

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: P452225

Luminaire Tested: **GALN-SA3A-830-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452225
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-SA3A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11193 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 93
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

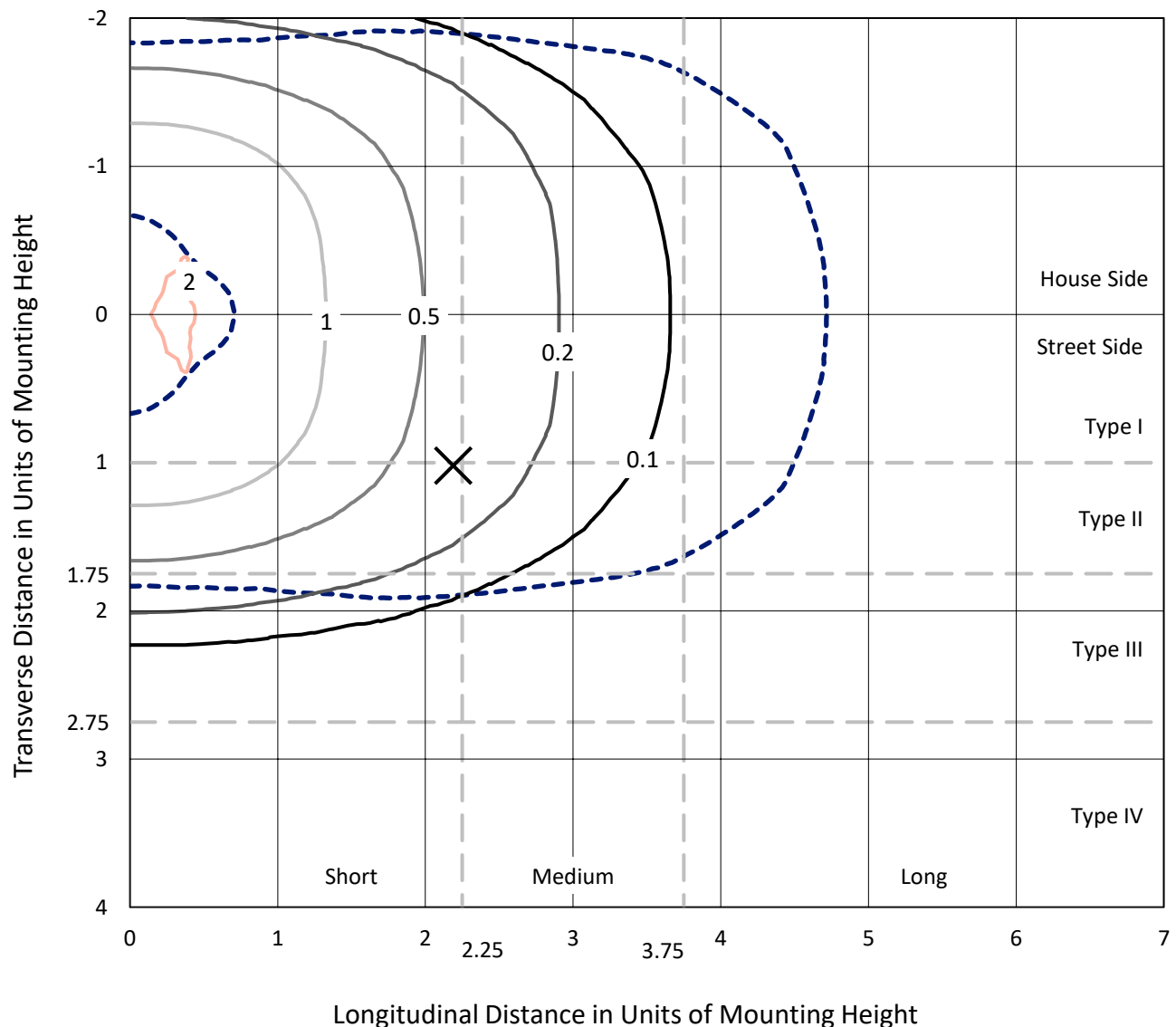


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

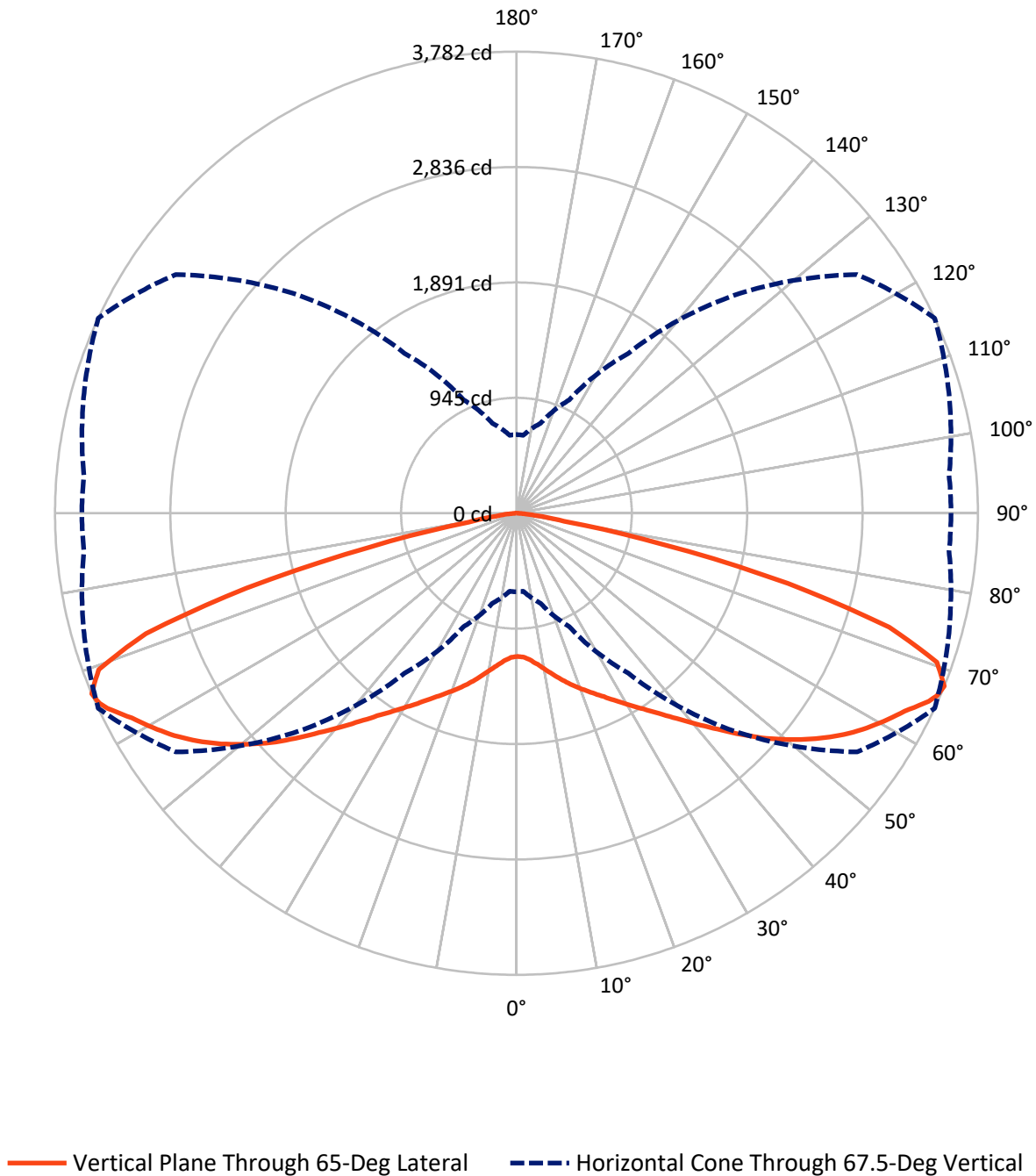


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5596.5	0.0	5596.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5596.5	0.0	5596.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11193.0	0.0	11193.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	1.0
10°-20°	387.0	3.5
20°-30°	757.0	6.8
30°-40°	1287.5	11.5
40°-50°	2037.8	18.2
50°-60°	2702.1	24.1
60°-70°	2548.9	22.8
70°-80°	1260.0	11.3
80°-90°	97.1	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°	11193.0	100.0
0°-180°	11193.0	100.0

Coefficient of Utilization



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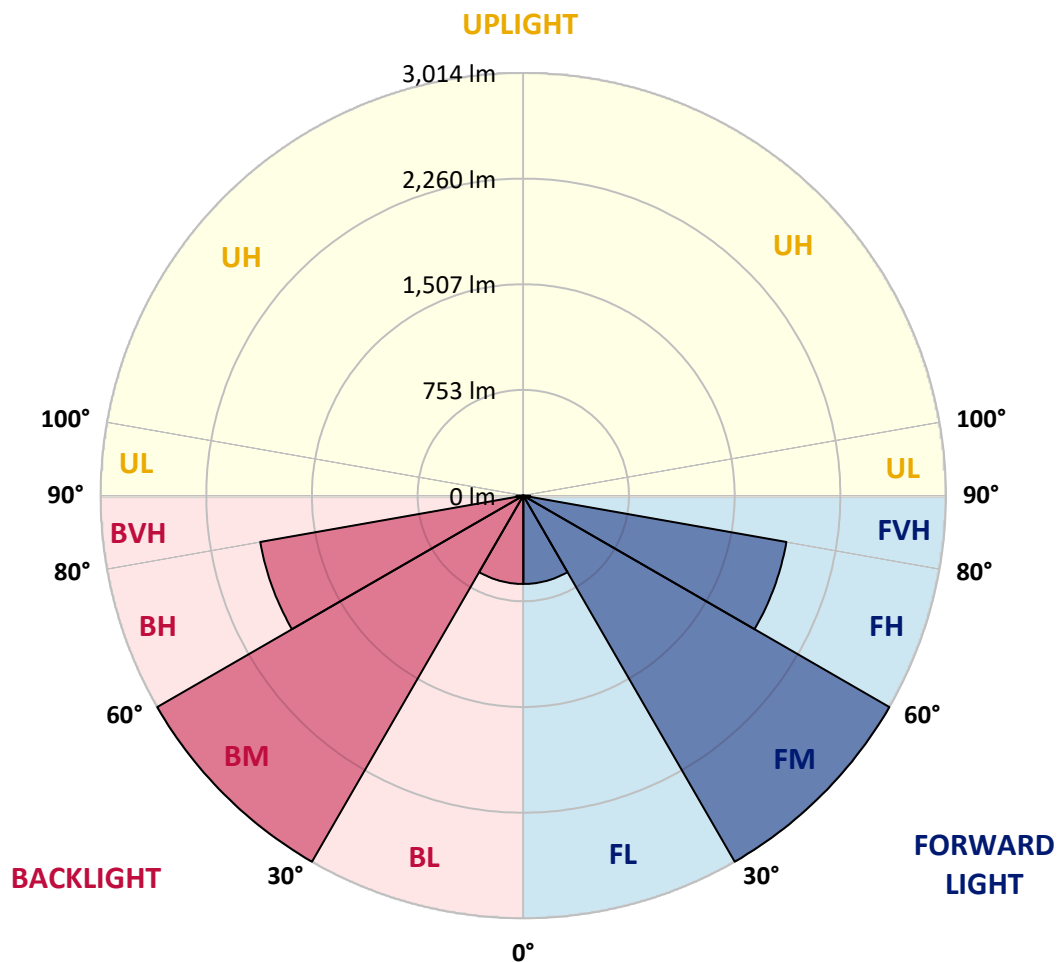
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	629.8	5.6			
FM	(30°-60°)	3013.7	26.9			
FH	(60°-80°)	1904.5	17.0			G2/5000
FVH	(80°-90°)	48.6	0.4			G1/100
BL	(0°-30°)	629.8	5.6	B2/1000		
BM	(30°-60°)	3013.7	26.9	B3/5000		
BH	(60°-80°)	1904.5	17.0	B3/2500		G3/2500
BVH	(80°-90°)	48.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4
2.5°	1166.4	1167.6	1168.8	1170.6	1173.0	1176.6	1179.0	1180.8	1185.6	1186.2	1185.6
5°	1162.2	1163.4	1166.4	1171.8	1179.6	1190.4	1198.8	1208.9	1216.7	1222.1	1220.9
7.5°	1161.6	1164.0	1168.8	1180.2	1195.2	1213.7	1232.9	1250.3	1265.3	1277.3	1275.5
10°	1171.2	1174.2	1182.0	1198.8	1222.1	1249.1	1276.1	1301.9	1323.5	1339.1	1344.5
12.5°	1187.4	1189.8	1204.2	1229.3	1262.9	1296.5	1327.1	1358.9	1388.9	1415.2	1415.2
15°	1215.5	1219.7	1237.7	1274.3	1315.7	1354.7	1385.9	1419.4	1451.8	1481.8	1490.8
17.5°	1254.5	1260.5	1287.5	1334.3	1387.1	1423.0	1452.4	1480.0	1508.2	1537.0	1541.2
20°	1307.9	1313.9	1349.9	1406.2	1468.6	1511.8	1531.6	1538.2	1552.0	1579.5	1583.1
22.5°	1380.5	1386.5	1426.6	1490.2	1559.8	1606.5	1614.9	1599.3	1595.7	1617.3	1619.7
25°	1462.6	1468.0	1514.2	1582.5	1654.5	1705.5	1703.1	1664.7	1643.1	1656.3	1659.9
27.5°	1555.0	1562.8	1609.5	1680.3	1758.3	1803.2	1796.0	1740.3	1694.1	1691.7	1692.9
30°	1673.1	1681.5	1725.9	1793.6	1870.4	1911.8	1896.8	1821.8	1750.5	1726.5	1726.5
32.5°	1797.8	1818.8	1863.8	1934.6	1994.5	2024.5	2001.7	1911.8	1817.0	1783.4	1781.6
35°	1960.3	1971.7	2016.1	2085.1	2130.1	2153.4	2109.7	2013.1	1904.0	1864.4	1859.0
37.5°	2119.3	2128.9	2180.4	2246.4	2301.0	2299.8	2240.4	2133.6	2011.9	1967.5	1963.9
40°	2281.8	2292.0	2350.7	2411.3	2465.9	2461.1	2389.1	2269.8	2140.2	2090.5	2100.1
42.5°	2422.7	2434.1	2500.7	2587.0	2636.2	2635.0	2551.6	2417.3	2282.4	2238.0	2246.4
45°	2551.0	2561.2	2638.6	2737.5	2809.5	2818.5	2727.3	2585.2	2446.7	2389.7	2392.1
47.5°	2641.6	2660.8	2741.7	2855.1	2952.8	2984.6	2895.2	2756.1	2596.6	2537.2	2540.8
50°	2710.5	2722.5	2810.7	2939.6	3063.1	3129.1	3057.2	2914.4	2746.5	2683.6	2691.9
52.5°	2718.9	2733.3	2829.3	2978.0	3136.3	3236.5	3201.1	3069.1	2899.4	2834.7	2852.7
55°	2650.6	2659.0	2773.5	2954.0	3165.1	3316.2	3325.2	3213.1	3045.2	2996.0	3008.0
57.5°	2455.7	2477.3	2622.4	2841.9	3125.5	3358.8	3418.2	3343.8	3192.7	3144.1	3163.3
60°	2136.0	2157.6	2303.4	2581.6	2976.2	3339.0	3494.9	3459.5	3326.4	3287.4	3297.6
62.5°	1673.7	1671.9	1852.4	2193.6	2679.4	3241.9	3551.9	3571.1	3458.3	3409.2	3424.8
65°	1084.8	1090.2	1264.7	1632.3	2231.4	2994.8	3564.5	3713.2	3587.9	3513.5	3524.9
66°	872.5	888.7	1036.8	1375.7	2002.9	2832.9	3526.7	3755.2	3627.4	3537.5	3542.9
67.5°	644.1	641.1	762.8	1024.2	1599.3	2525.2	3408.6	3781.6	3672.4	3559.1	3561.5
70°	367.6	367.0	410.2	562.5	940.3	1778.0	2873.1	3655.0	3763.6	3637.0	3630.4
72.5°	268.7	266.9	272.9	310.6	458.8	897.7	1981.9	3194.5	3716.8	3624.4	3605.9
75°	225.5	224.3	223.1	227.9	257.3	406.6	1051.8	2298.0	3225.1	3402.0	3382.8
77.5°	184.1	184.1	184.7	183.5	184.7	214.1	436.0	1231.7	1963.9	2192.4	2245.8
80°	143.9	143.3	153.5	149.3	139.7	137.3	193.1	396.4	651.8	648.3	534.9
82.5°	106.1	98.9	116.9	113.9	103.1	87.6	112.7	169.1	217.7	141.5	104.9
85°	67.2	66.6	82.8	75.6	63.0	41.4	54.0	72.6	90.0	54.6	44.4
87.5°	12.0	11.4	26.4	19.2	19.2	12.0	15.0	19.8	29.4	20.4	15.0
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)