

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: P527782

Luminaire Tested: **GALN-SA2D-750-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527782  
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-SA2D-750-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 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: 14012 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

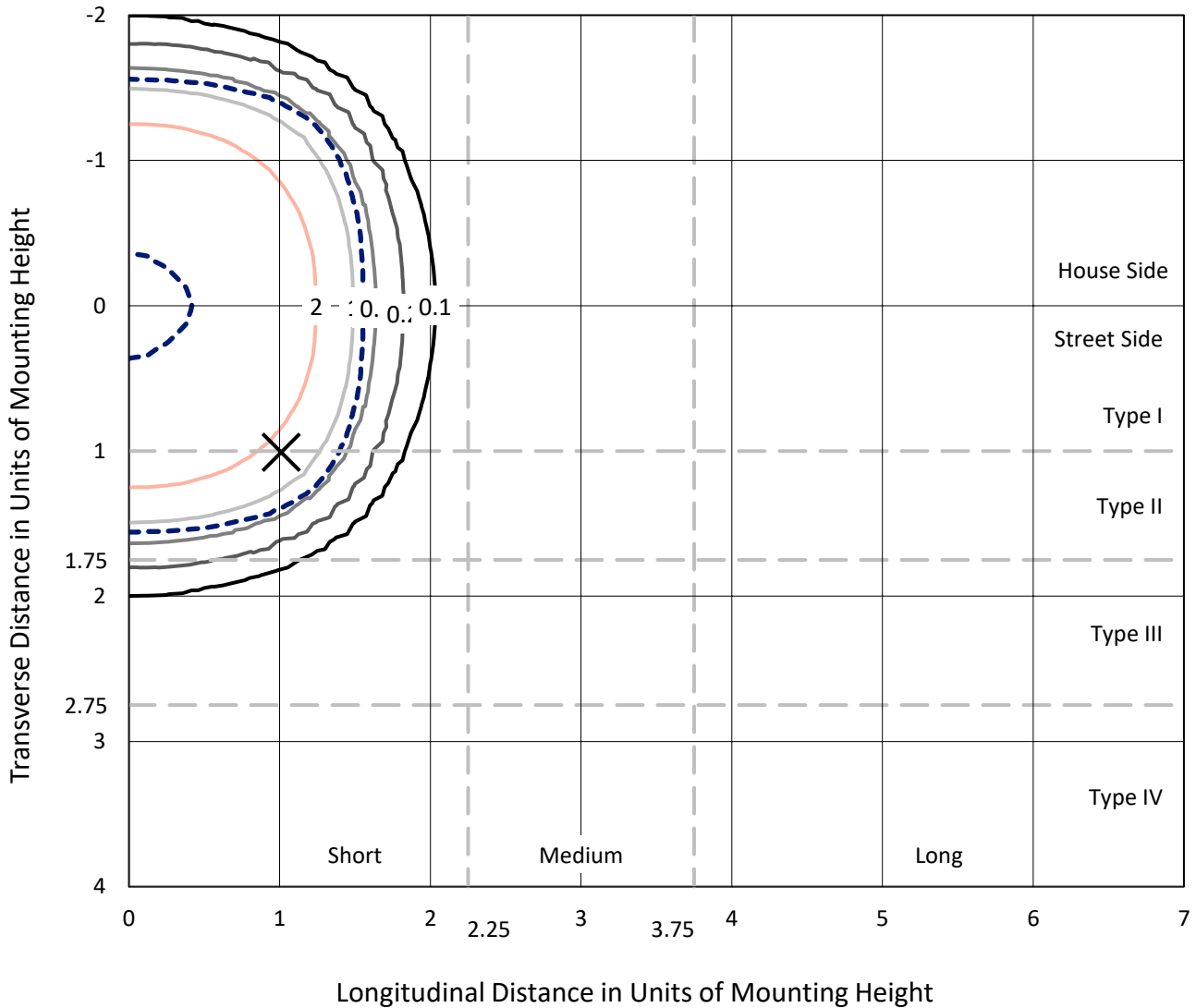
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

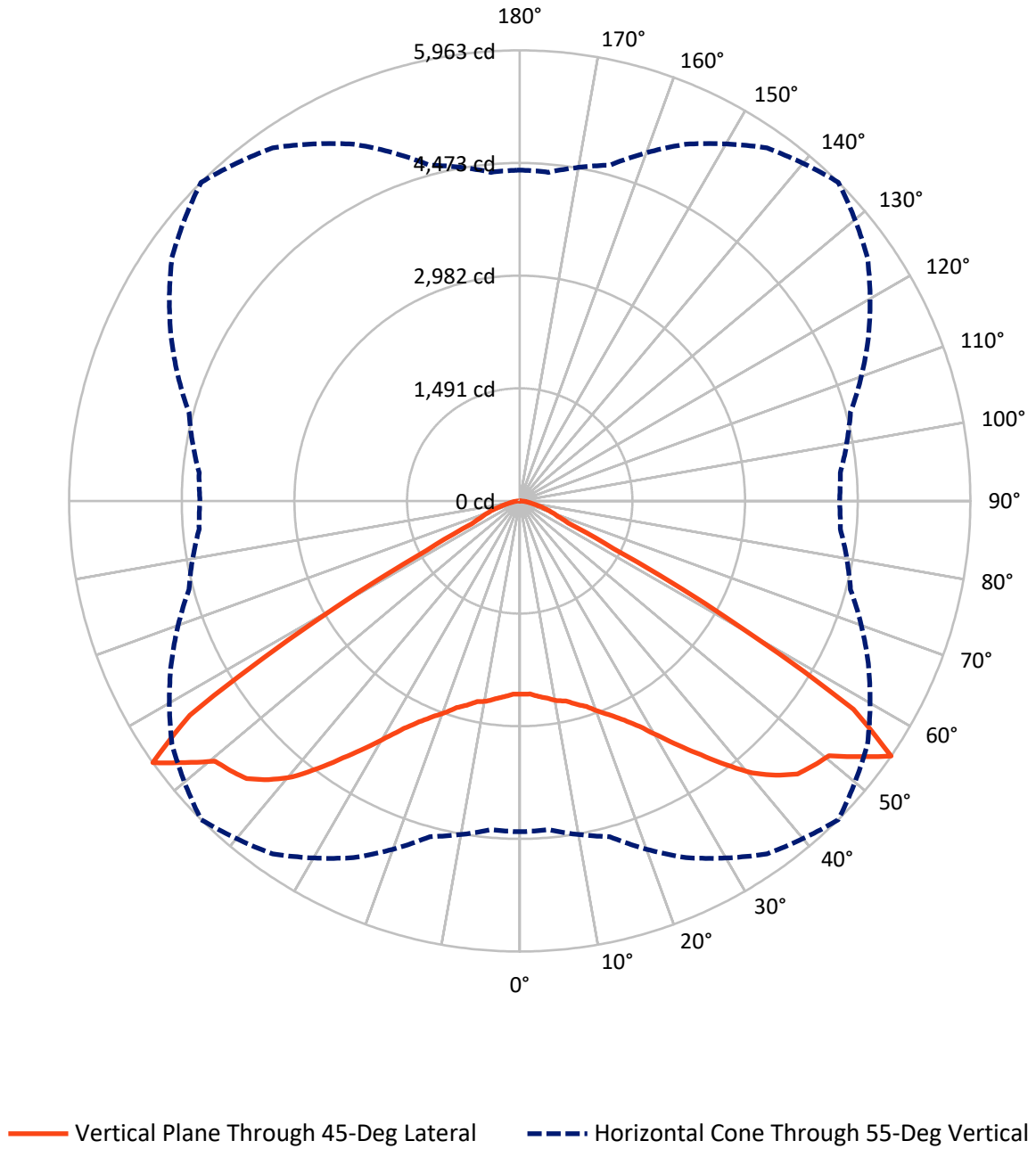
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	7006.0	0.0	7006.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7006.0	0.0	7006.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14012.0	0.0	14012.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.9	1.8
10°-20°	791.9	5.7
20°-30°	1476.6	10.5
30°-40°	2472.4	17.6
40°-50°	3847.2	27.5
50°-60°	3994.6	28.5
60°-70°	847.1	6.0
70°-80°	279.0	2.0
80°-90°	53.1	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°	14012.0	100.0
0°-180°	14012.0	100.0

**Coefficient of Utilization**



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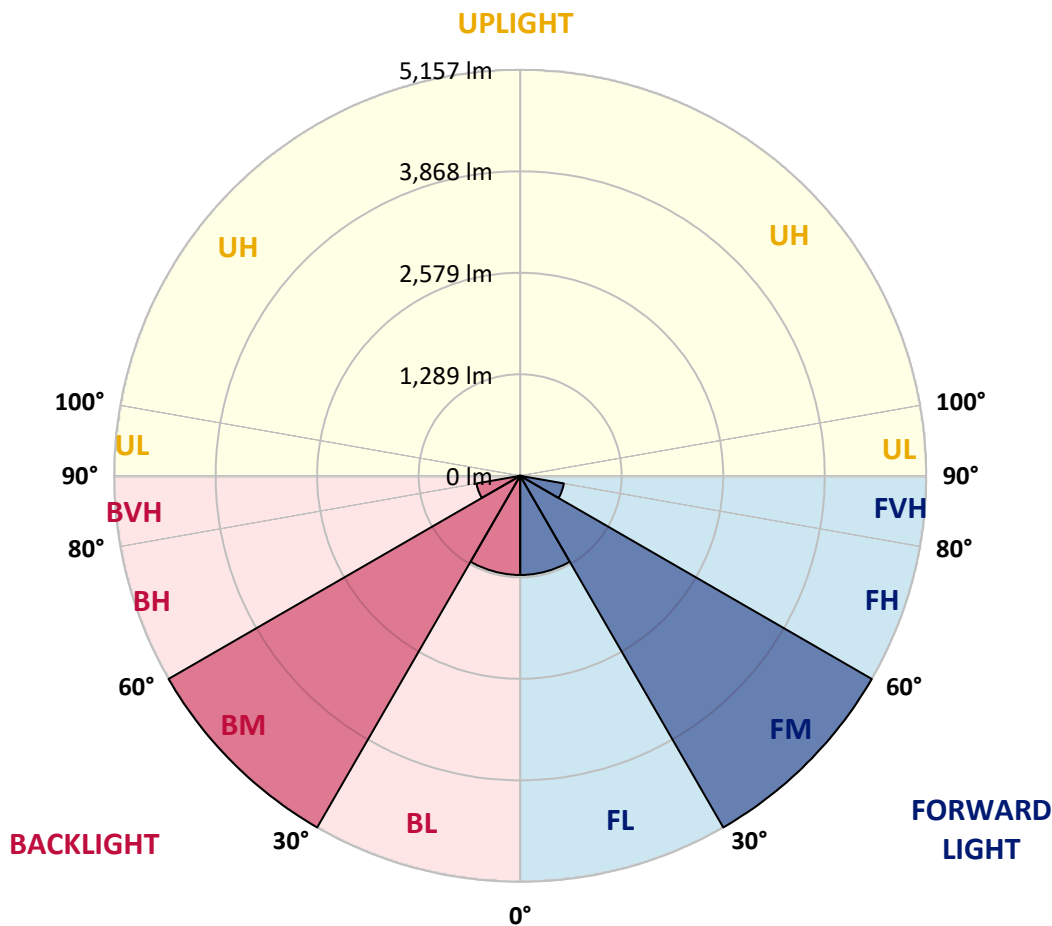
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1259.2	9.0			
FM (30°-60°)	5157.1	36.8			
FH (60°-80°)	563.1	4.0			G0/660
FVH (80°-90°)	26.6	0.2			G1/100
BL (0°-30°)	1259.2	9.0	B3/2500		
BM (30°-60°)	5157.1	36.8	B4/8500		
BH (60°-80°)	563.1	4.0	B2/1000		G0/660
BVH (80°-90°)	26.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2558.4	2558.4	2558.4	2558.4	2558.4	2558.4	2558.4	2558.4	2558.4	2558.4	2558.4
2.5°	2588.9	2577.0	2556.7	2571.9	2583.8	2558.4	2568.5	2573.6	2570.2	2556.7	2561.8
5°	2626.1	2619.3	2602.4	2614.3	2599.0	2599.0	2588.9	2575.3	2595.6	2592.2	2600.7
7.5°	2626.1	2617.6	2651.5	2629.5	2636.3	2636.3	2619.3	2605.8	2616.0	2600.7	2592.2
10°	2678.6	2690.4	2675.2	2680.3	2676.9	2688.8	2663.4	2654.9	2646.4	2641.3	2631.2
12.5°	2741.2	2732.8	2737.9	2734.5	2746.3	2715.8	2700.6	2682.0	2697.2	2675.2	2690.4
15°	2792.0	2787.0	2792.0	2805.6	2793.7	2792.0	2764.9	2746.3	2722.6	2727.7	2704.0
17.5°	2861.5	2856.4	2858.1	2869.9	2868.2	2859.8	2839.4	2803.9	2795.4	2781.9	2766.6
20°	2964.7	2956.3	2952.9	2958.0	2966.4	2973.2	2932.6	2919.0	2890.2	2868.2	2842.8
22.5°	3052.8	3049.4	3062.9	3040.9	3059.6	3079.9	3040.9	3034.2	2963.1	2951.2	2924.1
25°	3174.7	3169.6	3161.2	3193.3	3215.3	3213.6	3176.4	3139.1	3085.0	3071.4	3071.4
27.5°	3303.4	3274.6	3318.6	3327.1	3366.0	3377.9	3345.7	3291.5	3240.7	3211.9	3218.7
30°	3464.2	3437.1	3447.3	3508.3	3559.0	3603.1	3521.8	3442.2	3371.1	3320.3	3311.8
32.5°	3625.1	3598.0	3628.5	3687.7	3789.3	3855.4	3775.8	3636.9	3554.0	3479.5	3494.7
35°	3755.5	3775.8	3824.9	3914.6	4019.6	4126.3	3999.3	3892.6	3774.1	3691.1	3703.0
37.5°	3965.4	4028.1	4067.0	4170.3	4319.3	4429.3	4297.3	4158.4	4031.4	3923.1	3885.8
40°	4239.7	4282.0	4326.1	4448.0	4624.1	4734.1	4608.8	4427.6	4302.3	4190.6	4185.5
42.5°	4541.1	4581.7	4627.4	4776.4	4881.4	4964.4	4849.2	4752.7	4613.9	4525.8	4520.8
45°	4891.6	4862.8	4913.6	5011.8	5099.8	5154.0	5079.5	5032.1	4932.2	4850.9	4842.5
47.5°	5125.2	5099.8	5191.3	5279.3	5292.9	5233.6	5248.8	5292.9	5187.9	5054.1	5096.4
50°	5260.7	5260.7	5321.6	5402.9	5377.5	5301.3	5421.5	5424.9	5319.9	5201.4	5201.4
52.5°	5025.3	5077.8	5250.5	5516.4	5601.0	5623.0	5595.9	5480.8	5206.5	4964.4	4952.5
55°	4378.5	4366.7	4600.3	5209.9	5702.6	5963.4	5617.9	5088.0	4530.9	4258.3	4231.2
57.5°	2847.9	2861.5	3210.3	3831.6	4720.6	5206.5	4624.1	3879.1	3210.3	2834.4	2869.9
60°	1281.7	1327.4	1539.1	2003.0	2766.6	3162.8	2773.4	2104.6	1615.3	1401.9	1420.6
62.5°	736.5	745.0	753.5	894.0	1178.4	1393.5	1224.2	944.8	833.0	795.8	795.8
65°	621.4	616.3	618.0	629.9	660.3	704.4	685.7	660.3	663.7	660.3	655.3
67.5°	528.3	535.0	530.0	538.4	540.1	546.9	558.7	568.9	570.6	574.0	570.6
70°	433.5	435.1	438.5	445.3	447.0	452.1	469.0	477.5	482.6	482.6	489.3
72.5°	331.9	330.2	333.6	340.3	348.8	350.5	365.7	377.6	384.3	375.9	377.6
75°	218.4	220.1	225.2	230.3	242.1	254.0	259.1	270.9	272.6	276.0	267.5
77.5°	130.4	133.8	138.8	149.0	159.2	169.3	181.2	189.6	193.0	189.6	179.5
80°	84.7	84.7	91.4	99.9	111.7	120.2	127.0	133.8	138.8	133.8	130.4
82.5°	52.5	52.5	61.0	71.1	79.6	84.7	94.8	103.3	108.4	105.0	99.9
85°	27.1	28.8	35.6	44.0	50.8	54.2	52.5	47.4	42.3	40.6	37.2
87.5°	8.5	8.5	10.2	10.2	8.5	8.5	10.2	8.5	10.2	10.2	10.2
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)