

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: P530045

Luminaire Tested: **GALN-SA5B-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530045
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-SA5B-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA 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: 13537 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

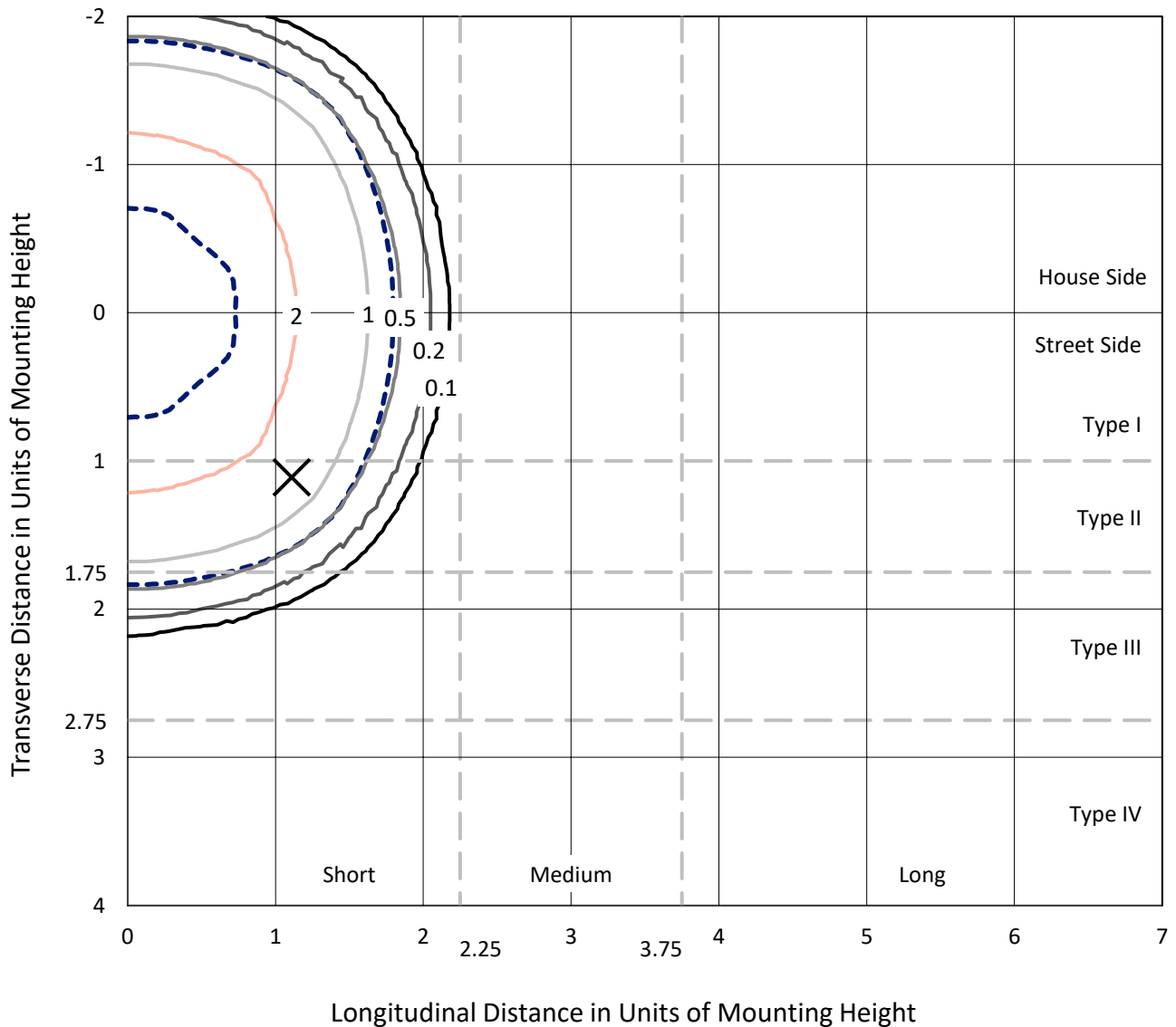
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

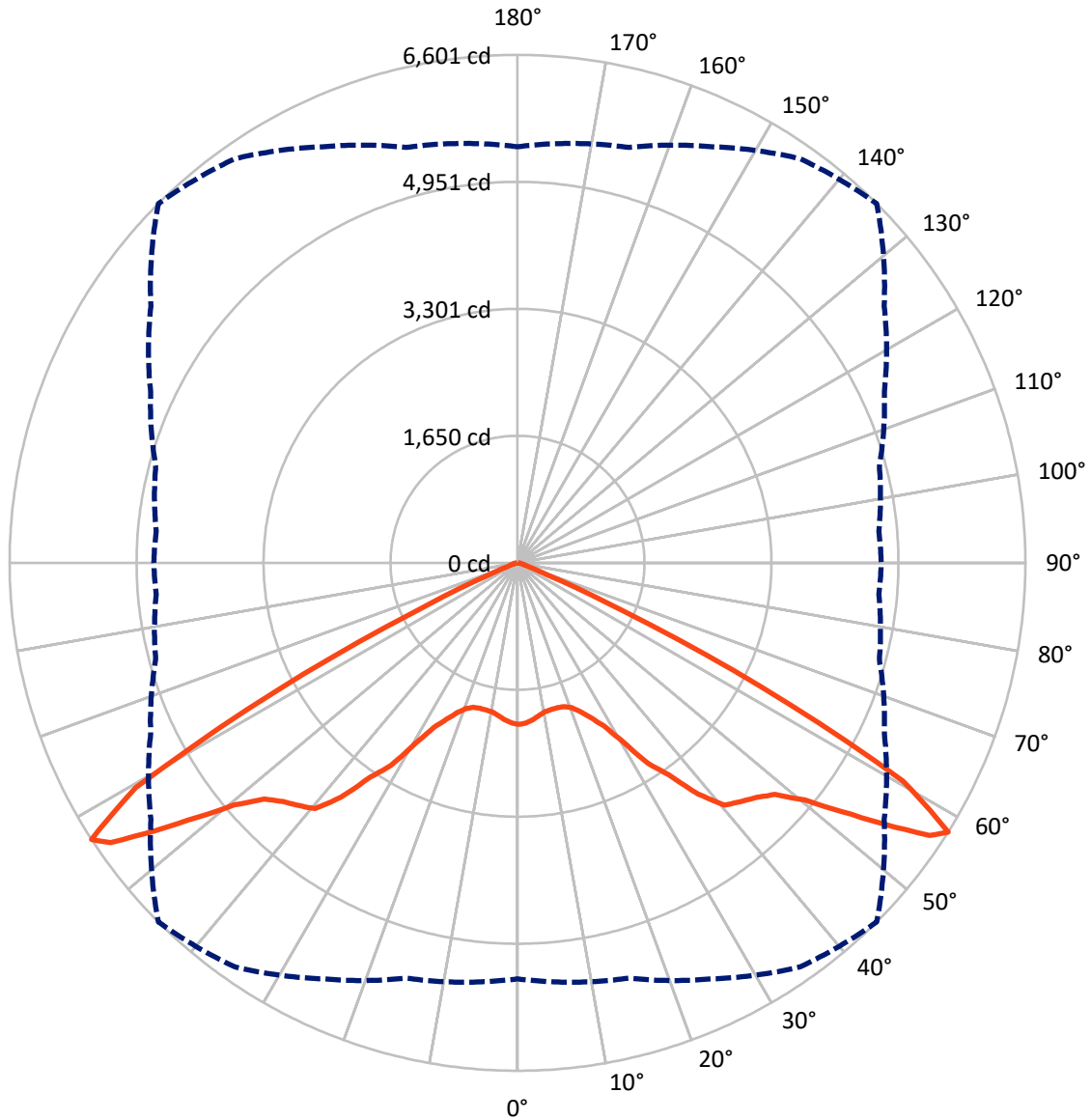
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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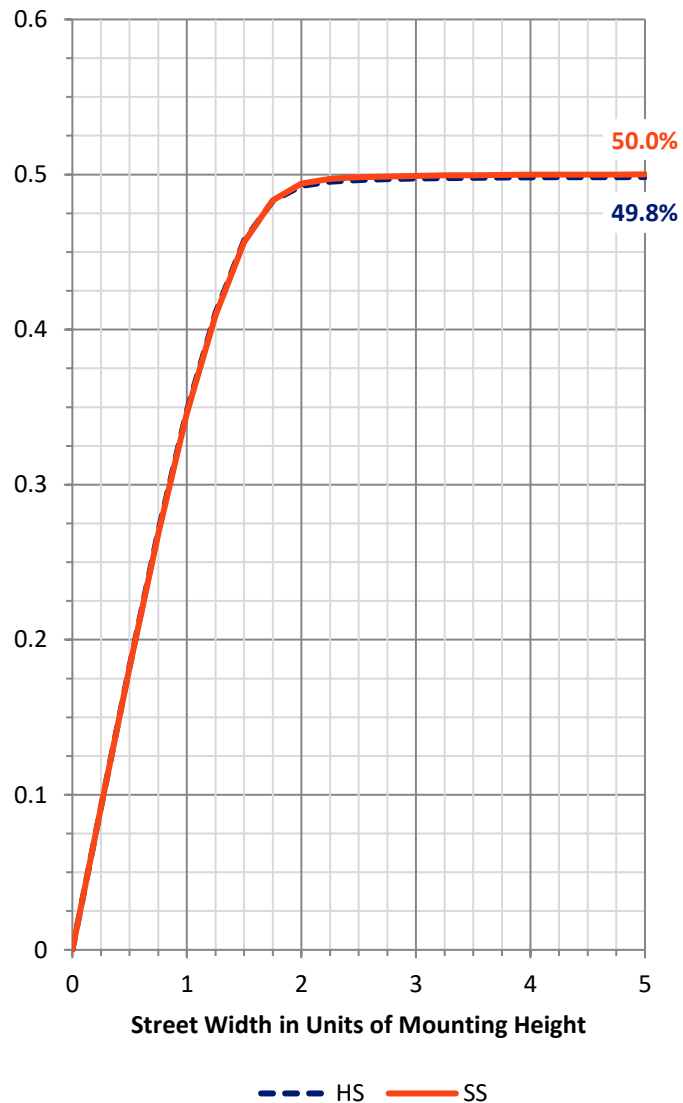
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6768.5	0.0	6768.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6768.5	0.0	6768.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13537.0	0.0	13537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.0	1.4
10°-20°	557.7	4.1
20°-30°	1029.5	7.6
30°-40°	2024.6	15.0
40°-50°	3297.5	24.4
50°-60°	4702.7	34.7
60°-70°	1628.2	12.0
70°-80°	87.3	0.6
80°-90°	16.4	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°	13537.0	100.0
0°-180°	13537.0	100.0

Coefficient of Utilization

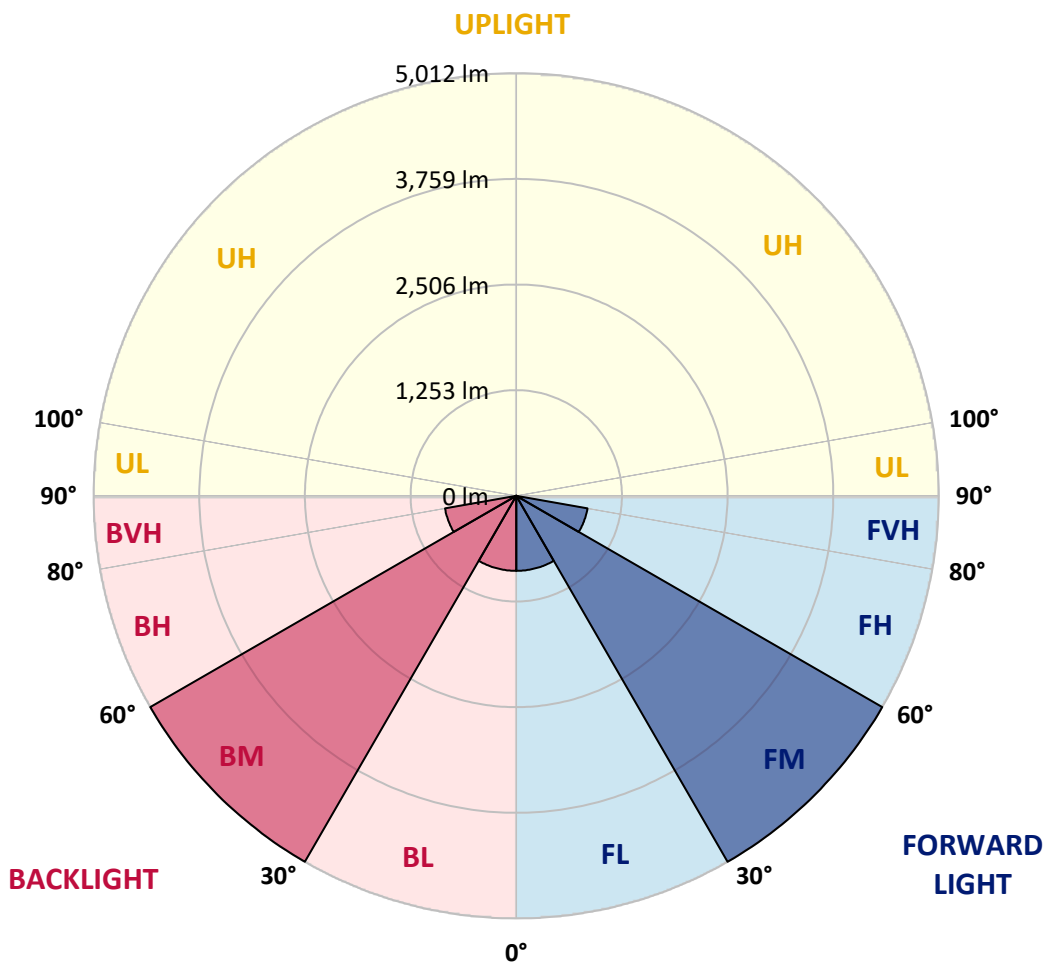


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	890.1	6.6			
FM (30°-60°)	5012.4	37.0			
FH (60°-80°)	857.8	6.3			G1/1800
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	890.1	6.6	B2/1000		
BM (30°-60°)	5012.4	37.0	B4/8500		
BH (60°-80°)	857.8	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.2	0.1			G0/10
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°	2099.7	2099.7	2099.7	2099.7	2099.7	2099.7	2099.7	2099.7	2099.7	2099.7	2099.7
2.5°	2094.1	2105.4	2091.3	2085.6	2082.8	2082.8	2074.3	2074.3	2071.5	2074.3	2063.0
5°	2060.2	2071.5	2071.5	2068.7	2051.8	2048.9	2040.5	2034.8	2037.6	2026.4	2034.8
7.5°	2026.4	2034.8	2023.5	2020.7	2015.1	2003.8	2001.0	1975.6	1978.4	1978.4	1984.0
10°	2020.7	2017.9	2001.0	1986.8	1969.9	1967.1	1958.6	1953.0	1953.0	1950.2	1958.6
12.5°	2020.7	2006.6	2003.8	1972.7	1944.5	1955.8	1933.2	1919.1	1938.9	1944.5	1955.8
15°	2017.9	2032.0	1984.0	1969.9	1950.2	1953.0	1933.2	1919.1	1930.4	1936.0	1944.5
17.5°	2034.8	2026.4	2012.2	1984.0	1975.6	1964.3	1938.9	1927.6	1927.6	1941.7	1944.5
20°	2080.0	2057.4	2029.2	2015.1	2023.5	2009.4	1978.4	1936.0	1947.3	1958.6	1967.1
22.5°	2122.3	2105.4	2085.6	2077.2	2125.1	2102.6	2048.9	2001.0	1984.0	2003.8	2017.9
25°	2204.2	2204.2	2167.5	2178.8	2232.4	2235.2	2173.1	2088.4	2077.2	2085.6	2091.3
27.5°	2370.7	2379.1	2348.1	2359.4	2382.0	2401.7	2348.1	2277.5	2252.1	2249.3	2257.8
30°	2551.3	2568.2	2565.4	2613.4	2678.3	2689.6	2610.6	2494.8	2418.6	2404.5	2415.8
32.5°	2788.4	2796.8	2791.2	2847.6	3022.6	3104.4	2898.4	2734.7	2633.1	2658.5	2633.1
35°	3234.3	3225.8	3163.7	3175.0	3318.9	3378.2	3180.6	3076.2	3028.2	3079.0	3067.8
37.5°	3618.1	3587.0	3536.2	3609.6	3759.2	3812.8	3606.8	3423.4	3335.9	3420.5	3457.2
40°	3942.6	3863.6	3793.1	3866.4	4066.8	4140.2	3838.2	3688.6	3654.8	3716.9	3795.9
42.5°	4216.4	4165.6	4072.5	4078.1	4210.7	4244.6	4001.9	3914.4	3880.6	3979.3	4018.8
45°	4411.1	4363.1	4275.7	4270.0	4371.6	4349.0	4131.7	4072.5	4092.2	4157.1	4176.9
47.5°	4509.9	4535.3	4484.5	4498.6	4552.2	4498.6	4326.5	4326.5	4281.3	4320.8	4301.1
50°	4794.9	4715.9	4780.8	4780.8	4837.3	4842.9	4670.8	4608.7	4487.3	4419.6	4419.6
52.5°	5128.0	5133.6	5159.0	5252.1	5348.1	5429.9	5184.4	4919.1	4715.9	4628.4	4617.1
55°	5401.7	5458.2	5559.8	5734.7	6011.3	6124.2	5700.9	5226.7	4978.4	4842.9	4814.7
56°	5551.3	5497.7	5672.7	5912.5	6273.8	6420.5	5785.5	5288.8	5015.1	4862.7	4859.9
57.5°	5407.4	5466.6	5588.0	5966.2	6409.3	6601.2	5816.6	5260.6	4868.3	4713.1	4727.2
60°	4270.0	4326.5	4490.1	4913.5	5607.7	5757.3	4921.9	4337.7	3987.8	3764.8	3767.7
62.5°	2415.8	2458.2	2585.2	2977.4	3409.2	3553.2	3067.8	2678.3	2435.6	2311.4	2271.9
65°	889.0	872.1	891.8	1092.2	1357.5	1478.8	1275.6	1078.1	951.1	905.9	889.0
67.5°	333.0	307.6	287.9	307.6	386.6	409.2	375.4	313.3	293.5	302.0	307.6
70°	206.0	194.7	155.2	146.8	143.9	141.1	149.6	158.0	180.6	211.7	217.3
72.5°	143.9	135.5	110.1	104.4	98.8	96.0	110.1	121.4	141.1	163.7	166.5
75°	56.4	59.3	56.4	62.1	64.9	67.7	79.0	87.5	96.0	96.0	93.1
77.5°	11.3	11.3	16.9	22.6	28.2	36.7	53.6	62.1	64.9	62.1	53.6
80°	0.0	0.0	5.6	11.3	22.6	31.0	48.0	53.6	59.3	53.6	42.3
82.5°	0.0	0.0	5.6	14.1	22.6	28.2	45.2	56.4	64.9	59.3	45.2
85°	0.0	0.0	5.6	11.3	16.9	19.8	19.8	14.1	14.1	8.5	5.6
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)