

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: P531498

Luminaire Tested: **GALN-SA6D-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6D-740-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40491 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

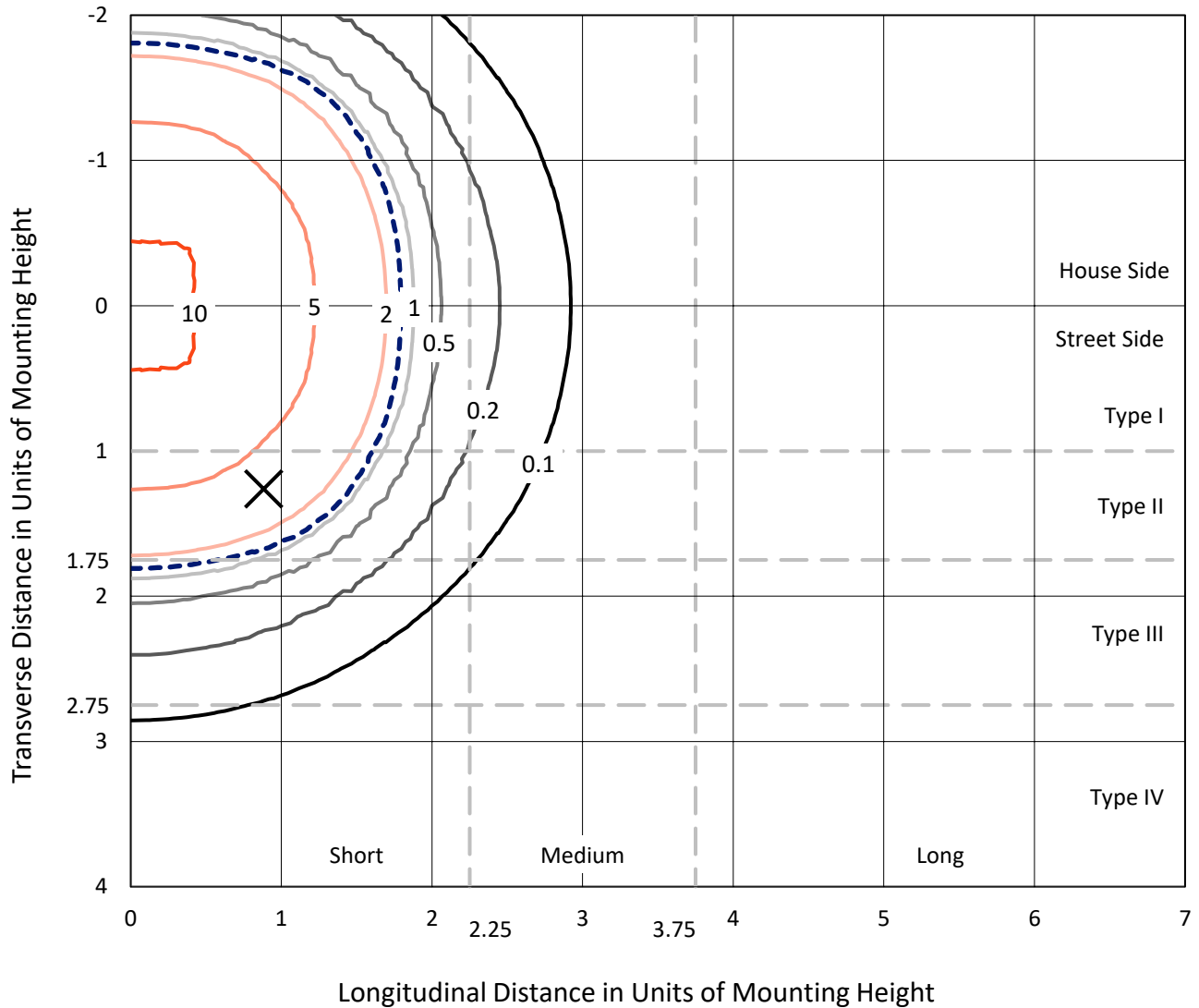
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

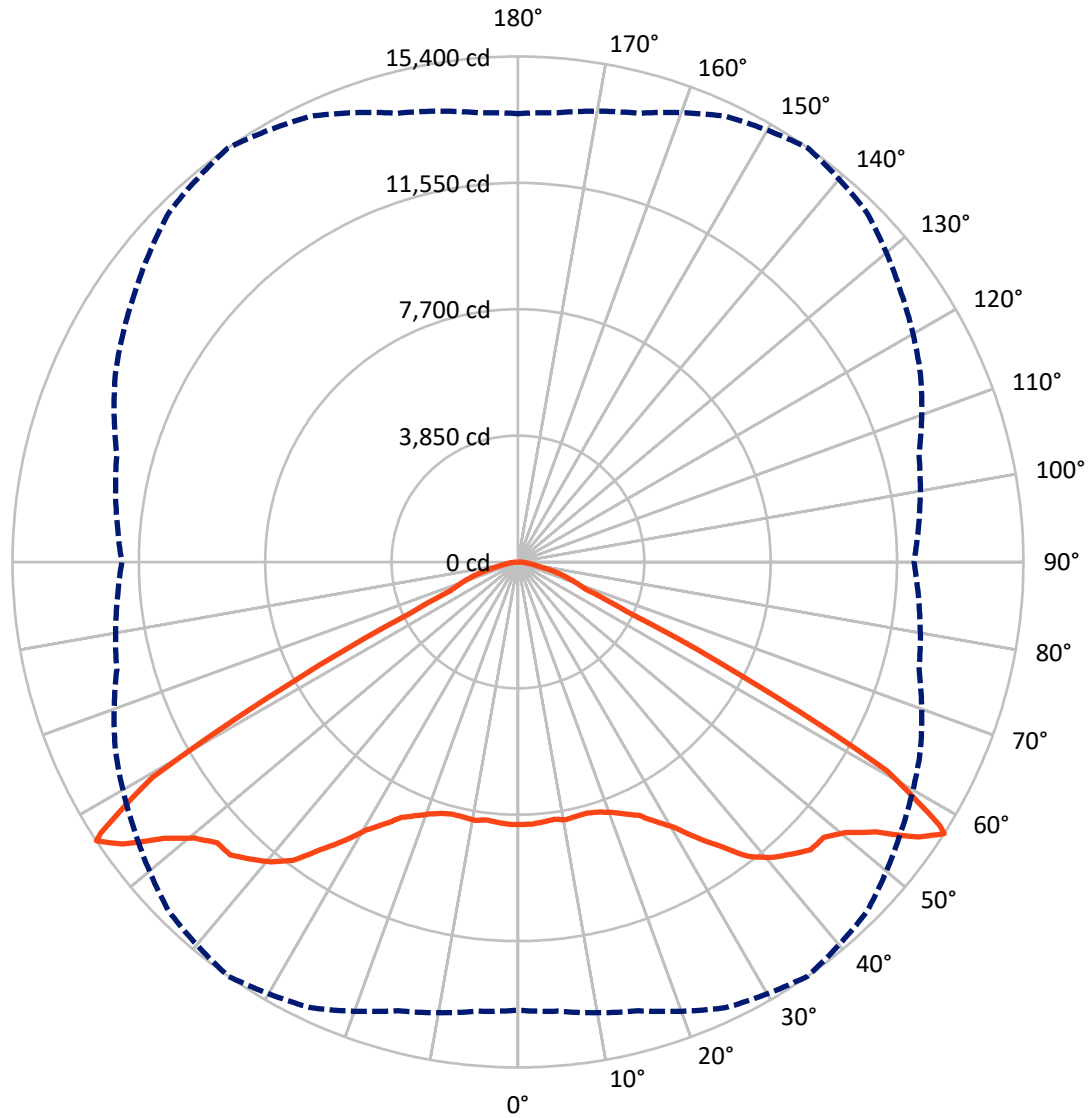
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20245.5	0.0	20245.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20245.5	0.0	20245.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40491.0	0.0	40491.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	758.1	1.9
10°-20°	2245.3	5.5
20°-30°	3921.4	9.7
30°-40°	6425.3	15.9
40°-50°	9421.1	23.3
50°-60°	11866.6	29.3
60°-70°	4462.9	11.0
70°-80°	1186.7	2.9
80°-90°	203.5	0.5
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°	40491.0	100.0
0°-180°	40491.0	100.0



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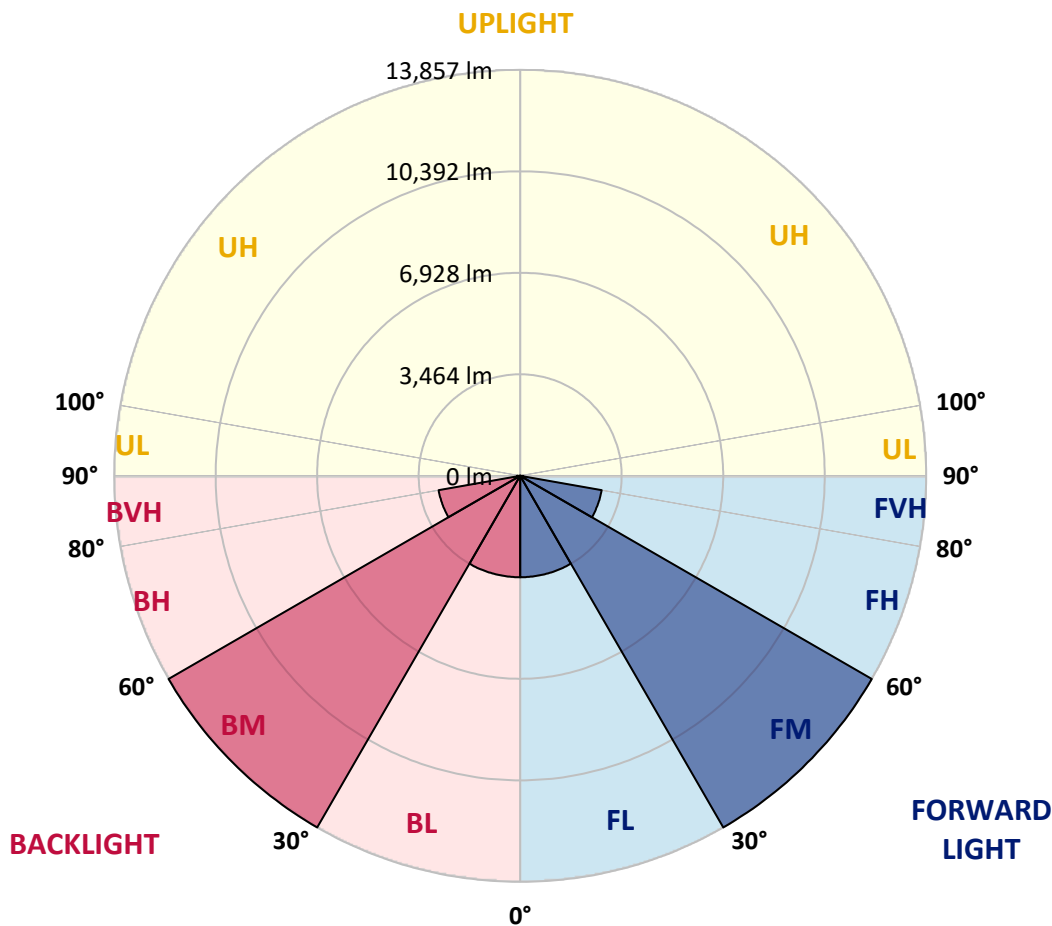
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3462.4	8.6			
FM (30°-60°)	13856.5	34.2			
FH (60°-80°)	2824.8	7.0			G2/5000
FVH (80°-90°)	101.7	0.3			G2/225
BL (0°-30°)	3462.4	8.6	B4/5000		
BM (30°-60°)	13856.5	34.2	B5		
BH (60°-80°)	2824.8	7.0	B4/5000		G2/5000
BVH (80°-90°)	101.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7996.7	7996.7	7996.7	7996.7	7996.7	7996.7	7996.7	7996.7	7996.7	7996.7	7996.7
2.5°	7956.8	8036.6	8001.7	7981.7	7996.7	7971.7	7931.8	7976.7	7966.7	7926.8	7911.9
5°	7936.8	7996.7	7956.8	7996.7	7956.8	8026.6	8006.7	7931.8	8021.6	7936.8	7966.7
7.5°	7921.8	7941.8	7951.8	7931.8	7916.9	8001.7	7956.8	7921.8	7872.0	7857.0	7881.9
10°	7886.9	7936.8	7862.0	7961.8	7981.7	7921.8	7921.8	7857.0	7817.1	7792.1	7876.9
12.5°	7976.7	7891.9	7881.9	7931.8	7946.8	7971.7	7901.9	7867.0	7792.1	7802.1	7787.2
15°	7872.0	7906.9	7911.9	7921.8	7936.8	7996.7	7931.8	7857.0	7827.1	7722.3	7732.3
17.5°	7911.9	7876.9	7911.9	8026.6	8006.7	8051.5	7981.7	7867.0	7797.1	7737.3	7817.1
20°	7981.7	7966.7	7981.7	8121.4	8146.3	8186.2	8126.4	8021.6	7886.9	7817.1	7857.0
22.5°	8056.5	8046.6	8056.5	8191.2	8335.9	8385.8	8325.9	8081.5	8011.6	7881.9	7837.0
25°	8191.2	8201.2	8306.0	8455.6	8550.4	8645.2	8535.4	8360.8	8136.4	8056.5	7961.8
27.5°	8490.5	8515.5	8575.3	8794.8	8959.5	9044.3	8889.6	8650.2	8510.5	8345.9	8320.9
30°	8859.7	8859.7	8964.5	9154.0	9378.5	9508.2	9318.6	9034.3	8864.7	8774.9	8720.0
32.5°	9348.6	9293.7	9333.6	9667.8	10017.0	10126.8	9872.4	9523.2	9253.8	9134.1	9094.2
35°	9767.6	9802.5	9892.3	10251.5	10640.6	10895.0	10495.9	10042.0	9767.6	9657.9	9637.9
37.5°	10311.4	10371.2	10416.1	10910.0	11378.9	11473.7	11089.6	10725.4	10391.2	10301.4	10251.5
40°	11079.6	11039.7	11054.7	11418.8	11842.9	11902.7	11523.6	11264.2	10989.8	10934.9	10934.9
42.5°	11713.2	11668.3	11718.1	11852.8	12177.1	12132.2	11922.7	11733.1	11618.4	11558.5	11618.4
45°	12097.3	12087.3	12177.1	12276.9	12506.3	12356.7	12192.1	12222.0	12112.2	12012.5	12007.5
47.5°	12516.3	12451.5	12561.2	12710.9	12536.3	12466.4	12456.5	12521.3	12486.4	12311.8	12256.9
50°	12720.8	12695.9	12870.5	13045.1	12950.3	12790.7	12825.6	12930.4	12481.4	12246.9	12112.2
52.5°	13269.6	13274.6	13608.8	13703.6	13663.7	13429.2	13504.1	13219.7	12690.9	12361.7	12376.6
55°	14132.6	14097.7	14471.8	14751.2	14796.1	14496.8	14137.6	13738.5	13075.0	12740.8	12641.0
57°	13658.7	13738.5	14152.6	14980.7	15399.7	15045.5	14262.3	13534.0	12651.0	12246.9	12067.3
57.5°	13025.2	13154.9	13873.2	14706.3	15145.3	15115.4	14107.7	13154.9	12366.7	11738.1	11753.1
60°	9543.1	9568.1	10216.6	11538.6	12910.4	12940.3	11713.2	10451.0	9573.1	8889.6	8984.4
62.5°	5033.5	5148.2	5407.6	6470.2	7657.5	7946.8	7203.5	6555.0	5796.7	5277.9	5327.8
65°	2663.9	2648.9	2773.6	3073.0	3656.6	3806.3	3706.5	3192.7	2928.3	2843.5	2848.5
67.5°	2165.0	2190.0	2175.0	2190.0	2229.9	2294.7	2279.8	2299.7	2314.7	2339.6	2334.6
70°	1835.8	1835.8	1845.8	1850.8	1850.8	1880.7	1915.6	1980.5	1985.4	2010.4	2020.4
72.5°	1446.7	1436.7	1451.7	1486.6	1491.6	1516.5	1566.4	1606.3	1621.3	1621.3	1591.4
75°	982.7	992.7	1012.7	1042.6	1072.5	1117.4	1157.3	1182.3	1192.3	1177.3	1162.3
77.5°	553.7	563.7	578.7	623.6	658.5	698.4	743.3	768.2	793.2	798.2	768.2
80°	329.2	329.2	354.2	389.1	429.0	468.9	508.8	538.8	548.7	548.7	533.8
82.5°	199.5	204.5	224.5	259.4	294.3	319.3	354.2	379.1	399.1	394.1	384.1
85°	104.8	104.8	124.7	154.6	179.6	204.5	204.5	189.6	179.6	154.6	144.7
87.5°	34.9	29.9	39.9	39.9	34.9	39.9	39.9	44.9	44.9	44.9	44.9
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)