

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: P526795

Luminaire Tested: **GALN-SA1D-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526795  
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-735-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 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: 3804 lumens  
Efficiency: N/A  
Efficacy: 58.5 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

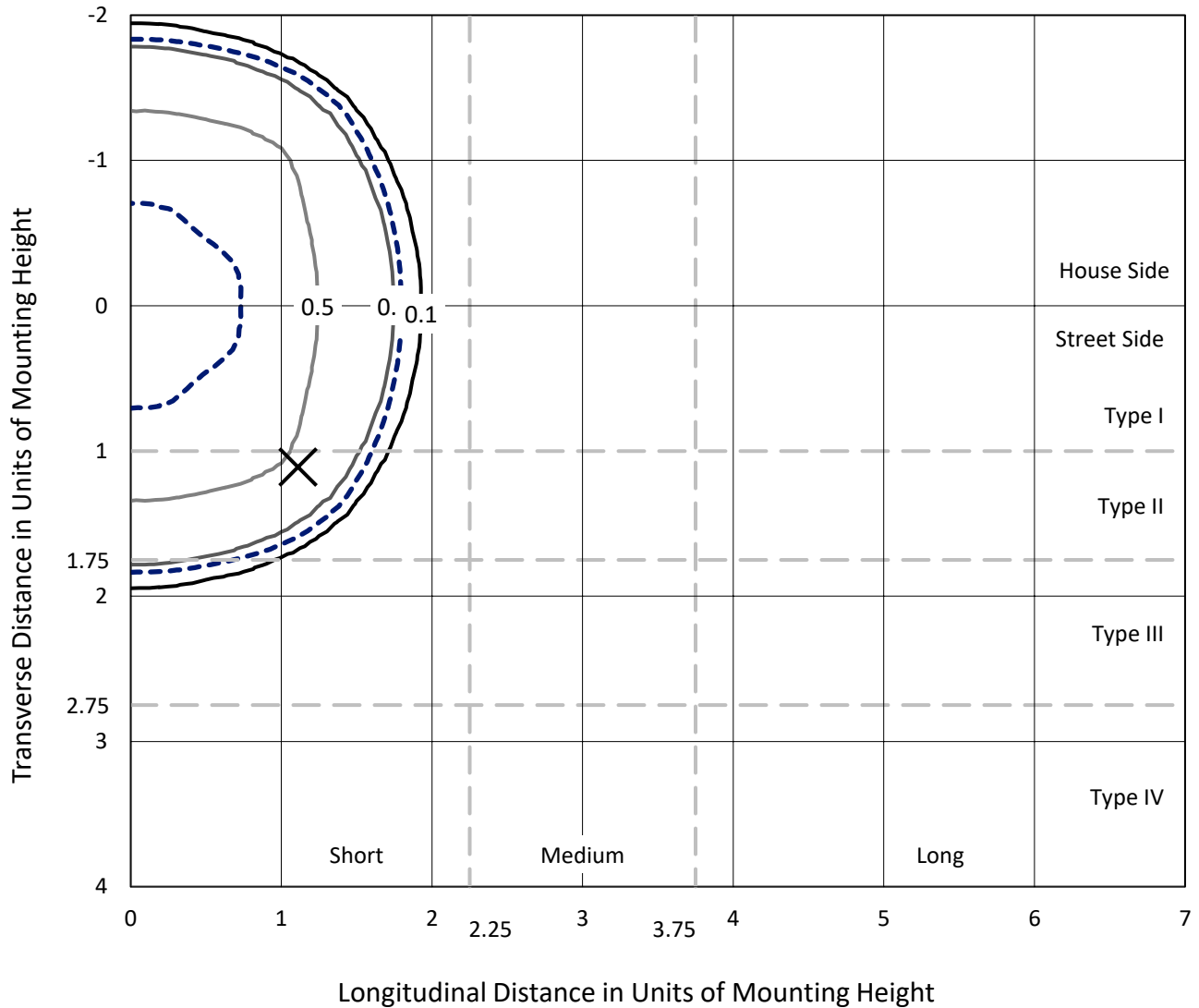
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

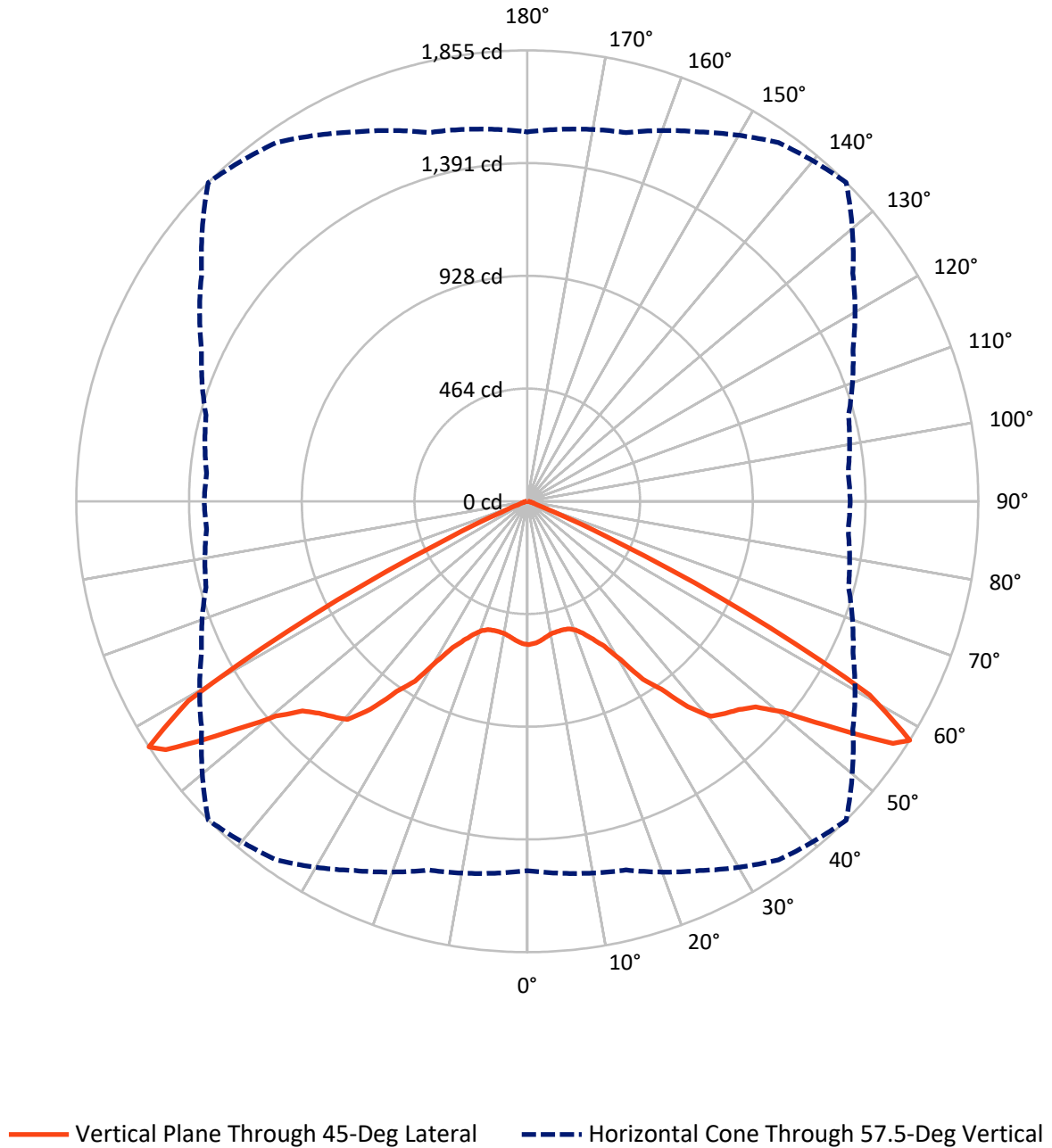
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	1902.0	0.0	1902.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1902.0	0.0	1902.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3804.0	0.0	3804.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.2	1.4
10°-20°	156.7	4.1
20°-30°	289.3	7.6
30°-40°	568.9	15.0
40°-50°	926.6	24.4
50°-60°	1321.5	34.7
60°-70°	457.5	12.0
70°-80°	24.5	0.6
80°-90°	4.6	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°	3804.0	100.0
0°-180°	3804.0	100.0

**Coefficient of Utilization**

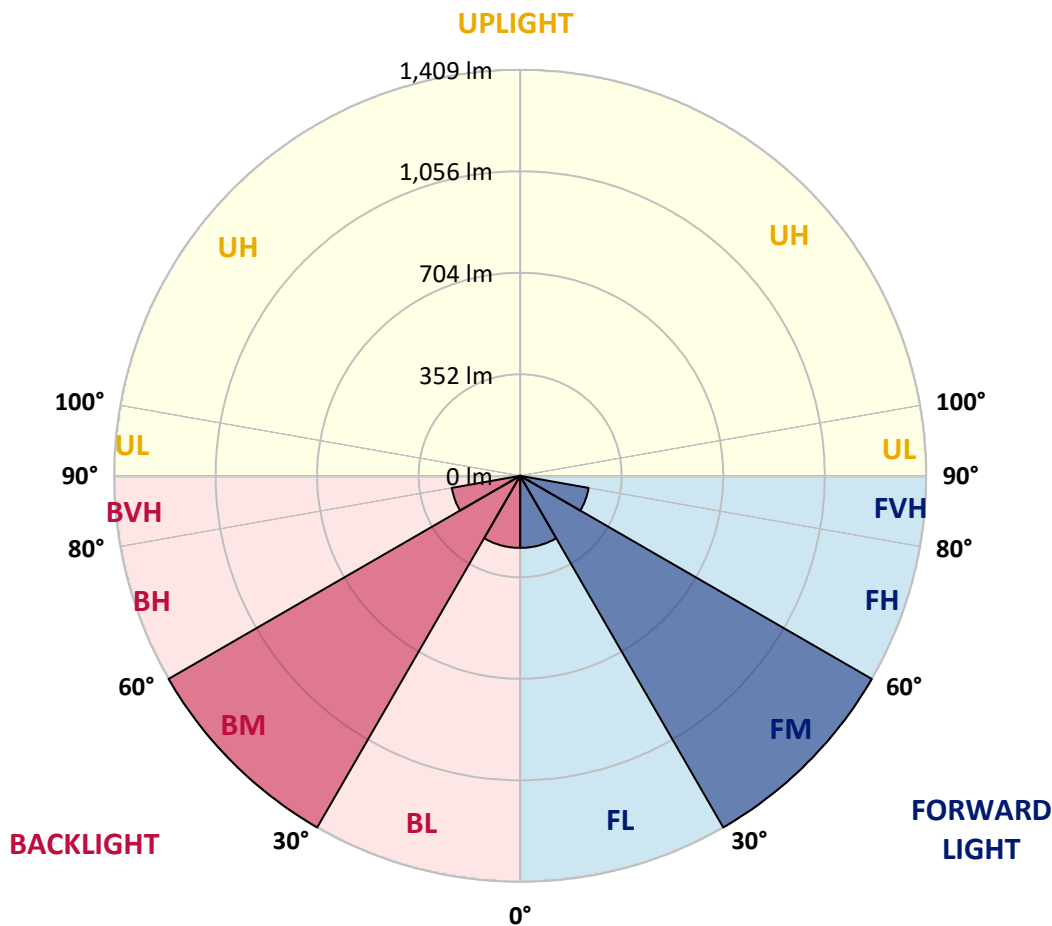


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.1	6.6			
FM (30°-60°)	1408.5	37.0			
FH (60°-80°)	241.0	6.3			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	250.1	6.6	B1/500		
BM (30°-60°)	1408.5	37.0	B2/2500		
BH (60°-80°)	241.0	6.3	B1/500		G0/660
BVH (80°-90°)	2.3	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°	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
2.5°	588.5	591.6	587.7	586.1	585.3	585.3	582.9	582.9	582.1	582.9	579.7
5°	578.9	582.1	582.1	581.3	576.6	575.8	573.4	571.8	572.6	569.4	571.8
7.5°	569.4	571.8	568.6	567.8	566.2	563.1	562.3	555.1	555.9	555.9	557.5
10°	567.8	567.0	562.3	558.3	553.6	552.8	550.4	548.8	548.8	548.0	550.4
12.5°	567.8	563.9	563.1	554.4	546.4	549.6	543.2	539.3	544.8	546.4	549.6
15°	567.0	571.0	557.5	553.6	548.0	548.8	543.2	539.3	542.5	544.0	546.4
17.5°	571.8	569.4	565.5	557.5	555.1	552.0	544.8	541.7	541.7	545.6	546.4
20°	584.5	578.1	570.2	566.2	568.6	564.7	555.9	544.0	547.2	550.4	552.8
22.5°	596.4	591.6	586.1	583.7	597.2	590.8	575.8	562.3	557.5	563.1	567.0
25°	619.4	619.4	609.1	612.2	627.3	628.1	610.7	586.9	583.7	586.1	587.7
27.5°	666.2	668.6	659.8	663.0	669.3	674.9	659.8	640.0	632.9	632.1	634.5
30°	716.9	721.7	720.9	734.4	752.6	755.8	733.6	701.1	679.7	675.7	678.9
32.5°	783.5	785.9	784.3	800.2	849.4	872.4	814.5	768.5	739.9	747.1	739.9
35°	908.9	906.5	889.0	892.2	932.6	949.3	893.8	864.4	851.0	865.2	862.1
37.5°	1016.7	1008.0	993.7	1014.3	1056.4	1071.4	1013.5	962.0	937.4	961.2	971.5
40°	1107.9	1085.7	1065.9	1086.5	1142.8	1163.4	1078.6	1036.5	1027.0	1044.5	1066.7
42.5°	1184.8	1170.6	1144.4	1146.0	1183.3	1192.8	1124.6	1100.0	1090.5	1118.2	1129.3
45°	1239.6	1226.1	1201.5	1199.9	1228.5	1222.1	1161.0	1144.4	1149.9	1168.2	1173.7
47.5°	1267.3	1274.5	1260.2	1264.1	1279.2	1264.1	1215.8	1215.8	1203.1	1214.2	1208.6
50°	1347.4	1325.2	1343.5	1343.5	1359.3	1360.9	1312.5	1295.1	1261.0	1241.9	1241.9
52.5°	1441.0	1442.6	1449.7	1475.9	1502.9	1525.9	1456.9	1382.3	1325.2	1300.6	1297.5
55°	1517.9	1533.8	1562.3	1611.5	1689.2	1721.0	1602.0	1468.8	1399.0	1360.9	1353.0
56°	1560.0	1544.9	1594.1	1661.5	1763.0	1804.2	1625.8	1486.2	1409.3	1366.5	1365.7
57.5°	1519.5	1536.2	1570.3	1676.5	1801.1	1855.0	1634.5	1478.3	1368.0	1324.4	1328.4
60°	1199.9	1215.8	1261.8	1380.7	1575.8	1617.9	1383.1	1218.9	1120.6	1057.9	1058.7
62.5°	678.9	690.8	726.4	836.7	958.0	998.5	862.1	752.6	684.4	649.5	638.4
65°	249.8	245.1	250.6	306.9	381.5	415.6	358.5	303.0	267.3	254.6	249.8
67.5°	93.6	86.4	80.9	86.4	108.6	115.0	105.5	88.0	82.5	84.9	86.4
70°	57.9	54.7	43.6	41.2	40.4	39.7	42.0	44.4	50.8	59.5	61.1
72.5°	40.4	38.1	30.9	29.3	27.8	27.0	30.9	34.1	39.7	46.0	46.8
75°	15.9	16.7	15.9	17.4	18.2	19.0	22.2	24.6	27.0	27.0	26.2
77.5°	3.2	3.2	4.8	6.3	7.9	10.3	15.1	17.4	18.2	17.4	15.1
80°	0.0	0.0	1.6	3.2	6.3	8.7	13.5	15.1	16.7	15.1	11.9
82.5°	0.0	0.0	1.6	4.0	6.3	7.9	12.7	15.9	18.2	16.7	12.7
85°	0.0	0.0	1.6	3.2	4.8	5.6	5.6	4.0	4.0	2.4	1.6
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)