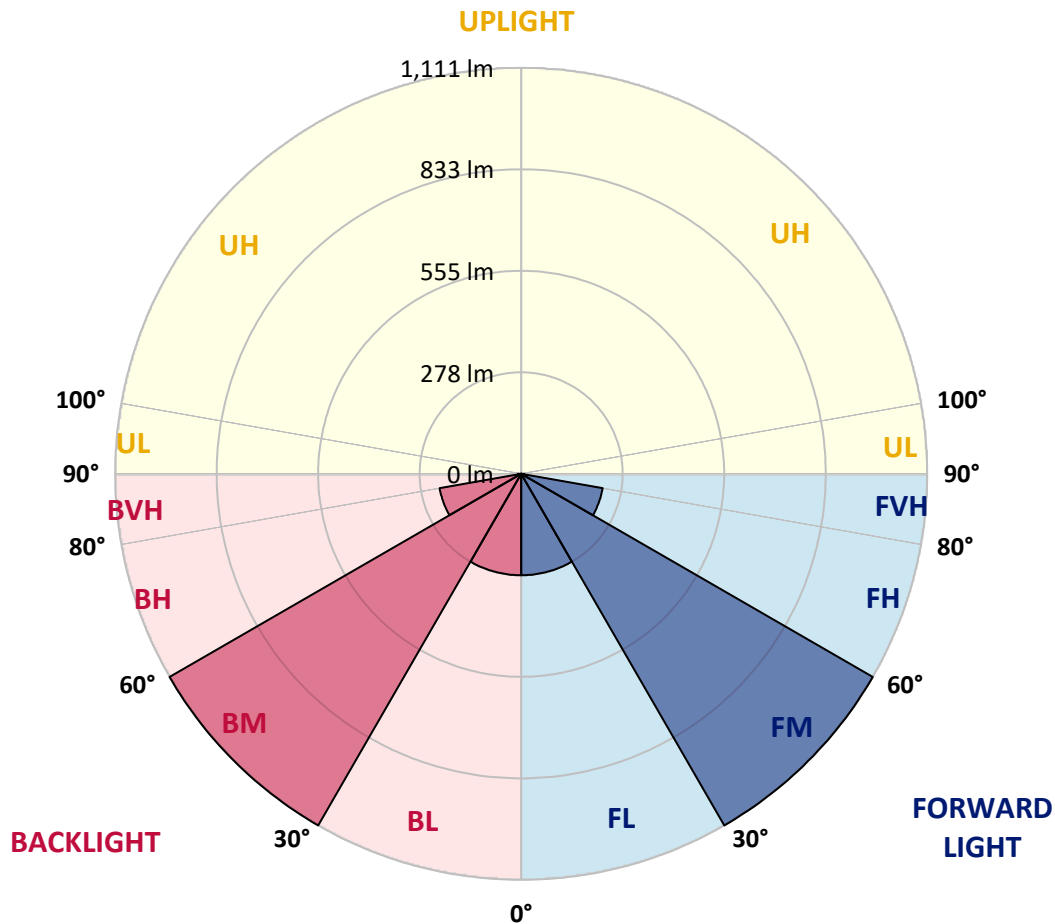
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.6	8.6			
FM	(30°-60°)	1110.8	34.2			
FH	(60°-80°)	226.5	7.0			G0/660
FVH	(80°-90°)	8.2	0.3			G0/10
BL	(0°-30°)	277.6	8.6	B1/500		
BM	(30°-60°)	1110.8	34.2	B2/2500		
BH	(60°-80°)	226.5	7.0	B1/500		G0/660
BVH	(80°-90°)	8.2	0.3			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°	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1
2.5°	637.9	644.3	641.5	639.9	641.1	639.1	635.9	639.5	638.7	635.5	634.3
5°	636.3	641.1	637.9	641.1	637.9	643.5	641.9	635.9	643.1	636.3	638.7
7.5°	635.1	636.7	637.5	635.9	634.7	641.5	637.9	635.1	631.1	629.9	631.9
10°	632.3	636.3	630.3	638.3	639.9	635.1	635.1	629.9	626.7	624.7	631.5
12.5°	639.5	632.7	631.9	635.9	637.1	639.1	633.5	630.7	624.7	625.5	624.3
15°	631.1	633.9	634.3	635.1	636.3	641.1	635.9	629.9	627.5	619.1	619.9
17.5°	634.3	631.5	634.3	643.5	641.9	645.5	639.9	630.7	625.1	620.3	626.7
20°	639.9	638.7	639.9	651.1	653.1	656.3	651.5	643.1	632.3	626.7	629.9
22.5°	645.9	645.1	645.9	656.7	668.3	672.3	667.5	647.9	642.3	631.9	628.3
25°	656.7	657.5	665.9	677.9	685.5	693.0	684.3	670.3	652.3	645.9	638.3
27.5°	680.7	682.7	687.5	705.0	718.2	725.0	712.6	693.4	682.3	669.1	667.1
30°	710.2	710.2	718.6	733.8	751.8	762.2	747.0	724.2	710.6	703.4	699.0
32.5°	749.4	745.0	748.2	775.0	803.0	811.8	791.4	763.4	741.8	732.2	729.0
35°	783.0	785.8	793.0	821.8	853.0	873.4	841.4	805.0	783.0	774.2	772.6
37.5°	826.6	831.4	835.0	874.6	912.2	919.8	889.0	859.8	833.0	825.8	821.8
40°	888.2	885.0	886.2	915.4	949.4	954.2	923.8	903.0	881.0	876.6	876.6
42.5°	939.0	935.4	939.4	950.2	976.2	972.6	955.8	940.6	931.4	926.6	931.4
45°	969.8	969.0	976.2	984.2	1002.6	990.6	977.4	979.8	971.0	963.0	962.6
47.5°	1003.4	998.2	1007.0	1019.0	1005.0	999.4	998.6	1003.8	1001.0	987.0	982.6
50°	1019.8	1017.8	1031.8	1045.8	1038.2	1025.4	1028.2	1036.6	1000.6	981.8	971.0
52.5°	1063.8	1064.2	1091.0	1098.6	1095.4	1076.6	1082.6	1059.8	1017.4	991.0	992.2
55°	1133.0	1130.2	1160.1	1182.5	1186.1	1162.1	1133.4	1101.4	1048.2	1021.4	1013.4
57°	1095.0	1101.4	1134.6	1200.9	1234.5	1206.1	1143.4	1085.0	1014.2	981.8	967.4
57.5°	1044.2	1054.6	1112.2	1178.9	1214.1	1211.7	1131.0	1054.6	991.4	941.0	942.2
60°	765.0	767.0	819.0	925.0	1035.0	1037.4	939.0	837.8	767.4	712.6	720.2
62.5°	403.5	412.7	433.5	518.7	613.9	637.1	577.5	525.5	464.7	423.1	427.1
65°	213.6	212.4	222.4	246.3	293.1	305.1	297.1	255.9	234.7	228.0	228.4
67.5°	173.6	175.6	174.4	175.6	178.8	184.0	182.8	184.4	185.6	187.6	187.2
70°	147.2	147.2	148.0	148.4	148.4	150.8	153.6	158.8	159.2	161.2	162.0
72.5°	116.0	115.2	116.4	119.2	119.6	121.6	125.6	128.8	130.0	130.0	127.6
75°	78.8	79.6	81.2	83.6	86.0	89.6	92.8	94.8	95.6	94.4	93.2
77.5°	44.4	45.2	46.4	50.0	52.8	56.0	59.6	61.6	63.6	64.0	61.6
80°	26.4	26.4	28.4	31.2	34.4	37.6	40.8	43.2	44.0	44.0	42.8
82.5°	16.0	16.4	18.0	20.8	23.6	25.6	28.4	30.4	32.0	31.6	30.8
85°	8.4	8.4	10.0	12.4	14.4	16.4	16.4	15.2	14.4	12.4	11.6
87.5°	2.8	2.4	3.2	3.2	2.8	3.2	3.2	3.6	3.6	3.6	3.6
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)