

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: P450917

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450917
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-SA1D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7461 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

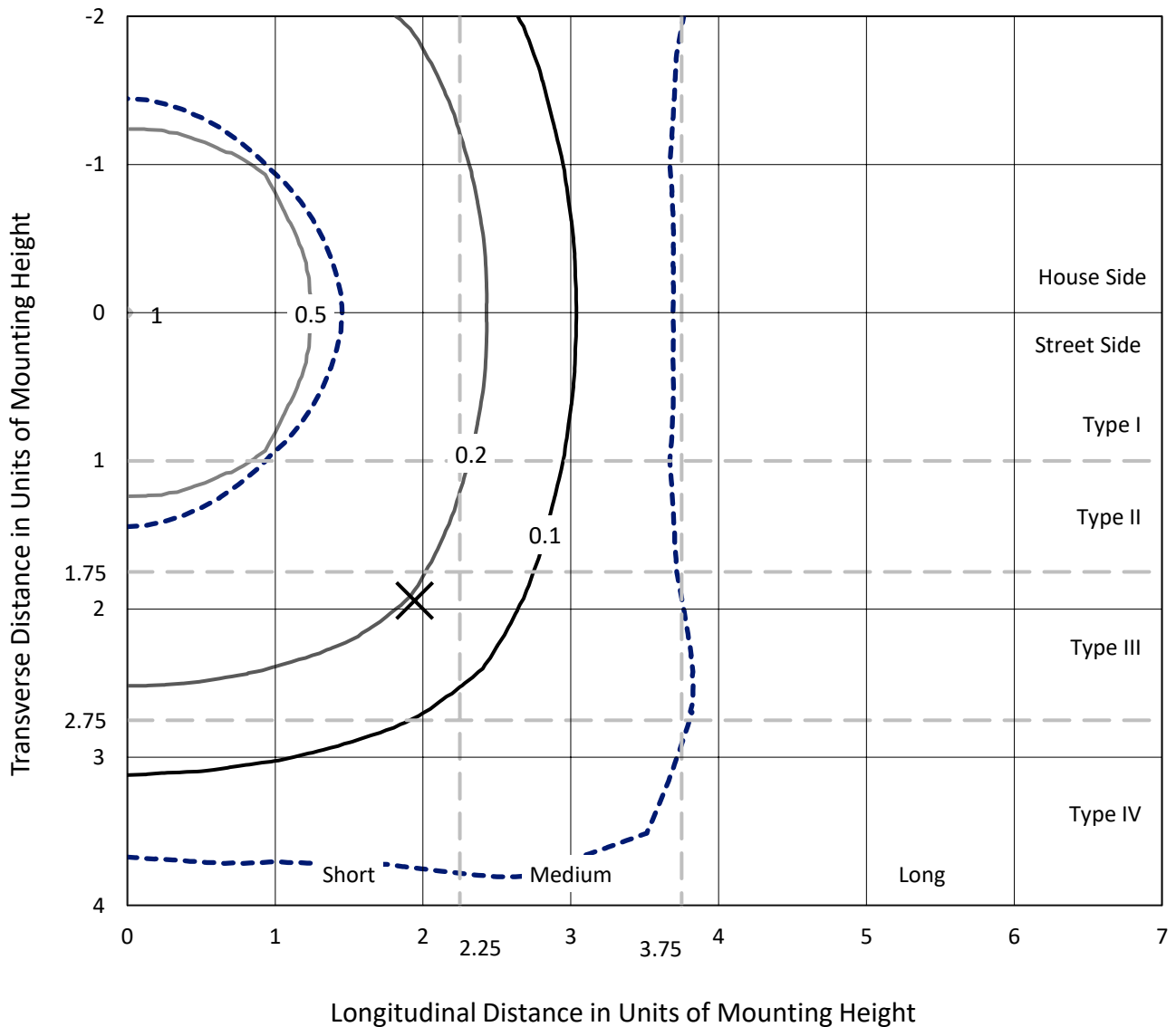
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

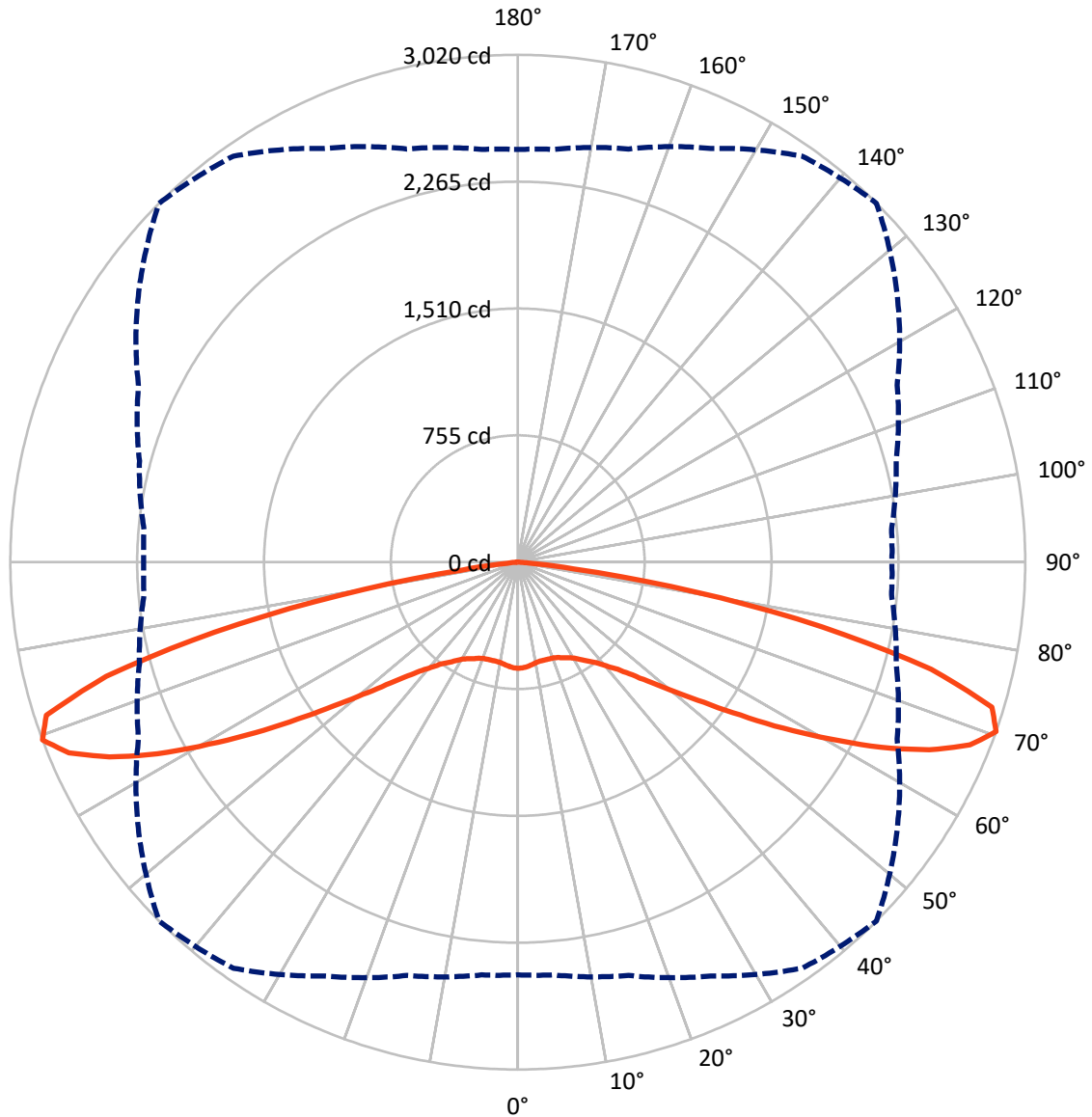
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3730.5	0.0	3730.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3730.5	0.0	3730.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7461.0	0.0	7461.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	0.8
10°-20°	172.9	2.3
20°-30°	294.6	3.9
30°-40°	456.7	6.1
40°-50°	768.7	10.3
50°-60°	1398.6	18.7
60°-70°	2367.8	31.7
70°-80°	1832.8	24.6
80°-90°	109.8	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°	7461.0	100.0
0°-180°	7461.0	100.0



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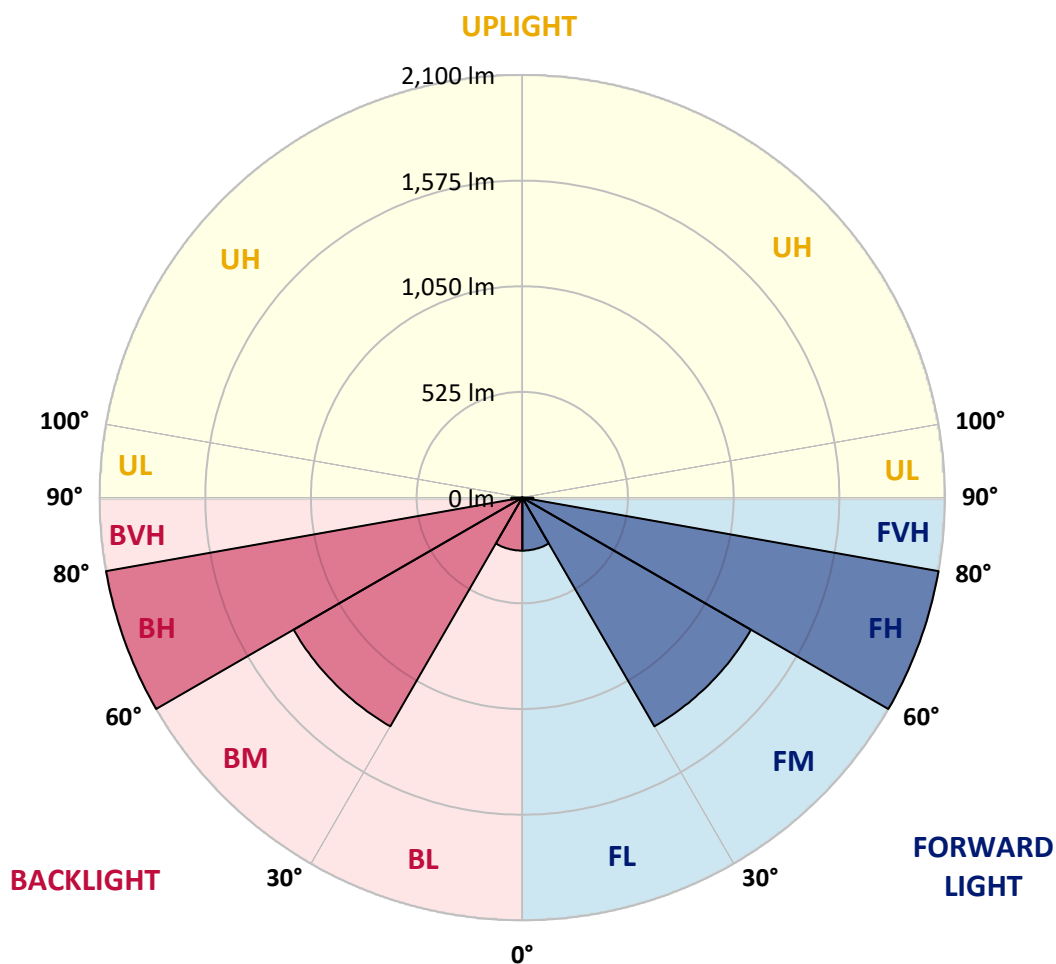
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.3	3.5			
FM (30°-60°)	1312.0	17.6			
FH (60°-80°)	2100.3	28.1			G2/5000
FVH (80°-90°)	54.9	0.7			G1/100
BL (0°-30°)	263.3	3.5	B1/500		
BM (30°-60°)	1312.0	17.6	B2/2500		
BH (60°-80°)	2100.3	28.1	B3/2500		G2/5000
BVH (80°-90°)	54.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	630.1	630.5	630.5	629.7	629.3	629.3	628.9	628.9	630.1	630.5	630.9
5°	624.6	624.6	624.6	624.2	623.4	623.4	622.6	622.6	623.0	624.2	623.4
7.5°	617.1	617.9	617.9	616.3	615.1	615.1	614.7	615.1	615.5	616.7	616.3
10°	614.7	615.1	613.1	610.4	608.4	607.2	607.6	608.4	610.4	611.2	611.6
12.5°	616.3	616.3	612.8	608.8	605.3	603.7	603.3	606.1	609.6	612.0	612.8
15°	618.3	617.5	613.1	608.0	604.5	604.1	603.7	605.7	610.8	615.5	615.9
17.5°	619.4	619.1	613.5	607.2	605.3	605.3	604.9	606.4	612.0	617.9	618.3
20°	623.4	622.2	615.9	609.2	607.6	608.4	607.2	609.2	615.1	622.2	623.8
22.5°	631.3	630.1	623.8	617.1	616.3	616.3	615.9	617.9	624.2	631.7	632.8
25°	640.7	639.5	633.6	628.9	629.7	631.3	630.5	630.9	636.0	642.3	644.3
27.5°	653.3	651.4	646.2	642.3	644.7	644.7	644.7	644.3	647.4	653.3	655.3
30°	668.7	667.9	662.4	662.0	664.0	662.0	662.0	662.4	662.8	668.3	670.3
32.5°	688.8	687.2	684.5	683.7	689.2	690.8	685.3	680.1	682.9	688.4	689.6
35°	721.9	719.5	715.6	711.3	715.6	723.1	711.3	707.3	714.4	721.9	722.7
37.5°	766.8	765.6	759.3	751.5	751.1	758.9	746.7	746.3	759.7	768.8	770.0
40°	823.2	824.4	816.5	809.0	805.0	811.4	801.9	805.4	818.4	828.7	827.9
42.5°	902.4	898.0	885.8	878.7	874.4	872.0	869.7	875.2	889.8	900.8	909.5
45°	995.0	993.4	978.0	969.4	959.9	956.4	955.6	965.4	983.2	996.6	997.7
47.5°	1099.8	1096.3	1086.4	1077.3	1073.8	1069.5	1065.5	1073.0	1090.7	1100.2	1103.0
50°	1207.8	1208.6	1208.6	1207.0	1210.5	1211.3	1200.7	1203.4	1213.3	1212.5	1211.7
52.5°	1331.1	1335.4	1355.9	1357.9	1374.8	1386.3	1367.0	1355.5	1352.0	1330.7	1332.3
55°	1476.1	1480.1	1510.8	1541.5	1587.2	1606.5	1566.0	1530.5	1505.3	1473.0	1474.5
57.5°	1657.0	1659.0	1688.1	1747.2	1819.7	1865.0	1793.7	1723.6	1672.4	1641.6	1629.4
60°	1851.6	1853.6	1896.2	1968.3	2081.0	2136.2	2047.9	1933.2	1868.6	1821.7	1824.9
62.5°	2085.3	2093.2	2131.4	2230.7	2367.5	2429.3	2312.3	2159.0	2071.5	2013.2	2015.6
65°	2335.5	2348.9	2390.7	2499.9	2626.0	2692.6	2549.1	2372.2	2263.4	2192.1	2199.6
67.5°	2497.9	2509.7	2570.0	2690.6	2847.8	2903.0	2717.8	2511.7	2375.7	2290.6	2274.9
70°	2456.5	2466.4	2546.8	2717.8	2950.7	3020.4	2758.0	2491.2	2331.2	2233.1	2226.8
72.5°	2168.5	2148.0	2265.4	2510.9	2833.2	2950.3	2631.5	2275.3	2073.9	1973.0	1961.2
75°	1437.1	1481.6	1655.0	1944.3	2397.0	2542.0	2246.1	1826.8	1573.4	1489.5	1476.5
77.5°	480.3	514.6	668.7	1102.2	1634.1	1852.0	1636.5	1194.8	845.2	680.9	684.1
80°	127.3	125.7	162.7	303.0	706.1	1072.6	822.0	404.7	221.5	160.4	152.1
82.5°	45.7	51.2	65.8	83.9	187.2	333.4	235.2	113.5	83.1	61.5	59.5
85°	20.1	19.7	28.4	33.5	46.9	62.3	55.2	48.1	42.2	28.0	26.0
87.5°	4.3	4.3	6.7	5.1	8.3	8.3	10.2	12.2	12.6	8.3	6.7
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)