

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: P450915

Luminaire Tested: **GALN-SA1D-730-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7477 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

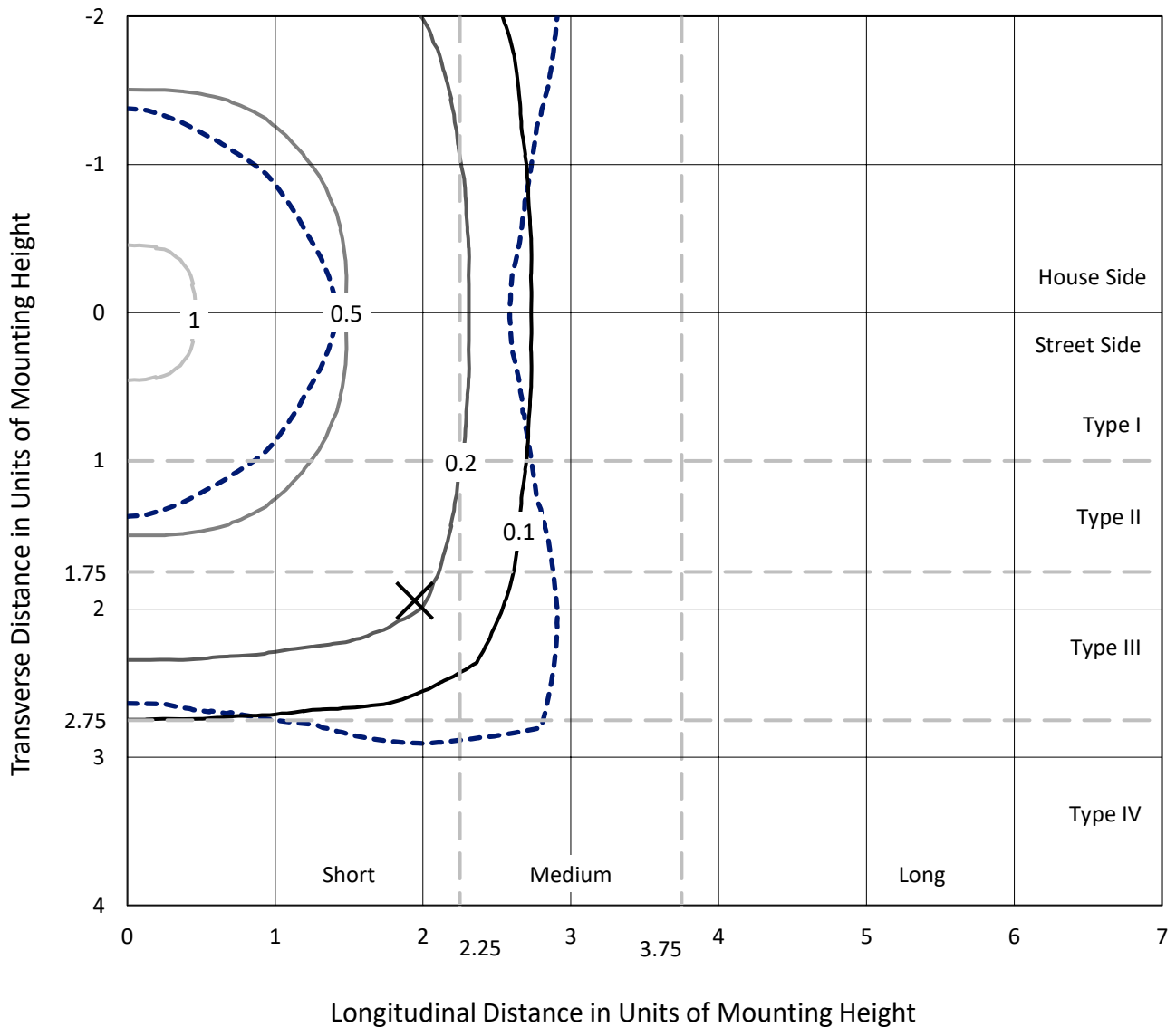
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

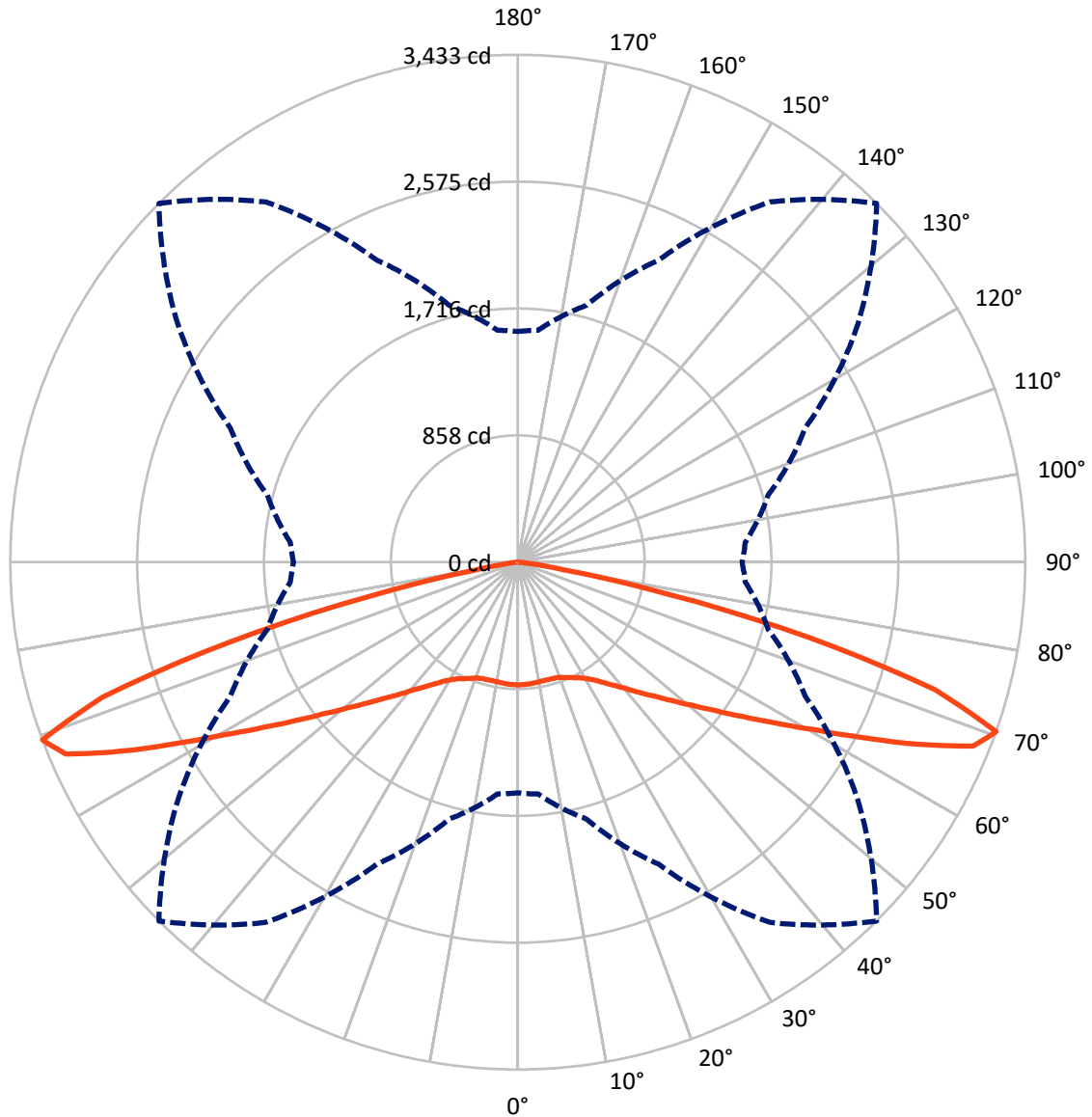
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3738.5	0.0	3738.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3738.5	0.0	3738.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7477.0	0.0	7477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	1.1
10°-20°	231.0	3.1
20°-30°	395.2	5.3
30°-40°	627.2	8.4
40°-50°	1011.8	13.5
50°-60°	1646.3	22.0
60°-70°	2386.5	31.9
70°-80°	1058.6	14.2
80°-90°	41.7	0.6
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°	7477.0	100.0
0°-180°	7477.0	100.0

Coefficient of Utilization



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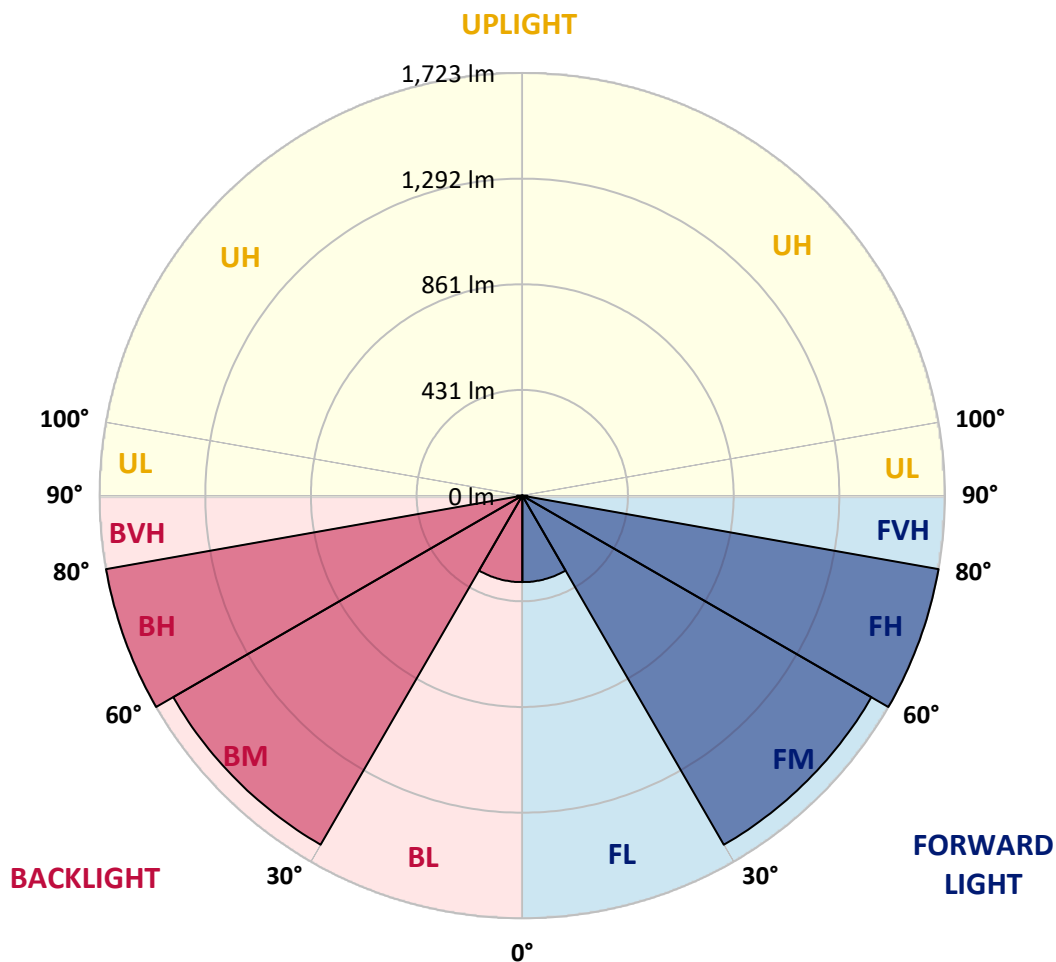
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.5	4.7			
FM (30°-60°)	1642.6	22.0			
FH (60°-80°)	1722.5	23.0			G1/1800
FVH (80°-90°)	20.9	0.3			G1/100
BL (0°-30°)	352.5	4.7	B1/500		
BM (30°-60°)	1642.6	22.0	B2/2500		
BH (60°-80°)	1722.5	23.0	B3/2500		G1/1800
BVH (80°-90°)	20.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3	830.3
2.5°	830.3	831.1	829.9	829.1	828.7	828.7	828.3	828.7	831.1	831.5	830.3
5°	827.9	828.7	828.3	827.5	827.1	827.1	826.7	826.3	828.3	829.1	828.7
7.5°	824.8	825.2	824.8	824.4	824.8	824.4	823.2	822.4	824.0	824.0	823.6
10°	819.3	820.0	819.6	820.0	820.8	820.8	819.3	817.7	818.1	817.3	817.3
12.5°	812.6	813.7	814.1	815.7	817.7	820.0	816.5	812.9	812.2	811.8	811.4
15°	808.2	809.4	811.0	812.6	816.1	821.2	816.1	810.6	809.0	807.4	806.6
17.5°	807.0	808.6	811.0	813.3	818.1	823.2	818.9	813.3	809.4	807.0	806.2
20°	810.2	811.4	814.9	819.3	826.0	831.1	826.7	820.8	814.9	811.4	810.2
22.5°	816.5	818.5	822.8	830.7	840.1	847.6	841.7	831.9	822.4	817.7	816.1
25°	830.3	831.9	837.0	847.6	858.7	865.8	859.4	848.0	835.0	828.7	826.7
27.5°	851.2	853.5	859.1	871.7	880.7	884.7	880.3	872.5	863.0	856.3	854.7
30°	880.7	883.5	891.8	905.2	911.1	913.4	911.5	906.3	899.6	892.5	891.0
32.5°	920.5	922.1	931.6	944.2	949.7	950.5	948.1	945.7	934.7	922.9	922.1
35°	965.1	967.8	979.2	994.2	999.3	999.7	995.0	991.5	978.5	969.0	969.0
37.5°	1024.2	1025.3	1036.4	1053.3	1058.8	1057.3	1054.9	1051.7	1038.0	1025.7	1026.1
40°	1093.5	1095.9	1105.3	1125.0	1125.0	1123.1	1124.6	1122.3	1108.5	1096.7	1097.1
42.5°	1175.9	1177.1	1188.5	1209.4	1207.8	1203.9	1205.4	1202.3	1193.6	1180.2	1175.5
45°	1263.8	1268.5	1288.2	1308.3	1305.1	1292.5	1298.8	1298.0	1290.2	1270.1	1271.2
47.5°	1369.8	1377.6	1396.6	1420.6	1417.0	1397.3	1404.4	1409.2	1398.1	1376.1	1372.1
50°	1489.2	1494.3	1522.3	1544.7	1541.6	1520.7	1536.8	1537.6	1510.0	1478.9	1478.9
52.5°	1616.4	1621.6	1659.4	1694.5	1696.4	1666.1	1679.1	1678.3	1633.4	1592.4	1584.5
55°	1759.1	1761.5	1810.3	1861.9	1873.0	1843.4	1845.0	1829.2	1770.9	1723.2	1718.9
57.5°	1906.5	1915.1	1969.1	2036.1	2068.8	2050.7	2042.4	2000.3	1943.9	1889.1	1886.4
60°	2069.6	2070.0	2140.1	2219.3	2285.6	2297.8	2263.9	2207.5	2134.6	2062.1	2059.0
62.5°	2182.7	2199.6	2288.3	2422.3	2540.9	2609.5	2520.0	2401.8	2258.4	2141.3	2129.5
65°	2206.0	2217.4	2352.5	2579.5	2821.9	2969.6	2762.8	2511.3	2266.6	2110.6	2102.7
67.5°	2018.0	2030.2	2212.3	2560.6	3018.9	3321.9	2920.4	2458.5	2126.4	1933.3	1917.9
70°	1560.9	1574.7	1799.7	2254.0	2975.2	3432.7	2808.1	2144.5	1753.6	1545.1	1517.1
72.5°	829.9	880.7	1073.0	1547.1	2414.8	2955.5	2302.5	1564.8	1131.0	924.5	887.4
75°	303.0	309.3	416.5	686.1	1404.8	2026.7	1458.8	746.4	429.1	331.4	314.5
77.5°	125.3	124.9	137.1	207.3	510.3	1038.0	569.4	219.1	136.7	126.5	124.9
80°	74.1	74.1	81.6	86.3	134.4	313.3	150.1	97.7	82.0	74.9	76.1
82.5°	33.1	35.1	51.6	54.4	65.0	85.9	72.5	62.3	53.6	37.0	33.5
85°	18.1	15.8	27.2	28.4	31.1	31.9	34.3	33.9	31.1	18.1	18.5
87.5°	3.5	4.3	7.9	5.9	6.7	5.9	7.9	11.0	11.4	6.3	5.1
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)