

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: P530570

Luminaire Tested: **GALN-SA5D-740-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5D-740-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33946 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

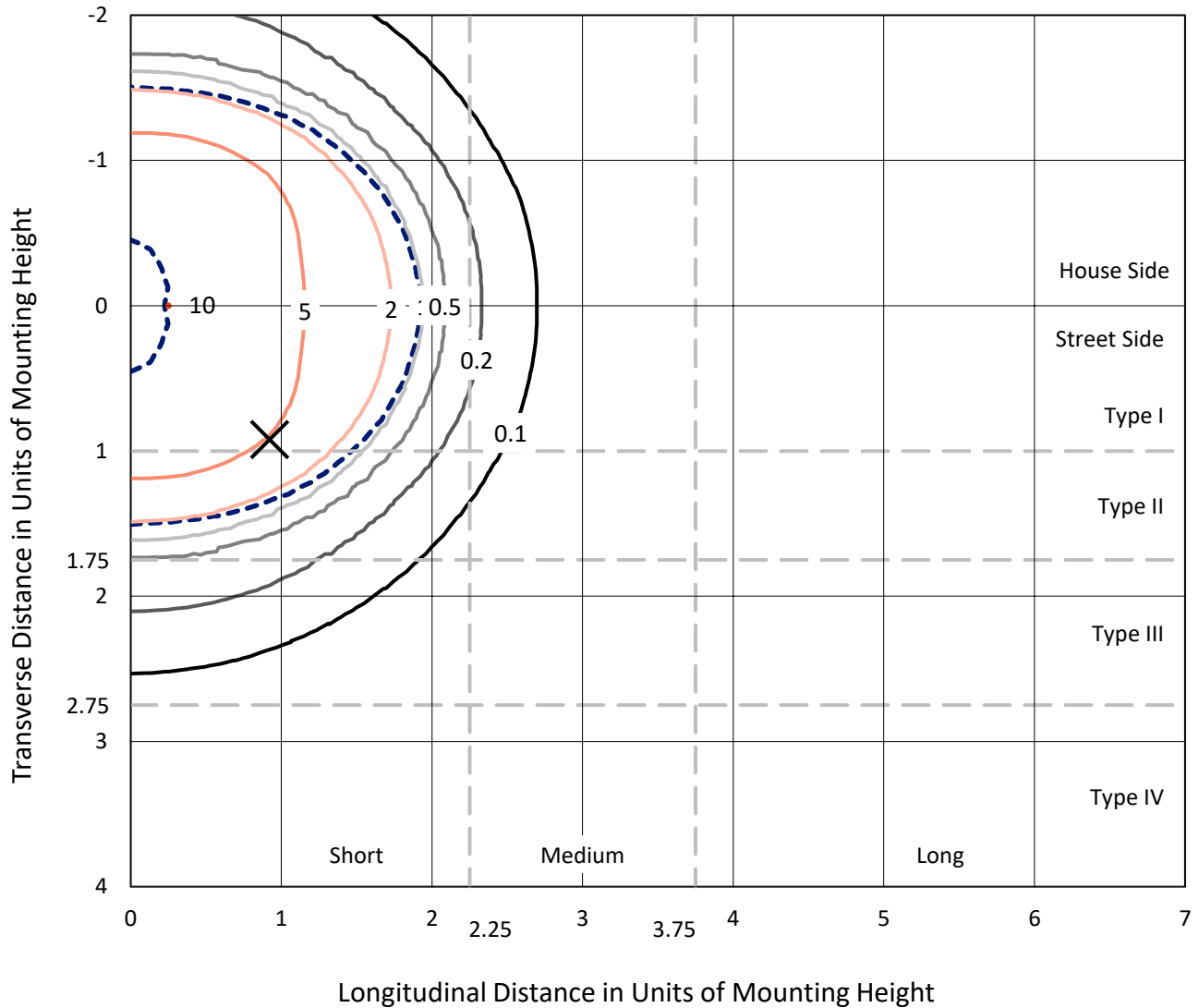
Input Watts (W): 309  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

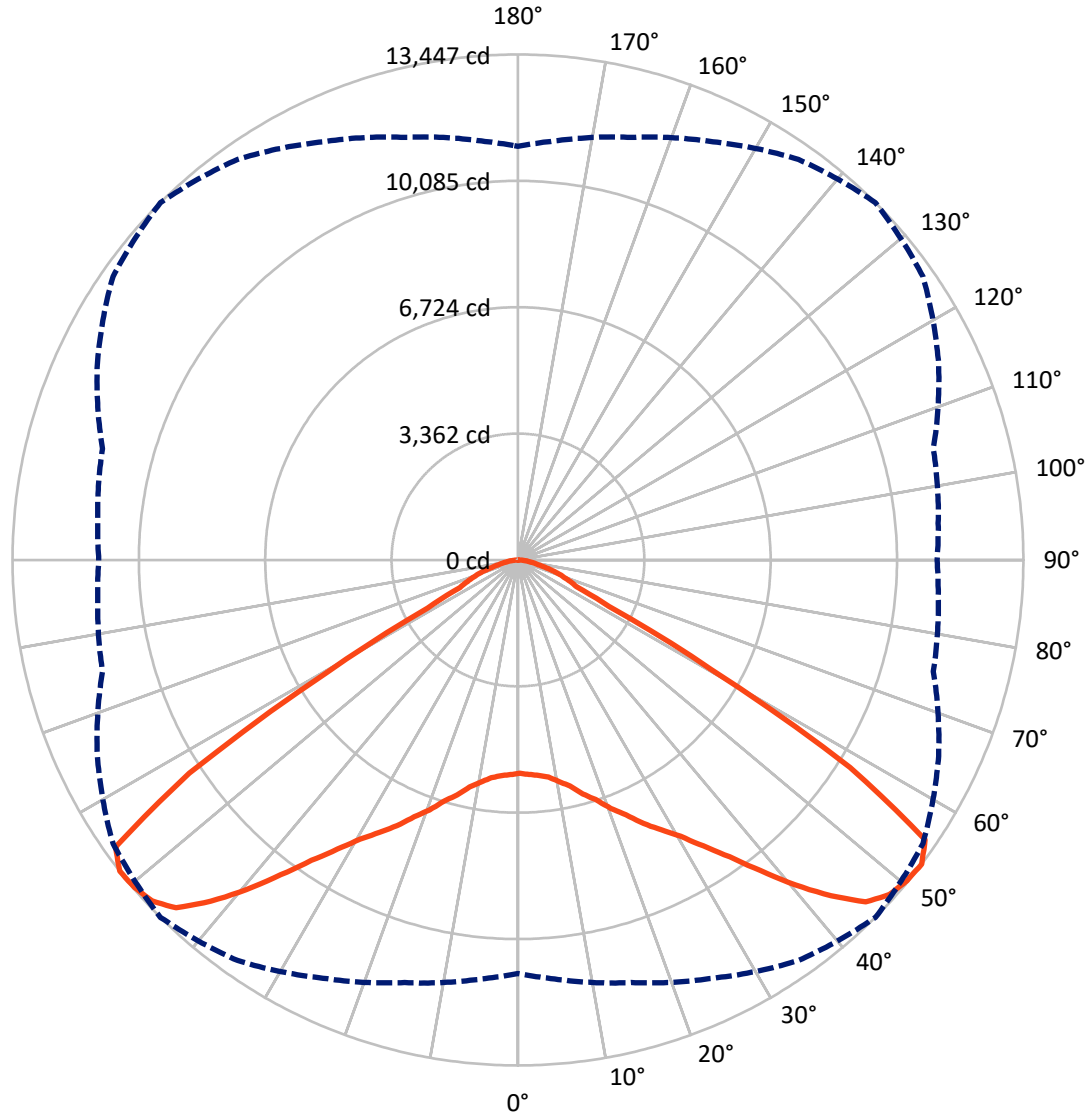
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16973.0	0.0	16973.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16973.0	0.0	16973.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33946.0	0.0	33946.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	557.5	1.6
10°-20°	1831.9	5.4
20°-30°	3487.7	10.3
30°-40°	5988.7	17.6
40°-50°	9204.8	27.1
50°-60°	9347.3	27.5
60°-70°	2605.0	7.7
70°-80°	768.4	2.3
80°-90°	154.8	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°	33946.0	100.0
0°-180°	33946.0	100.0

**Coefficient of Utilization**



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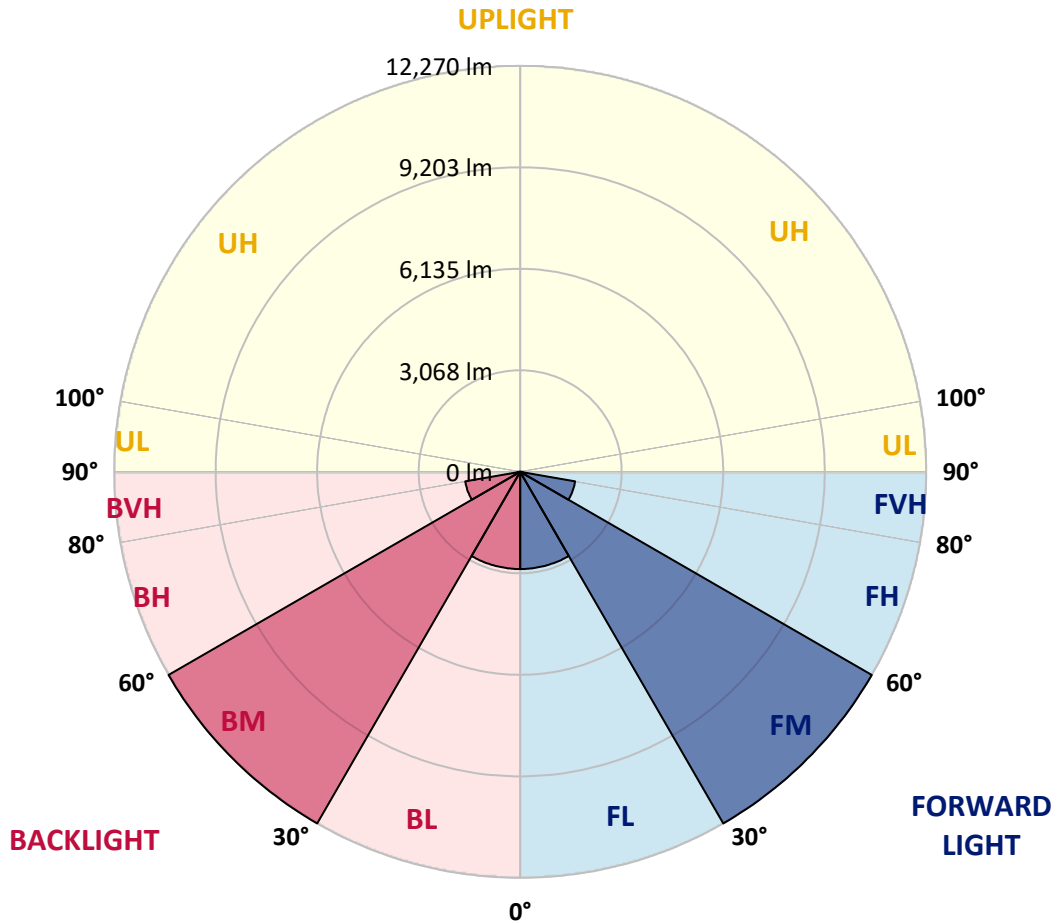
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2938.6	8.7			
FM (30°-60°)	12270.3	36.1			
FH (60°-80°)	1686.7	5.0			G1/1800
FVH (80°-90°)	77.4	0.2			G1/100
BL (0°-30°)	2938.6	8.7	B4/5000		
BM (30°-60°)	12270.3	36.1	B5		
BH (60°-80°)	1686.7	5.0	B3/2500		G1/1800
BVH (80°-90°)	77.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5674.5	5674.5	5674.5	5674.5	5674.5	5674.5	5674.5	5674.5	5674.5	5674.5	5674.5
2.5°	5687.2	5628.2	5649.2	5661.9	5716.6	5712.4	5699.8	5716.6	5733.5	5737.7	5729.3
5°	5682.9	5640.8	5657.7	5670.3	5725.1	5754.6	5746.1	5817.8	5868.3	5855.7	5918.9
7.5°	5649.2	5674.5	5653.5	5716.6	5763.0	5834.6	5910.4	5977.8	6041.0	6112.6	6125.3
10°	5725.1	5725.1	5763.0	5813.5	5935.7	5990.5	6100.0	6196.9	6319.1	6403.3	6369.6
12.5°	5805.1	5817.8	5817.8	5948.3	6049.5	6171.6	6272.7	6403.3	6576.0	6677.1	6727.7
15°	5885.2	5893.6	5935.7	6112.6	6264.3	6458.1	6550.8	6668.7	6765.6	6955.2	6959.4
17.5°	5956.8	6003.1	6129.5	6327.5	6517.1	6702.4	6849.9	6972.0	7056.3	7132.1	7115.3
20°	6226.4	6260.1	6390.7	6588.7	6870.9	7052.1	7102.6	7123.7	7178.5	7330.1	7283.8
22.5°	6487.6	6500.2	6622.4	6925.7	7123.7	7363.8	7418.6	7405.9	7427.0	7464.9	7532.3
25°	6757.2	6778.3	6946.8	7203.7	7481.8	7768.2	7814.6	7717.7	7688.2	7730.3	7734.5
27.5°	7102.6	7106.8	7321.7	7545.0	7860.9	8130.5	8202.1	8126.3	7987.3	8021.0	8075.8
30°	7540.8	7511.3	7726.1	8046.3	8379.1	8530.7	8652.9	8615.0	8463.3	8433.8	8387.5
32.5°	8046.3	8054.7	8248.5	8598.1	8817.2	9070.0	9200.6	9137.4	9040.5	8989.9	9019.4
35°	8758.2	8796.1	8926.7	9217.4	9571.3	9697.7	9904.1	9769.3	9516.5	9579.7	9634.5
37.5°	9343.8	9453.3	9697.7	10043.1	10253.7	10485.4	10561.3	10380.1	10194.8	10118.9	10300.1
40°	10241.1	10207.4	10477.0	10822.5	11134.2	11365.9	11269.0	11087.9	10628.7	10632.9	10683.4
42.5°	11012.0	11028.9	11235.3	11648.1	12073.6	12216.9	11909.3	11467.0	10957.3	10902.5	11012.0
45°	11660.8	11728.2	11846.1	12398.0	12815.1	12970.9	12402.2	11879.8	11197.4	10969.9	11151.0
47.5°	11892.5	12002.0	12259.0	12764.5	13177.4	13303.7	12848.8	12098.9	11420.7	11049.9	11146.8
50°	11926.2	11888.3	12309.5	12772.9	13135.2	13409.1	13008.9	12259.0	11365.9	11172.1	11142.6
52.5°	11003.6	11189.0	11639.7	12275.8	13008.9	13447.0	13152.1	12347.5	11441.7	11222.7	11151.0
55°	8905.7	8686.6	9508.1	10578.1	11926.2	13143.7	13101.5	12393.8	11488.1	11306.9	11210.0
57.5°	4971.0	5034.2	5497.6	6660.3	8400.1	10422.2	11648.1	11905.1	11467.0	11361.7	11412.2
60°	2300.1	2321.2	2519.2	3062.6	4141.1	5910.4	7523.9	9162.6	9916.7	10068.4	10068.4
62.5°	1714.6	1706.1	1756.7	1853.6	2081.1	2717.2	3627.1	4928.9	5965.2	6689.8	6879.4
65°	1550.3	1546.1	1571.3	1605.0	1621.9	1710.4	1912.6	2312.8	2649.8	2843.6	2809.9
67.5°	1356.5	1352.3	1360.7	1381.8	1411.3	1457.6	1508.2	1592.4	1710.4	1701.9	1680.9
70°	1095.3	1095.3	1107.9	1124.8	1158.5	1213.3	1272.2	1331.2	1432.3	1453.4	1449.2
72.5°	808.8	796.2	821.5	855.2	888.9	956.3	1019.5	1074.2	1145.9	1166.9	1158.5
75°	514.0	522.4	539.2	577.1	636.1	682.5	749.9	796.2	842.5	859.4	863.6
77.5°	286.5	294.9	324.4	370.7	429.7	480.2	539.2	577.1	606.6	610.8	615.1
80°	172.7	176.9	206.4	248.5	299.1	353.9	400.2	438.1	463.4	450.8	446.5
82.5°	105.3	109.5	134.8	172.7	214.8	257.0	307.5	341.2	366.5	349.7	332.8
85°	54.8	59.0	80.0	105.3	139.0	160.1	160.1	143.2	139.0	130.6	126.4
87.5°	16.9	16.9	21.1	25.3	21.1	25.3	29.5	33.7	33.7	37.9	33.7
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)