

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: P452544

Luminaire Tested: **GALN-SA3C-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19720 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

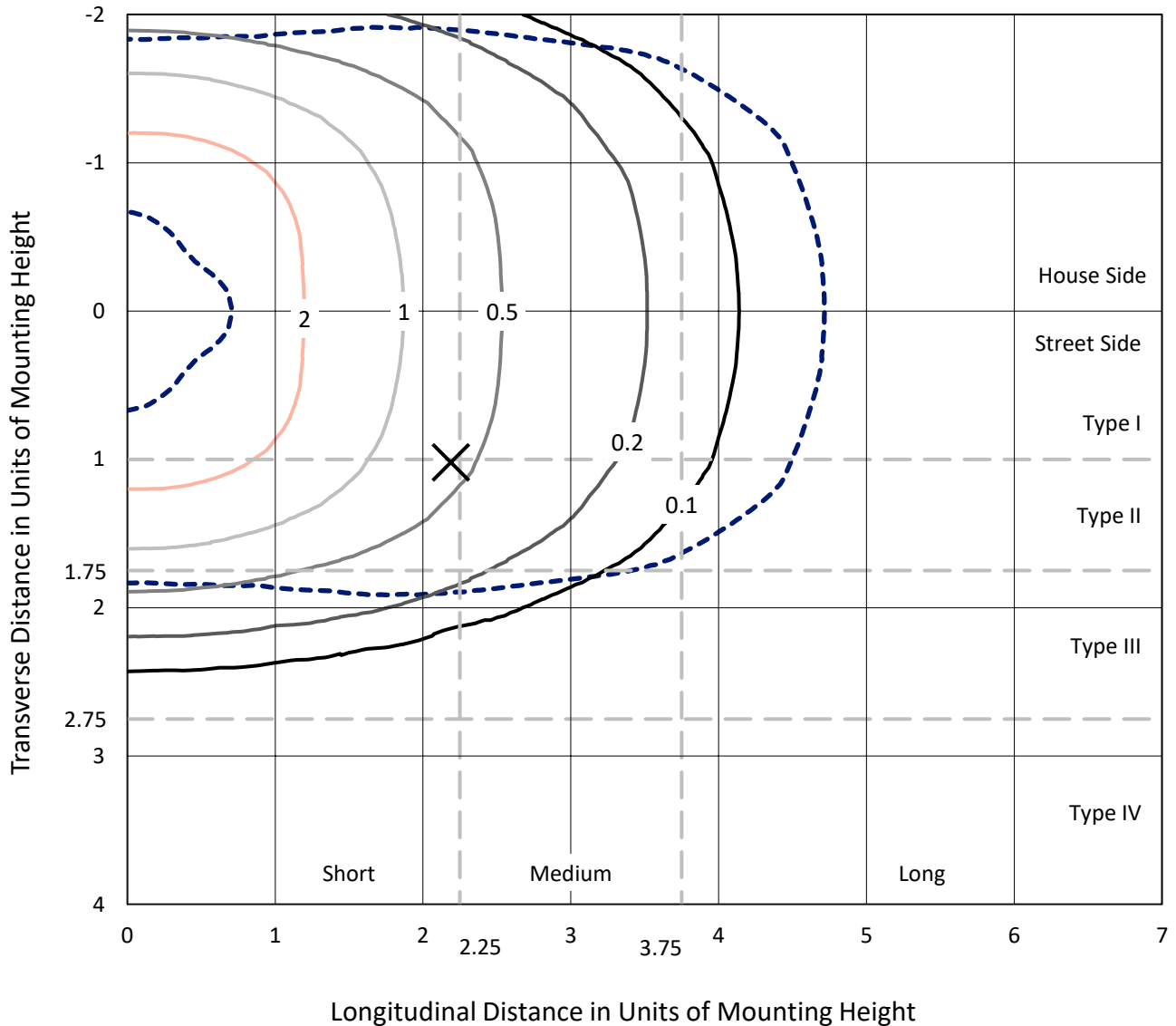
Input Watts (W): 160
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

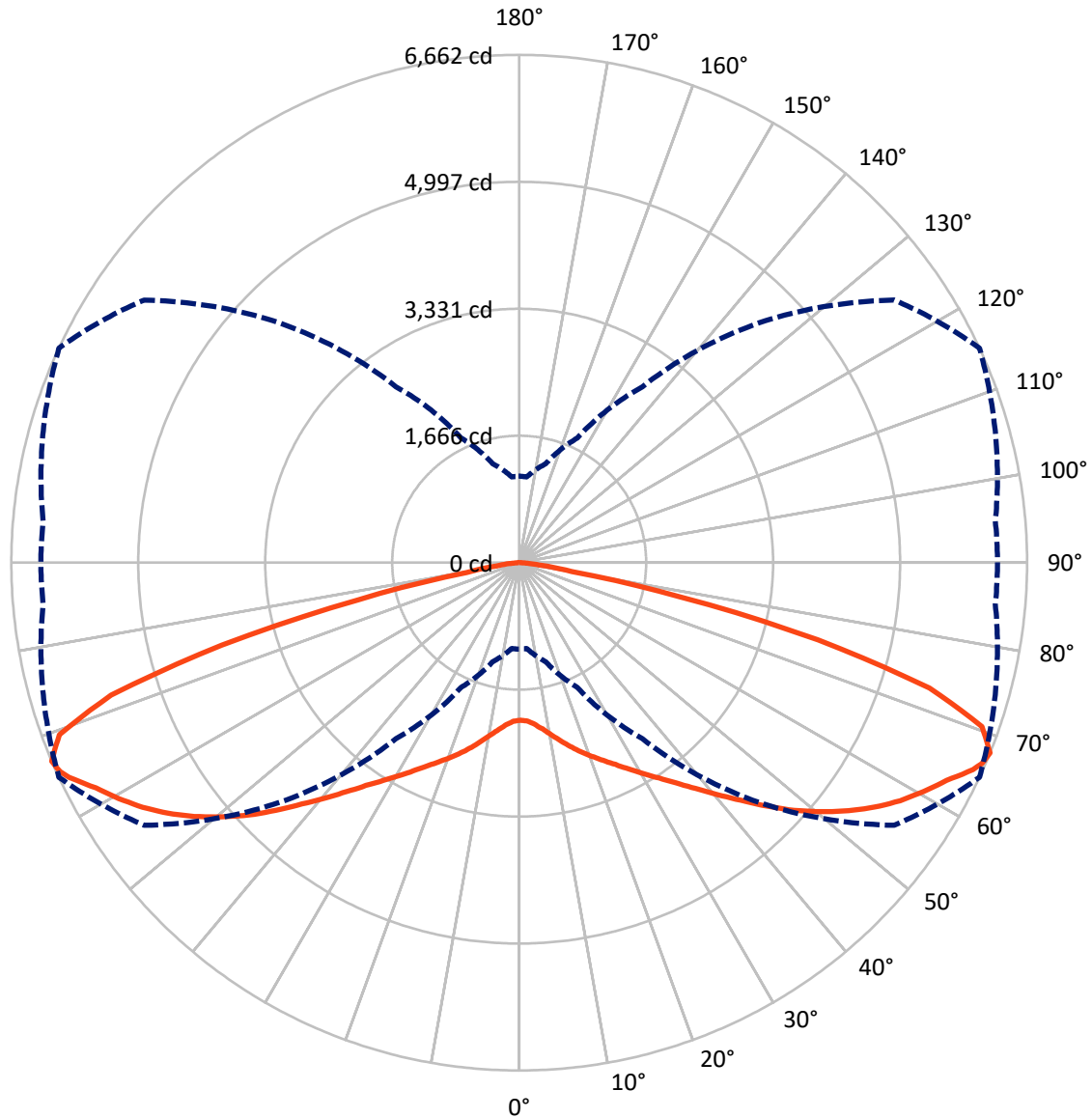
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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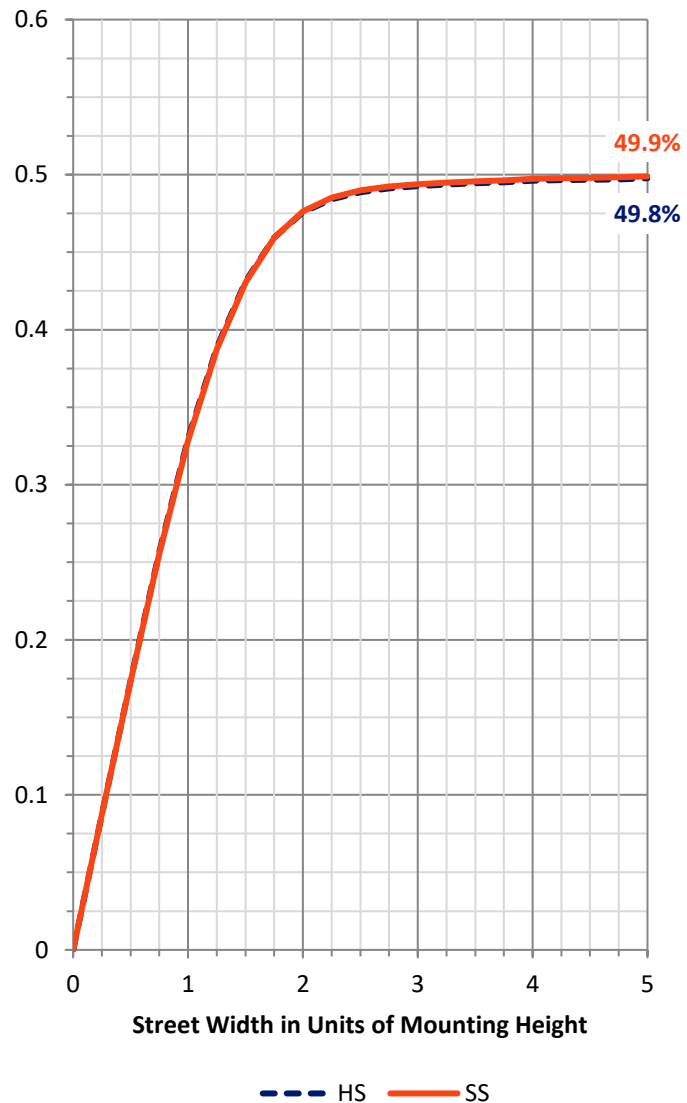
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9860.0	0.0	9860.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9860.0	0.0	9860.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19720.0	0.0	19720.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	1.0
10°-20°	681.8	3.5
20°-30°	1333.7	6.8
30°-40°	2268.4	11.5
40°-50°	3590.2	18.2
50°-60°	4760.5	24.1
60°-70°	4490.6	22.8
70°-80°	2220.0	11.3
80°-90°	171.1	0.9
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°	19720.0	100.0
0°-180°	19720.0	100.0



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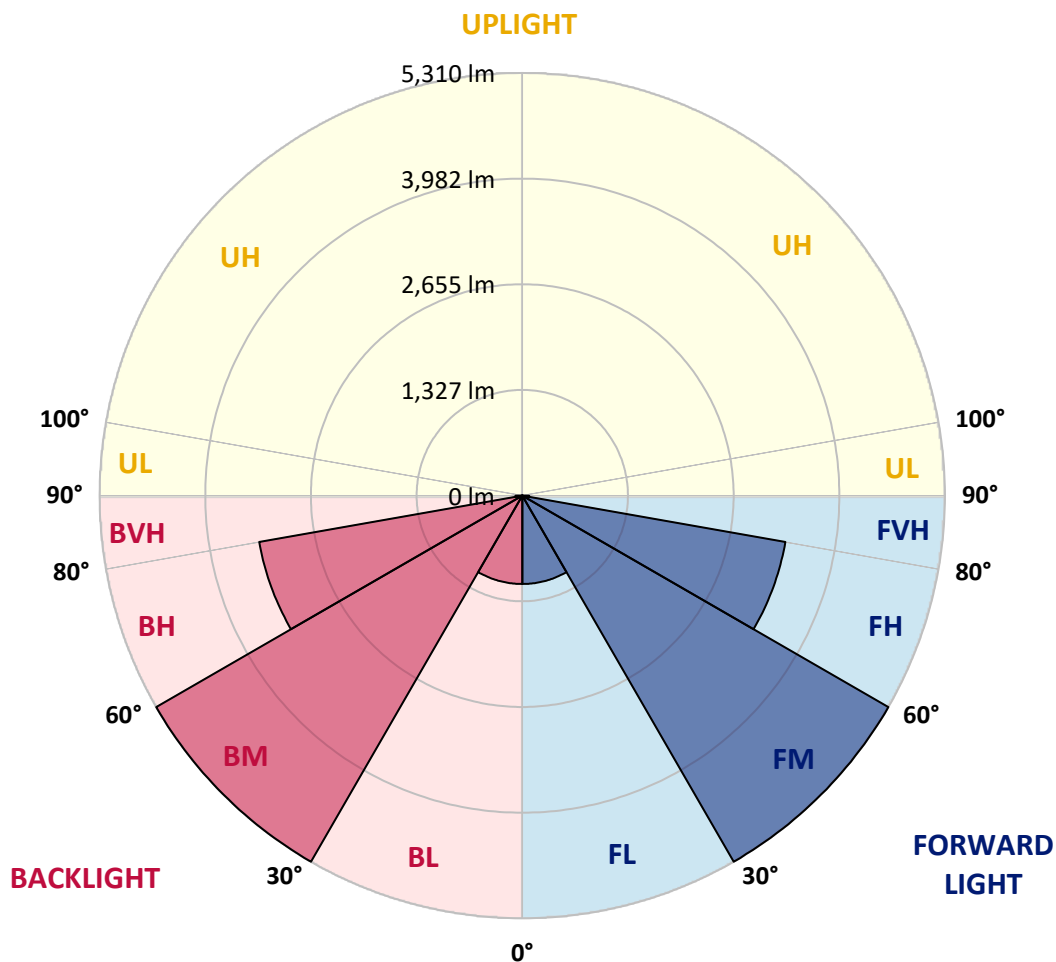
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1109.6	5.6			
FM	(30°-60°)	5309.6	26.9			
FH	(60°-80°)	3355.3	17.0			G2/5000
FVH	(80°-90°)	85.5	0.4			G1/100
BL	(0°-30°)	1109.6	5.6	B3/2500		
BM	(30°-60°)	5309.6	26.9	B4/8500		
BH	(60°-80°)	3355.3	17.0	B4/5000		G4/5000
BVH	(80°-90°)	85.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2065.5	2065.5	2065.5	2065.5	2065.5	2065.5	2065.5	2065.5	2065.5	2065.5	2065.5
2.5°	2054.9	2057.0	2059.2	2062.3	2066.6	2072.9	2077.1	2080.3	2088.7	2089.8	2088.7
5°	2047.5	2049.6	2054.9	2064.4	2078.2	2097.2	2112.0	2129.9	2143.7	2153.2	2151.1
7.5°	2046.5	2050.7	2059.2	2079.2	2105.6	2138.4	2172.2	2202.8	2229.3	2250.4	2247.2
10°	2063.4	2068.7	2082.4	2112.0	2153.2	2200.7	2248.3	2293.7	2331.7	2359.2	2368.7
12.5°	2091.9	2096.1	2121.5	2165.9	2225.0	2284.2	2338.1	2394.1	2446.9	2493.4	2493.4
15°	2141.6	2149.0	2180.7	2245.1	2318.0	2386.7	2441.6	2500.8	2557.8	2610.7	2626.5
17.5°	2210.2	2220.8	2268.3	2350.8	2443.7	2507.1	2558.9	2607.5	2657.1	2707.9	2715.3
20°	2304.3	2314.8	2378.2	2477.5	2587.4	2663.5	2698.4	2710.0	2734.3	2782.9	2789.2
22.5°	2432.1	2442.7	2513.5	2625.5	2748.0	2830.4	2845.2	2817.7	2811.4	2849.4	2853.7
25°	2576.9	2586.4	2667.7	2788.2	2914.9	3004.7	3000.5	2932.9	2894.9	2918.1	2924.4
27.5°	2739.6	2753.3	2835.7	2960.4	3097.7	3177.0	3164.3	3066.0	2984.7	2980.4	2982.6
30°	2947.7	2962.5	3040.7	3160.1	3295.3	3368.2	3341.8	3209.7	3084.0	3041.7	3041.7
32.5°	3167.4	3204.4	3283.7	3408.3	3514.0	3566.8	3526.7	3368.2	3201.3	3142.1	3138.9
35°	3453.8	3473.8	3552.0	3673.5	3752.8	3794.0	3716.8	3546.7	3354.5	3284.7	3275.2
37.5°	3733.7	3750.6	3841.5	3957.7	4053.9	4051.8	3947.2	3759.1	3544.6	3466.4	3460.1
40°	4020.1	4038.0	4141.6	4248.3	4344.4	4336.0	4209.2	3998.9	3770.7	3683.0	3699.9
42.5°	4268.3	4288.4	4405.7	4557.8	4644.5	4642.3	4495.5	4258.8	4021.1	3942.9	3957.7
45°	4494.4	4512.4	4648.7	4823.0	4949.8	4965.6	4805.1	4554.7	4310.6	4210.2	4214.5
47.5°	4654.0	4687.8	4830.4	5030.1	5202.3	5258.3	5100.9	4855.8	4574.7	4470.1	4476.5
50°	4775.5	4796.6	4951.9	5179.1	5396.7	5512.9	5386.1	5134.7	4838.9	4727.9	4742.7
52.5°	4790.3	4815.6	4984.7	5246.7	5525.6	5702.0	5639.7	5407.3	5108.3	4994.2	5025.9
55°	4669.8	4684.6	4886.4	5204.4	5576.3	5842.6	5858.4	5660.8	5365.0	5278.4	5299.5
57.5°	4326.4	4364.5	4620.2	5006.8	5506.6	5917.6	6022.2	5891.2	5624.9	5539.3	5573.1
60°	3763.3	3801.4	4058.1	4548.3	5243.5	5882.7	6157.4	6095.1	5860.5	5791.8	5809.8
62.5°	2948.7	2945.6	3263.6	3864.7	4720.5	5711.5	6257.8	6291.6	6092.9	6006.3	6033.8
65°	1911.2	1920.8	2228.2	2875.8	3931.3	5276.3	6280.0	6542.0	6321.2	6190.1	6210.2
66°	1537.2	1565.8	1826.7	2423.7	3528.8	4991.0	6213.4	6615.9	6390.9	6232.4	6241.9
67.5°	1134.7	1129.4	1343.9	1804.5	2817.7	4449.0	6005.3	6662.4	6470.1	6270.4	6274.7
70°	647.6	646.6	722.7	991.0	1656.6	3132.6	5061.8	6439.5	6630.7	6407.8	6396.2
72.5°	473.3	470.2	480.7	547.3	808.2	1581.6	3491.8	5628.1	6548.3	6385.6	6352.9
75°	397.3	395.1	393.0	401.5	453.2	716.3	1853.1	4048.6	5682.0	5993.6	5959.8
77.5°	324.4	324.4	325.4	323.3	325.4	377.2	768.1	2170.1	3460.1	3862.6	3956.7
80°	253.6	252.5	270.5	263.1	246.2	241.9	340.2	698.4	1148.4	1142.1	942.4
82.5°	187.0	174.3	206.0	200.7	181.7	154.3	198.6	297.9	383.5	249.3	184.9
85°	118.3	117.3	145.8	133.1	110.9	72.9	95.1	127.8	158.5	96.1	78.2
87.5°	21.1	20.1	46.5	33.8	33.8	21.1	26.4	34.9	51.8	35.9	26.4
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)