

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: P531499

Luminaire Tested: **GALN-SA6D-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531499  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
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-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31513 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

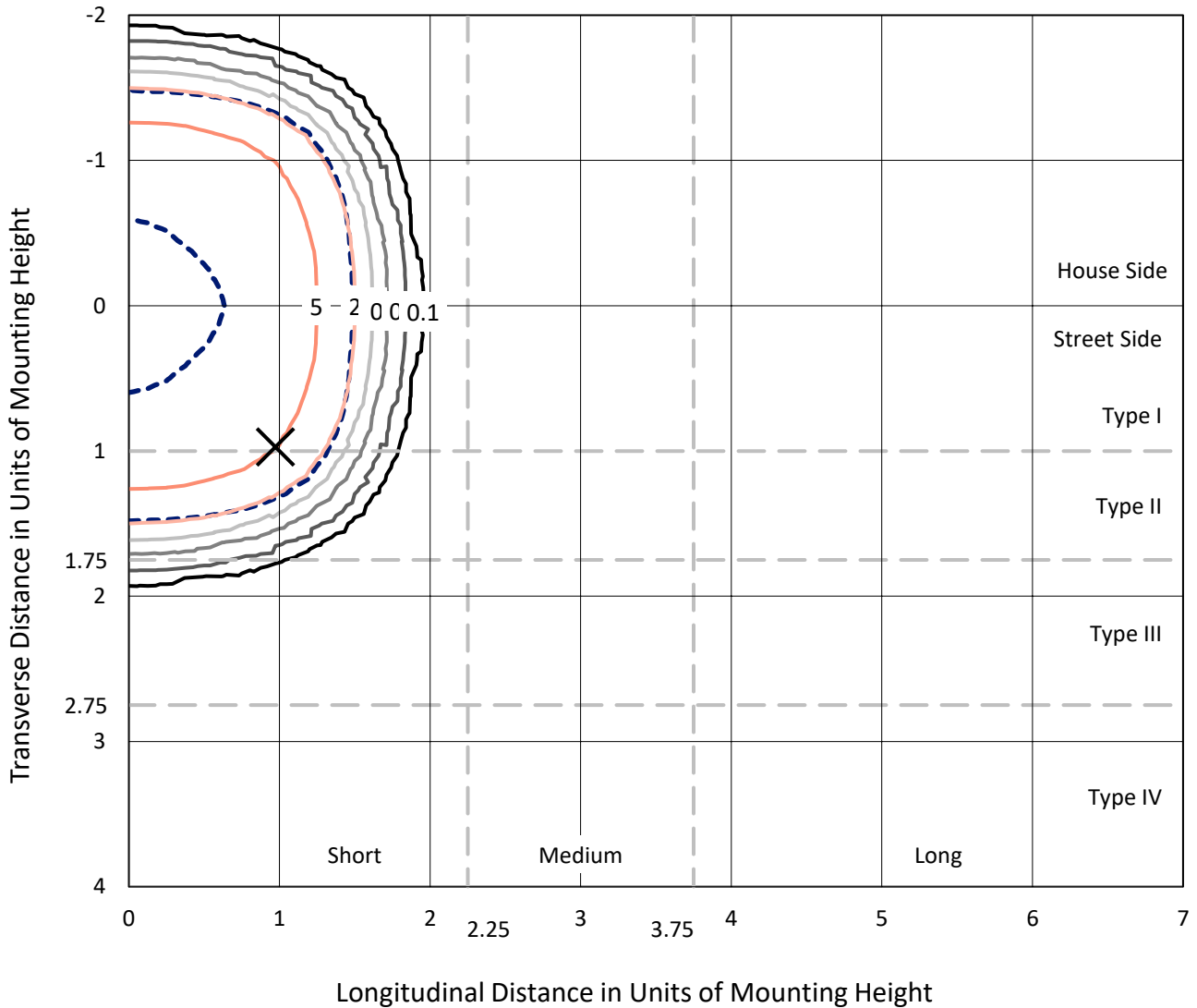
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

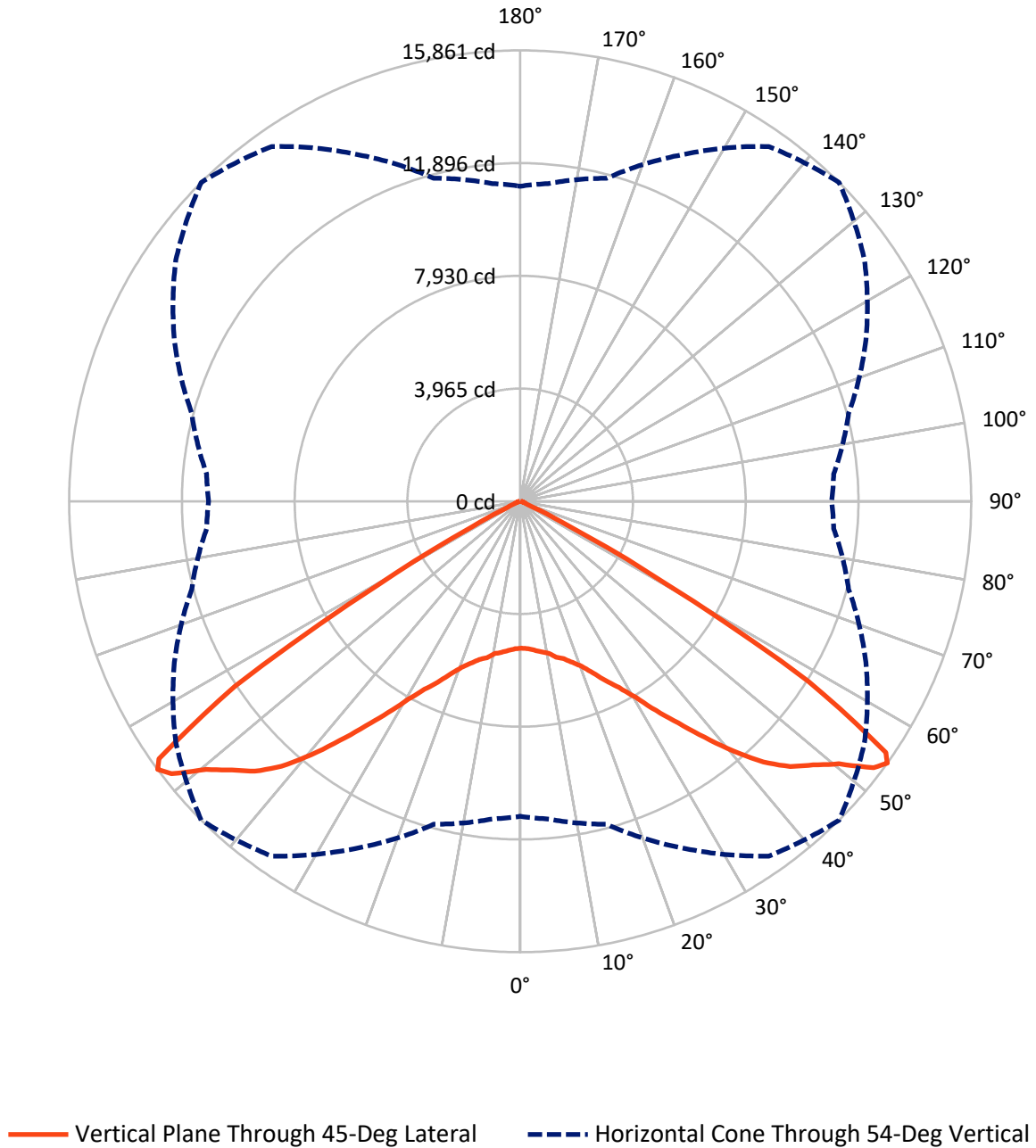
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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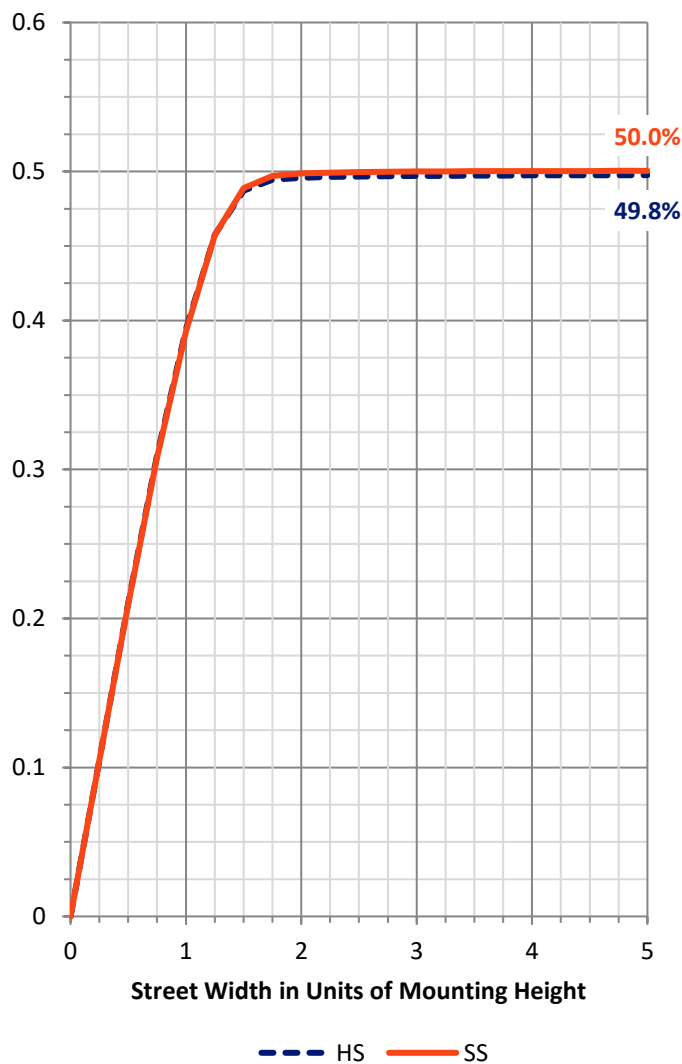
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15756.5	0.0	15756.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15756.5	0.0	15756.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31513.0	0.0	31513.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	505.7	1.6
10°-20°	1637.8	5.2
20°-30°	3210.0	10.2
30°-40°	5772.2	18.3
40°-50°	9880.8	31.4
50°-60°	9560.7	30.3
60°-70°	818.4	2.6
70°-80°	97.0	0.3
80°-90°	30.4	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°	31513.0	100.0
0°-180°	31513.0	100.0

**Coefficient of Utilization**



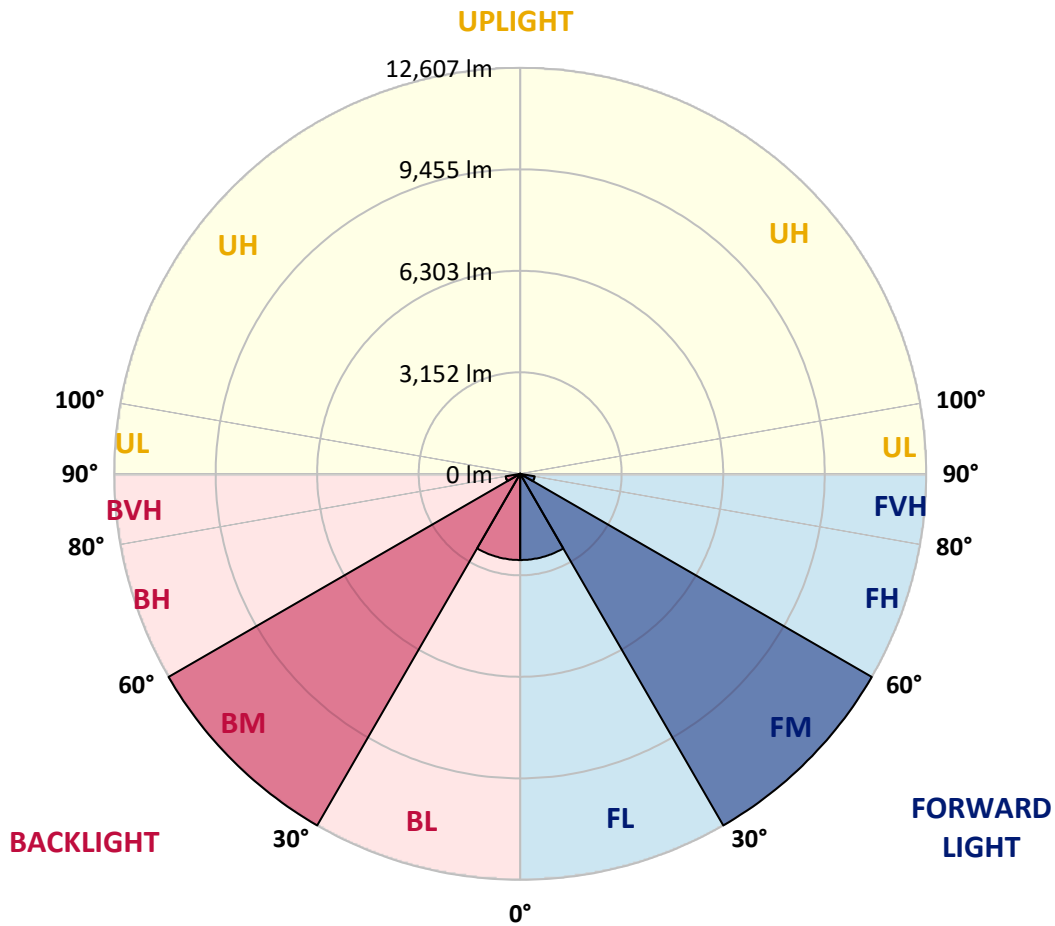
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2676.7	8.5			
FM (30°-60°)	12606.8	40.0			
FH (60°-80°)	457.7	1.5			G0/660
FVH (80°-90°)	15.2	0.0			G1/100
BL (0°-30°)	2676.7	8.5	B4/5000		
BM (30°-60°)	12606.8	40.0	B5		
BH (60°-80°)	457.7	1.5	B1/500		G0/660
BVH (80°-90°)	15.2	0.0			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°	5167.2	5167.2	5167.2	5167.2	5167.2	5167.2	5167.2	5167.2	5167.2	5167.2	5167.2
2.5°	5192.1	5222.1	5202.1	5217.1	5217.1	5192.1	5207.1	5147.2	5187.1	5157.2	5162.2
5°	5272.0	5267.0	5267.0	5272.0	5252.0	5262.0	5242.0	5222.1	5207.1	5187.1	5247.0
7.5°	5371.8	5371.8	5336.9	5346.9	5336.9	5351.9	5311.9	5272.0	5257.0	5242.0	5232.1
10°	5466.7	5456.7	5441.7	5486.7	5451.7	5431.7	5411.8	5386.8	5331.9	5311.9	5292.0
12.5°	5606.5	5601.5	5581.5	5626.5	5606.5	5626.5	5551.6	5486.7	5476.7	5411.8	5446.7
15°	5771.2	5816.2	5781.2	5781.2	5771.2	5746.3	5716.3	5686.4	5596.5	5571.5	5576.5
17.5°	5985.9	5970.9	5975.9	5975.9	6025.8	5960.9	5901.0	5826.1	5781.2	5766.2	5716.3
20°	6190.6	6210.6	6205.6	6240.5	6270.5	6200.6	6135.7	6125.7	6000.9	6020.9	5951.0
22.5°	6550.0	6535.1	6560.0	6585.0	6565.0	6555.0	6495.1	6420.2	6310.4	6260.5	6250.5
25°	6929.5	6904.5	6859.6	6919.5	6949.4	6994.4	6879.5	6839.6	6669.9	6595.0	6600.0
27.5°	7254.0	7288.9	7338.9	7363.8	7438.7	7423.7	7343.8	7214.0	7084.2	6999.4	6944.5
30°	7698.3	7718.3	7803.1	7838.1	7967.9	8002.8	7878.0	7728.3	7498.6	7388.8	7323.9
32.5°	8107.7	8247.5	8242.5	8417.2	8626.9	8771.7	8547.0	8317.4	8087.7	7957.9	7843.1
35°	8771.7	8746.7	8891.5	9076.2	9415.7	9580.4	9335.8	9071.2	8721.8	8512.1	8422.2
37.5°	9390.7	9400.7	9595.4	9890.0	10279.4	10534.0	10319.3	9885.0	9525.5	9255.9	9131.1
40°	10289.4	10309.3	10509.0	10843.5	11282.9	11557.4	11307.8	10868.5	10389.2	10179.5	10179.5
42.5°	11342.8	11427.6	11557.4	11847.0	12241.4	12545.9	12321.3	11976.8	11492.5	11223.0	11262.9
45°	12426.1	12466.1	12550.9	12980.3	13165.0	13314.8	13105.1	12945.3	12620.8	12291.3	12236.4
47.5°	13439.6	13454.6	13704.2	13839.0	13983.8	13858.9	13993.7	13784.1	13419.6	13100.1	13035.2
50°	13888.9	13863.9	14218.4	14627.8	14737.6	14517.9	14403.1	14263.3	13709.2	13324.8	13155.0
52.5°	12580.9	12725.7	13384.7	14522.9	15381.6	15566.4	14897.4	14253.3	13219.9	12471.1	12356.2
54°	11083.2	11218.0	11762.1	13449.6	15236.9	15860.9	14782.5	13414.6	11956.8	11068.2	10953.4
55°	9600.4	9450.6	10439.1	12161.5	14557.9	15601.3	14328.2	12331.3	10663.8	9850.0	9690.3
57.5°	5197.1	5222.1	6055.8	7683.3	10229.5	11961.8	10564.0	8342.3	6300.4	5386.8	5306.9
60°	1647.5	1687.4	2051.9	3105.3	4887.6	5836.1	5002.4	3349.9	2316.5	1857.2	1782.3
62.5°	514.2	534.2	584.1	868.7	1338.0	1912.1	1497.7	898.6	669.0	614.1	624.1
65°	314.5	314.5	319.5	339.5	399.4	464.3	449.3	394.4	379.4	369.4	364.4
67.5°	204.7	199.7	209.7	224.7	234.6	239.6	254.6	269.6	264.6	254.6	254.6
70°	124.8	119.8	129.8	149.8	154.8	164.7	179.7	199.7	194.7	184.7	189.7
72.5°	69.9	69.9	74.9	89.9	104.8	114.8	129.8	144.8	149.8	144.8	144.8
75°	25.0	30.0	39.9	54.9	64.9	79.9	94.9	109.8	124.8	114.8	109.8
77.5°	10.0	10.0	20.0	34.9	49.9	64.9	89.9	104.8	114.8	104.8	94.9
80°	5.0	5.0	15.0	30.0	44.9	59.9	74.9	89.9	94.9	84.9	74.9
82.5°	5.0	5.0	15.0	30.0	44.9	54.9	79.9	89.9	99.8	89.9	74.9
85°	0.0	5.0	15.0	30.0	39.9	44.9	44.9	30.0	25.0	15.0	15.0
87.5°	0.0	0.0	5.0	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)