

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: P531422

Luminaire Tested: **GALN-SA6D-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA6D-727-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34556 lumens  
Efficiency: N/A  
Efficacy: 93.9 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): 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



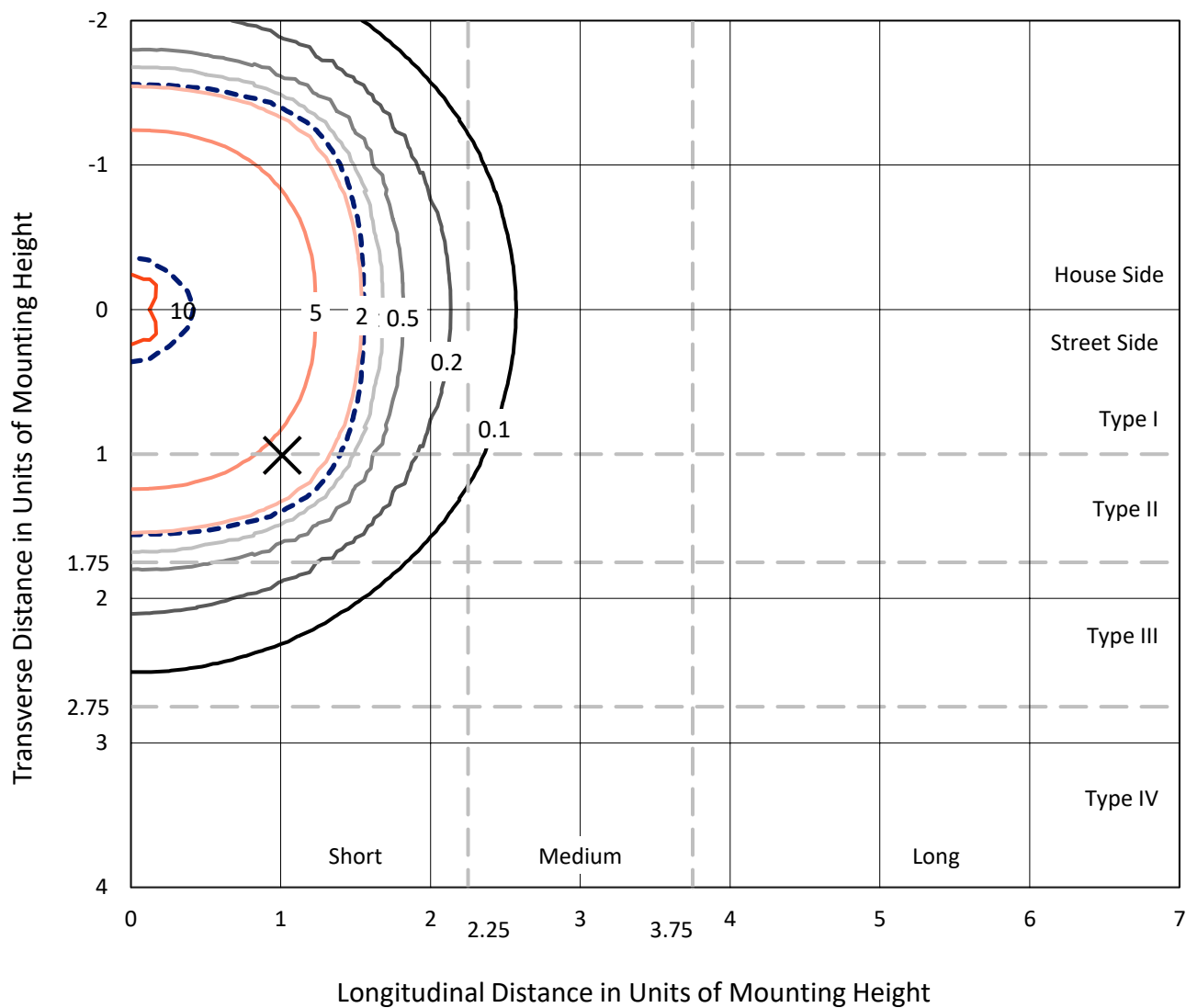
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

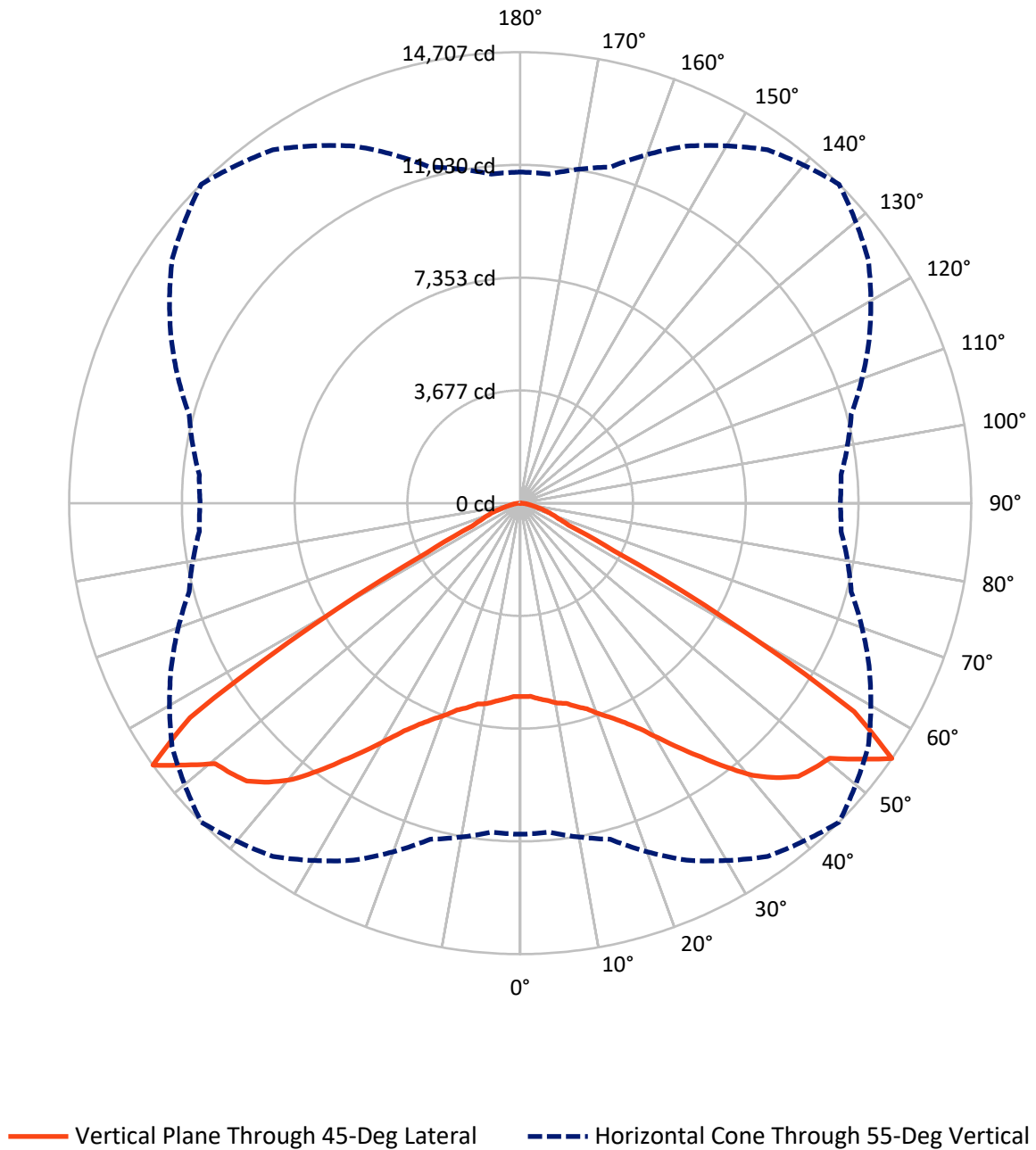
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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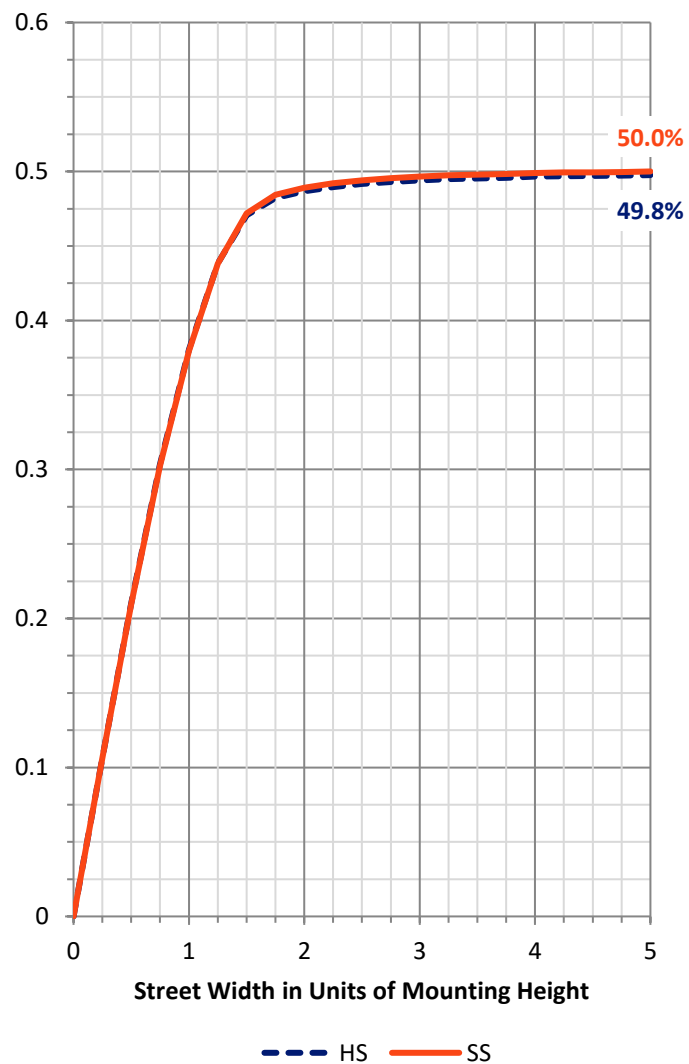
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17278.0	0.0	17278.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17278.0	0.0	17278.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34556.0	0.0	34556.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.4	1.8
10°-20°	1953.0	5.7
20°-30°	3641.7	10.5
30°-40°	6097.3	17.6
40°-50°	9487.9	27.5
50°-60°	9851.5	28.5
60°-70°	2089.2	6.0
70°-80°	688.0	2.0
80°-90°	131.0	0.4
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°	34556.0	100.0
0°-180°	34556.0	100.0

**Coefficient of Utilization**



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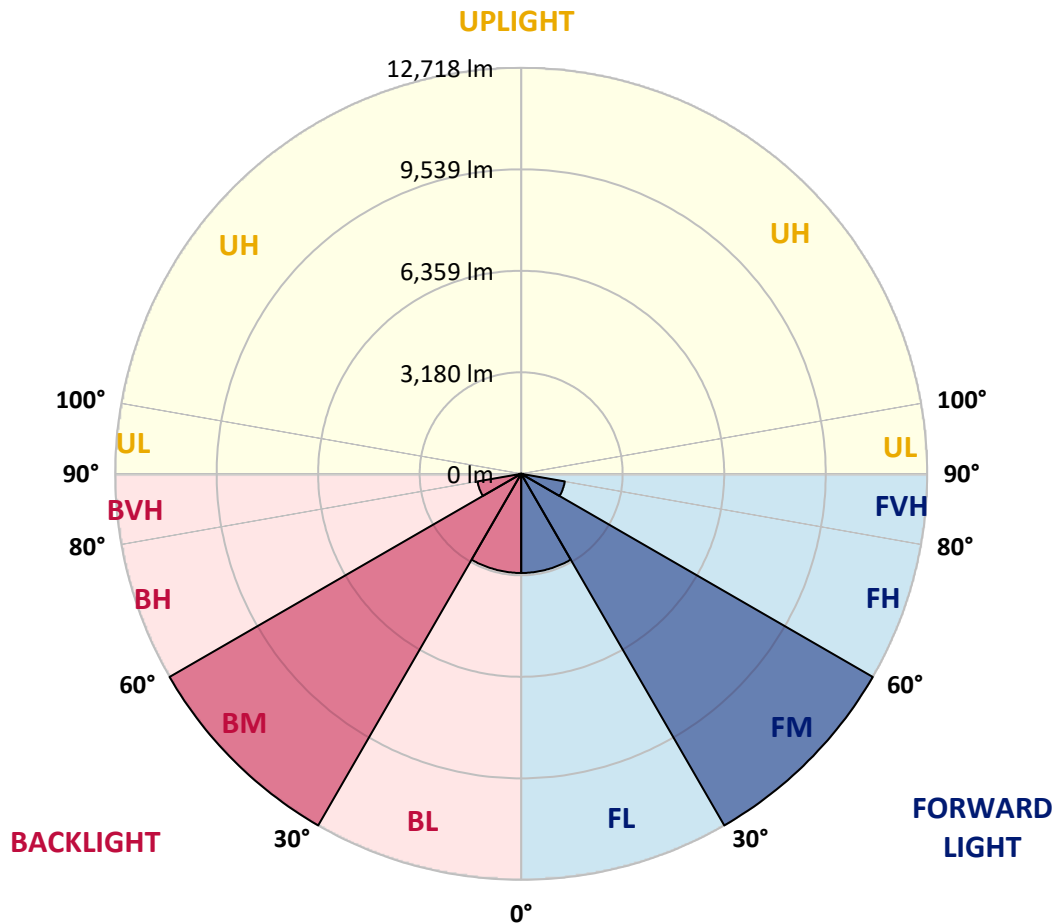
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3105.5	9.0			
FM	(30°-60°)	12718.4	36.8			
FH	(60°-80°)	1388.6	4.0			G1/1800
FVH	(80°-90°)	65.5	0.2			G1/100
BL	(0°-30°)	3105.5	9.0	B4/5000		
BM	(30°-60°)	12718.4	36.8	B5		
BH	(60°-80°)	1388.6	4.0	B3/2500		G1/1800
BVH	(80°-90°)	65.5	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°	6309.4	6309.4	6309.4	6309.4	6309.4	6309.4	6309.4	6309.4	6309.4	6309.4	6309.4
2.5°	6384.6	6355.3	6305.2	6342.8	6372.0	6309.4	6334.5	6347.0	6338.6	6305.2	6317.8
5°	6476.4	6459.7	6418.0	6447.2	6409.6	6409.6	6384.6	6351.2	6401.3	6392.9	6413.8
7.5°	6476.4	6455.6	6539.1	6484.8	6501.5	6501.5	6459.7	6426.3	6451.4	6413.8	6392.9
10°	6605.9	6635.1	6597.5	6610.1	6601.7	6630.9	6568.3	6547.4	6526.5	6514.0	6489.0
12.5°	6760.4	6739.5	6752.0	6743.7	6772.9	6697.7	6660.2	6614.2	6651.8	6597.5	6635.1
15°	6885.7	6873.1	6885.7	6919.1	6889.8	6885.7	6818.8	6772.9	6714.4	6727.0	6668.5
17.5°	7056.9	7044.3	7048.5	7077.7	7073.6	7052.7	7002.6	6914.9	6894.0	6860.6	6823.0
20°	7311.6	7290.7	7282.3	7294.9	7315.7	7332.4	7232.2	7198.8	7127.8	7073.6	7010.9
22.5°	7528.7	7520.3	7553.8	7499.5	7545.4	7595.5	7499.5	7482.8	7307.4	7278.2	7211.4
25°	7829.3	7816.8	7795.9	7875.3	7929.6	7925.4	7833.5	7741.7	7608.0	7574.6	7574.6
27.5°	8146.7	8075.7	8184.3	8205.2	8301.2	8330.4	8251.1	8117.5	7992.2	7921.2	7937.9
30°	8543.4	8476.6	8501.6	8652.0	8777.2	8885.8	8685.4	8489.1	8313.7	8188.5	8167.6
32.5°	8940.1	8873.3	8948.4	9094.6	9345.1	9508.0	9311.7	8969.3	8764.7	8581.0	8618.5
35°	9261.6	9311.7	9432.8	9654.1	9913.0	10176.1	9862.9	9599.8	9307.5	9102.9	9132.2
37.5°	9779.4	9933.9	10029.9	10284.6	10652.1	10923.5	10597.8	10255.4	9942.2	9675.0	9583.1
40°	10455.8	10560.2	10668.8	10969.4	11403.7	11675.1	11366.1	10919.3	10610.3	10334.7	10322.2
42.5°	11199.1	11299.3	11412.1	11779.5	12038.4	12243.0	11959.1	11721.1	11378.7	11161.5	11149.0
45°	12063.5	11992.5	12117.7	12359.9	12577.1	12710.7	12527.0	12410.0	12163.7	11963.2	11942.4
47.5°	12639.7	12577.1	12802.5	13019.7	13053.1	12906.9	12944.5	13053.1	12794.2	12464.3	12568.7
50°	12973.8	12973.8	13124.1	13324.5	13261.9	13074.0	13370.4	13378.8	13119.9	12827.6	12827.6
52.5°	12393.3	12522.8	12948.7	13604.3	13813.1	13867.3	13800.5	13516.6	12840.1	12243.0	12213.8
55°	10798.2	10769.0	11345.2	12848.5	14063.6	14706.6	13854.8	12547.8	11174.0	10501.8	10435.0
57.5°	7023.4	7056.9	7917.0	9449.5	11641.7	12840.1	11403.7	9566.4	7917.0	6990.0	7077.7
60°	3161.0	3273.7	3795.7	4939.8	6823.0	7800.1	6839.7	5190.3	3983.6	3457.4	3503.4
62.5°	1816.4	1837.3	1858.2	2204.7	2906.3	3436.6	3019.0	2330.0	2054.4	1962.6	1962.6
65°	1532.5	1519.9	1524.1	1553.3	1628.5	1737.1	1691.1	1628.5	1636.9	1628.5	1616.0
67.5°	1302.8	1319.5	1307.0	1327.9	1332.0	1348.7	1378.0	1403.0	1407.2	1415.5	1407.2
70°	1069.0	1073.1	1081.5	1098.2	1102.4	1114.9	1156.7	1177.5	1190.1	1190.1	1206.8
72.5°	818.4	814.3	822.6	839.3	860.2	864.4	901.9	931.2	947.9	927.0	931.2
75°	538.7	542.8	555.4	567.9	597.1	626.3	638.9	668.1	672.3	680.6	659.8
77.5°	321.5	329.9	342.4	367.5	392.5	417.6	446.8	467.7	476.0	467.7	442.6
80°	208.8	208.8	225.5	246.4	275.6	296.5	313.2	329.9	342.4	329.9	321.5
82.5°	129.4	129.4	150.3	175.4	196.3	208.8	233.8	254.7	267.2	258.9	246.4
85°	66.8	71.0	87.7	108.6	125.3	133.6	129.4	116.9	104.4	100.2	91.9
87.5°	20.9	20.9	25.1	25.1	20.9	20.9	25.1	20.9	25.1	25.1	25.1
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)