

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: P530513

Luminaire Tested: **GALN-SA5D-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530513
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-SA5D-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 18404 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

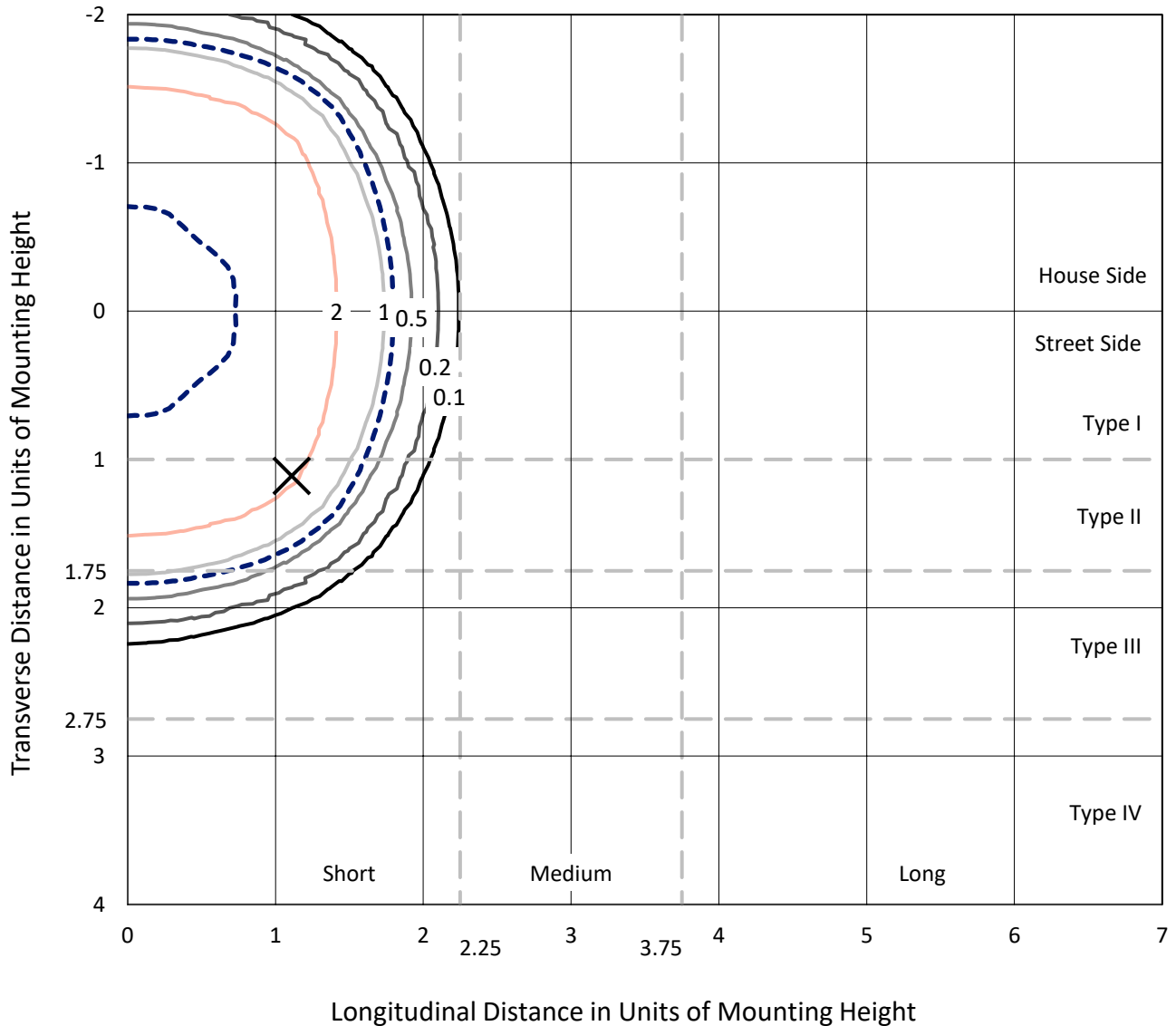
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

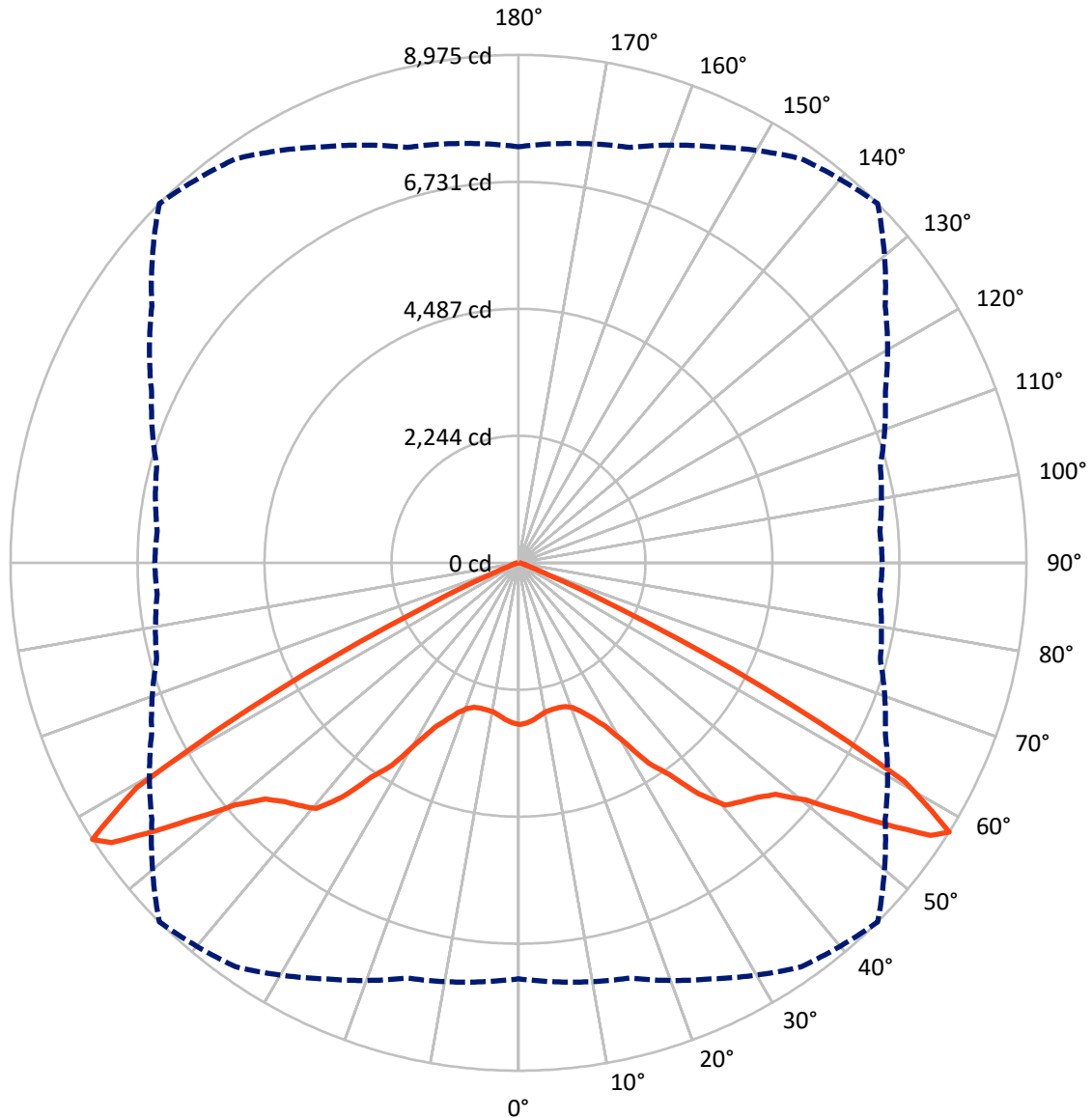
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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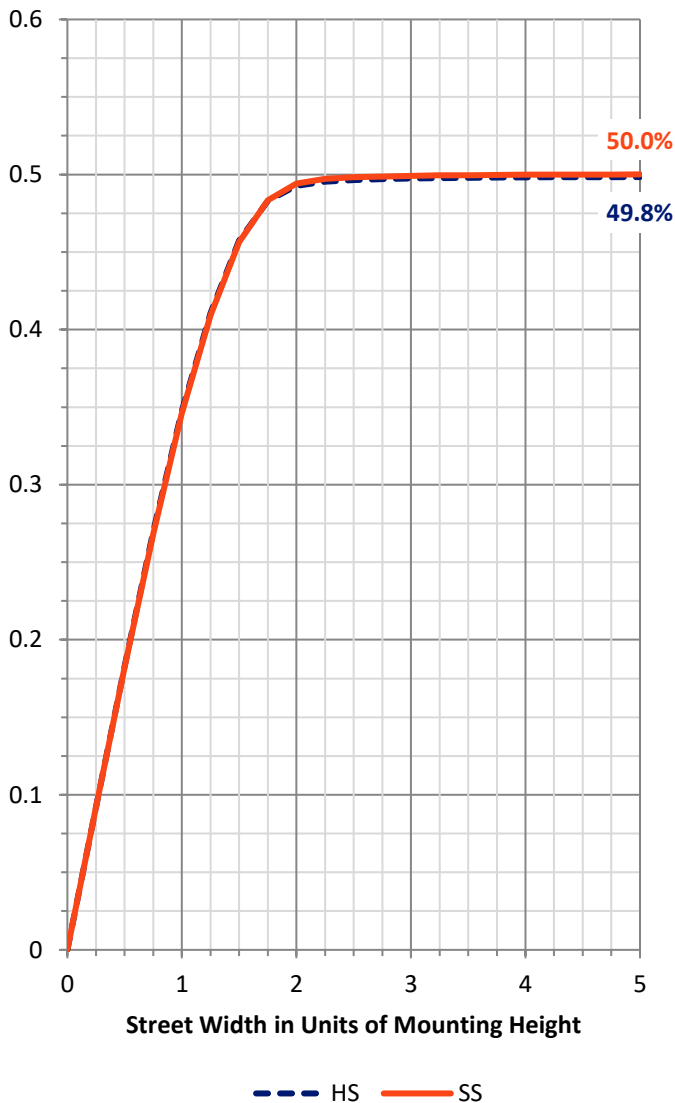
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9202.0	0.0	9202.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9202.0	0.0	9202.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18404.0	0.0	18404.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.3	1.4
10°-20°	758.3	4.1
20°-30°	1399.6	7.6
30°-40°	2752.5	15.0
40°-50°	4483.1	24.4
50°-60°	6393.5	34.7
60°-70°	2213.6	12.0
70°-80°	118.7	0.6
80°-90°	22.3	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°	18404.0	100.0
0°-180°	18404.0	100.0

Coefficient of Utilization

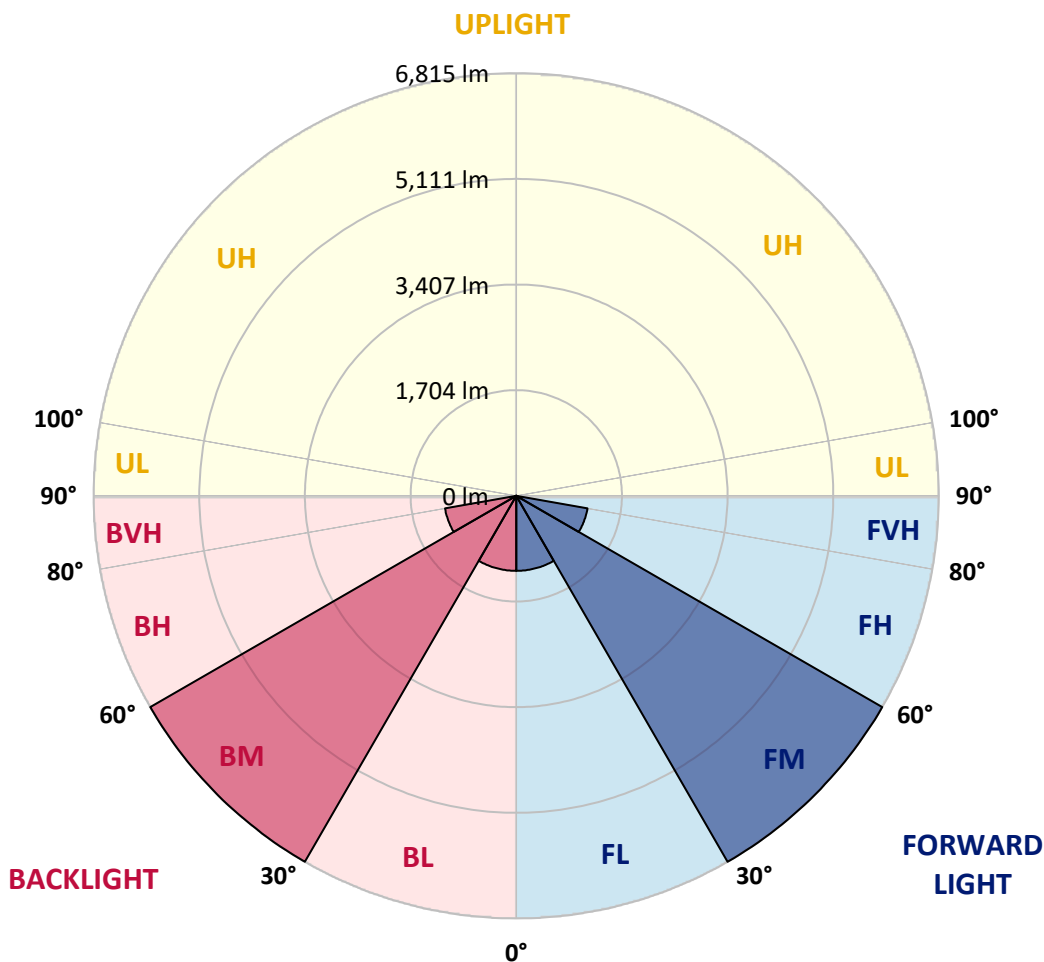


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1210.1	6.6			
FM (30°-60°)	6814.6	37.0			
FH (60°-80°)	1166.2	6.3			G1/1800
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	1210.1	6.6	B3/2500		
BM (30°-60°)	6814.6	37.0	B4/8500		
BH (60°-80°)	1166.2	6.3	B3/2500		G1/1800
BVH (80°-90°)	11.2	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°	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7
2.5°	2847.0	2862.3	2843.1	2835.5	2831.6	2831.6	2820.1	2820.1	2816.3	2820.1	2804.8
5°	2800.9	2816.3	2816.3	2812.4	2789.4	2785.6	2774.1	2766.4	2770.2	2754.9	2766.4
7.5°	2754.9	2766.4	2751.1	2747.2	2739.5	2724.2	2720.4	2685.8	2689.7	2689.7	2697.3
10°	2747.2	2743.4	2720.4	2701.2	2678.2	2674.3	2662.8	2655.1	2655.1	2651.3	2662.8
12.5°	2747.2	2728.0	2724.2	2682.0	2643.6	2659.0	2628.3	2609.1	2635.9	2643.6	2659.0
15°	2743.4	2762.6	2697.3	2678.2	2651.3	2655.1	2628.3	2609.1	2624.4	2632.1	2643.6
17.5°	2766.4	2754.9	2735.7	2697.3	2685.8	2670.5	2635.9	2620.6	2620.6	2639.8	2643.6
20°	2827.8	2797.1	2758.7	2739.5	2751.1	2731.9	2689.7	2632.1	2647.5	2662.8	2674.3
22.5°	2885.3	2862.3	2835.5	2824.0	2889.2	2858.5	2785.6	2720.4	2697.3	2724.2	2743.4
25°	2996.6	2996.6	2946.7	2962.1	3035.0	3038.8	2954.4	2839.3	2824.0	2835.5	2843.1
27.5°	3223.0	3234.5	3192.3	3207.6	3238.3	3265.2	3192.3	3096.4	3061.8	3058.0	3069.5
30°	3468.6	3491.6	3487.7	3553.0	3641.2	3656.6	3549.1	3391.8	3288.2	3269.0	3284.4
32.5°	3790.9	3802.4	3794.7	3871.4	4109.3	4220.6	3940.5	3718.0	3579.8	3614.4	3579.8
35°	4397.1	4385.6	4301.2	4316.5	4512.2	4592.8	4324.2	4182.2	4117.0	4186.1	4170.7
37.5°	4918.9	4876.7	4807.6	4907.4	5110.7	5183.7	4903.6	4654.2	4535.2	4650.3	4700.2
40°	5360.1	5252.7	5156.8	5256.6	5529.0	5628.7	5218.2	5014.8	4968.8	5053.2	5160.6
42.5°	5732.3	5663.3	5536.6	5544.3	5724.7	5770.7	5440.7	5321.8	5275.7	5410.0	5463.7
45°	5997.1	5931.8	5812.9	5805.2	5943.4	5912.7	5617.2	5536.6	5563.5	5651.8	5678.6
47.5°	6131.4	6165.9	6096.8	6116.0	6188.9	6116.0	5882.0	5882.0	5820.6	5874.3	5847.4
50°	6518.9	6411.5	6499.7	6499.7	6576.4	6584.1	6350.1	6265.7	6100.7	6008.6	6008.6
52.5°	6971.6	6979.3	7013.9	7140.5	7270.9	7382.2	7048.4	6687.7	6411.5	6292.5	6277.2
55°	7343.8	7420.6	7558.7	7796.6	8172.6	8326.1	7750.5	7105.9	6768.3	6584.1	6545.8
56°	7547.2	7474.3	7712.2	8038.3	8529.4	8728.9	7865.6	7190.3	6818.2	6611.0	6607.1
57.5°	7351.5	7432.1	7597.1	8111.2	8713.6	8974.5	7907.8	7152.0	6618.7	6407.6	6426.8
60°	5805.2	5882.0	6104.5	6680.0	7623.9	7827.3	6691.6	5897.3	5421.5	5118.4	5122.3
62.5°	3284.4	3341.9	3514.6	4047.9	4635.0	4830.7	4170.7	3641.2	3311.2	3142.4	3088.7
65°	1208.6	1185.6	1212.5	1484.9	1845.5	2010.5	1734.3	1465.7	1293.0	1231.6	1208.6
67.5°	452.8	418.2	391.4	418.2	525.7	556.4	510.3	425.9	399.0	410.5	418.2
70°	280.1	264.7	211.0	199.5	195.7	191.8	203.4	214.9	245.6	287.8	295.4
72.5°	195.7	184.2	149.6	142.0	134.3	130.5	149.6	165.0	191.8	222.5	226.4
75°	76.7	80.6	76.7	84.4	88.2	92.1	107.4	118.9	130.5	130.5	126.6
77.5°	15.3	15.3	23.0	30.7	38.4	49.9	72.9	84.4	88.2	84.4	72.9
80°	0.0	0.0	7.7	15.3	30.7	42.2	65.2	72.9	80.6	72.9	57.6
82.5°	0.0	0.0	7.7	19.2	30.7	38.4	61.4	76.7	88.2	80.6	61.4
85°	0.0	0.0	7.7	15.3	23.0	26.9	26.9	19.2	19.2	11.5	7.7
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)