

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: P528637

Luminaire Tested: **GALN-SA3D-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3D-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12622 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

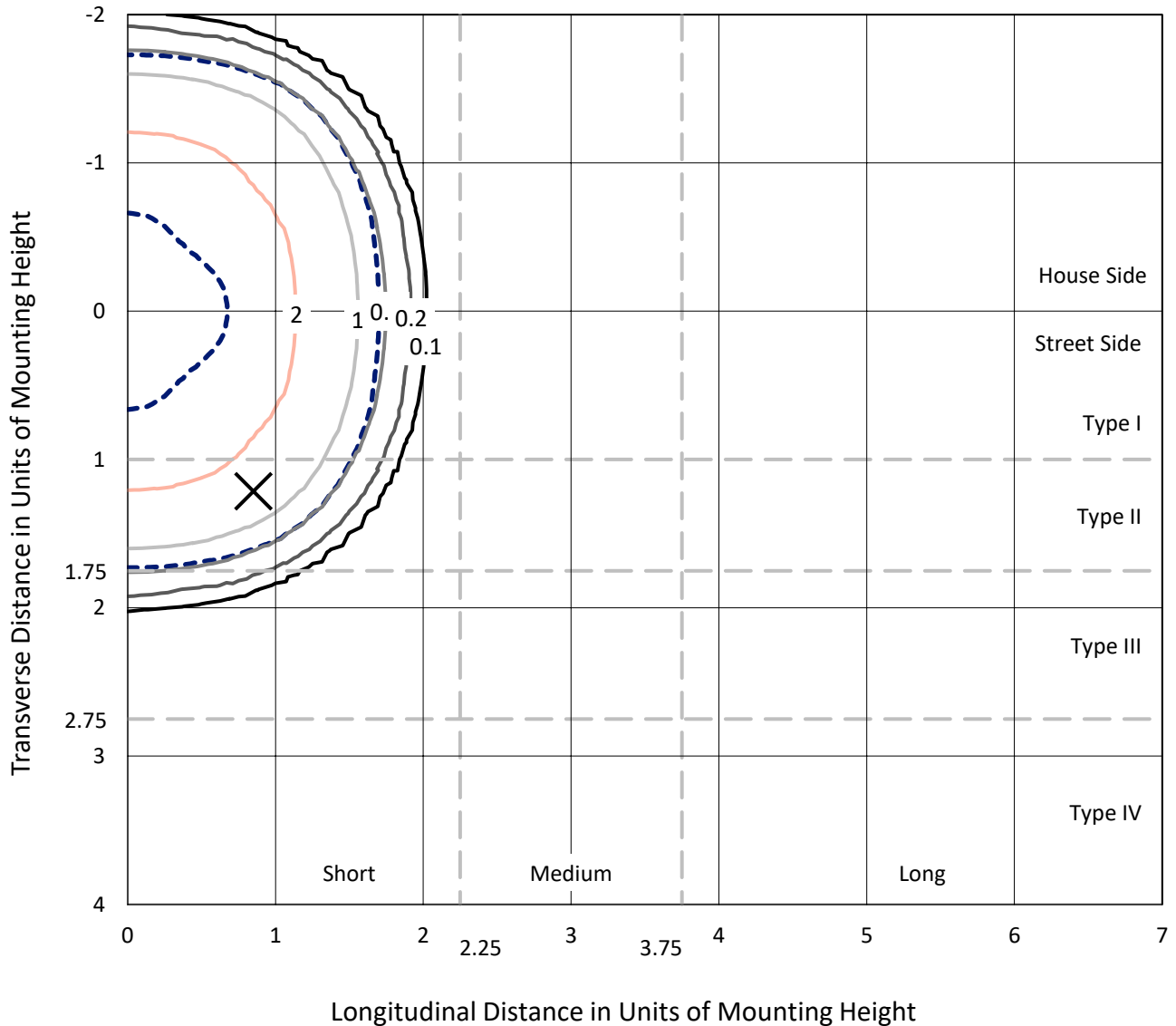
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

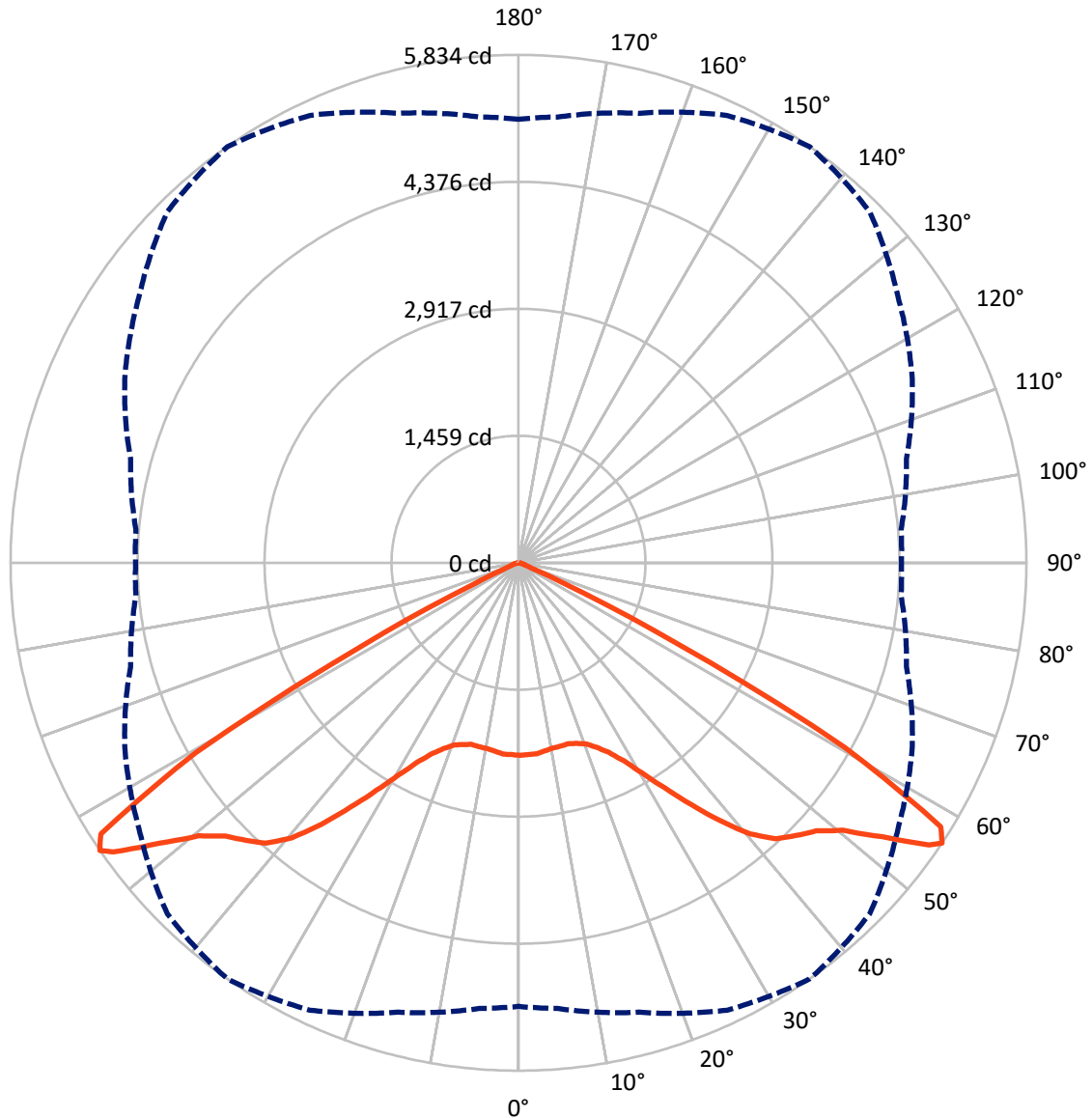
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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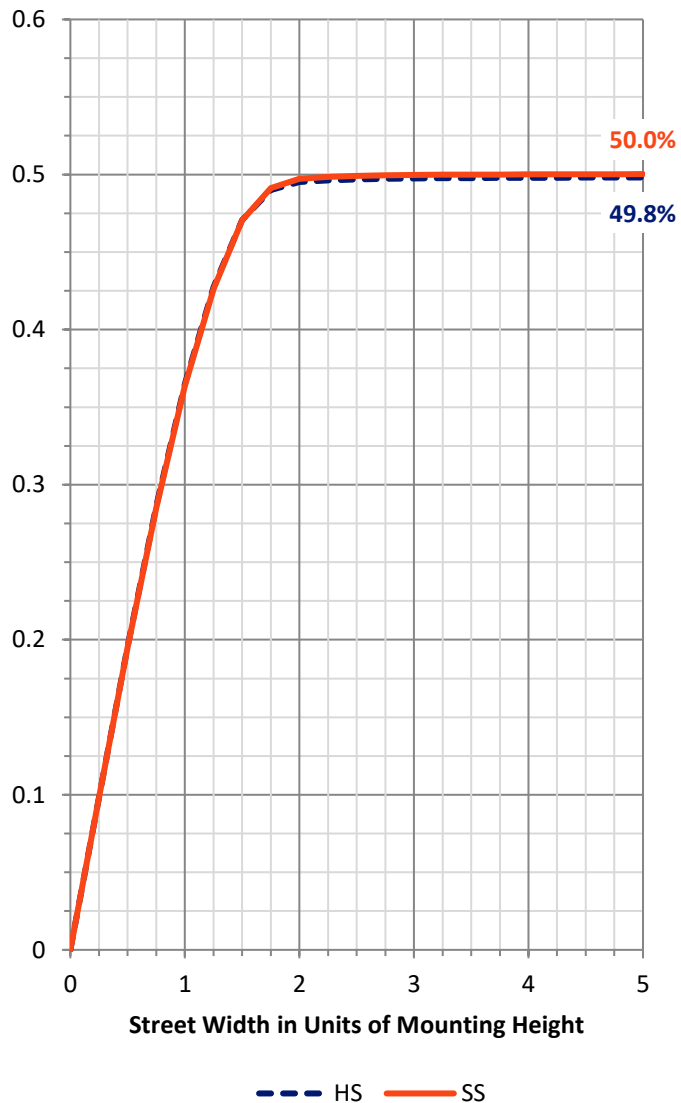
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6311.0	0.0	6311.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6311.0	0.0	6311.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12622.0	0.0	12622.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.9	1.6
10°-20°	606.9	4.8
20°-30°	1098.9	8.7
30°-40°	2037.8	16.1
40°-50°	3344.9	26.5
50°-60°	4309.2	34.1
60°-70°	949.7	7.5
70°-80°	55.1	0.4
80°-90°	11.6	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°	12622.0	100.0
0°-180°	12622.0	100.0

**Coefficient of Utilization**

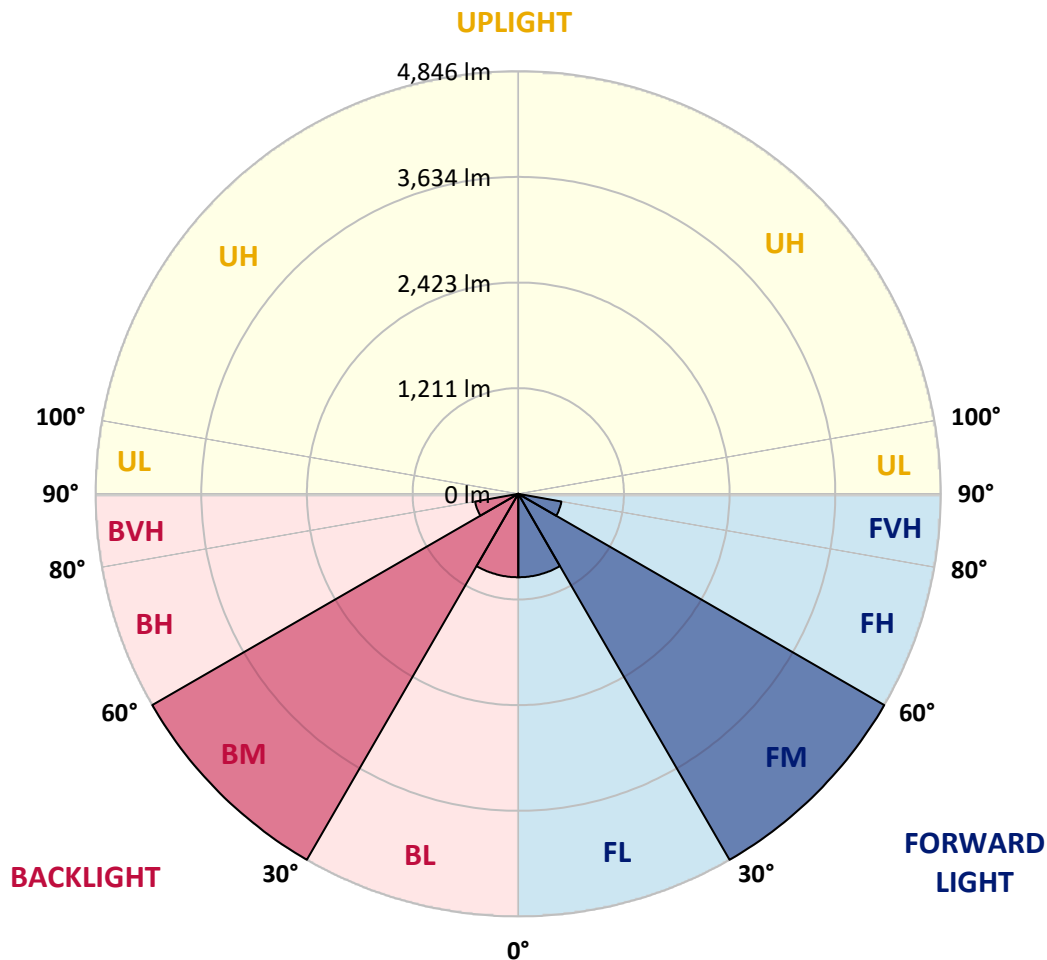


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	956.8	7.6			
FM (30°-60°)	4846.0	38.4			
FH (60°-80°)	502.4	4.0			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	956.8	7.6	B2/1000		
BM (30°-60°)	4846.0	38.4	B3/5000		
BH (60°-80°)	502.4	4.0	B2/1000		G0/660
BVH (80°-90°)	5.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2211.6	2211.6	2211.6	2211.6	2211.6	2211.6	2211.6	2211.6	2211.6	2211.6	2211.6
2.5°	2216.2	2216.2	2218.5	2220.8	2204.8	2197.9	2200.2	2195.6	2193.3	2200.2	2200.2
5°	2209.4	2209.4	2202.5	2204.8	2204.8	2184.2	2184.2	2188.8	2188.8	2175.1	2170.5
7.5°	2191.1	2186.5	2177.3	2188.8	2181.9	2181.9	2165.9	2154.5	2149.9	2159.0	2149.9
10°	2152.2	2154.5	2163.6	2168.2	2163.6	2177.3	2149.9	2133.9	2117.9	2111.0	2111.0
12.5°	2133.9	2147.6	2133.9	2145.3	2161.3	2149.9	2133.9	2122.4	2099.6	2090.4	2090.4
15°	2131.6	2140.7	2145.3	2161.3	2154.5	2159.0	2127.0	2113.3	2079.0	2063.0	2056.1
17.5°	2129.3	2140.7	2147.6	2177.3	2181.9	2184.2	2159.0	2117.9	2088.1	2072.1	2056.1
20°	2154.5	2159.0	2172.8	2202.5	2220.8	2252.8	2207.1	2163.6	2099.6	2081.3	2074.4
22.5°	2186.5	2209.4	2223.1	2255.1	2303.1	2330.6	2271.1	2216.2	2149.9	2127.0	2099.6
25°	2289.4	2284.8	2307.7	2374.0	2412.9	2433.5	2385.5	2305.4	2218.5	2191.1	2195.6
27.5°	2417.5	2422.1	2442.6	2515.8	2573.0	2605.0	2547.9	2442.6	2358.0	2312.3	2307.7
30°	2584.4	2579.9	2602.7	2701.1	2804.0	2852.0	2751.4	2627.9	2545.6	2486.1	2499.8
32.5°	2760.6	2762.8	2826.9	2916.1	3083.0	3176.8	3014.4	2863.5	2740.0	2698.8	2678.2
35°	3021.3	3032.7	3083.0	3220.3	3405.5	3526.7	3348.3	3167.7	3025.9	2950.4	2959.5
37.5°	3343.8	3332.3	3417.0	3565.6	3760.0	3849.2	3698.3	3492.4	3348.3	3298.0	3330.0
40°	3686.8	3698.3	3741.7	3876.7	4093.9	4153.4	3929.3	3817.2	3691.4	3666.3	3705.1
42.5°	4029.9	4023.0	4055.1	4176.3	4334.1	4292.9	4160.3	4093.9	4004.7	3954.4	4007.0
45°	4281.5	4270.1	4329.5	4411.9	4469.0	4391.3	4331.8	4308.9	4263.2	4208.3	4256.3
47.5°	4526.2	4517.1	4574.2	4597.1	4601.7	4498.8	4510.2	4551.4	4437.0	4322.7	4377.5
50°	4734.3	4718.3	4789.2	4839.5	4828.1	4663.4	4704.6	4663.4	4485.0	4350.1	4329.5
52.5°	5082.0	5088.8	5164.3	5255.8	5228.4	5091.1	5031.7	4844.1	4615.4	4494.2	4423.3
55°	5301.5	5267.2	5397.6	5688.1	5720.1	5578.3	5315.3	5038.5	4695.5	4546.8	4528.5
56°	5095.7	5139.2	5345.0	5669.8	5834.4	5704.1	5322.1	4990.5	4613.1	4411.9	4398.1
57.5°	4572.0	4549.1	4828.1	5271.8	5720.1	5665.2	5134.6	4647.4	4208.3	3981.9	3954.4
60°	2845.2	2911.5	3156.2	3705.1	4304.4	4331.8	3805.8	3387.2	2874.9	2673.6	2721.7
62.5°	1113.8	1056.6	1209.9	1619.3	2031.0	2122.4	1923.5	1598.7	1312.8	1113.8	1100.1
65°	258.4	251.6	283.6	391.1	546.6	633.5	601.5	432.3	317.9	301.9	279.0
67.5°	146.4	146.4	139.5	139.5	153.2	162.4	155.5	153.2	160.1	167.0	164.7
70°	102.9	100.6	96.1	98.3	93.8	93.8	100.6	112.1	121.2	121.2	123.5
72.5°	61.8	61.8	61.8	68.6	68.6	68.6	75.5	84.6	86.9	84.6	82.3
75°	27.4	27.4	32.0	38.9	43.5	45.7	52.6	57.2	61.8	57.2	52.6
77.5°	6.9	6.9	11.4	16.0	20.6	25.2	34.3	41.2	43.5	41.2	34.3
80°	2.3	2.3	4.6	11.4	20.6	25.2	34.3	36.6	38.9	34.3	27.4
82.5°	2.3	2.3	4.6	11.4	16.0	20.6	27.4	32.0	34.3	29.7	27.4
85°	0.0	2.3	4.6	9.1	13.7	18.3	18.3	13.7	11.4	6.9	9.1
87.5°	0.0	0.0	2.3	2.3	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)