

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: P533374

Luminaire Tested: **GALN-SA8D-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8D-740-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52996 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

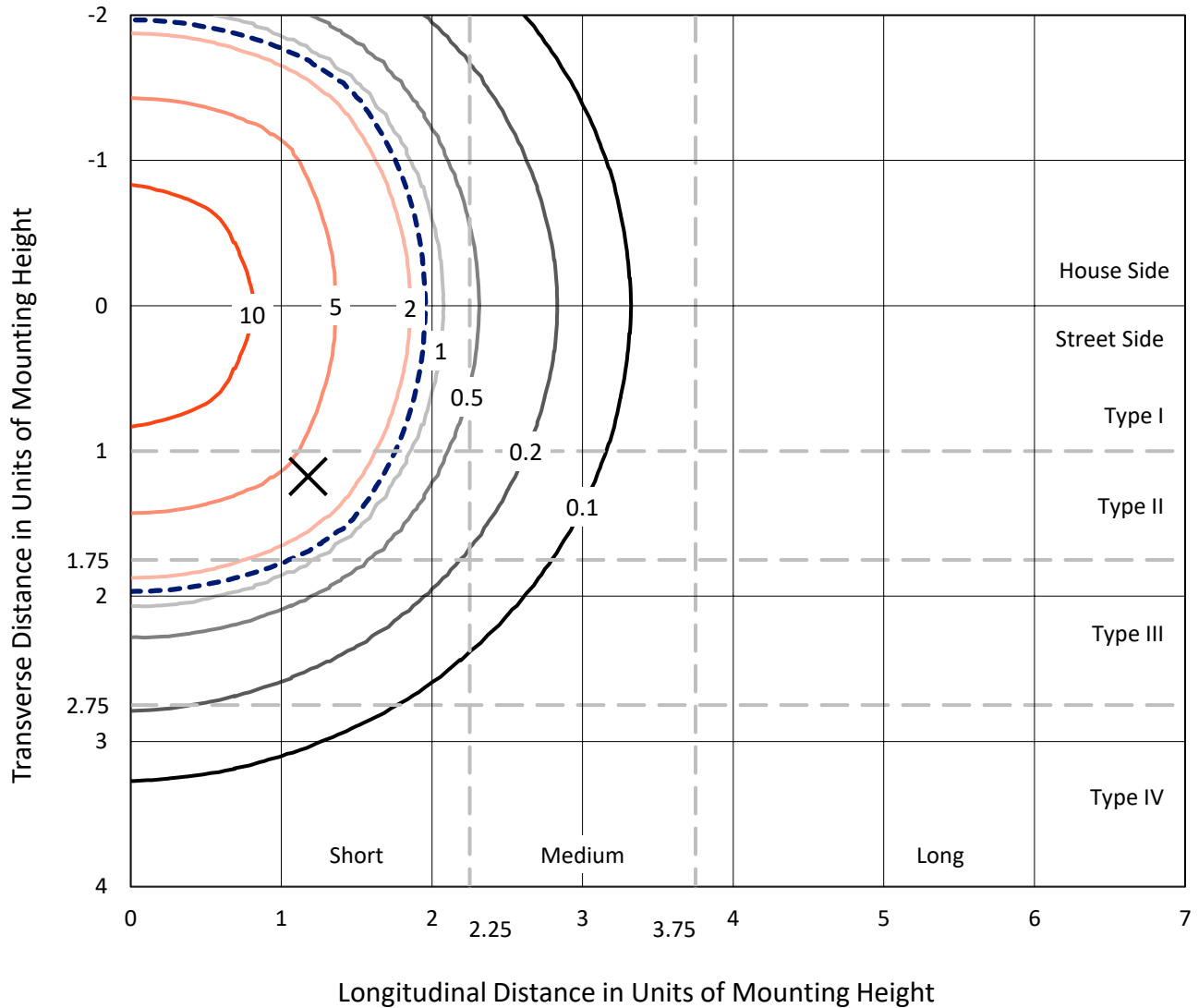
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

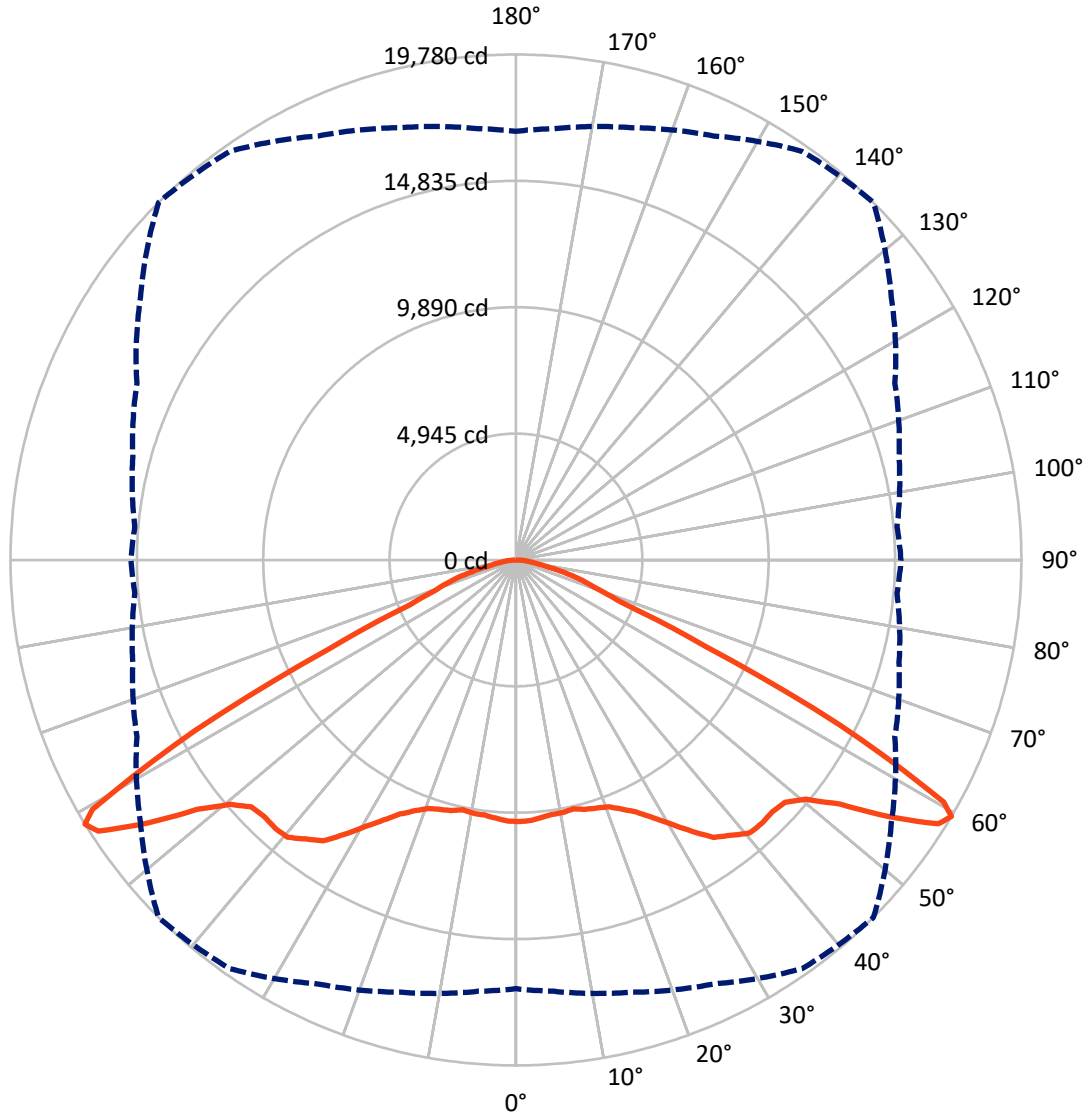
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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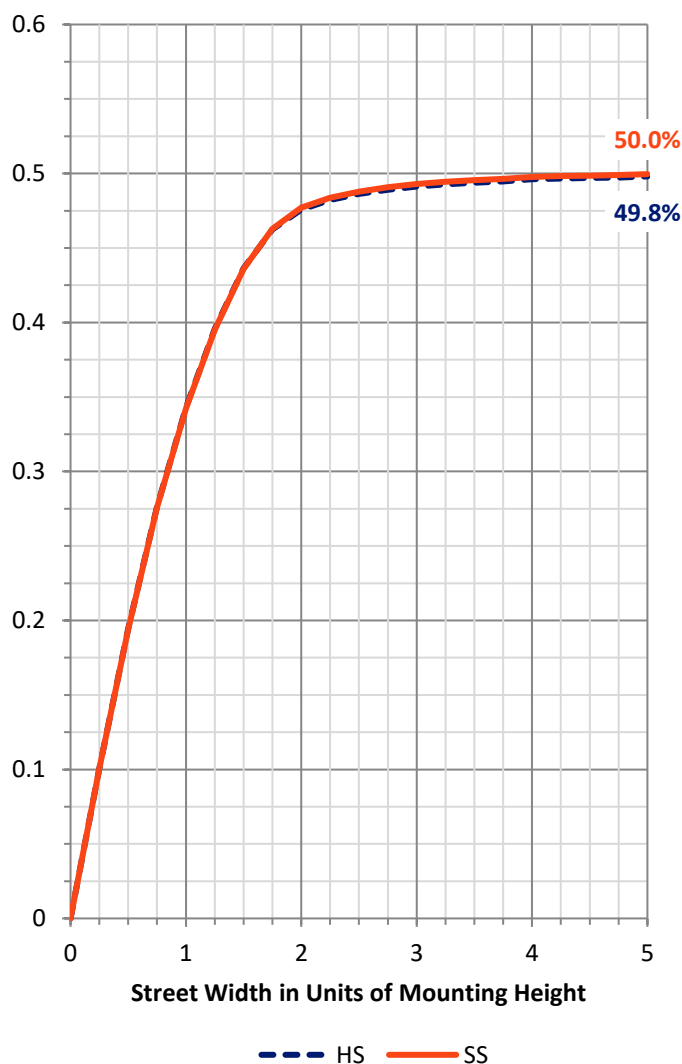
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26498.0	0.0	26498.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26498.0	0.0	26498.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52996.0	0.0	52996.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	965.0	1.8
10°-20°	2869.6	5.4
20°-30°	5010.7	9.5
30°-40°	8002.7	15.1
40°-50°	10901.3	20.6
50°-60°	14741.5	27.8
60°-70°	8084.3	15.3
70°-80°	2068.2	3.9
80°-90°	352.7	0.7
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°	52996.0	100.0
0°-180°	52996.0	100.0

**Coefficient of Utilization**

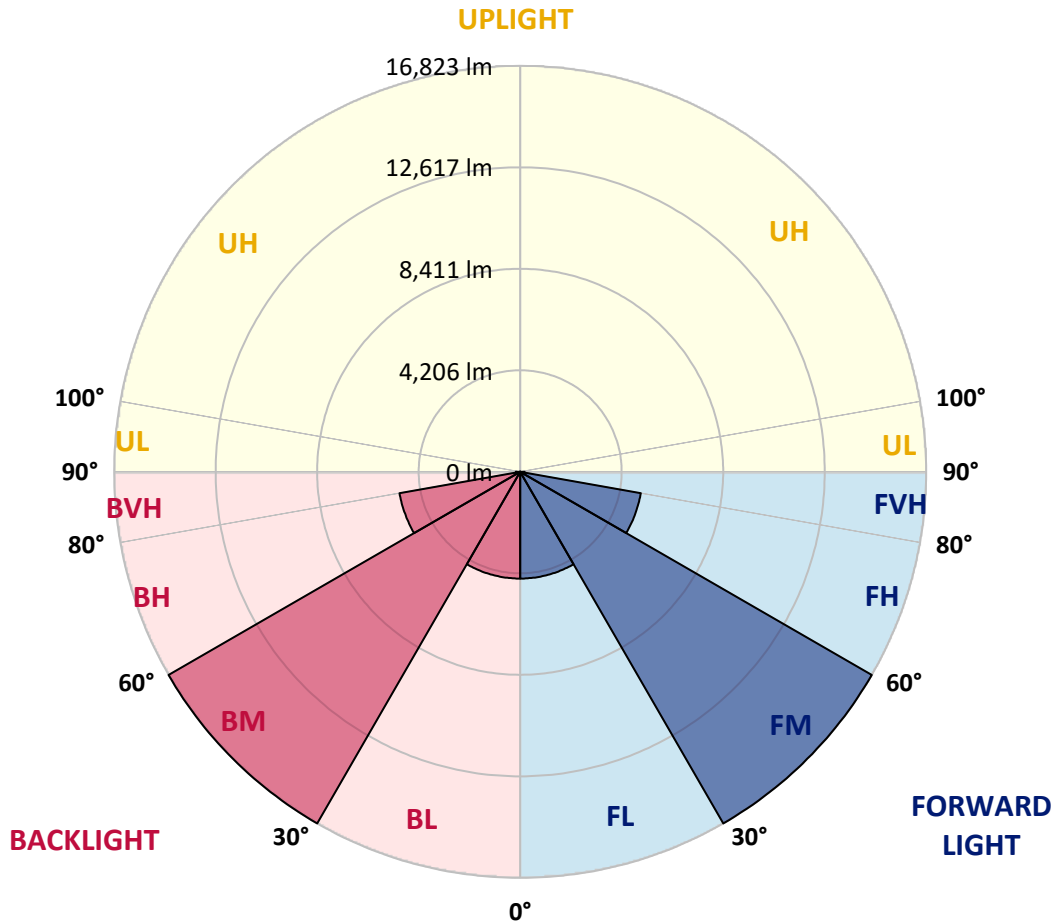


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4422.6	8.3			
FM (30°-60°)	16822.8	31.7			
FH (60°-80°)	5076.2	9.6			G3/7500
FVH (80°-90°)	176.4	0.3			G2/225
BL (0°-30°)	4422.6	8.3	B4/5000		
BM (30°-60°)	16822.8	31.7	B5		
BH (60°-80°)	5076.2	9.6	B5		G3/7500
BVH (80°-90°)	176.4	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-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10236.3	10236.3	10236.3	10236.3	10236.3	10236.3	10236.3	10236.3	10236.3	10236.3	10236.3
2.5°	10175.2	10249.9	10195.5	10243.1	10236.3	10215.9	10182.0	10161.6	10134.4	10175.2	10107.2
5°	10134.4	10195.5	10256.7	10175.2	10175.2	10134.4	10114.0	10073.3	10073.3	10066.5	10059.7
7.5°	10202.3	10141.2	10114.0	10127.6	10141.2	10052.9	10114.0	10032.5	9964.6	10012.1	10066.5
10°	10141.2	10168.4	10066.5	10114.0	10039.3	10052.9	10012.1	10066.5	9991.8	9991.8	9991.8
12.5°	10202.3	10127.6	10161.6	10127.6	10107.2	9991.8	10046.1	9985.0	9978.2	10046.1	9985.0
15°	10324.6	10202.3	10175.2	10107.2	10127.6	10127.6	10073.3	10080.1	10005.3	10046.1	10059.7
17.5°	10283.8	10215.9	10195.5	10114.0	10182.0	10202.3	10100.4	10032.5	10080.1	10073.3	10066.5
20°	10317.8	10345.0	10324.6	10338.2	10365.4	10311.0	10215.9	10120.8	10059.7	10148.0	10141.2
22.5°	10535.2	10508.0	10494.4	10480.8	10528.4	10582.7	10453.7	10304.2	10304.2	10365.4	10392.5
25°	10711.8	10705.0	10698.2	10759.3	10922.3	10922.3	10759.3	10569.1	10521.6	10562.3	10528.4
27.5°	10969.9	11044.6	11017.4	11126.1	11363.8	11418.2	11200.8	10976.7	10847.6	10800.1	10861.2
30°	11560.8	11472.5	11492.9	11608.4	11818.9	11995.5	11662.7	11425.0	11248.4	11241.6	11268.8
32.5°	11954.8	12022.7	12083.9	12192.5	12525.4	12661.2	12260.5	11873.3	11764.6	11703.5	11723.8
35°	12742.7	12681.6	12668.0	12776.7	13109.5	13333.7	12831.0	12491.4	12348.8	12484.6	12484.6
37.5°	13489.9	13320.1	13191.0	13333.7	13639.3	13666.5	13238.6	13055.2	12980.5	13136.7	13129.9
40°	13843.1	13829.5	13530.7	13612.2	14019.7	14060.5	13659.7	13442.4	13428.8	13632.5	13836.3
42.5°	14209.9	14080.8	13782.0	13836.3	14087.6	14101.2	13720.8	13659.7	13809.1	14006.1	14019.7
45°	14271.0	14162.4	13972.2	13836.3	14019.7	14060.5	13836.3	13877.1	13890.7	14128.4	14128.4
47.5°	14393.3	14379.7	14271.0	14169.1	14203.1	14169.1	14026.5	14087.6	14291.4	14406.9	14352.5
50°	14732.9	14590.3	14699.0	14610.7	14617.5	14712.5	14583.5	14644.6	14603.9	14502.0	14434.1
52.5°	15480.1	15412.2	15507.3	15568.4	15636.3	15853.7	15704.3	15378.2	15072.6	14800.9	14794.1
55°	16573.7	16621.2	16804.6	17117.1	17382.0	17728.4	17008.4	16227.3	15738.2	15310.3	15337.5
57.5°	17606.2	17572.2	17823.5	18536.7	19311.1	19487.7	18074.8	16960.9	16166.1	15894.4	15779.0
59°	16777.5	16940.5	17511.1	18305.8	19521.6	19779.8	17932.2	16363.1	15520.9	14970.7	15065.8
60°	15473.3	15534.4	16043.9	17151.1	18794.8	19236.4	16974.4	15439.3	14318.6	13999.3	14142.0
62.5°	10935.9	10888.4	11255.2	12158.6	13632.5	14230.3	12620.5	11540.5	10834.0	10480.8	10562.3
65°	5814.4	6031.7	6181.2	6744.9	7526.1	8157.8	7492.1	7023.4	6629.5	6337.4	6330.6
67.5°	3926.1	3898.9	3932.9	4061.9	4326.8	4503.4	4489.8	4252.1	4218.1	4163.8	4224.9
70°	3307.9	3294.4	3233.2	3233.2	3287.6	3328.3	3375.9	3403.0	3457.4	3525.3	3518.5
72.5°	2683.0	2649.1	2608.3	2587.9	2655.9	2676.2	2737.4	2764.5	2812.1	2805.3	2866.4
75°	1772.8	1772.8	1820.4	1874.7	1895.1	1935.9	1942.7	2024.2	2024.2	2037.7	1983.4
77.5°	991.7	964.5	998.5	1052.8	1100.4	1175.1	1249.8	1311.0	1344.9	1331.3	1331.3
80°	577.4	577.4	611.3	672.5	733.6	801.5	855.9	903.4	937.4	923.8	896.6
82.5°	360.0	360.0	394.0	455.1	502.6	543.4	618.1	679.2	720.0	706.4	672.5
85°	183.4	183.4	224.2	264.9	326.0	353.2	346.4	319.2	312.5	278.5	278.5
87.5°	47.5	47.5	67.9	74.7	61.1	67.9	67.9	67.9	67.9	67.9	74.7
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)