

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: P526222

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
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-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3312 lumens
Efficiency: N/A
Efficacy: 100.4 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

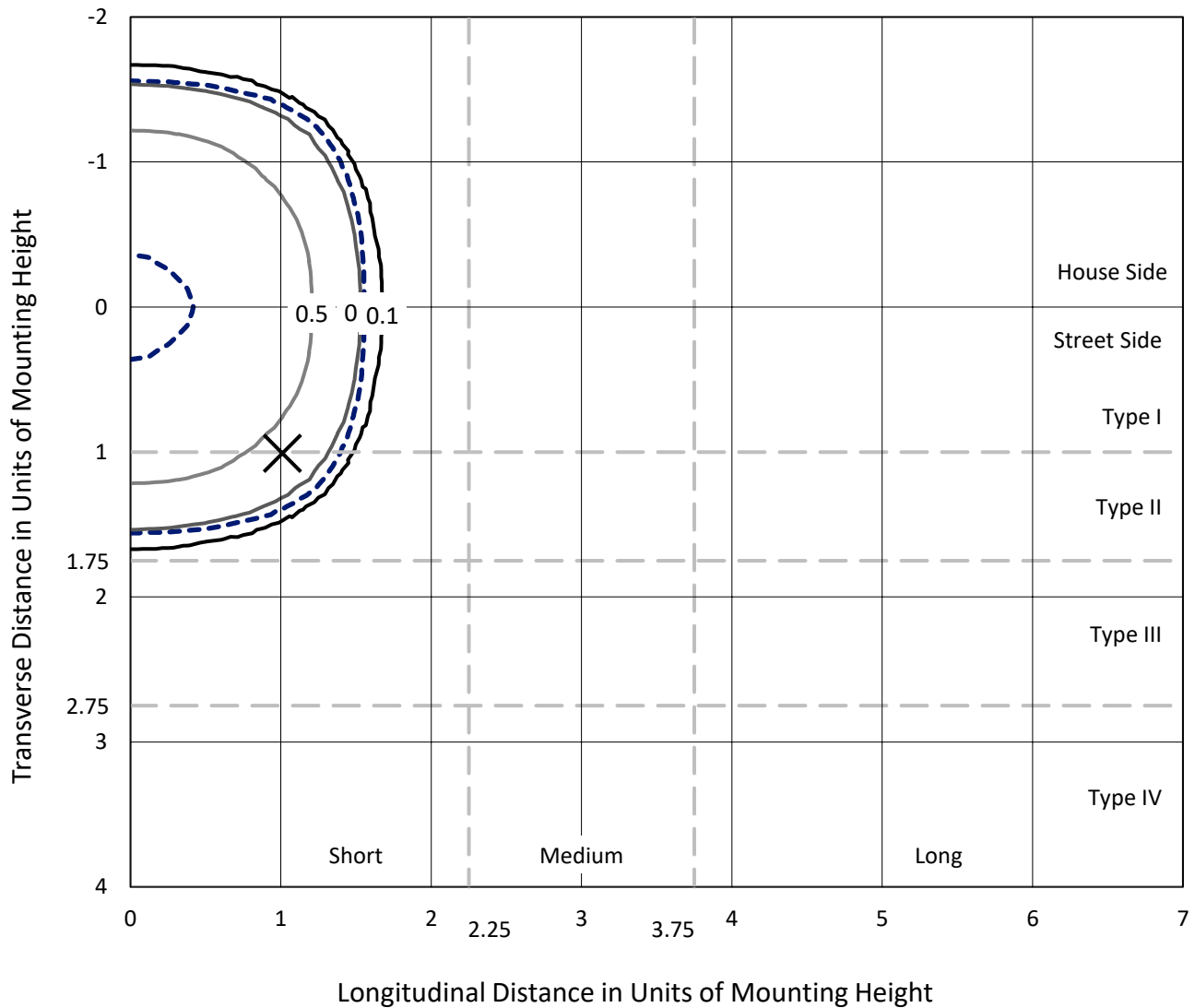


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

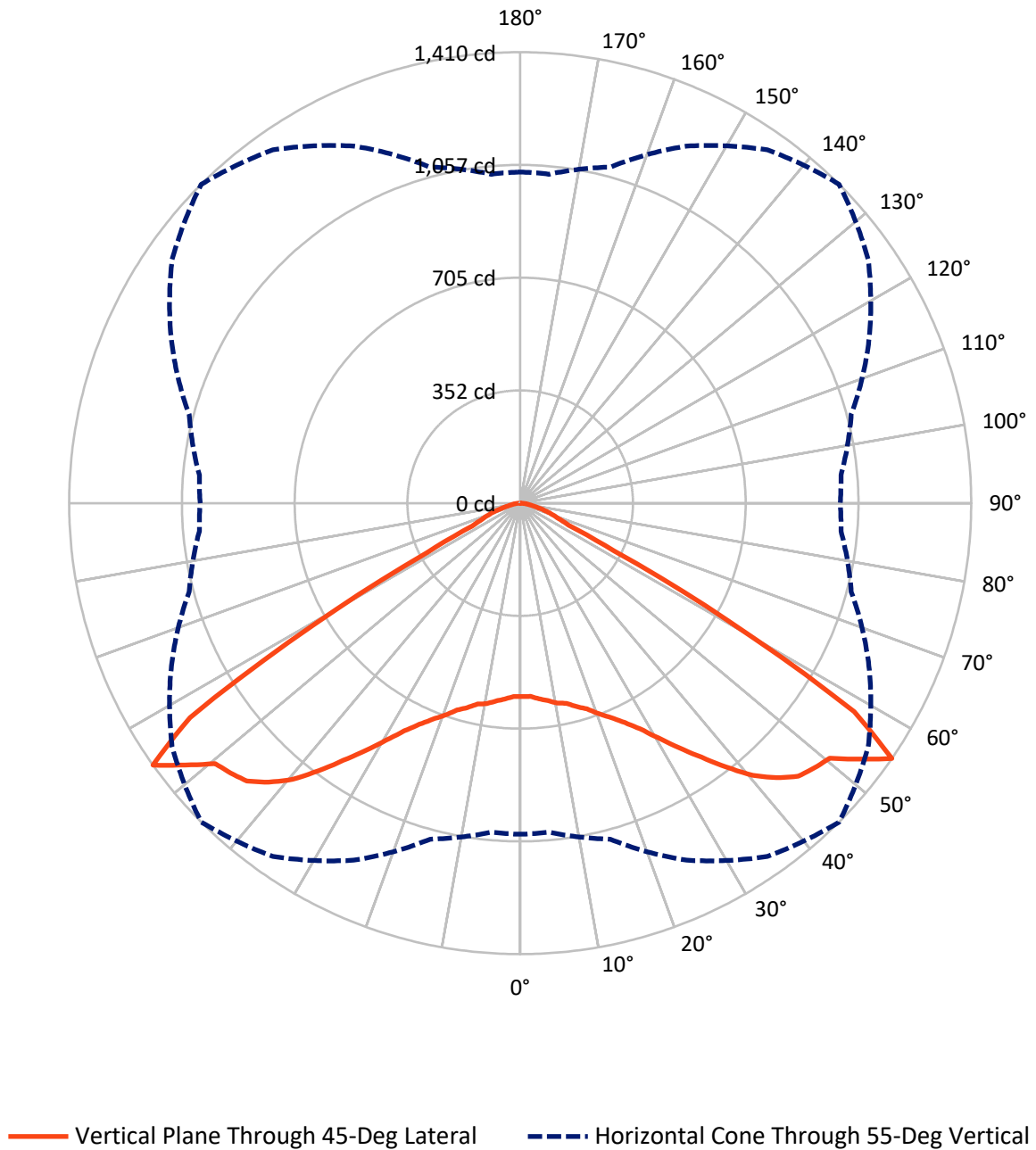


Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1656.0	0.0	1656.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1656.0	0.0	1656.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3312.0	0.0	3312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	1.8
10°-20°	187.2	5.7
20°-30°	349.0	10.5
30°-40°	584.4	17.6
40°-50°	909.4	27.5
50°-60°	944.2	28.5
60°-70°	200.3	6.0
70°-80°	65.9	2.0
80°-90°	12.6	0.4
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°	3312.0	100.0
0°-180°	3312.0	100.0

Coefficient of Utilization



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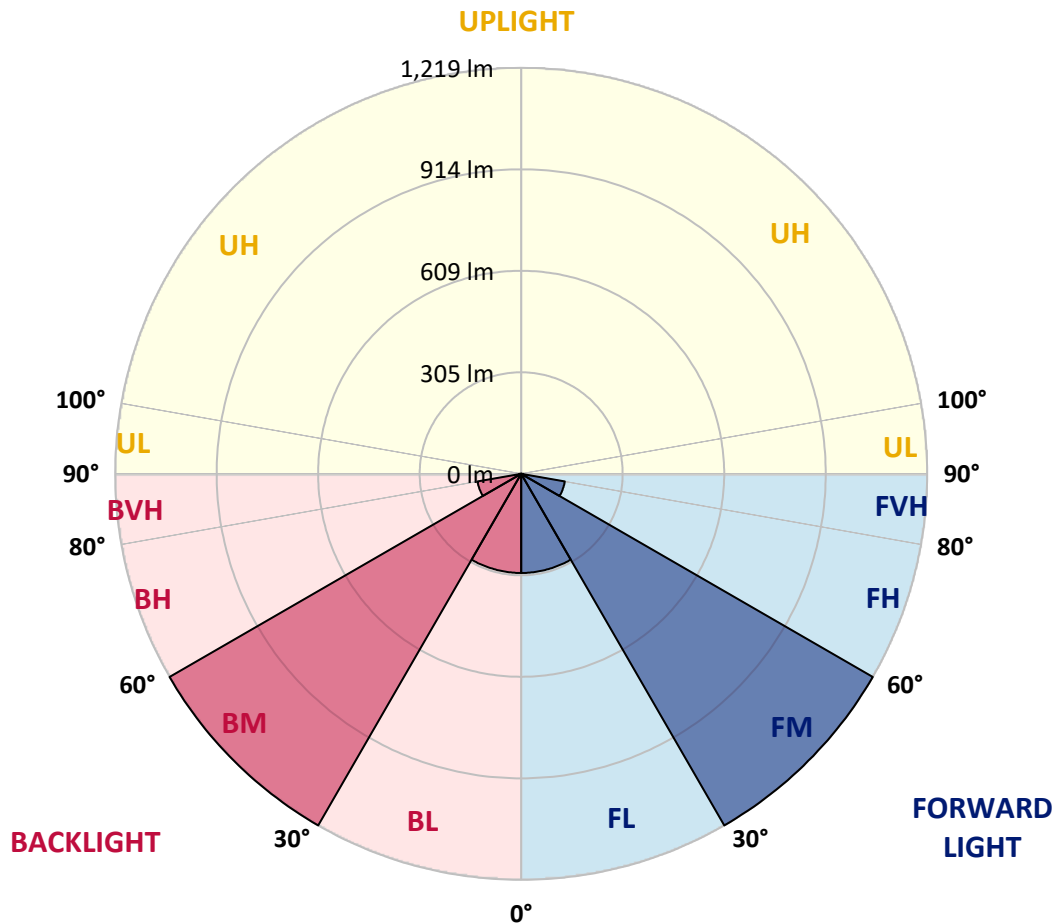
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.6	9.0			
FM	(30°-60°)	1219.0	36.8			
FH	(60°-80°)	133.1	4.0			G0/660
FVH	(80°-90°)	6.3	0.2			G0/10
BL	(0°-30°)	297.6	9.0	B1/500		
BM	(30°-60°)	1219.0	36.8	B2/2500		
BH	(60°-80°)	133.1	4.0	B1/500		G0/660
BVH	(80°-90°)	6.3	0.2			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°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7
2.5°	611.9	609.1	604.3	607.9	610.7	604.7	607.1	608.3	607.5	604.3	605.5
5°	620.7	619.1	615.1	617.9	614.3	614.3	611.9	608.7	613.5	612.7	614.7
7.5°	620.7	618.7	626.7	621.5	623.1	623.1	619.1	615.9	618.3	614.7	612.7
10°	633.1	635.9	632.3	633.5	632.7	635.5	629.5	627.5	625.5	624.3	621.9
12.5°	647.9	645.9	647.1	646.3	649.1	641.9	638.3	633.9	637.5	632.3	635.9
15°	660.0	658.8	660.0	663.2	660.4	660.0	653.5	649.1	643.5	644.7	639.1
17.5°	676.4	675.2	675.6	678.4	678.0	676.0	671.2	662.8	660.8	657.5	653.9
20°	700.8	698.8	698.0	699.2	701.2	702.8	693.2	690.0	683.2	678.0	672.0
22.5°	721.6	720.8	724.0	718.8	723.2	728.0	718.8	717.2	700.4	697.6	691.2
25°	750.4	749.2	747.2	754.8	760.0	759.6	750.8	742.0	729.2	726.0	726.0
27.5°	780.8	774.0	784.4	786.4	795.6	798.4	790.8	778.0	766.0	759.2	760.8
30°	818.8	812.4	814.8	829.2	841.2	851.7	832.4	813.6	796.8	784.8	782.8
32.5°	856.9	850.5	857.7	871.7	895.7	911.3	892.5	859.7	840.0	822.4	826.0
35°	887.7	892.5	904.1	925.3	950.1	975.3	945.3	920.1	892.1	872.5	875.3
37.5°	937.3	952.1	961.3	985.7	1020.9	1047.0	1015.7	982.9	952.9	927.3	918.5
40°	1002.1	1012.1	1022.5	1051.4	1093.0	1119.0	1089.4	1046.6	1016.9	990.5	989.3
42.5°	1073.4	1083.0	1093.8	1129.0	1153.8	1173.4	1146.2	1123.4	1090.6	1069.8	1068.6
45°	1156.2	1149.4	1161.4	1184.6	1205.4	1218.2	1200.6	1189.4	1165.8	1146.6	1144.6
47.5°	1211.4	1205.4	1227.1	1247.9	1251.1	1237.1	1240.7	1251.1	1226.3	1194.6	1204.6
50°	1243.5	1243.5	1257.9	1277.1	1271.1	1253.1	1281.5	1282.3	1257.5	1229.5	1229.5
52.5°	1187.8	1200.2	1241.1	1303.9	1323.9	1329.1	1322.7	1295.5	1230.7	1173.4	1170.6
55°	1035.0	1032.1	1087.4	1231.5	1347.9	1409.6	1327.9	1202.6	1071.0	1006.5	1000.1
57.5°	673.2	676.4	758.8	905.7	1115.8	1230.7	1093.0	916.9	758.8	670.0	678.4
60°	303.0	313.8	363.8	473.5	653.9	747.6	655.5	497.5	381.8	331.4	335.8
62.5°	174.1	176.1	178.1	211.3	278.5	329.4	289.4	223.3	196.9	188.1	188.1
65°	146.9	145.7	146.1	148.9	156.1	166.5	162.1	156.1	156.9	156.1	154.9
67.5°	124.9	126.5	125.3	127.3	127.7	129.3	132.1	134.5	134.9	135.7	134.9
70°	102.5	102.9	103.7	105.3	105.7	106.9	110.9	112.9	114.1	114.1	115.7
72.5°	78.4	78.0	78.8	80.4	82.4	82.8	86.4	89.2	90.8	88.8	89.2
75°	51.6	52.0	53.2	54.4	57.2	60.0	61.2	64.0	64.4	65.2	63.2
77.5°	30.8	31.6	32.8	35.2	37.6	40.0	42.8	44.8	45.6	44.8	42.4
80°	20.0	20.0	21.6	23.6	26.4	28.4	30.0	31.6	32.8	31.6	30.8
82.5°	12.4	12.4	14.4	16.8	18.8	20.0	22.4	24.4	25.6	24.8	23.6
85°	6.4	6.8	8.4	10.4	12.0	12.8	12.4	11.2	10.0	9.6	8.8
87.5°	2.0	2.0	2.4	2.4	2.0	2.0	2.4	2.0	2.4	2.4	2.4
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)