

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: P528620

Luminaire Tested: **GALN-SA3D-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528620
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-SA3D-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 16923 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

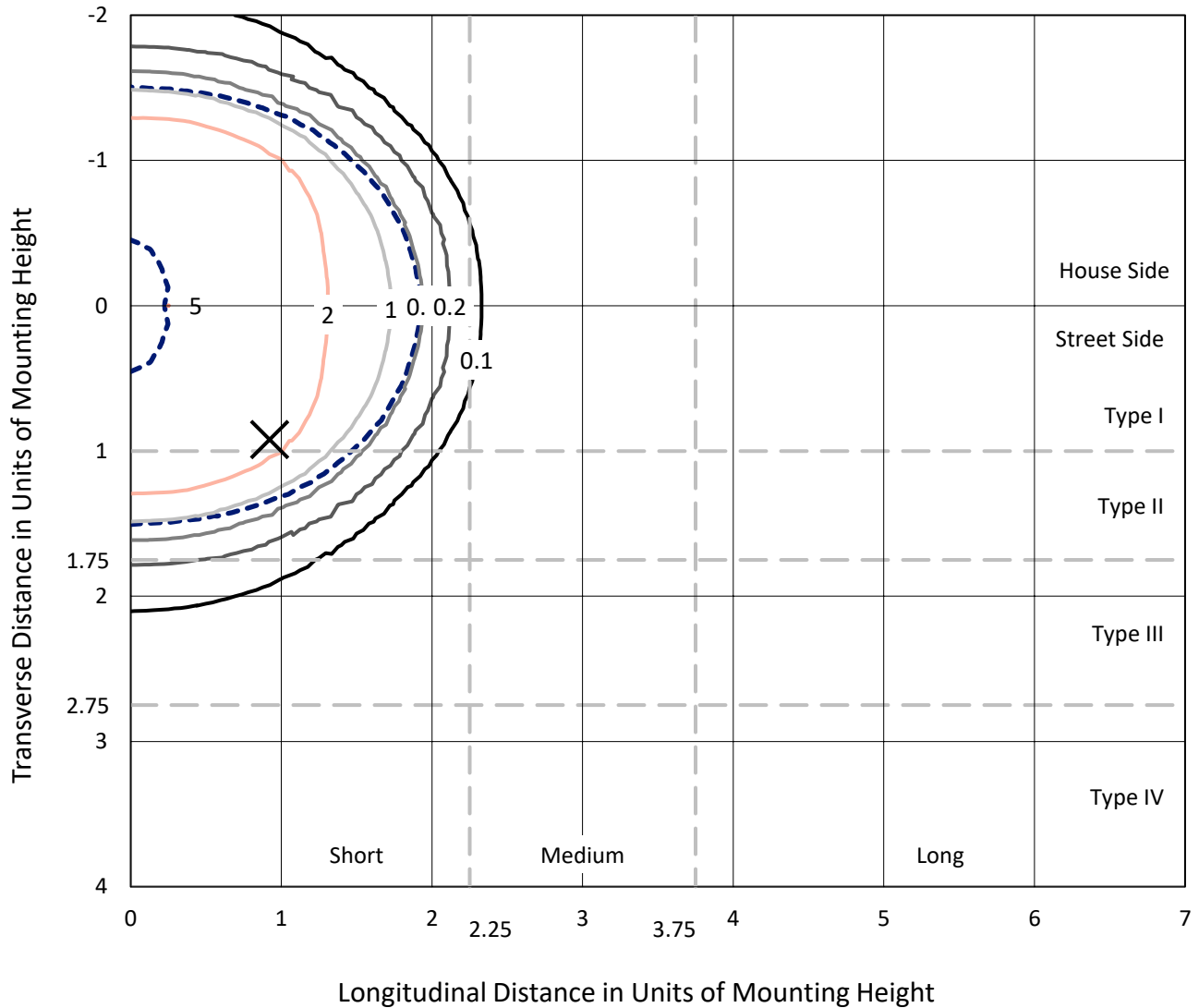
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

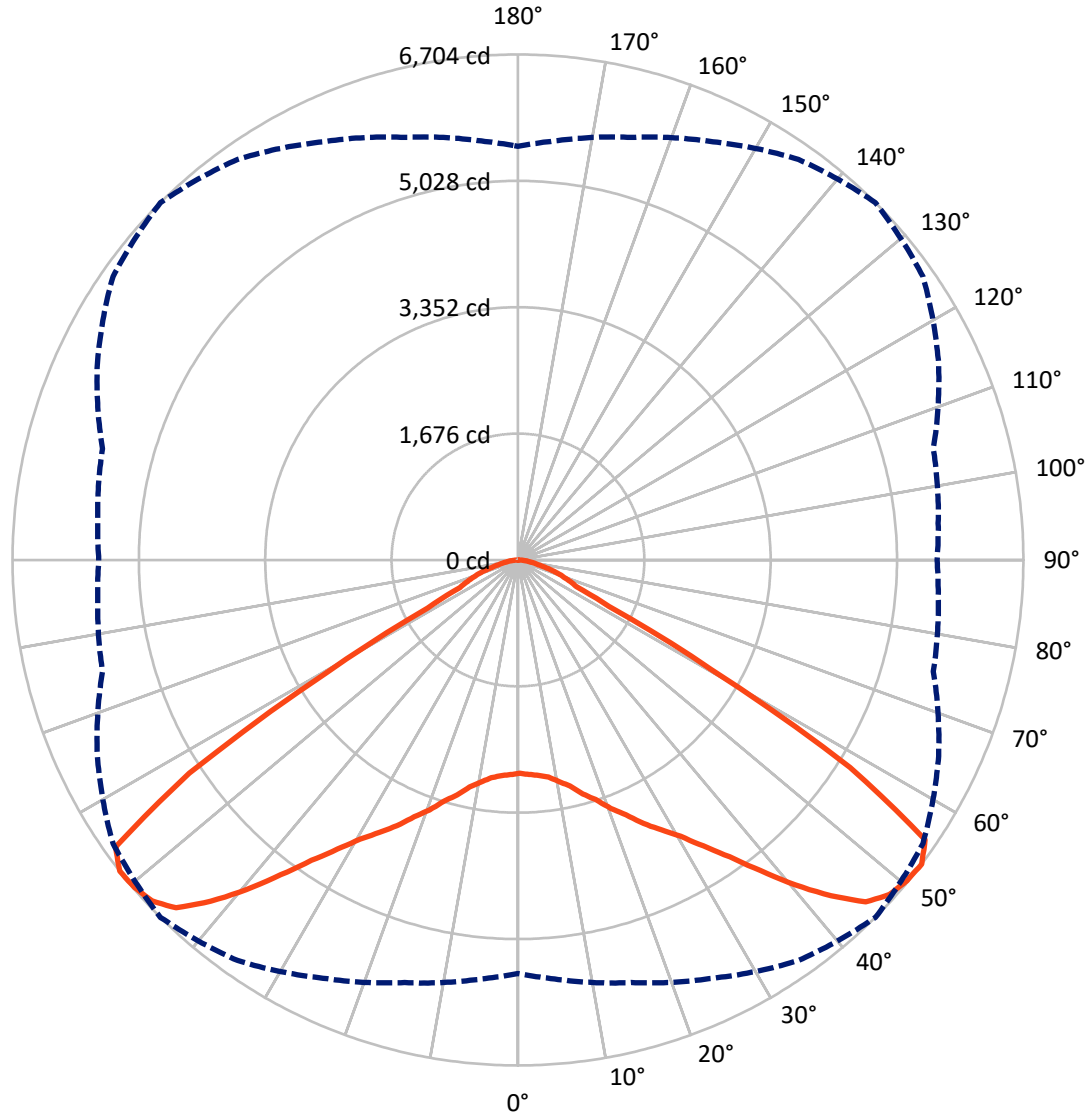
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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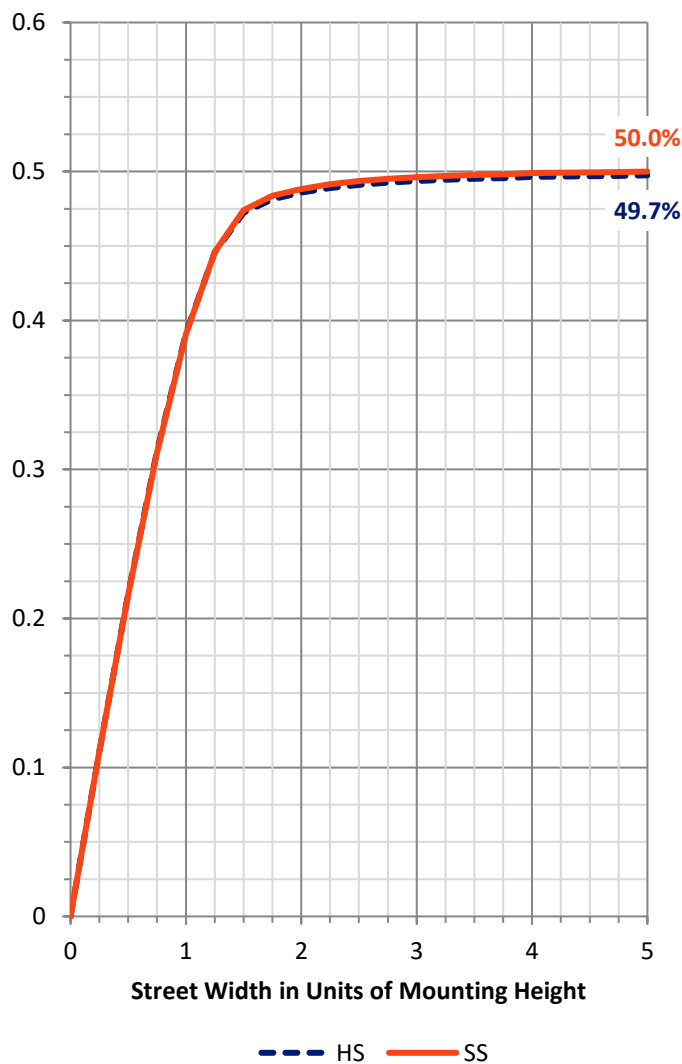
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8461.5	0.0	8461.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8461.5	0.0	8461.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16923.0	0.0	16923.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.9	1.6
10°-20°	913.3	5.4
20°-30°	1738.7	10.3
30°-40°	2985.5	17.6
40°-50°	4588.8	27.1
50°-60°	4659.9	27.5
60°-70°	1298.7	7.7
70°-80°	383.1	2.3
80°-90°	77.2	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°	16923.0	100.0
0°-180°	16923.0	100.0

Coefficient of Utilization

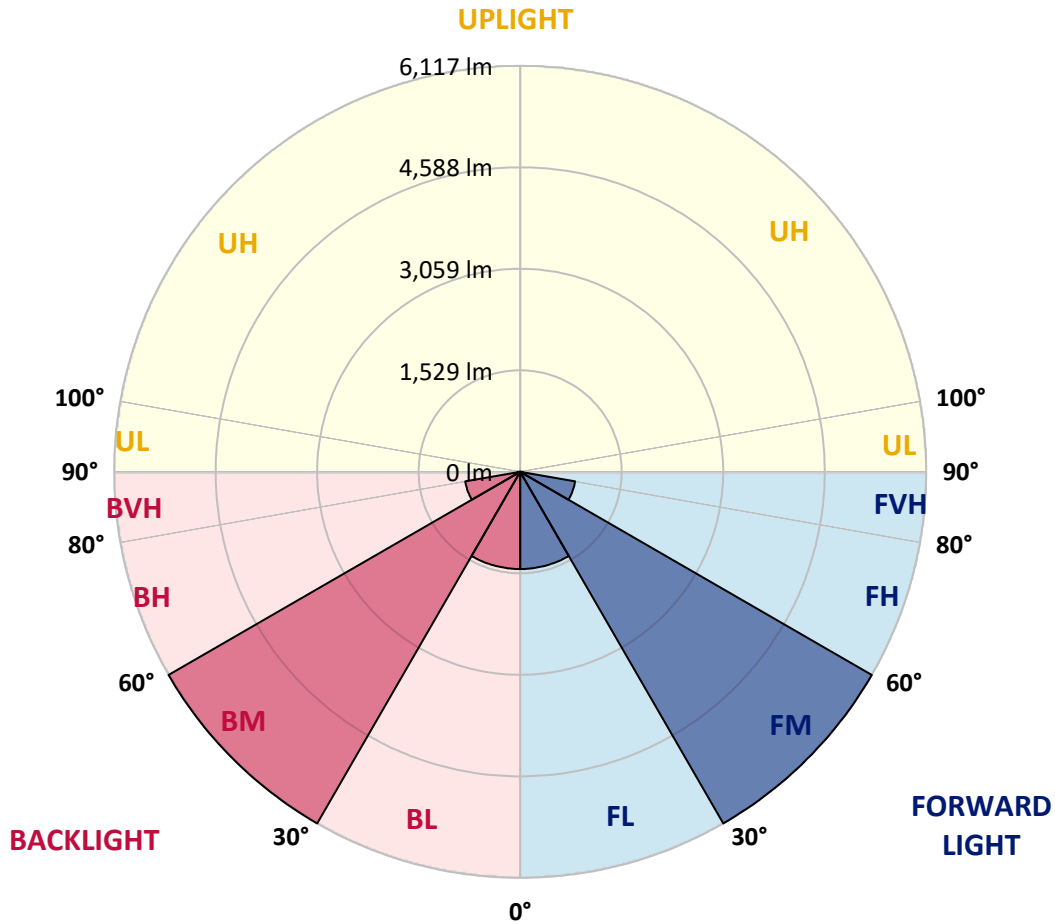


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1465.0	8.7			
FM (30°-60°)	6117.1	36.1			
FH (60°-80°)	840.9	5.0			G1/1800
FVH (80°-90°)	38.6	0.2			G1/100
BL (0°-30°)	1465.0	8.7	B3/2500		
BM (30°-60°)	6117.1	36.1	B4/8500		
BH (60°-80°)	840.9	5.0	B2/1000		G1/1800
BVH (80°-90°)	38.6	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°	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9
2.5°	2835.2	2805.8	2816.3	2822.6	2849.9	2847.8	2841.5	2849.9	2858.3	2860.4	2856.2
5°	2833.1	2812.1	2820.5	2826.8	2854.1	2868.8	2864.6	2900.3	2925.5	2919.2	2950.7
7.5°	2816.3	2828.9	2818.4	2849.9	2873.0	2908.7	2946.5	2980.1	3011.6	3047.3	3053.6
10°	2854.1	2854.1	2873.0	2898.2	2959.1	2986.4	3041.0	3089.3	3150.2	3192.2	3175.4
12.5°	2894.0	2900.3	2900.3	2965.4	3015.8	3076.7	3127.1	3192.2	3278.3	3328.7	3353.9
15°	2933.9	2938.1	2959.1	3047.3	3122.9	3219.5	3265.7	3324.5	3372.8	3467.3	3469.4
17.5°	2969.6	2992.7	3055.7	3154.4	3248.9	3341.3	3414.8	3475.7	3517.8	3555.6	3547.2
20°	3104.0	3120.8	3185.9	3284.6	3425.3	3515.7	3540.9	3551.4	3578.7	3654.3	3631.2
22.5°	3234.2	3240.5	3301.4	3452.6	3551.4	3671.1	3698.4	3692.1	3702.6	3721.5	3755.1
25°	3368.6	3379.1	3463.1	3591.3	3729.9	3872.7	3895.8	3847.5	3832.8	3853.8	3855.9
27.5°	3540.9	3543.0	3650.1	3761.4	3918.9	4053.3	4089.0	4051.2	3981.9	3998.7	4026.0
30°	3759.3	3744.6	3851.7	4011.3	4177.2	4252.8	4313.7	4294.8	4219.2	4204.5	4181.4
32.5°	4011.3	4015.5	4112.1	4286.4	4395.6	4521.6	4586.7	4555.2	4506.9	4481.7	4496.4
35°	4366.2	4385.1	4450.2	4595.1	4771.5	4834.5	4937.5	4870.2	4744.2	4775.7	4803.0
37.5°	4658.1	4712.7	4834.5	5006.8	5111.8	5227.3	5265.1	5174.8	5082.4	5044.6	5134.9
40°	5105.5	5088.7	5223.1	5395.3	5550.7	5666.2	5617.9	5527.6	5298.7	5300.8	5326.0
42.5°	5489.8	5498.2	5601.1	5806.9	6019.0	6090.4	5937.1	5716.6	5462.5	5435.2	5489.8
45°	5813.2	5846.8	5905.6	6180.7	6388.7	6466.4	6182.8	5922.4	5582.2	5468.8	5559.1
47.5°	5928.7	5983.3	6111.4	6363.5	6569.3	6632.3	6405.5	6031.6	5693.5	5508.7	5557.0
50°	5945.5	5926.6	6136.6	6367.7	6548.3	6684.8	6485.3	6111.4	5666.2	5569.6	5554.9
52.5°	5485.6	5578.0	5802.7	6119.8	6485.3	6703.7	6556.7	6155.5	5704.0	5594.8	5559.1
55°	4439.7	4330.5	4740.0	5273.5	5945.5	6552.5	6531.5	6178.6	5727.1	5636.8	5588.5
57.5°	2478.2	2509.7	2740.7	3320.3	4187.7	5195.8	5806.9	5935.0	5716.6	5664.1	5689.3
60°	1146.7	1157.2	1255.9	1526.8	2064.4	2946.5	3750.9	4567.8	4943.8	5019.4	5019.4
62.5°	854.8	850.6	875.8	924.1	1037.5	1354.6	1808.2	2457.2	2973.8	3335.0	3429.5
65°	772.9	770.8	783.4	800.2	808.6	852.7	953.5	1153.0	1321.0	1417.6	1400.8
67.5°	676.2	674.1	678.3	688.8	703.6	726.7	751.9	793.9	852.7	848.5	838.0
70°	546.0	546.0	552.3	560.7	577.5	604.8	634.2	663.6	714.1	724.6	722.5
72.5°	403.2	396.9	409.5	426.3	443.1	476.7	508.2	535.5	571.2	581.7	577.5
75°	256.2	260.4	268.8	287.7	317.1	340.2	373.8	396.9	420.0	428.4	430.5
77.5°	142.8	147.0	161.7	184.8	214.2	239.4	268.8	287.7	302.4	304.5	306.6
80°	86.1	88.2	102.9	123.9	149.1	176.4	199.5	218.4	231.0	224.7	222.6
82.5°	52.5	54.6	67.2	86.1	107.1	128.1	153.3	170.1	182.7	174.3	165.9
85°	27.3	29.4	39.9	52.5	69.3	79.8	79.8	71.4	69.3	65.1	63.0
87.5°	8.4	8.4	10.5	12.6	10.5	12.6	14.7	16.8	16.8	18.9	16.8
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)