

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: P529634

Luminaire Tested: **GALN-SA4D-740-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529634  
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-SA4D-740-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 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: 26815 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

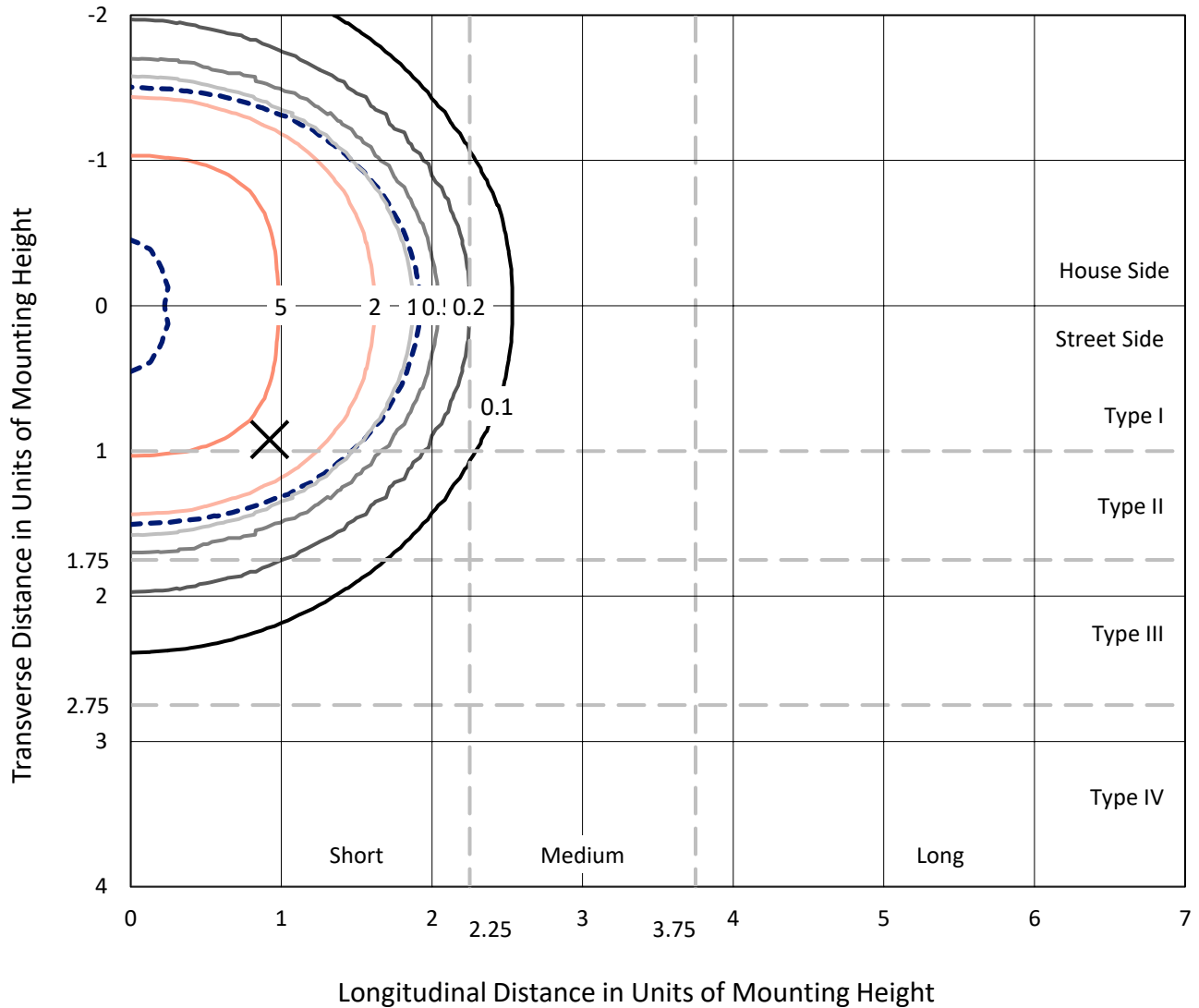
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

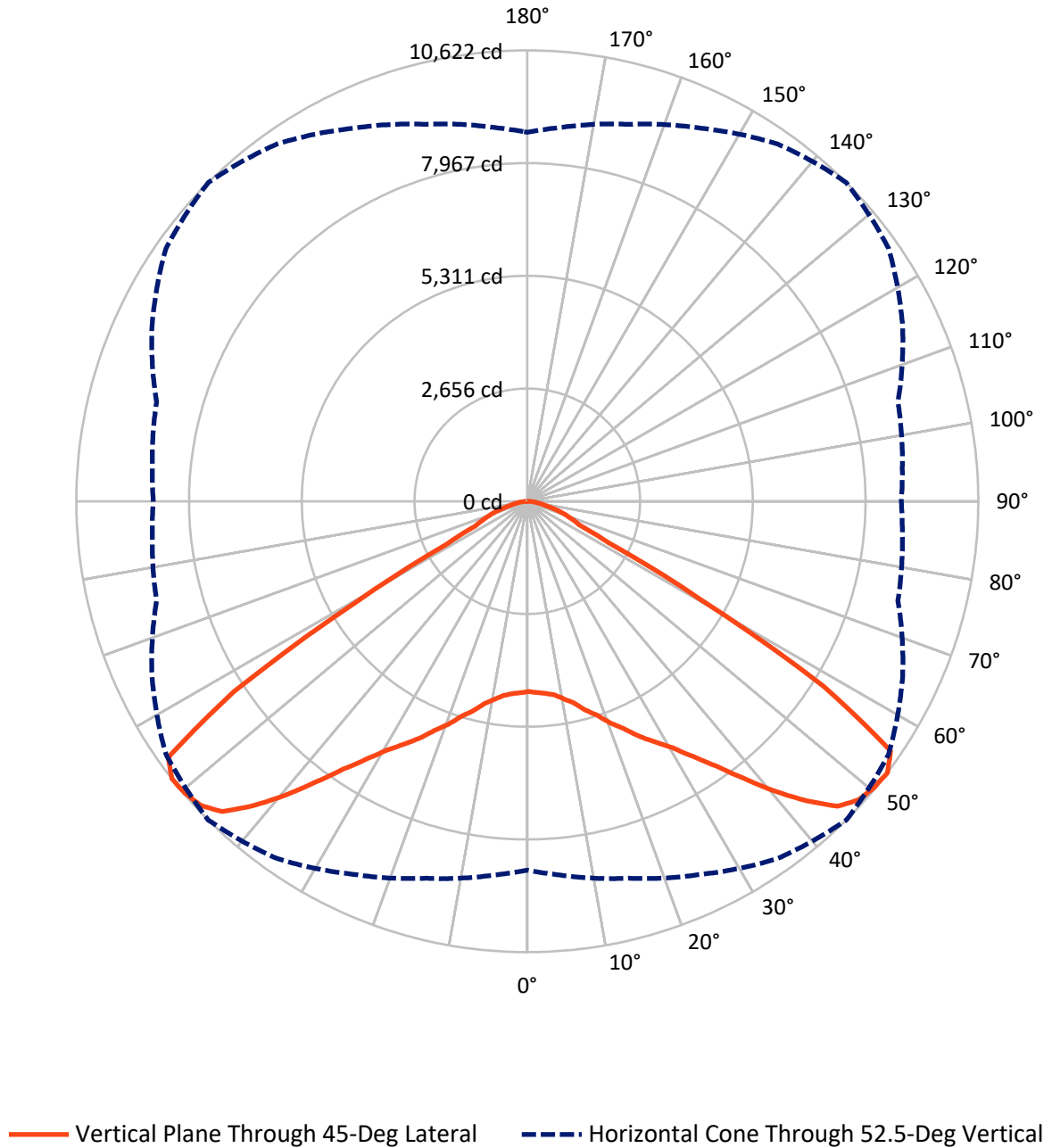
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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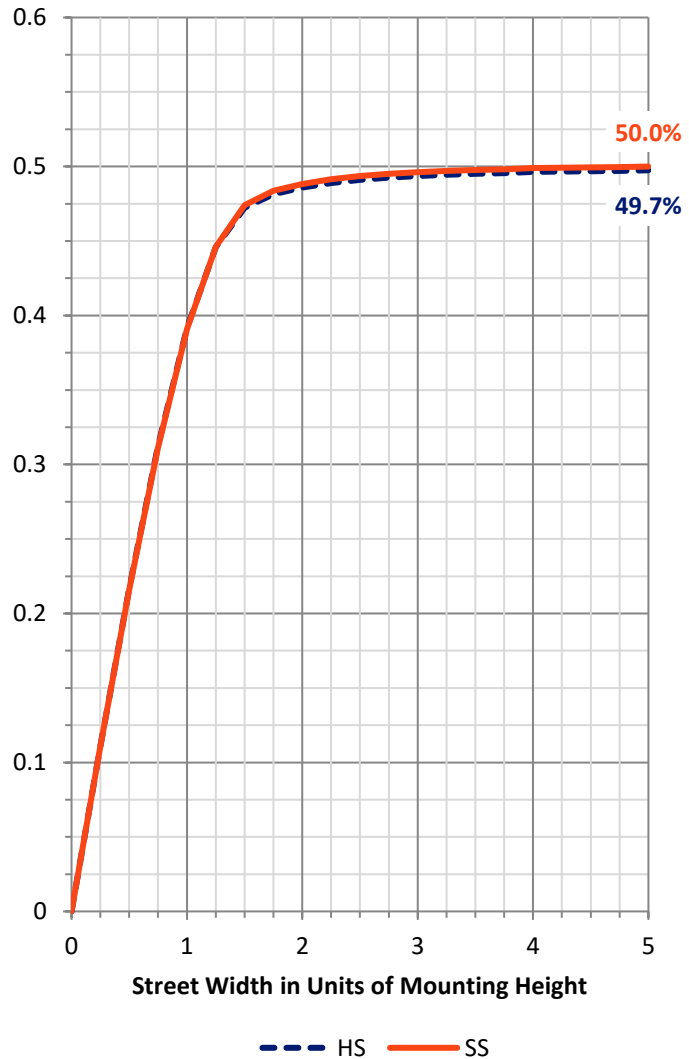
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13407.5	0.0	13407.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13407.5	0.0	13407.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26815.0	0.0	26815.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.4	1.6
10°-20°	1447.1	5.4
20°-30°	2755.1	10.3
30°-40°	4730.6	17.6
40°-50°	7271.1	27.1
50°-60°	7383.7	27.5
60°-70°	2057.7	7.7
70°-80°	607.0	2.3
80°-90°	122.3	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°	26815.0	100.0
0°-180°	26815.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P529634

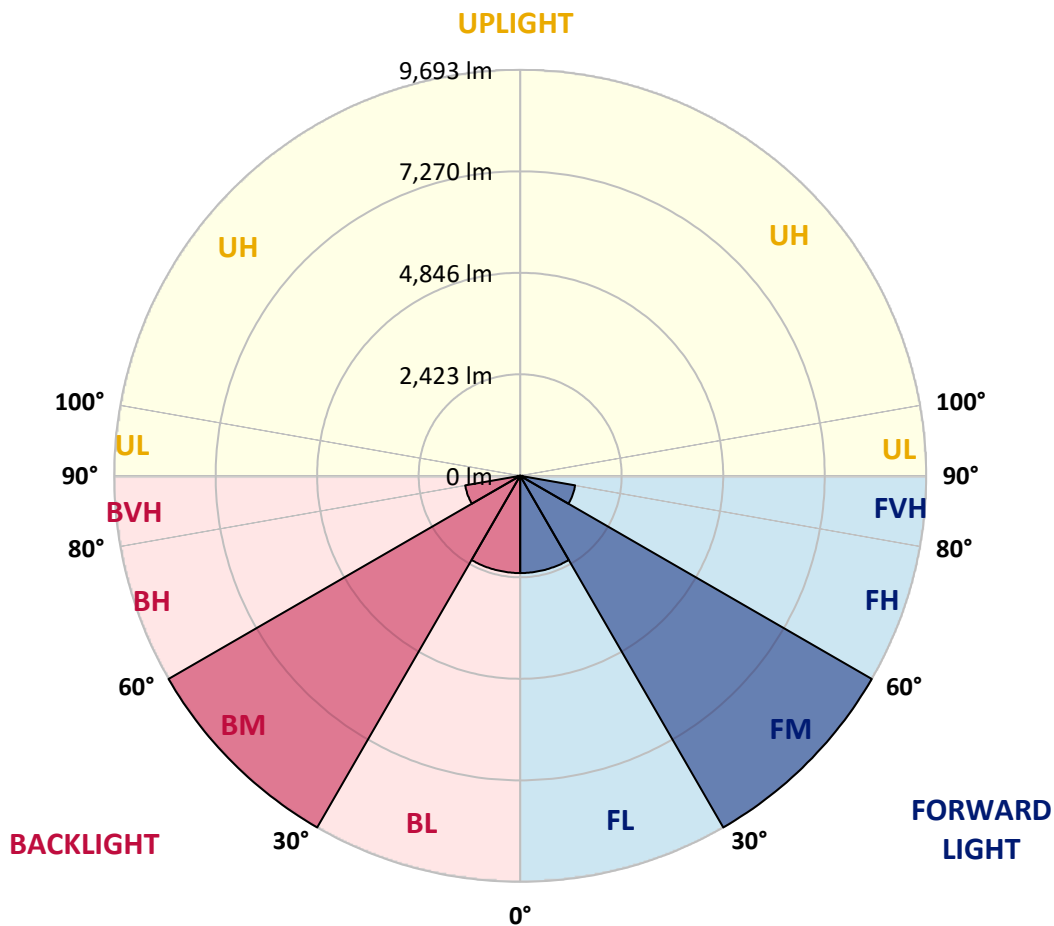
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2321.3	8.7			
FM (30°-60°)	9692.7	36.1			
FH (60°-80°)	1332.4	5.0			G1/1800
FVH (80°-90°)	61.1	0.2			G1/100
BL (0°-30°)	2321.3	8.7	B3/2500		
BM (30°-60°)	9692.7	36.1	B5		
BH (60°-80°)	1332.4	5.0	B3/2500		G1/1800
BVH (80°-90°)	61.1	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°	4482.5	4482.5	4482.5	4482.5	4482.5	4482.5	4482.5	4482.5	4482.5	4482.5	4482.5
2.5°	4492.5	4445.9	4462.5	4472.5	4515.8	4512.4	4502.4	4515.8	4529.1	4532.4	4525.7
5°	4489.1	4455.9	4469.2	4479.2	4522.4	4545.7	4539.1	4595.6	4635.6	4625.6	4675.5
7.5°	4462.5	4482.5	4465.8	4515.8	4552.4	4608.9	4668.8	4722.1	4772.0	4828.6	4838.5
10°	4522.4	4522.4	4552.4	4592.3	4688.8	4732.1	4818.6	4895.1	4991.6	5058.2	5031.6
12.5°	4585.6	4595.6	4595.6	4698.8	4778.7	4875.2	4955.0	5058.2	5194.6	5274.5	5314.4
15°	4648.9	4655.5	4688.8	4828.6	4948.4	5101.4	5174.7	5267.8	5344.4	5494.1	5497.4
17.5°	4705.4	4742.0	4841.9	4998.3	5148.0	5294.5	5410.9	5507.4	5574.0	5633.9	5620.6
20°	4918.4	4945.0	5048.2	5204.6	5427.6	5570.7	5610.6	5627.2	5670.5	5790.3	5753.7
22.5°	5124.7	5134.7	5231.2	5470.8	5627.2	5816.9	5860.2	5850.2	5866.8	5896.8	5950.0
25°	5337.7	5354.4	5487.5	5690.5	5910.1	6136.4	6173.0	6096.4	6073.1	6106.4	6109.8
27.5°	5610.6	5613.9	5783.6	5960.0	6209.6	6422.6	6479.1	6419.2	6309.4	6336.0	6379.3
30°	5956.7	5933.4	6103.1	6356.0	6618.9	6738.7	6835.2	6805.3	6685.5	6662.2	6625.6
32.5°	6356.0	6362.7	6515.7	6791.9	6965.0	7164.6	7267.8	7217.9	7141.4	7101.4	7124.7
35°	6918.4	6948.3	7051.5	7281.1	7560.7	7660.5	7823.5	7717.1	7517.4	7567.3	7610.6
37.5°	7381.0	7467.5	7660.5	7933.4	8099.7	8282.8	8342.7	8199.6	8053.2	7993.3	8136.4
40°	8089.8	8063.1	8276.1	8549.0	8795.2	8978.3	8901.7	8758.6	8395.9	8399.2	8439.2
42.5°	8698.7	8712.1	8875.1	9201.2	9537.3	9650.5	9407.6	9058.1	8655.5	8612.2	8698.7
45°	9211.2	9264.5	9357.6	9793.6	10123.0	10246.1	9796.9	9384.3	8845.2	8665.5	8808.6
47.5°	9394.2	9480.8	9683.8	10083.1	10409.2	10509.0	10149.6	9557.3	9021.5	8728.7	8805.2
50°	9420.9	9390.9	9723.7	10089.7	10375.9	10592.2	10276.1	9683.8	8978.3	8825.2	8801.9
52.5°	8692.1	8838.5	9194.6	9697.1	10276.1	10622.2	10389.2	9753.6	9038.2	8865.1	8808.6
55°	7034.9	6861.8	7510.7	8356.0	9420.9	10382.6	10349.3	9790.2	9074.8	8931.7	8855.1
57.5°	3926.7	3976.7	4342.7	5261.2	6635.5	8232.9	9201.2	9404.2	9058.1	8974.9	9014.9
60°	1817.0	1833.6	1990.0	2419.3	3271.2	4668.8	5943.4	7237.9	7833.5	7953.3	7953.3
62.5°	1354.4	1347.7	1387.7	1464.2	1643.9	2146.4	2865.2	3893.5	4712.1	5284.5	5434.2
65°	1224.6	1221.3	1241.3	1267.9	1281.2	1351.1	1510.8	1826.9	2093.2	2246.2	2219.6
67.5°	1071.5	1068.2	1074.9	1091.5	1114.8	1151.4	1191.3	1257.9	1351.1	1344.4	1327.8
70°	865.2	865.2	875.2	888.5	915.1	958.4	1005.0	1051.6	1131.4	1148.1	1144.7
72.5°	638.9	628.9	648.9	675.5	702.2	755.4	805.3	848.6	905.1	921.8	915.1
75°	406.0	412.6	426.0	455.9	502.5	539.1	592.3	628.9	665.6	678.9	682.2
77.5°	226.3	232.9	256.2	292.8	339.4	379.4	426.0	455.9	479.2	482.5	485.9
80°	136.4	139.8	163.1	196.3	236.3	279.5	316.1	346.1	366.1	356.1	352.7
82.5°	83.2	86.5	106.5	136.4	169.7	203.0	242.9	269.5	289.5	276.2	262.9
85°	43.3	46.6	63.2	83.2	109.8	126.5	126.5	113.1	109.8	103.2	99.8
87.5°	13.3	13.3	16.6	20.0	16.6	20.0	23.3	26.6	26.6	29.9	26.6
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)