

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: P534254

Luminaire Tested: **GALN-SA9D-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534254  
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-SA9D-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 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: 56375 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

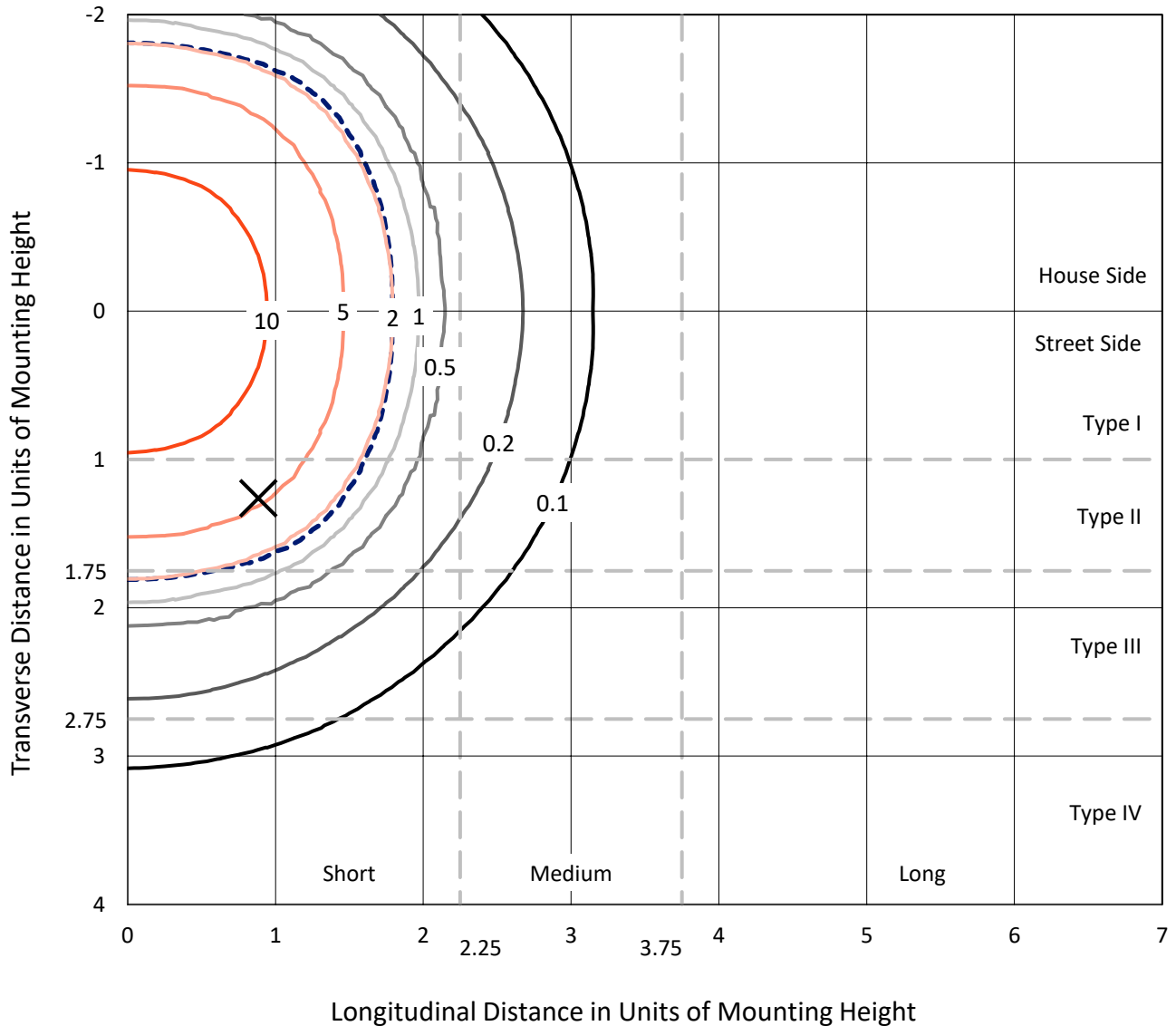
Input Watts (W): 552  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P534254  
 CATALOG NUMBER: GALN-SA9D-730-U-5MQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

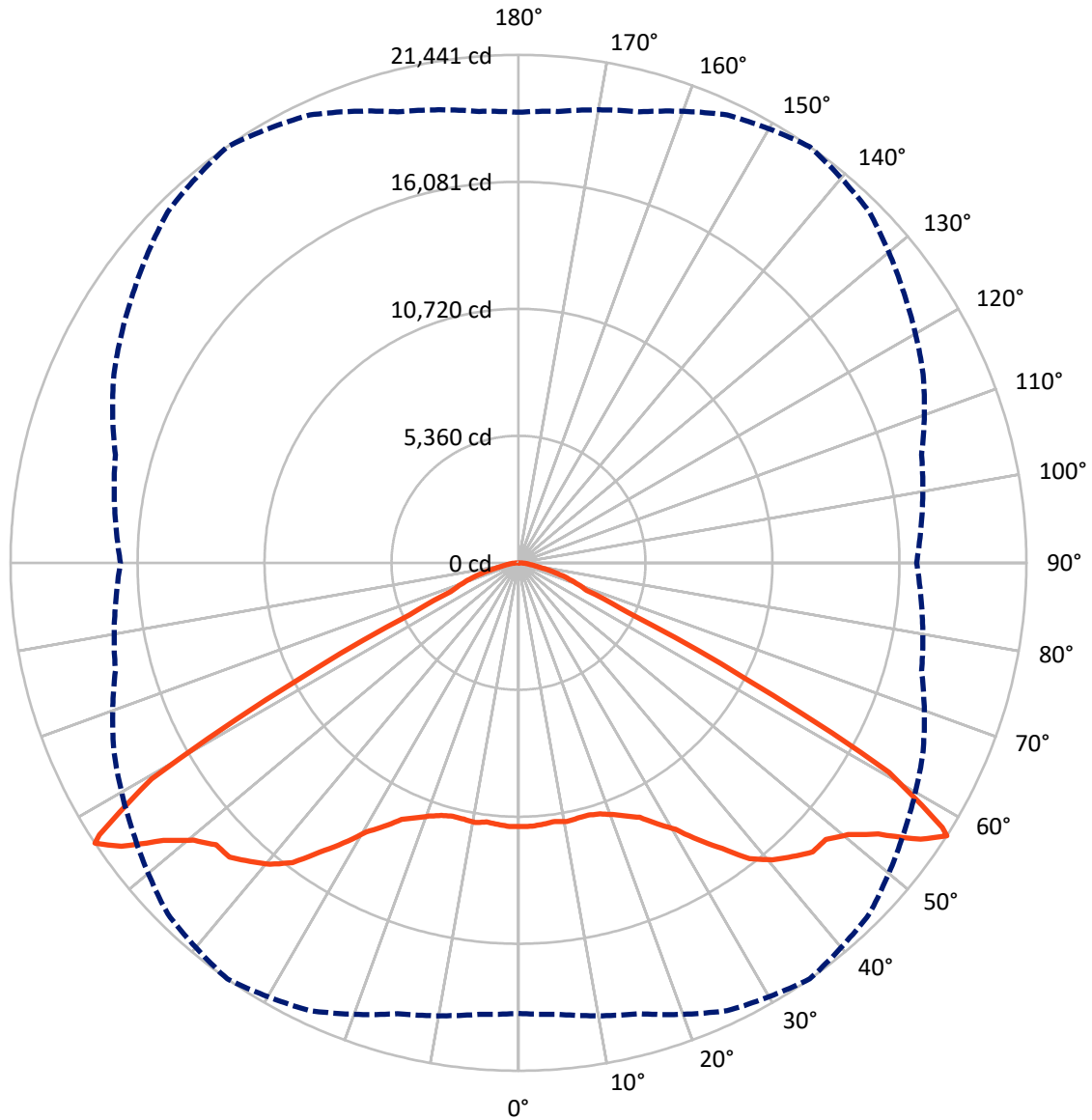
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P534254  
CATALOG NUMBER: GALN-SA9D-730-U-5MQ-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P534254  
 CATALOG NUMBER: GALN-SA9D-730-U-5MQ-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28187.5	0.0	28187.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28187.5	0.0	28187.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56375.0	0.0	56375.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1055.5	1.9
10°-20°	3126.1	5.5
20°-30°	5459.7	9.7
30°-40°	8945.9	15.9
40°-50°	13116.9	23.3
50°-60°	16521.7	29.3
60°-70°	6213.7	11.0
70°-80°	1652.2	2.9
80°-90°	283.3	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°	56375.0	100.0
0°-180°	56375.0	100.0

**Coefficient of Utilization**



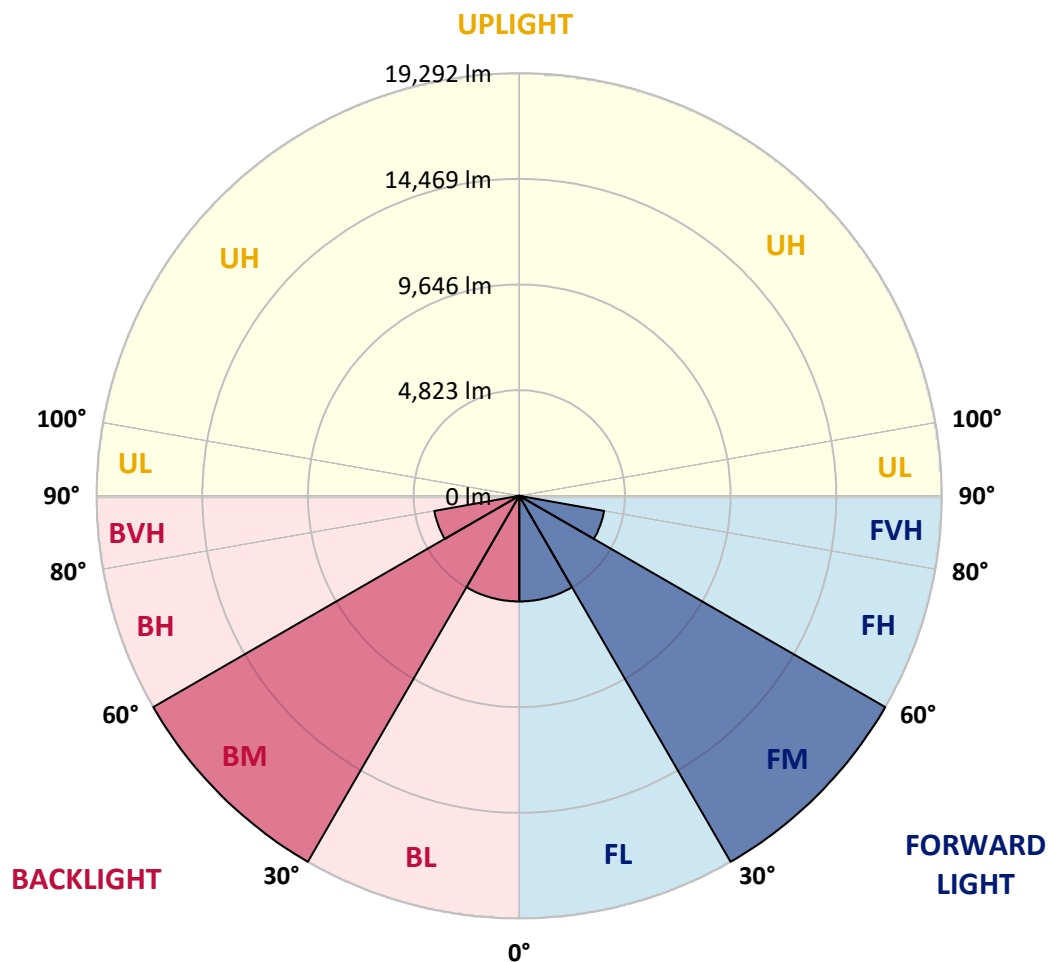
REPORT NUMBER: P534254  
 CATALOG NUMBER: GALN-SA9D-730-U-5MQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4820.7	8.6			
FM (30°-60°)	19292.3	34.2			
FH (60°-80°)	3932.9	7.0			G2/5000
FVH (80°-90°)	141.6	0.3			G2/225
BL (0°-30°)	4820.7	8.6	B4/5000		
BM (30°-60°)	19292.3	34.2	B5		
BH (60°-80°)	3932.9	7.0	B4/5000		G2/5000
BVH (80°-90°)	141.6	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





REPORT NUMBER: P534254

CATALOG NUMBER: GALN-SA9D-730-U-5MQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11133.6	11133.6	11133.6	11133.6	11133.6	11133.6	11133.6	11133.6	11133.6	11133.6	11133.6
2.5°	11078.1	11189.2	11140.6	11112.8	11133.6	11098.9	11043.4	11105.9	11092.0	11036.4	11015.6
5°	11050.3	11133.6	11078.1	11133.6	11078.1	11175.3	11147.5	11043.4	11168.4	11050.3	11092.0
7.5°	11029.5	11057.2	11071.1	11043.4	11022.5	11140.6	11078.1	11029.5	10960.0	10939.2	10973.9
10°	10980.8	11050.3	10946.1	11085.0	11112.8	11029.5	11029.5	10939.2	10883.6	10848.9	10967.0
12.5°	11105.9	10987.8	10973.9	11043.4	11064.2	11098.9	11001.7	10953.1	10848.9	10862.8	10841.9
15°	10960.0	11008.6	11015.6	11029.5	11050.3	11133.6	11043.4	10939.2	10897.5	10751.6	10765.5
17.5°	11015.6	10967.0	11015.6	11175.3	11147.5	11210.0	11112.8	10953.1	10855.8	10772.5	10883.6
20°	11112.8	11092.0	11112.8	11307.3	11342.0	11397.6	11314.2	11168.4	10980.8	10883.6	10939.2
22.5°	11217.0	11203.1	11217.0	11404.5	11605.9	11675.4	11592.1	11251.7	11154.5	10973.9	10911.4
25°	11404.5	11418.4	11564.3	11772.6	11904.6	12036.6	11883.8	11640.7	11328.1	11217.0	11085.0
27.5°	11821.3	11856.0	11939.3	12244.9	12474.1	12592.2	12376.9	12043.5	11849.0	11619.8	11585.1
30°	12335.2	12335.2	12481.1	12745.0	13057.6	13238.1	12974.2	12578.3	12342.2	12217.1	12140.7
32.5°	13015.9	12939.5	12995.0	13460.4	13946.6	14099.4	13745.2	13259.0	12883.9	12717.2	12661.7
35°	13599.3	13647.9	13772.9	14273.0	14814.8	15169.0	14613.3	13981.3	13599.3	13446.5	13418.7
37.5°	14356.4	14439.7	14502.2	15189.8	15842.7	15974.7	15439.9	14932.8	14467.5	14342.5	14273.0
40°	15426.0	15370.4	15391.2	15898.3	16488.6	16572.0	16044.1	15683.0	15301.0	15224.6	15224.6
42.5°	16308.0	16245.5	16315.0	16502.5	16954.0	16891.5	16599.8	16335.8	16176.1	16092.7	16176.1
45°	16842.9	16829.0	16954.0	17092.9	17412.4	17204.0	16974.8	17016.5	16863.7	16724.8	16717.8
47.5°	17426.3	17336.0	17488.8	17697.2	17454.1	17356.8	17342.9	17433.2	17384.6	17141.5	17065.1
50°	17711.0	17676.3	17919.4	18162.5	18030.5	17808.3	17856.9	18002.8	17377.7	17051.2	16863.7
52.5°	18475.0	18482.0	18947.3	19079.3	19023.7	18697.3	18801.5	18405.6	17669.4	17211.0	17231.8
55°	19676.6	19628.0	20148.9	20537.9	20600.4	20183.6	19683.6	19127.9	18204.2	17738.8	17599.9
57°	19016.8	19127.9	19704.4	20857.4	21440.8	20947.6	19857.2	18843.2	17613.8	17051.2	16801.2
57.5°	18134.7	18315.3	19315.5	20475.4	21086.6	21044.9	19641.9	18315.3	17217.9	16342.8	16363.6
60°	13286.8	13321.5	14224.4	16065.0	17975.0	18016.6	16308.0	14550.8	13328.4	12376.9	12508.9
62.5°	7008.0	7167.8	7528.9	9008.3	10661.4	11064.2	10029.3	9126.4	8070.7	7348.3	7417.8
65°	3708.9	3688.1	3861.7	4278.4	5091.1	5299.4	5160.5	4445.1	4077.0	3958.9	3965.9
67.5°	3014.3	3049.1	3028.2	3049.1	3104.6	3194.9	3174.1	3201.9	3222.7	3257.4	3250.5
70°	2555.9	2555.9	2569.8	2576.8	2576.8	2618.5	2667.1	2757.4	2764.3	2799.0	2812.9
72.5°	2014.2	2000.3	2021.1	2069.8	2076.7	2111.4	2180.9	2236.5	2257.3	2257.3	2215.6
75°	1368.3	1382.2	1409.9	1451.6	1493.3	1555.8	1611.4	1646.1	1660.0	1639.1	1618.3
77.5°	771.0	784.8	805.7	868.2	916.8	972.4	1034.9	1069.6	1104.3	1111.3	1069.6
80°	458.4	458.4	493.1	541.7	597.3	652.9	708.4	750.1	764.0	764.0	743.2
82.5°	277.8	284.8	312.5	361.2	409.8	444.5	493.1	527.9	555.6	548.7	534.8
85°	145.9	145.9	173.6	215.3	250.0	284.8	284.8	263.9	250.0	215.3	201.4
87.5°	48.6	41.7	55.6	55.6	48.6	55.6	55.6	62.5	62.5	62.5	62.5
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)