

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: P526821

Luminaire Tested: **GALN-SA1D-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526821  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1D-740-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4083 lumens  
Efficiency: N/A  
Efficacy: 62.8 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

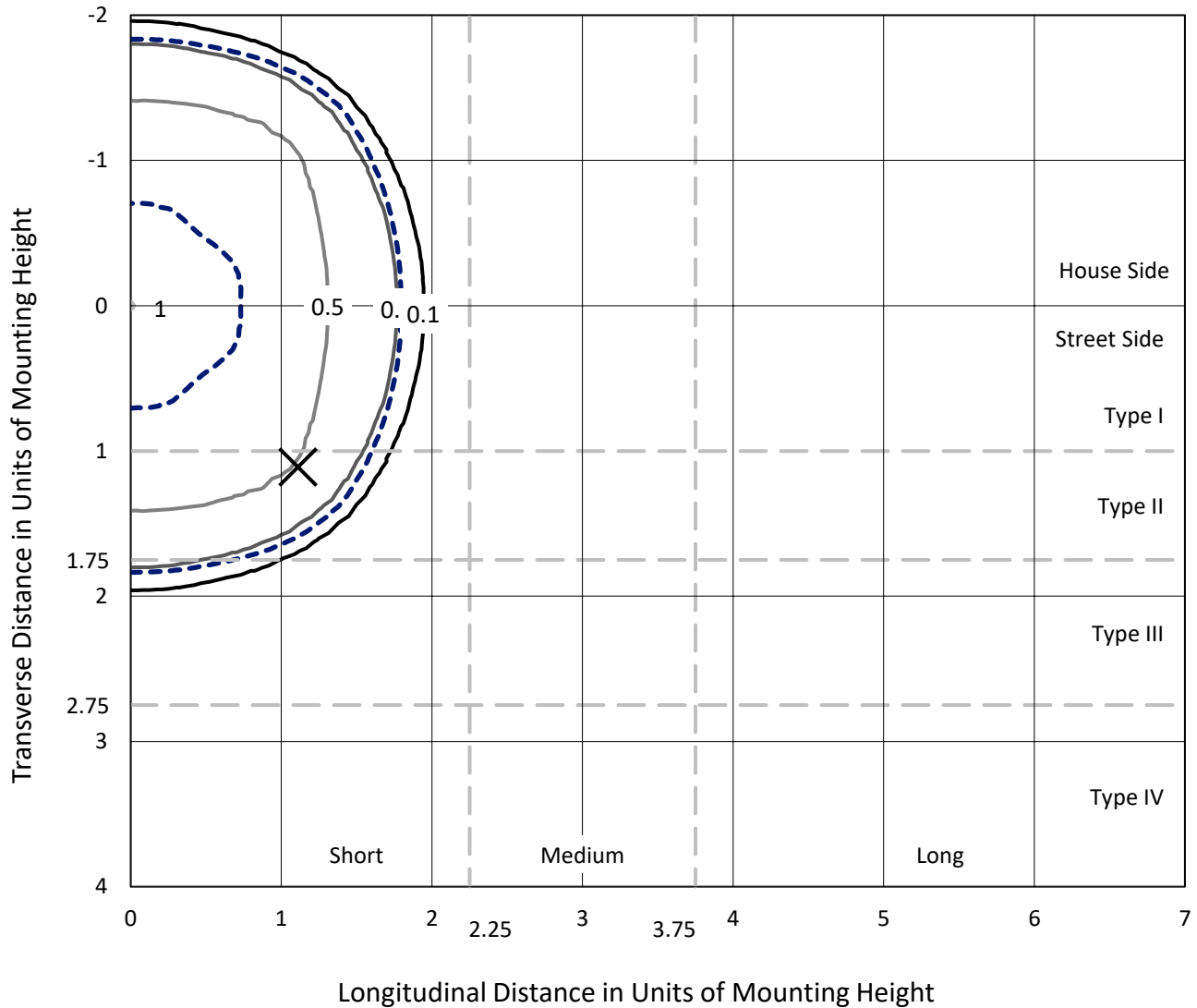
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

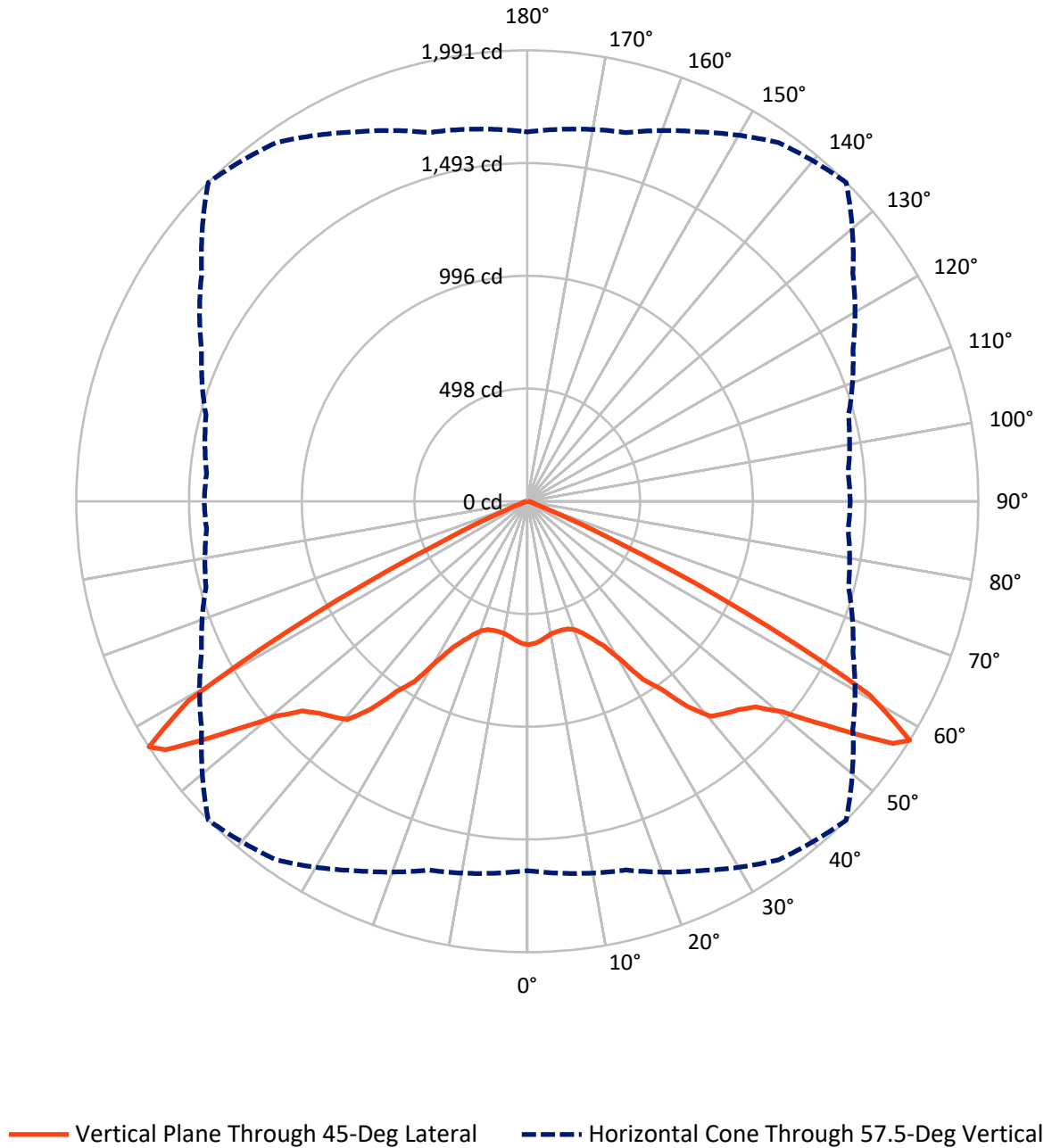
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2041.5	0.0	2041.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2041.5	0.0	2041.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4083.0	0.0	4083.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	1.4
10°-20°	168.2	4.1
20°-30°	310.5	7.6
30°-40°	610.7	15.0
40°-50°	994.6	24.4
50°-60°	1418.4	34.7
60°-70°	491.1	12.0
70°-80°	26.3	0.6
80°-90°	5.0	0.1
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°	4083.0	100.0
0°-180°	4083.0	100.0

**Coefficient of Utilization**

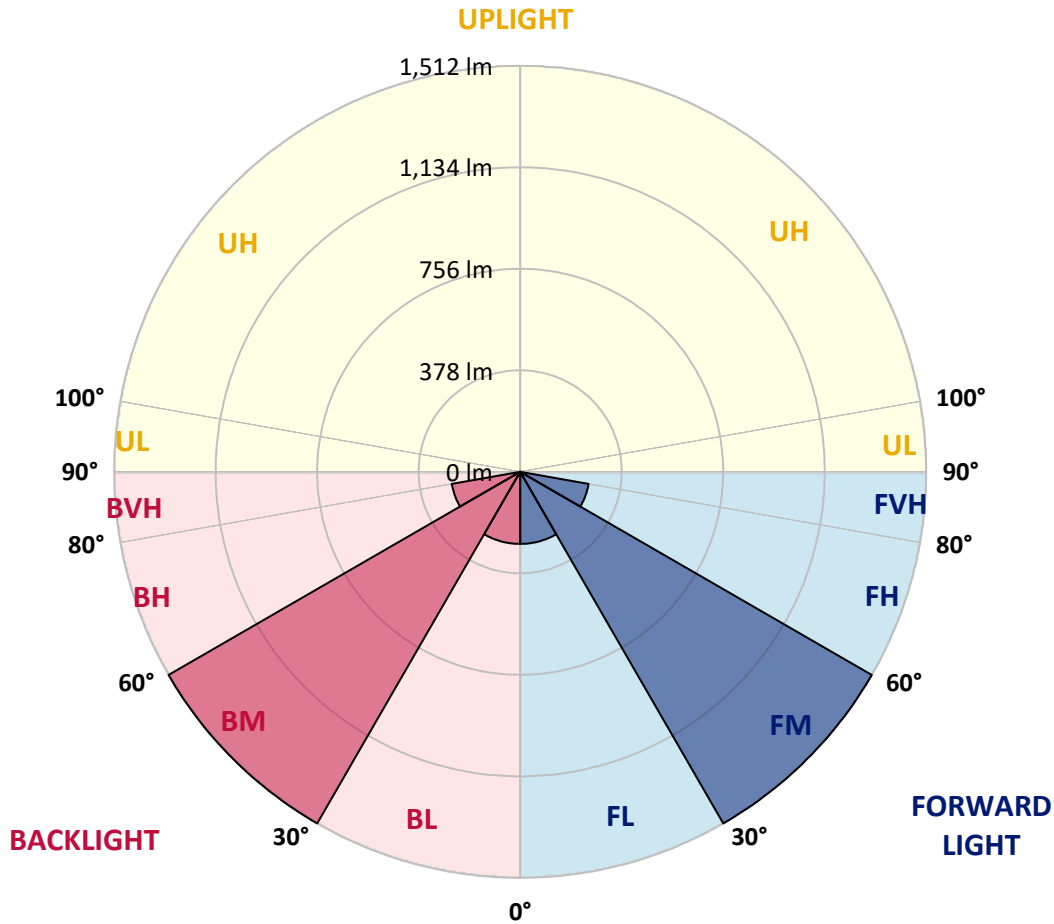


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.5	6.6			
FM (30°-60°)	1511.8	37.0			
FH (60°-80°)	258.7	6.3			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	268.5	6.6	B1/500		
BM (30°-60°)	1511.8	37.0	B2/2500		
BH (60°-80°)	258.7	6.3	B1/500		G0/660
BVH (80°-90°)	2.5	0.1			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°	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3
2.5°	631.6	635.0	630.8	629.1	628.2	628.2	625.7	625.7	624.8	625.7	622.3
5°	621.4	624.8	624.8	624.0	618.8	618.0	615.4	613.7	614.6	611.2	613.7
7.5°	611.2	613.7	610.3	609.5	607.8	604.4	603.5	595.9	596.7	596.7	598.4
10°	609.5	608.6	603.5	599.3	594.2	593.3	590.8	589.1	589.1	588.2	590.8
12.5°	609.5	605.2	604.4	595.0	586.5	589.9	583.1	578.8	584.8	586.5	589.9
15°	608.6	612.9	598.4	594.2	588.2	589.1	583.1	578.8	582.2	583.9	586.5
17.5°	613.7	611.2	606.9	598.4	595.9	592.5	584.8	581.4	581.4	585.6	586.5
20°	627.4	620.5	612.0	607.8	610.3	606.1	596.7	583.9	587.3	590.8	593.3
22.5°	640.1	635.0	629.1	626.5	641.0	634.2	618.0	603.5	598.4	604.4	608.6
25°	664.8	664.8	653.7	657.2	673.3	674.2	655.4	629.9	626.5	629.1	630.8
27.5°	715.0	717.6	708.2	711.6	718.4	724.4	708.2	686.9	679.3	678.4	681.0
30°	769.5	774.6	773.8	788.2	807.8	811.2	787.4	752.5	729.5	725.2	728.7
32.5°	841.0	843.6	841.9	858.9	911.7	936.4	874.2	824.8	794.2	801.9	794.2
35°	975.5	973.0	954.2	957.6	1001.0	1018.9	959.3	927.8	913.4	928.7	925.3
37.5°	1091.3	1081.9	1066.6	1088.7	1133.8	1150.0	1087.9	1032.5	1006.2	1031.7	1042.8
40°	1189.2	1165.3	1144.1	1166.2	1226.6	1248.8	1157.7	1112.6	1102.3	1121.1	1144.9
42.5°	1271.7	1256.4	1228.3	1230.0	1270.0	1280.3	1207.0	1180.7	1170.4	1200.2	1212.2
45°	1330.5	1316.0	1289.6	1287.9	1318.6	1311.7	1246.2	1228.3	1234.3	1253.9	1259.8
47.5°	1360.3	1367.9	1352.6	1356.9	1373.0	1356.9	1304.9	1304.9	1291.3	1303.2	1297.3
50°	1446.2	1422.4	1442.0	1442.0	1459.0	1460.7	1408.8	1390.1	1353.5	1333.0	1333.0
52.5°	1546.7	1548.4	1556.1	1584.1	1613.1	1637.8	1563.7	1483.7	1422.4	1396.0	1392.6
55°	1629.3	1646.3	1676.9	1729.7	1813.1	1847.2	1719.5	1576.5	1501.6	1460.7	1452.2
56°	1674.4	1658.2	1711.0	1783.3	1892.3	1936.6	1745.0	1595.2	1512.6	1466.7	1465.8
57.5°	1631.0	1648.8	1685.4	1799.5	1933.1	1991.0	1754.4	1586.7	1468.4	1421.6	1425.8
60°	1287.9	1304.9	1354.3	1482.0	1691.4	1736.5	1484.5	1308.3	1202.8	1135.5	1136.4
62.5°	728.7	741.4	779.7	898.0	1028.3	1071.7	925.3	807.8	734.6	697.2	685.2
65°	268.1	263.0	269.0	329.4	409.4	446.0	384.8	325.2	286.9	273.2	268.1
67.5°	100.4	92.8	86.8	92.8	116.6	123.4	113.2	94.5	88.5	91.1	92.8
70°	62.1	58.7	46.8	44.3	43.4	42.6	45.1	47.7	54.5	63.8	65.5
72.5°	43.4	40.9	33.2	31.5	29.8	28.9	33.2	36.6	42.6	49.4	50.2
75°	17.0	17.9	17.0	18.7	19.6	20.4	23.8	26.4	28.9	28.9	28.1
77.5°	3.4	3.4	5.1	6.8	8.5	11.1	16.2	18.7	19.6	18.7	16.2
80°	0.0	0.0	1.7	3.4	6.8	9.4	14.5	16.2	17.9	16.2	12.8
82.5°	0.0	0.0	1.7	4.3	6.8	8.5	13.6	17.0	19.6	17.9	13.6
85°	0.0	0.0	1.7	3.4	5.1	6.0	6.0	4.3	4.3	2.6	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)