

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: P527710

Luminaire Tested: **GALN-SA2D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527710
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-SA2D-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 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: 12414 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

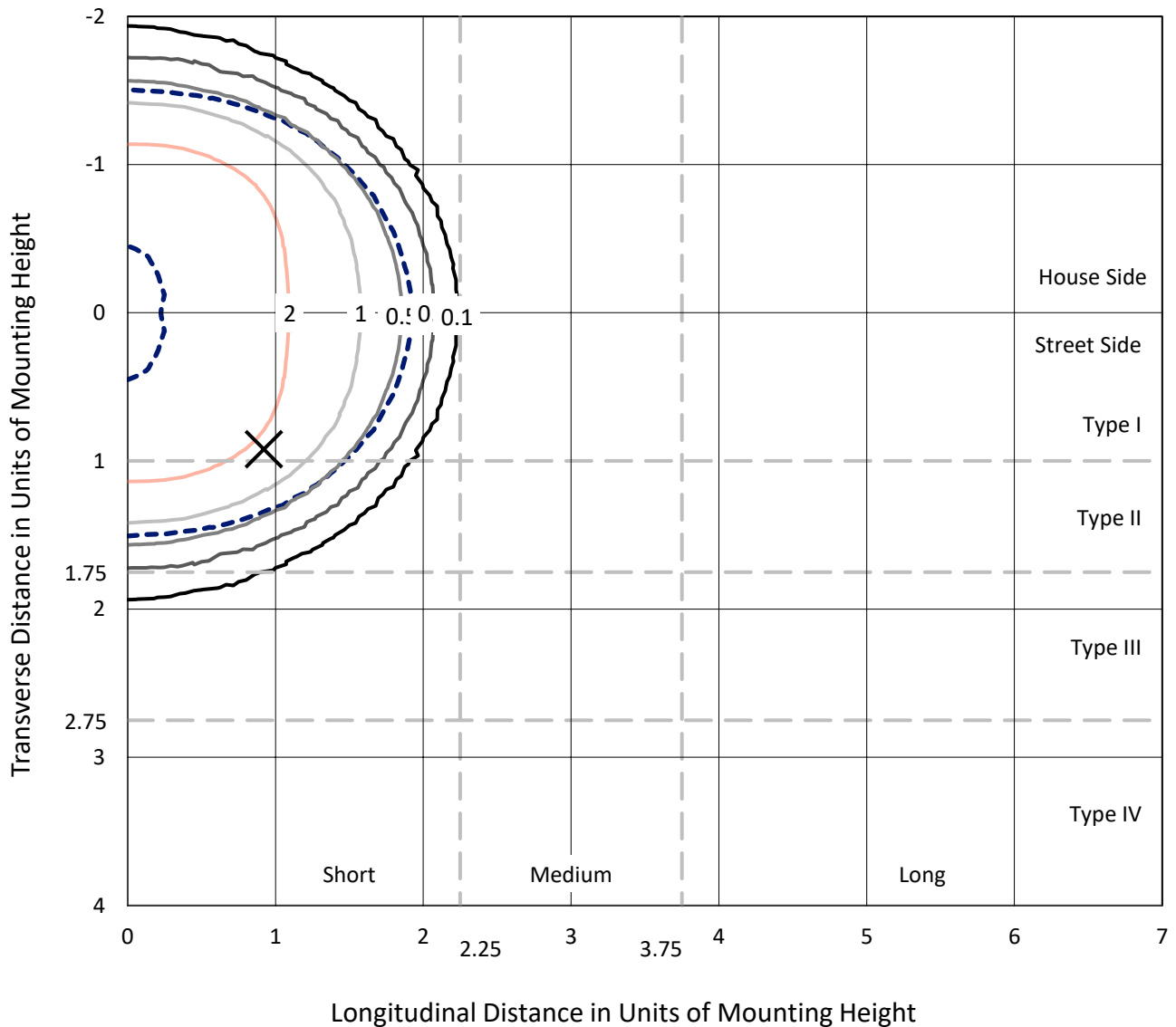
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

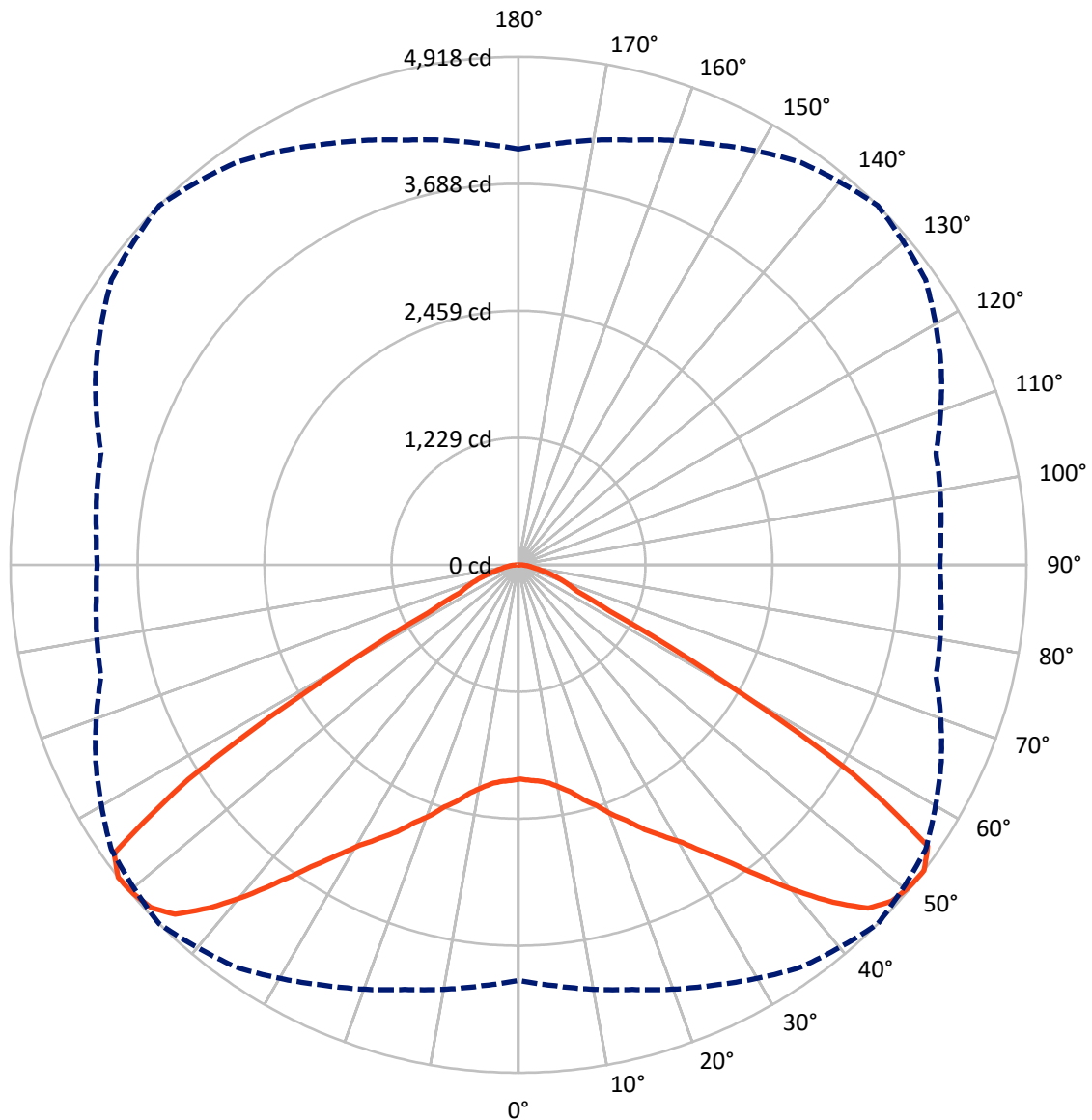
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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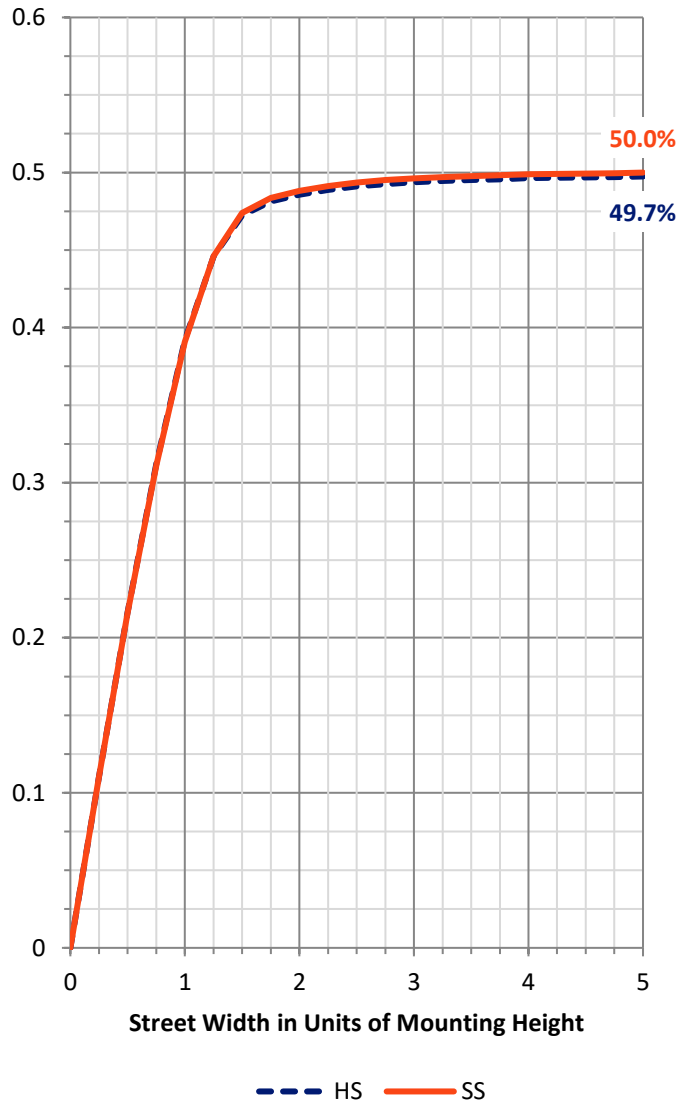
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6207.0	0.0	6207.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6207.0	0.0	6207.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12414.0	0.0	12414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	1.6
10°-20°	669.9	5.4
20°-30°	1275.5	10.3
30°-40°	2190.0	17.6
40°-50°	3366.2	27.1
50°-60°	3418.3	27.5
60°-70°	952.6	7.7
70°-80°	281.0	2.3
80°-90°	56.6	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°	12414.0	100.0
0°-180°	12414.0	100.0

Coefficient of Utilization



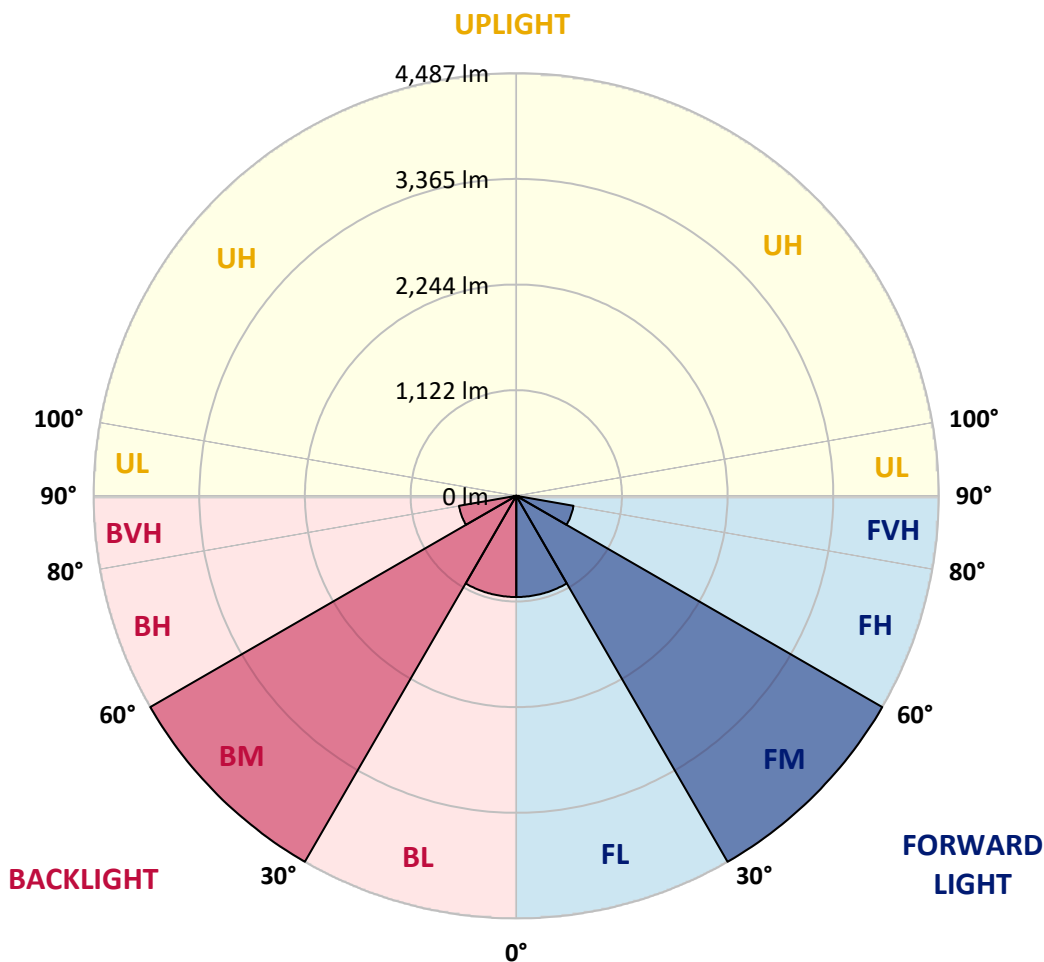
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1074.6	8.7			
FM (30°-60°)	4487.2	36.1			
FH (60°-80°)	616.8	5.0			G0/660
FVH (80°-90°)	28.3	0.2			G1/100
BL (0°-30°)	1074.6	8.7	B3/2500		
BM (30°-60°)	4487.2	36.1	B3/5000		
BH (60°-80°)	616.8	5.0	B2/1000		G0/660
BVH (80°-90°)	28.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2075.2	2075.2	2075.2	2075.2	2075.2	2075.2	2075.2	2075.2	2075.2	2075.2	2075.2
2.5°	2079.8	2058.2	2065.9	2070.5	2090.6	2089.0	2084.4	2090.6	2096.7	2098.3	2095.2
5°	2078.2	2062.8	2069.0	2073.6	2093.7	2104.4	2101.4	2127.5	2146.0	2141.4	2164.5
7.5°	2065.9	2075.2	2067.5	2090.6	2107.5	2133.7	2161.4	2186.1	2209.2	2235.4	2240.0
10°	2093.7	2093.7	2107.5	2126.0	2170.7	2190.7	2230.8	2266.2	2310.9	2341.7	2329.4
12.5°	2122.9	2127.5	2127.5	2175.3	2212.3	2257.0	2293.9	2341.7	2404.8	2441.8	2460.3
15°	2152.2	2155.3	2170.7	2235.4	2290.8	2361.7	2395.6	2438.7	2474.2	2543.5	2545.0
17.5°	2178.4	2195.3	2241.5	2314.0	2383.3	2451.1	2505.0	2549.7	2580.5	2608.2	2602.0
20°	2277.0	2289.3	2337.1	2409.5	2512.7	2578.9	2597.4	2605.1	2625.2	2680.6	2663.7
22.5°	2372.5	2377.1	2421.8	2532.7	2605.1	2692.9	2713.0	2708.3	2716.0	2729.9	2754.6
25°	2471.1	2478.8	2540.4	2634.4	2736.1	2840.8	2857.8	2822.3	2811.6	2827.0	2828.5
27.5°	2597.4	2599.0	2677.5	2759.2	2874.7	2973.3	2999.5	2971.8	2920.9	2933.3	2953.3
30°	2757.6	2746.9	2825.4	2942.5	3064.2	3119.7	3164.4	3150.5	3095.0	3084.2	3067.3
32.5°	2942.5	2945.6	3016.5	3144.3	3224.4	3316.9	3364.6	3341.5	3306.1	3287.6	3298.4
35°	3202.9	3216.7	3264.5	3370.8	3500.2	3546.4	3621.9	3572.6	3480.2	3503.3	3523.3
37.5°	3417.0	3457.1	3546.4	3672.7	3749.8	3834.5	3862.2	3796.0	3728.2	3700.5	3766.7
40°	3745.2	3732.8	3831.4	3957.8	4071.8	4156.5	4121.1	4054.8	3886.9	3888.4	3906.9
42.5°	4027.1	4033.2	4108.7	4259.7	4415.3	4467.7	4355.2	4193.5	4007.1	3987.0	4027.1
45°	4264.3	4289.0	4332.1	4533.9	4686.4	4743.5	4535.5	4344.4	4094.9	4011.7	4077.9
47.5°	4349.1	4389.1	4483.1	4668.0	4818.9	4865.2	4698.8	4424.6	4176.5	4040.9	4076.4
50°	4361.4	4347.5	4501.6	4671.0	4803.5	4903.7	4757.3	4483.1	4156.5	4085.6	4074.8
52.5°	4024.0	4091.8	4256.6	4489.3	4757.3	4917.5	4809.7	4515.4	4184.2	4104.1	4077.9
55°	3256.8	3176.7	3477.1	3868.4	4361.4	4806.6	4791.2	4532.4	4201.2	4134.9	4099.5
57.5°	1817.9	1841.0	2010.5	2435.7	3071.9	3811.4	4259.7	4353.7	4193.5	4154.9	4173.4
60°	841.2	848.9	921.3	1120.0	1514.4	2161.4	2751.5	3350.8	3626.5	3682.0	3682.0
62.5°	627.0	623.9	642.4	677.9	761.0	993.7	1326.4	1802.5	2181.5	2446.4	2515.8
65°	566.9	565.4	574.6	587.0	593.1	625.5	699.4	845.8	969.0	1039.9	1027.6
67.5°	496.1	494.5	497.6	505.3	516.1	533.0	551.5	582.3	625.5	622.4	614.7
70°	400.6	400.6	405.2	411.3	423.7	443.7	465.3	486.8	523.8	531.5	530.0
72.5°	295.8	291.2	300.4	312.7	325.1	349.7	372.8	392.8	419.0	426.7	423.7
75°	188.0	191.0	197.2	211.1	232.6	249.6	274.2	291.2	308.1	314.3	315.8
77.5°	104.8	107.8	118.6	135.6	157.1	175.6	197.2	211.1	221.8	223.4	224.9
80°	63.2	64.7	75.5	90.9	109.4	129.4	146.4	160.2	169.5	164.8	163.3
82.5°	38.5	40.1	49.3	63.2	78.6	94.0	112.5	124.8	134.0	127.9	121.7
85°	20.0	21.6	29.3	38.5	50.8	58.5	58.5	52.4	50.8	47.8	46.2
87.5°	6.2	6.2	7.7	9.2	7.7	9.2	10.8	12.3	12.3	13.9	12.3
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)