

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: P451758

Luminaire Tested: **GALN-SA2C-830-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11758 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 108
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

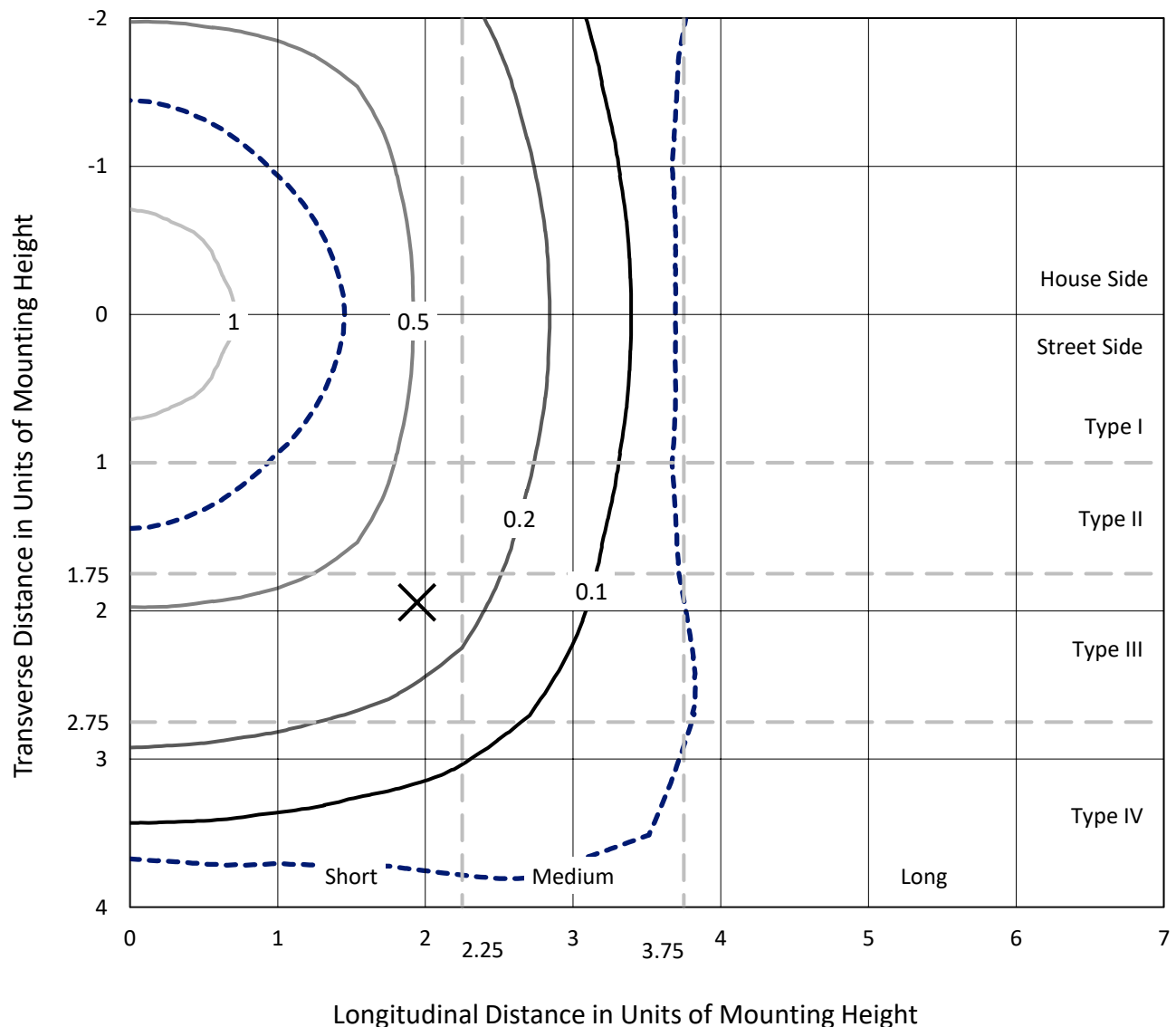


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

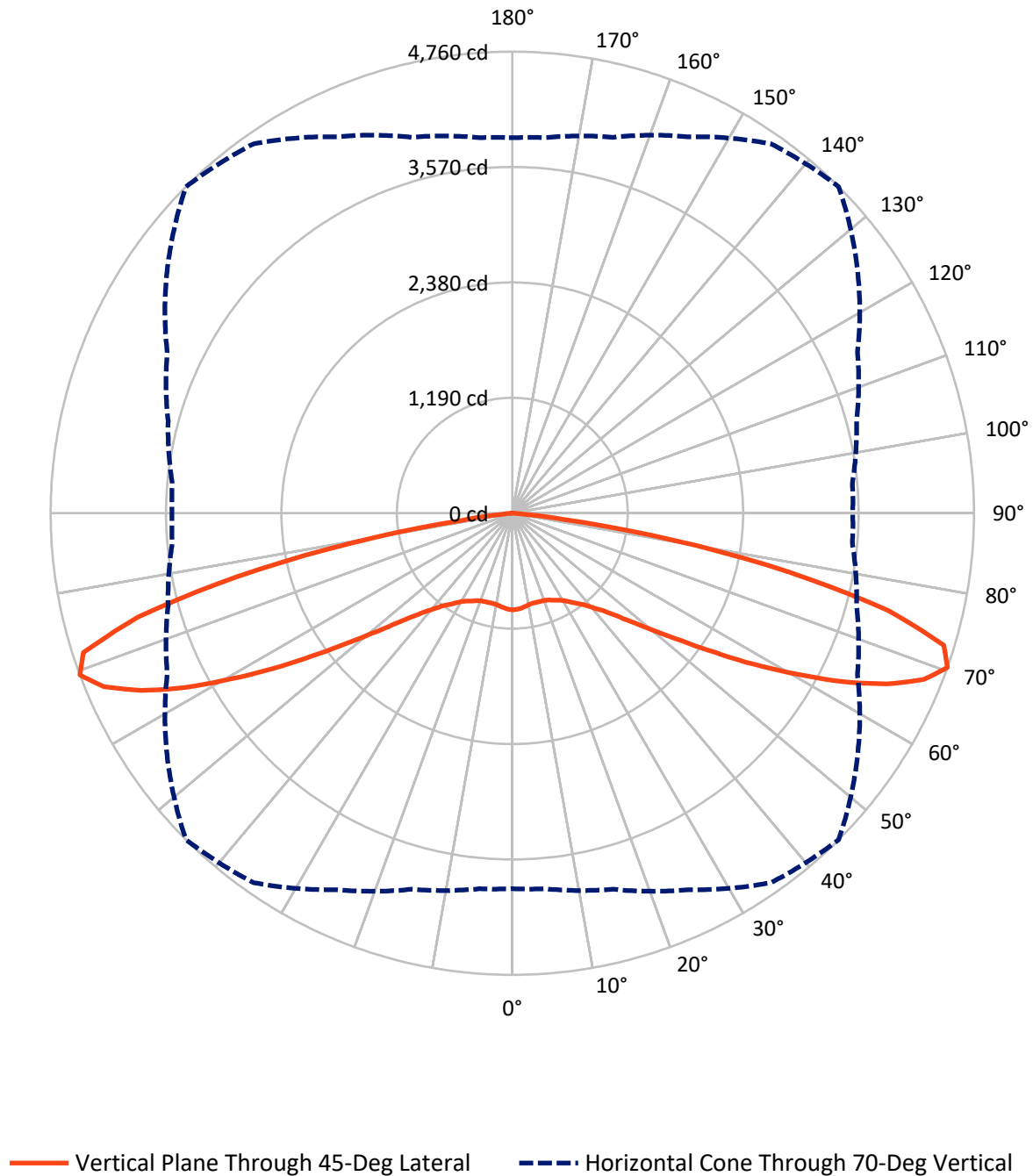


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5879.0	0.0	5879.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5879.0	0.0	5879.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11758.0	0.0	11758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	0.8
10°-20°	272.5	2.3
20°-30°	464.3	3.9
30°-40°	719.7	6.1
40°-50°	1211.4	10.3
50°-60°	2204.1	18.7
60°-70°	3731.5	31.7
70°-80°	2888.3	24.6
80°-90°	173.1	1.5
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°	11758.0	100.0
0°-180°	11758.0	100.0

Coefficient of Utilization



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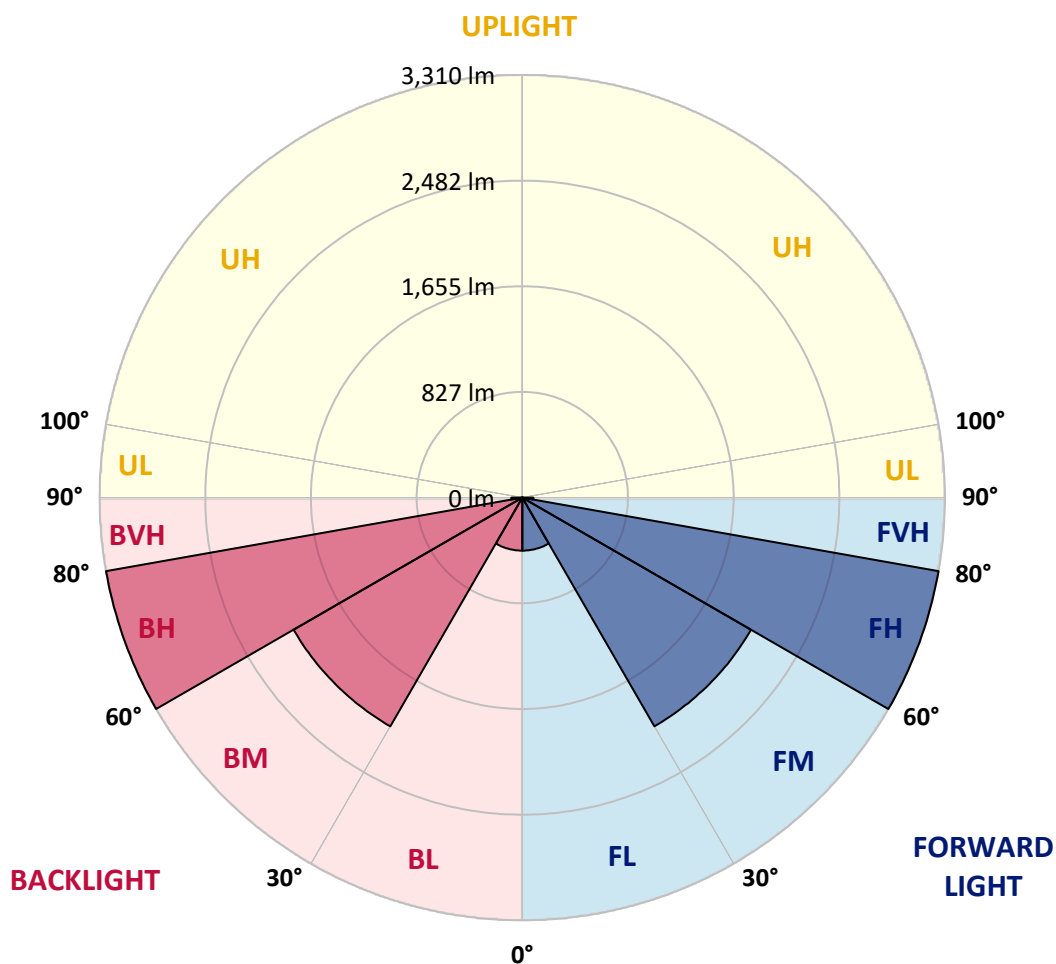
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	415.0	3.5			
FM	(30°-60°)	2067.6	17.6			
FH	(60°-80°)	3309.9	28.1			G2/5000
FVH	(80°-90°)	86.5	0.7			G1/100
BL	(0°-30°)	415.0	3.5	B1/500		
BM	(30°-60°)	2067.6	17.6	B2/2500		
BH	(60°-80°)	3309.9	28.1	B4/5000		G2/5000
BVH	(80°-90°)	86.5	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	995.5	995.5	995.5	995.5	995.5	995.5	995.5	995.5	995.5	995.5	995.5
2.5°	993.0	993.6	993.6	992.4	991.7	991.7	991.1	991.1	993.0	993.6	994.2
5°	984.3	984.3	984.3	983.7	982.4	982.4	981.2	981.2	981.8	983.7	982.4
7.5°	972.5	973.7	973.7	971.2	969.4	969.4	968.8	969.4	970.0	971.9	971.2
10°	968.8	969.4	966.3	961.9	958.8	957.0	957.6	958.8	961.9	963.2	963.8
12.5°	971.2	971.2	965.7	959.4	953.9	951.4	950.7	955.1	960.7	964.4	965.7
15°	974.3	973.1	966.3	958.2	952.6	952.0	951.4	954.5	962.5	970.0	970.6
17.5°	976.2	975.6	966.9	957.0	953.9	953.9	953.2	955.7	964.4	973.7	974.3
20°	982.4	980.6	970.6	960.1	957.6	958.8	957.0	960.1	969.4	980.6	983.0
22.5°	994.8	993.0	983.0	972.5	971.2	971.2	970.6	973.7	983.7	995.5	997.3
25°	1009.7	1007.9	998.6	991.1	992.4	994.8	993.6	994.2	1002.3	1012.2	1015.3
27.5°	1029.6	1026.5	1018.4	1012.2	1016.0	1016.0	1016.0	1015.3	1020.3	1029.6	1032.7
30°	1053.8	1052.6	1043.9	1043.3	1046.4	1043.3	1043.3	1043.9	1044.5	1053.2	1056.3
32.5°	1085.5	1083.0	1078.7	1077.4	1086.1	1088.6	1079.9	1071.8	1076.2	1084.9	1086.7
35°	1137.7	1133.9	1127.7	1120.9	1127.7	1139.5	1120.9	1114.7	1125.9	1137.7	1138.9
37.5°	1208.5	1206.6	1196.7	1184.2	1183.6	1196.0	1176.8	1176.2	1197.3	1211.6	1213.4
40°	1297.3	1299.1	1286.7	1274.9	1268.7	1278.6	1263.7	1269.3	1289.8	1306.0	1304.7
42.5°	1422.1	1415.3	1396.0	1384.8	1378.0	1374.3	1370.5	1379.2	1402.2	1419.6	1433.3
45°	1568.0	1565.5	1541.3	1527.7	1512.7	1507.2	1505.9	1521.4	1549.4	1570.5	1572.4
47.5°	1733.2	1727.6	1712.1	1697.8	1692.2	1685.4	1679.2	1691.0	1718.9	1733.8	1738.2
50°	1903.4	1904.6	1904.6	1902.1	1907.7	1908.9	1892.2	1896.5	1912.1	1910.8	1909.6
52.5°	2097.7	2104.6	2136.9	2140.0	2166.7	2184.7	2154.2	2136.2	2130.6	2097.1	2099.6
55°	2326.3	2332.5	2380.9	2429.3	2501.4	2531.8	2467.8	2412.0	2372.2	2321.3	2323.8
57.5°	2611.3	2614.4	2660.4	2753.5	2867.8	2939.2	2826.8	2716.2	2635.5	2587.1	2567.8
60°	2918.1	2921.2	2988.2	3101.9	3279.5	3366.4	3227.3	3046.6	2944.8	2870.9	2875.8
62.5°	3286.3	3298.7	3359.0	3515.5	3731.0	3828.4	3644.0	3402.4	3264.6	3172.7	3176.4
65°	3680.7	3701.8	3767.6	3939.6	4138.3	4243.3	4017.2	3738.4	3567.0	3454.6	3466.4
67.5°	3936.5	3955.1	4050.1	4240.2	4487.9	4574.9	4283.0	3958.2	3744.0	3609.9	3585.0
70°	3871.3	3886.8	4013.5	4283.0	4650.0	4759.9	4346.4	3925.9	3673.8	3519.2	3509.3
72.5°	3417.3	3385.1	3570.1	3957.0	4465.0	4649.4	4147.0	3585.6	3268.3	3109.3	3090.7
75°	2264.8	2334.9	2608.2	3064.0	3777.5	4006.1	3539.7	2878.9	2479.6	2347.4	2326.9
77.5°	757.0	811.0	1053.8	1736.9	2575.3	2918.7	2579.0	1882.9	1332.0	1073.1	1078.1
80°	200.6	198.1	256.5	477.5	1112.8	1690.4	1295.4	637.8	349.0	252.7	239.7
82.5°	72.0	80.7	103.7	132.3	295.0	525.4	370.7	178.8	131.0	96.9	93.8
85°	31.7	31.0	44.7	52.8	73.9	98.1	86.9	75.8	66.4	44.1	41.0
87.5°	6.8	6.8	10.6	8.1	13.0	13.0	16.1	19.3	19.9	13.0	10.6
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)