

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: P527757

Luminaire Tested: **GALN-SA2D-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527757  
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-SA2D-740-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8115 lumens  
Efficiency: N/A  
Efficacy: 64.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

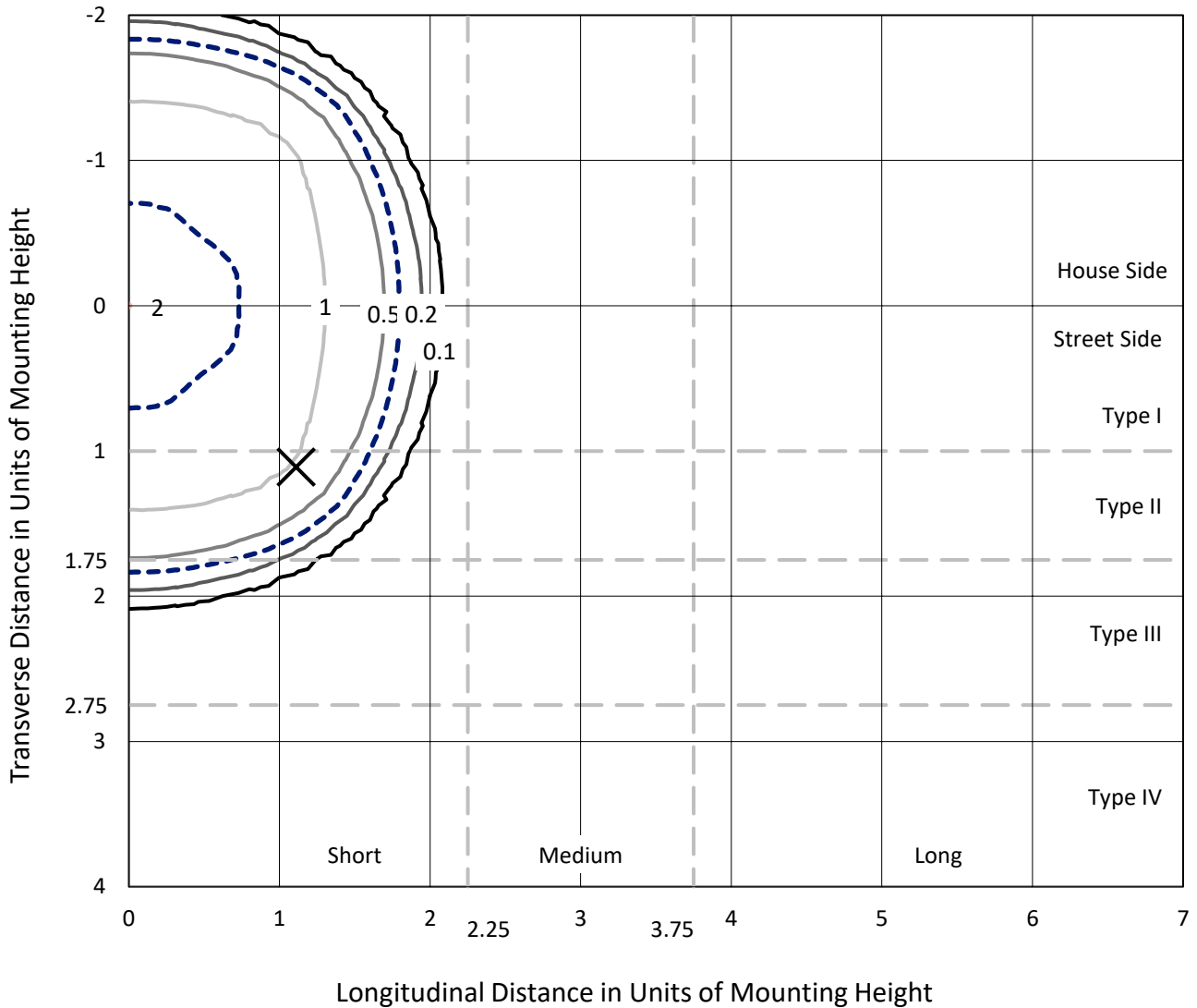
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

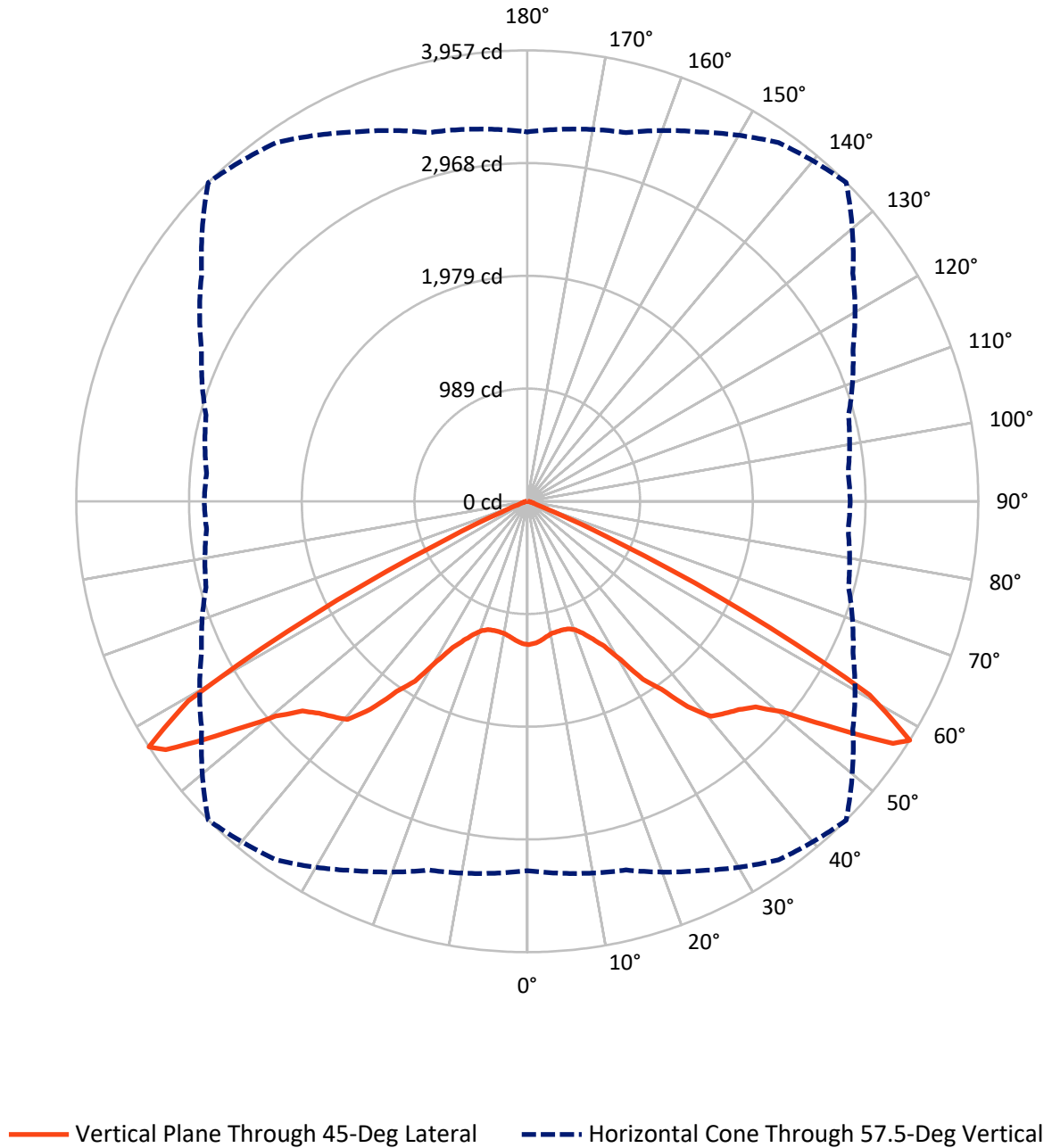
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	4057.5	0.0	4057.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4057.5	0.0	4057.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8115.0	0.0	8115.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.7	1.4
10°-20°	334.3	4.1
20°-30°	617.1	7.6
30°-40°	1213.7	15.0
40°-50°	1976.8	24.4
50°-60°	2819.1	34.7
60°-70°	976.0	12.0
70°-80°	52.4	0.6
80°-90°	9.8	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°	8115.0	100.0
0°-180°	8115.0	100.0

**Coefficient of Utilization**

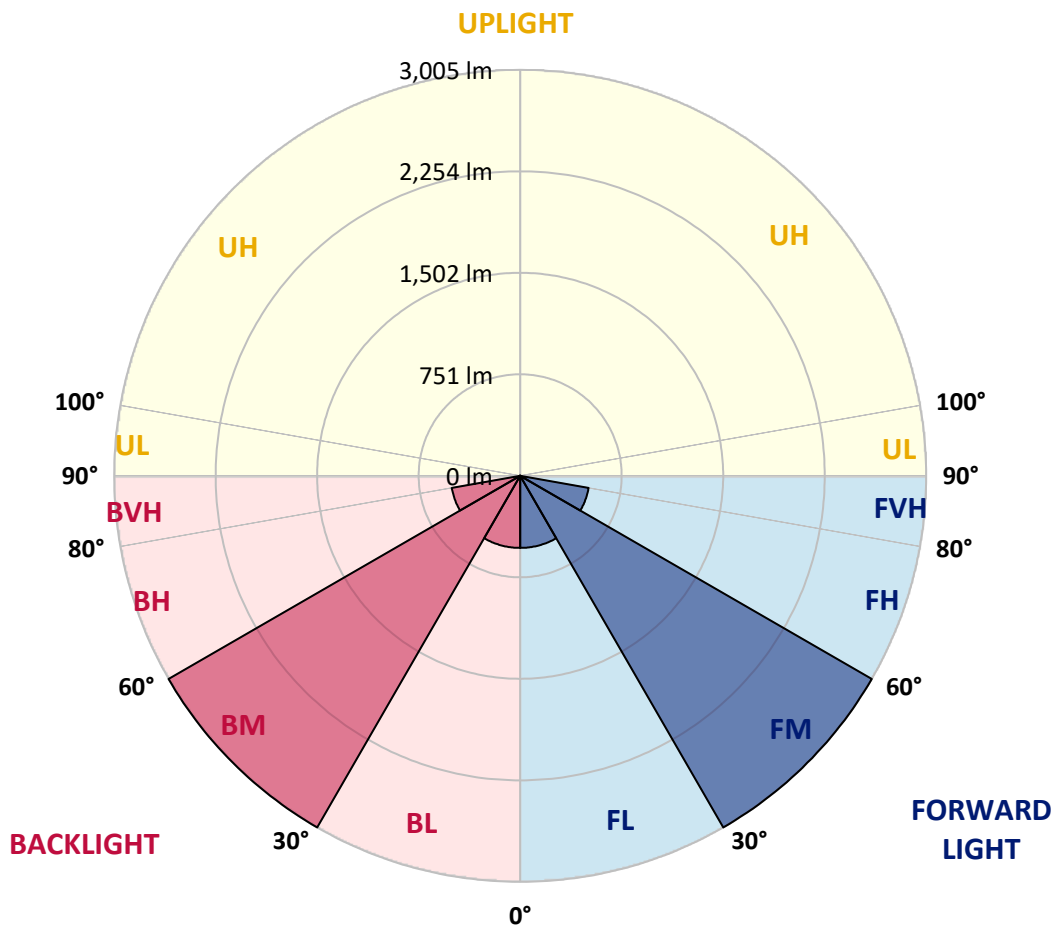


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.6	6.6			
FM (30°-60°)	3004.8	37.0			
FH (60°-80°)	514.2	6.3			G0/660
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	533.6	6.6	B2/1000		
BM (30°-60°)	3004.8	37.0	B3/5000		
BH (60°-80°)	514.2	6.3	B2/1000		G0/660
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7
2.5°	1255.3	1262.1	1253.6	1250.3	1248.6	1248.6	1243.5	1243.5	1241.8	1243.5	1236.7
5°	1235.0	1241.8	1241.8	1240.1	1230.0	1228.3	1223.2	1219.8	1221.5	1214.7	1219.8
7.5°	1214.7	1219.8	1213.0	1211.4	1208.0	1201.2	1199.5	1184.3	1186.0	1186.0	1189.4
10°	1211.4	1209.7	1199.5	1191.0	1180.9	1179.2	1174.1	1170.7	1170.7	1169.1	1174.1
12.5°	1211.4	1202.9	1201.2	1182.6	1165.7	1172.4	1158.9	1150.4	1162.3	1165.7	1172.4
15°	1209.7	1218.1	1189.4	1180.9	1169.1	1170.7	1158.9	1150.4	1157.2	1160.6	1165.7
17.5°	1219.8	1214.7	1206.3	1189.4	1184.3	1177.5	1162.3	1155.5	1155.5	1164.0	1165.7
20°	1246.9	1233.3	1216.4	1208.0	1213.0	1204.6	1186.0	1160.6	1167.4	1174.1	1179.2
22.5°	1272.3	1262.1	1250.3	1245.2	1273.9	1260.4	1228.3	1199.5	1189.4	1201.2	1209.7
25°	1321.3	1321.3	1299.3	1306.1	1338.2	1339.9	1302.7	1252.0	1245.2	1250.3	1253.6
27.5°	1421.1	1426.2	1407.6	1414.4	1427.9	1439.7	1407.6	1365.3	1350.1	1348.4	1353.5
30°	1529.4	1539.6	1537.9	1566.6	1605.5	1612.3	1564.9	1495.6	1449.9	1441.4	1448.2
32.5°	1671.5	1676.6	1673.2	1707.1	1811.9	1861.0	1737.5	1639.4	1578.5	1593.7	1578.5
35°	1938.8	1933.8	1896.5	1903.3	1989.6	2025.1	1906.7	1844.1	1815.3	1845.8	1839.0
37.5°	2168.9	2150.3	2119.9	2163.9	2253.5	2285.7	2162.2	2052.2	1999.7	2050.5	2072.5
40°	2363.5	2316.1	2273.8	2317.8	2437.9	2481.9	2300.9	2211.2	2190.9	2228.1	2275.5
42.5°	2527.6	2497.1	2441.3	2444.7	2524.2	2544.5	2399.0	2346.6	2326.3	2385.5	2409.2
45°	2644.3	2615.6	2563.1	2559.7	2620.6	2607.1	2476.8	2441.3	2453.2	2492.1	2503.9
47.5°	2703.5	2718.8	2688.3	2696.8	2728.9	2696.8	2593.6	2593.6	2566.5	2590.2	2578.3
50°	2874.4	2827.0	2866.0	2866.0	2899.8	2903.2	2800.0	2762.8	2690.0	2649.4	2649.4
52.5°	3074.1	3077.4	3092.7	3148.5	3206.0	3255.1	3107.9	2948.9	2827.0	2774.6	2767.8
55°	3238.2	3272.0	3332.9	3437.8	3603.6	3671.3	3417.5	3133.3	2984.4	2903.2	2886.3
56°	3327.8	3295.7	3400.6	3544.4	3760.9	3848.9	3468.3	3170.5	3006.4	2915.0	2913.3
57.5°	3241.5	3277.1	3349.8	3576.5	3842.1	3957.2	3486.9	3153.6	2918.4	2825.4	2833.8
60°	2559.7	2593.6	2691.7	2945.5	3361.7	3451.3	2950.6	2600.3	2390.6	2256.9	2258.6
62.5°	1448.2	1473.6	1549.7	1784.9	2043.7	2130.0	1839.0	1605.5	1460.0	1385.6	1361.9
65°	532.9	522.8	534.6	654.7	813.8	886.5	764.7	646.3	570.1	543.1	532.9
67.5°	199.6	184.4	172.6	184.4	231.8	245.3	225.0	187.8	176.0	181.0	184.4
70°	123.5	116.7	93.1	88.0	86.3	84.6	89.7	94.7	108.3	126.9	130.3
72.5°	86.3	81.2	66.0	62.6	59.2	57.5	66.0	72.7	84.6	98.1	99.8
75°	33.8	35.5	33.8	37.2	38.9	40.6	47.4	52.4	57.5	57.5	55.8
77.5°	6.8	6.8	10.2	13.5	16.9	22.0	32.1	37.2	38.9	37.2	32.1
80°	0.0	0.0	3.4	6.8	13.5	18.6	28.8	32.1	35.5	32.1	25.4
82.5°	0.0	0.0	3.4	8.5	13.5	16.9	27.1	33.8	38.9	35.5	27.1
85°	0.0	0.0	3.4	6.8	10.2	11.8	11.8	8.5	8.5	5.1	3.4
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)