

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: P531449

Luminaire Tested: **GALN-SA6D-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21792 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

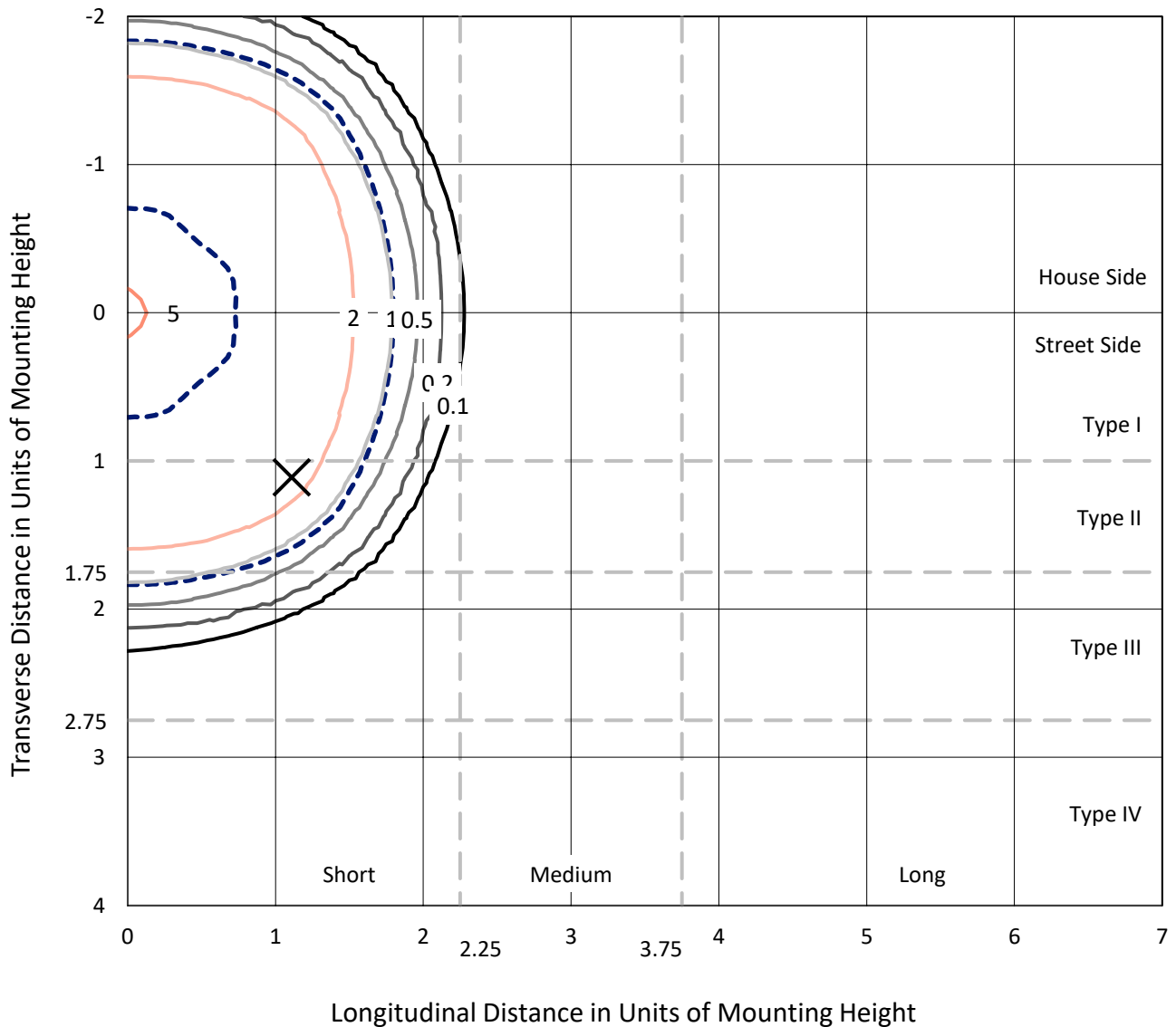
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

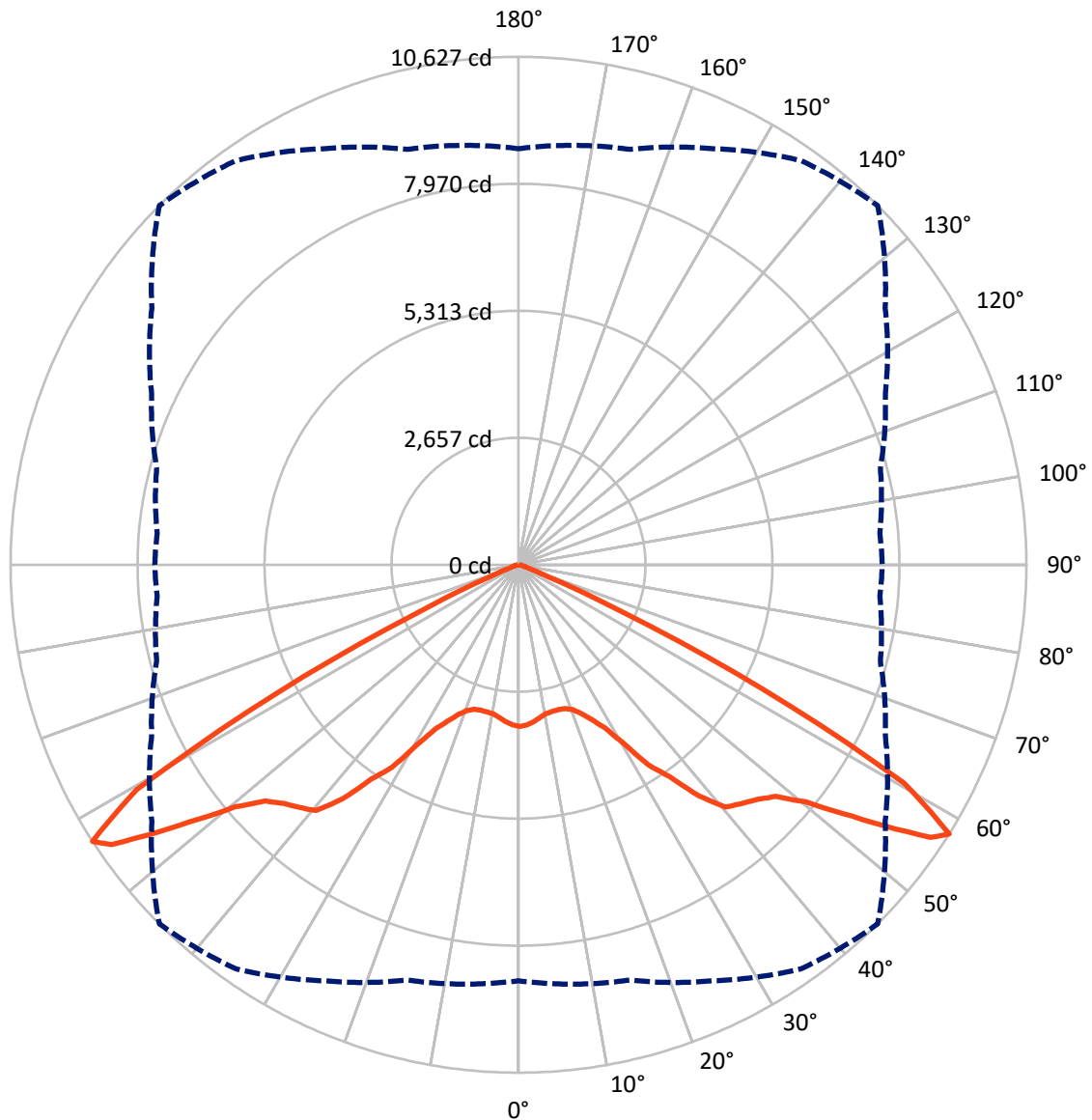
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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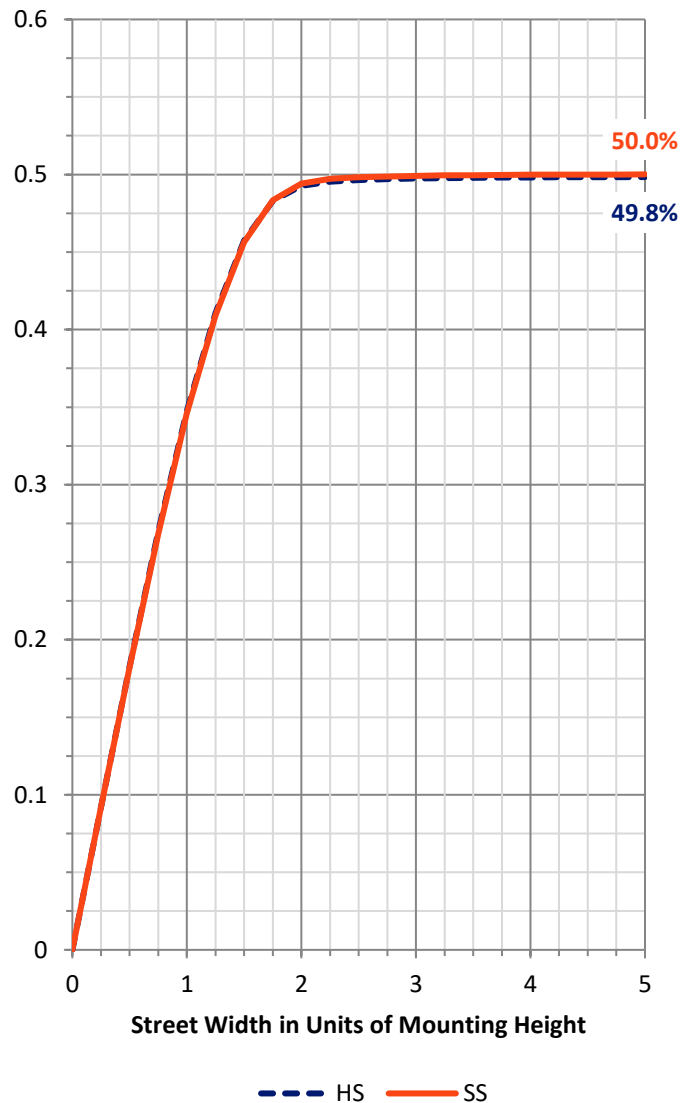
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10896.0	0.0	10896.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10896.0	0.0	10896.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21792.0	0.0	21792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.6	1.4
10°-20°	897.8	4.1
20°-30°	1657.3	7.6
30°-40°	3259.3	15.0
40°-50°	5308.4	24.4
50°-60°	7570.5	34.7
60°-70°	2621.1	12.0
70°-80°	140.6	0.6
80°-90°	26.4	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°	21792.0	100.0
0°-180°	21792.0	100.0

Coefficient of Utilization

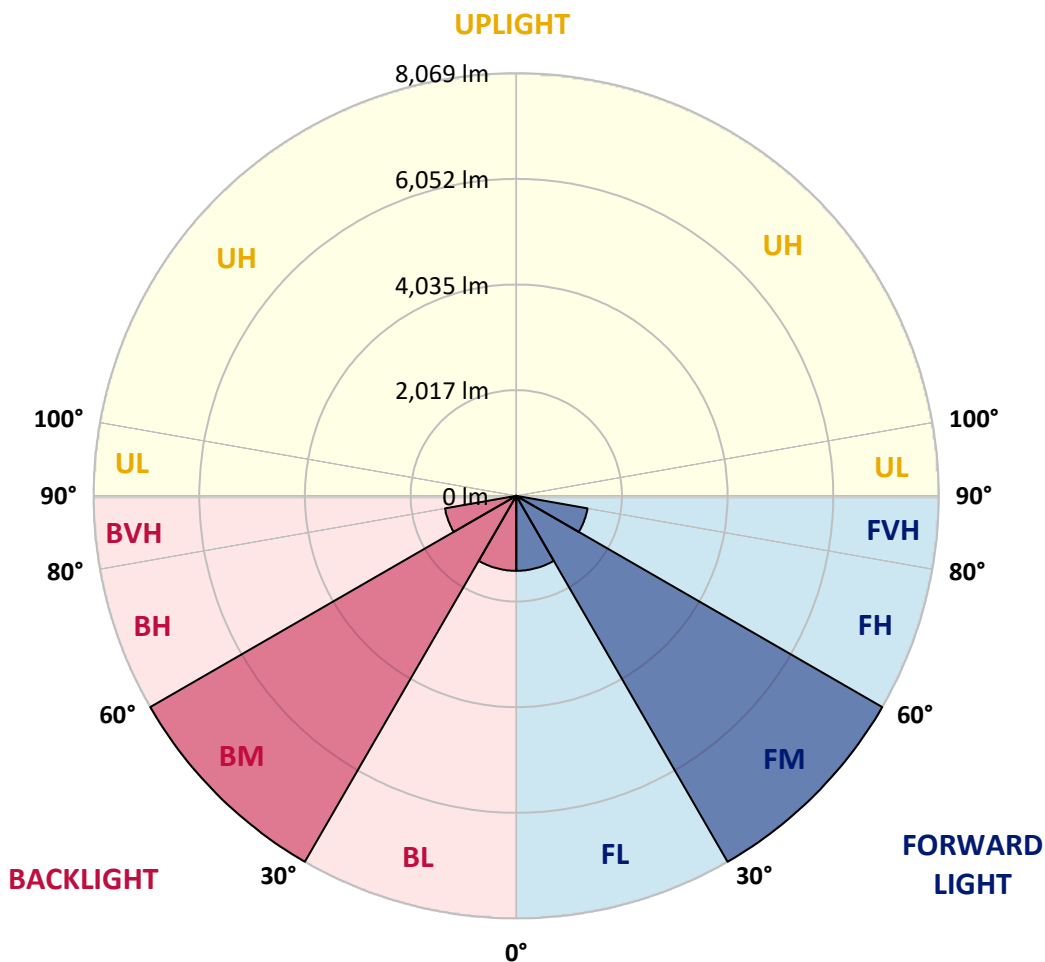


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1432.9	6.6			
FM (30°-60°)	8069.1	37.0			
FH (60°-80°)	1380.9	6.3			G1/1800
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	1432.9	6.6	B3/2500		
BM (30°-60°)	8069.1	37.0	B4/8500		
BH (60°-80°)	1380.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	13.2	0.1			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°	3380.2	3380.2	3380.2	3380.2	3380.2	3380.2	3380.2	3380.2	3380.2	3380.2	3380.2
2.5°	3371.1	3389.3	3366.5	3357.5	3352.9	3352.9	3339.3	3339.3	3334.7	3339.3	3321.1
5°	3316.6	3334.7	3334.7	3330.2	3302.9	3298.4	3284.8	3275.7	3280.2	3262.0	3275.7
7.5°	3262.0	3275.7	3257.5	3253.0	3243.9	3225.7	3221.2	3180.3	3184.8	3184.8	3193.9
10°	3253.0	3248.4	3221.2	3198.4	3171.2	3166.6	3153.0	3143.9	3143.9	3139.4	3153.0
12.5°	3253.0	3230.2	3225.7	3175.7	3130.3	3148.5	3112.1	3089.4	3121.2	3130.3	3148.5
15°	3248.4	3271.1	3193.9	3171.2	3139.4	3143.9	3112.1	3089.4	3107.6	3116.7	3130.3
17.5°	3275.7	3262.0	3239.3	3193.9	3180.3	3162.1	3121.2	3103.0	3103.0	3125.7	3130.3
20°	3348.4	3312.0	3266.6	3243.9	3257.5	3234.8	3184.8	3116.7	3134.8	3153.0	3166.6
22.5°	3416.5	3389.3	3357.5	3343.8	3421.1	3384.7	3298.4	3221.2	3193.9	3225.7	3248.4
25°	3548.3	3548.3	3489.2	3507.4	3593.7	3598.2	3498.3	3362.0	3343.8	3357.5	3366.5
27.5°	3816.3	3829.9	3780.0	3798.1	3834.5	3866.3	3780.0	3666.4	3625.5	3621.0	3634.6
30°	4107.1	4134.3	4129.8	4207.0	4311.5	4329.7	4202.5	4016.2	3893.6	3870.8	3889.0
32.5°	4488.7	4502.3	4493.3	4584.1	4865.8	4997.6	4665.9	4402.4	4238.8	4279.7	4238.8
35°	5206.5	5192.9	5093.0	5111.1	5342.8	5438.3	5120.2	4952.1	4874.9	4956.7	4938.5
37.5°	5824.4	5774.5	5692.7	5810.8	6051.6	6137.9	5806.3	5510.9	5370.1	5506.4	5565.5
40°	6346.9	6219.7	6106.1	6224.2	6546.8	6664.9	6178.8	5938.0	5883.5	5983.4	6110.7
42.5°	6787.6	6705.8	6555.9	6565.0	6778.5	6833.0	6442.3	6301.5	6246.9	6406.0	6469.6
45°	7101.1	7023.8	6883.0	6873.9	7037.5	7001.1	6651.3	6555.9	6587.7	6692.2	6724.0
47.5°	7260.1	7301.0	7219.2	7241.9	7328.2	7241.9	6964.8	6964.8	6892.1	6955.7	6923.9
50°	7719.0	7591.7	7696.2	7696.2	7787.1	7796.2	7519.1	7419.1	7223.7	7114.7	7114.7
52.5°	8255.1	8264.1	8305.0	8455.0	8609.4	8741.2	8345.9	7918.9	7591.7	7450.9	7432.7
55°	8695.8	8786.6	8950.2	9231.9	9677.1	9858.8	9177.3	8414.1	8014.3	7796.2	7750.8
56°	8936.5	8850.2	9131.9	9518.1	10099.6	10335.9	9313.6	8514.0	8073.3	7828.0	7823.5
57.5°	8704.8	8800.2	8995.6	9604.4	10317.7	10626.6	9363.6	8468.6	7837.1	7587.2	7609.9
60°	6873.9	6964.8	7228.3	7909.8	9027.4	9268.2	7923.4	6983.0	6419.6	6060.7	6065.2
62.5°	3889.0	3957.2	4161.6	4793.1	5488.2	5719.9	4938.5	4311.5	3920.8	3720.9	3657.3
65°	1431.1	1403.9	1435.7	1758.2	2185.3	2380.7	2053.5	1735.5	1531.1	1458.4	1431.1
67.5°	536.1	495.2	463.4	495.2	622.4	658.8	604.3	504.3	472.5	486.1	495.2
70°	331.7	313.5	249.9	236.2	231.7	227.2	240.8	254.4	290.8	340.7	349.8
72.5°	231.7	218.1	177.2	168.1	159.0	154.5	177.2	195.4	227.2	263.5	268.1
75°	90.9	95.4	90.9	100.0	104.5	109.0	127.2	140.8	154.5	154.5	149.9
77.5°	18.2	18.2	27.3	36.3	45.4	59.1	86.3	100.0	104.5	100.0	86.3
80°	0.0	0.0	9.1	18.2	36.3	50.0	77.2	86.3	95.4	86.3	68.1
82.5°	0.0	0.0	9.1	22.7	36.3	45.4	72.7	90.9	104.5	95.4	72.7
85°	0.0	0.0	9.1	18.2	27.3	31.8	31.8	22.7	22.7	13.6	9.1
87.5°	0.0	0.0	0.0	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)