

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: P530071

Luminaire Tested: **GALN-SA5B-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530071
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-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 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: 13846 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

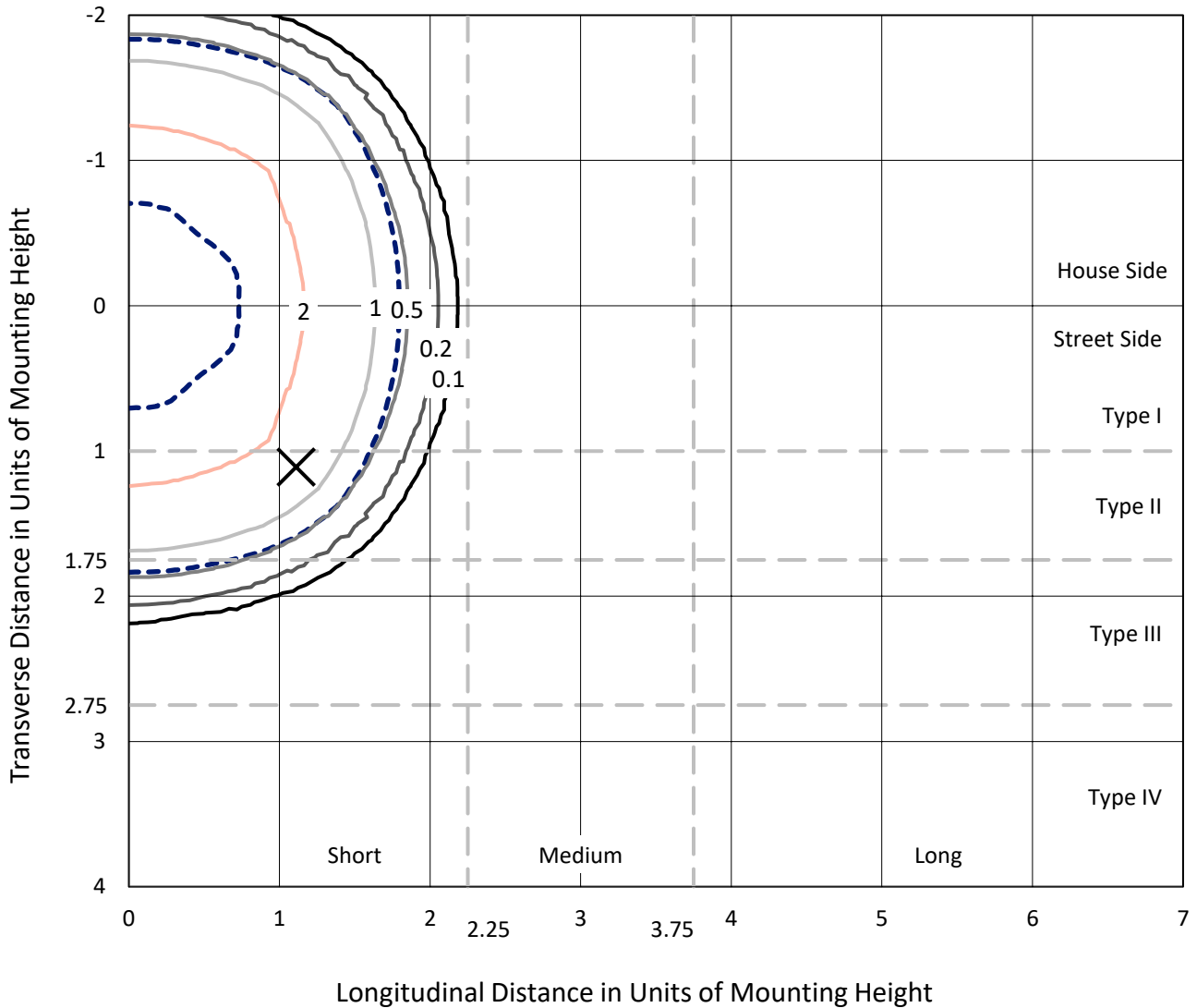
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

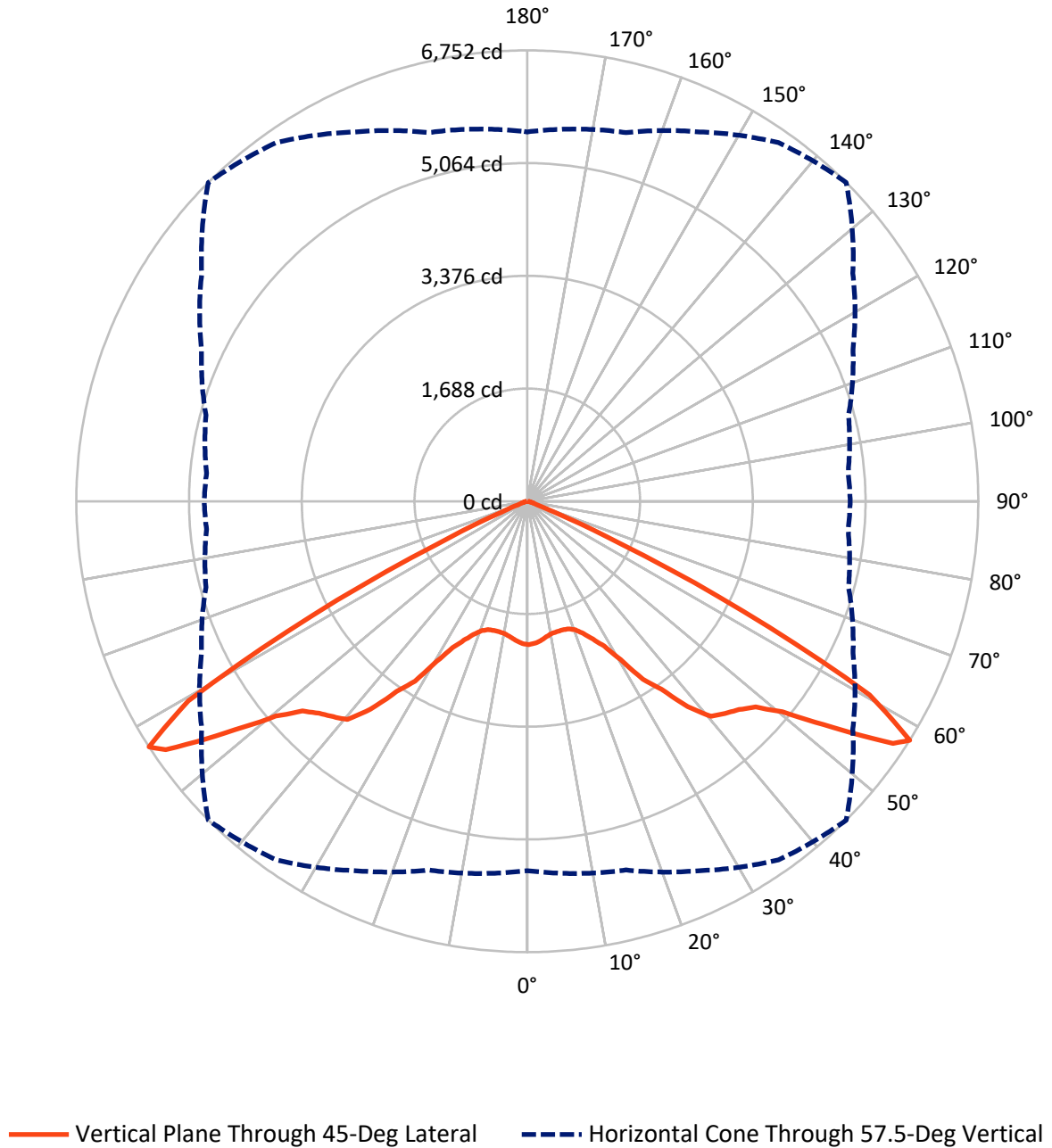
✕ Max cd
 - - - 1/2 Max cd



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



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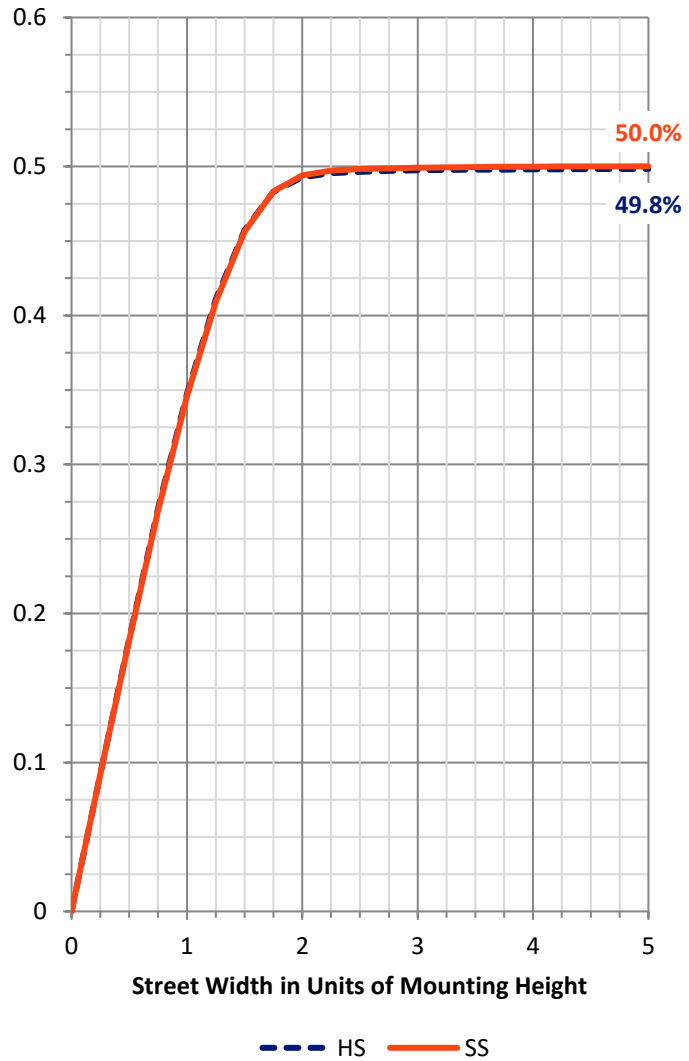
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6923.0	0.0	6923.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6923.0	0.0	6923.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13846.0	0.0	13846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	1.4
10°-20°	570.5	4.1
20°-30°	1053.0	7.6
30°-40°	2070.8	15.0
40°-50°	3372.8	24.4
50°-60°	4810.1	34.7
60°-70°	1665.4	12.0
70°-80°	89.3	0.6
80°-90°	16.8	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°	13846.0	100.0
0°-180°	13846.0	100.0

Coefficient of Utilization

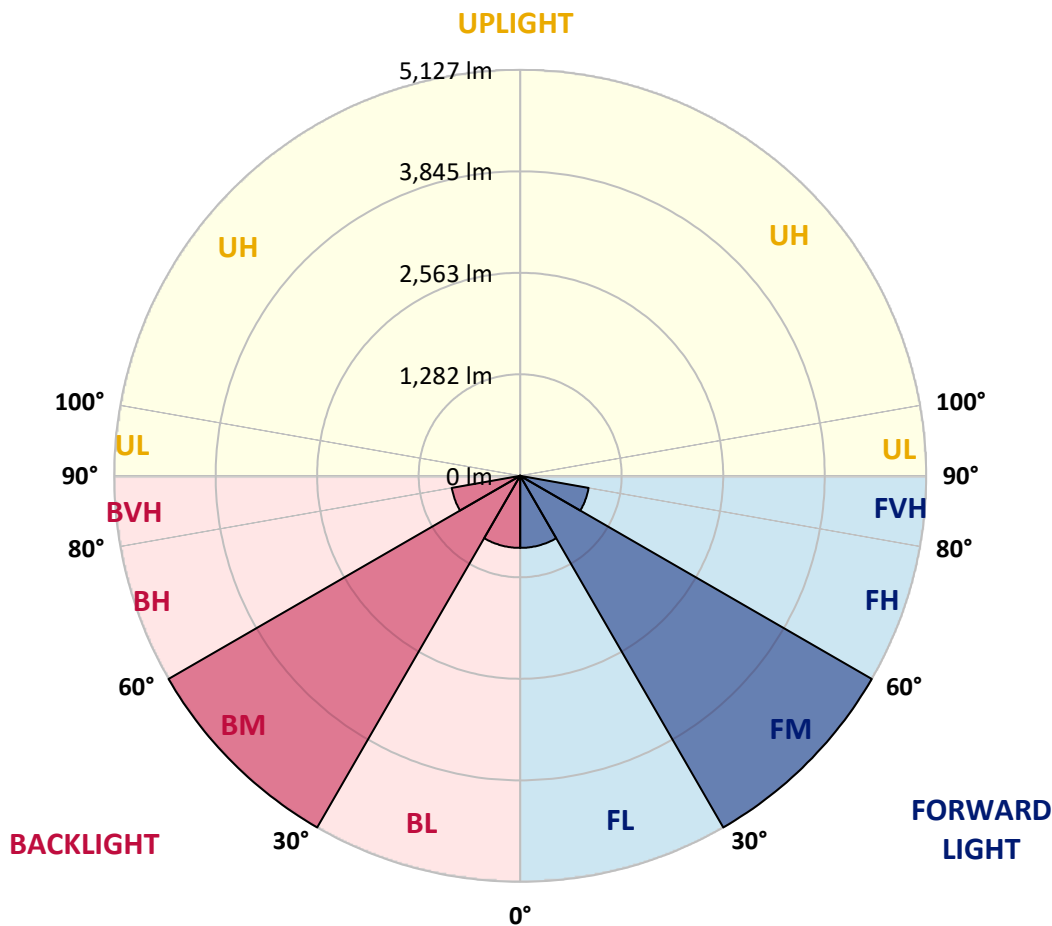


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	910.4	6.6			
FM (30°-60°)	5126.9	37.0			
FH (60°-80°)	877.3	6.3			G1/1800
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	910.4	6.6	B2/1000		
BM (30°-60°)	5126.9	37.0	B4/8500		
BH (60°-80°)	877.3	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.4	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°	2147.7	2147.7	2147.7	2147.7	2147.7	2147.7	2147.7	2147.7	2147.7	2147.7	2147.7
2.5°	2141.9	2153.4	2139.0	2133.2	2130.3	2130.3	2121.7	2121.7	2118.8	2121.7	2110.1
5°	2107.2	2118.8	2118.8	2115.9	2098.6	2095.7	2087.0	2081.3	2084.2	2072.6	2081.3
7.5°	2072.6	2081.3	2069.7	2066.8	2061.1	2049.5	2046.6	2020.6	2023.5	2023.5	2029.3
10°	2066.8	2063.9	2046.6	2032.2	2014.9	2012.0	2003.3	1997.6	1997.6	1994.7	2003.3
12.5°	2066.8	2052.4	2049.5	2017.8	1988.9	2000.4	1977.3	1962.9	1983.1	1988.9	2000.4
15°	2063.9	2078.4	2029.3	2014.9	1994.7	1997.6	1977.3	1962.9	1974.5	1980.2	1988.9
17.5°	2081.3	2072.6	2058.2	2029.3	2020.6	2009.1	1983.1	1971.6	1971.6	1986.0	1988.9
20°	2127.5	2104.4	2075.5	2061.1	2069.7	2055.3	2023.5	1980.2	1991.8	2003.3	2012.0
22.5°	2170.8	2153.4	2133.2	2124.6	2173.6	2150.5	2095.7	2046.6	2029.3	2049.5	2063.9
25°	2254.5	2254.5	2216.9	2228.5	2283.3	2286.2	2222.7	2136.1	2124.6	2133.2	2139.0
27.5°	2424.8	2433.4	2401.7	2413.2	2436.3	2456.5	2401.7	2329.5	2303.5	2300.7	2309.3
30°	2609.5	2626.8	2624.0	2673.0	2739.4	2751.0	2670.1	2551.8	2473.8	2459.4	2471.0
32.5°	2852.0	2860.7	2854.9	2912.6	3091.6	3175.3	2964.6	2797.2	2693.2	2719.2	2693.2
35°	3308.1	3299.4	3235.9	3247.5	3394.7	3455.3	3253.2	3146.4	3097.4	3149.3	3137.8
37.5°	3700.7	3668.9	3617.0	3692.0	3845.0	3899.8	3689.1	3501.5	3412.0	3498.6	3536.1
40°	4032.6	3951.8	3879.6	3954.7	4159.6	4234.7	3925.8	3772.8	3738.2	3801.7	3882.5
42.5°	4312.6	4260.7	4165.4	4171.2	4306.9	4341.5	4093.3	4003.8	3969.1	4070.2	4110.6
45°	4511.8	4462.7	4373.3	4367.5	4471.4	4448.3	4226.0	4165.4	4185.6	4252.0	4272.2
47.5°	4612.8	4638.8	4586.9	4601.3	4656.1	4601.3	4425.2	4425.2	4379.0	4419.4	4399.2
50°	4904.4	4823.6	4890.0	4890.0	4947.7	4953.5	4777.4	4713.9	4589.8	4520.5	4520.5
52.5°	5245.0	5250.8	5276.8	5372.0	5470.2	5553.9	5302.8	5031.4	4823.6	4734.1	4722.5
55°	5525.0	5582.8	5686.7	5865.7	6148.5	6264.0	5831.0	5346.1	5092.0	4953.5	4924.6
56°	5678.0	5623.2	5802.1	6047.5	6417.0	6567.1	5917.6	5409.6	5129.6	4973.7	4970.8
57.5°	5530.8	5591.4	5715.5	6102.4	6555.6	6751.8	5949.4	5380.7	4979.5	4820.7	4835.1
60°	4367.5	4425.2	4592.6	5025.6	5735.8	5888.7	5034.3	4436.8	4078.8	3850.8	3853.7
62.5°	2471.0	2514.3	2644.2	3045.4	3487.1	3634.3	3137.8	2739.4	2491.2	2364.2	2323.7
65°	909.3	892.0	912.2	1117.1	1388.5	1512.6	1304.8	1102.7	972.8	926.6	909.3
67.5°	340.6	314.6	294.4	314.6	395.5	418.6	383.9	320.4	300.2	308.9	314.6
70°	210.7	199.2	158.8	150.1	147.2	144.3	153.0	161.7	184.7	216.5	222.3
72.5°	147.2	138.6	112.6	106.8	101.0	98.1	112.6	124.1	144.3	167.4	170.3
75°	57.7	60.6	57.7	63.5	66.4	69.3	80.8	89.5	98.1	98.1	95.3
77.5°	11.5	11.5	17.3	23.1	28.9	37.5	54.8	63.5	66.4	63.5	54.8
80°	0.0	0.0	5.8	11.5	23.1	31.8	49.1	54.8	60.6	54.8	43.3
82.5°	0.0	0.0	5.8	14.4	23.1	28.9	46.2	57.7	66.4	60.6	46.2
85°	0.0	0.0	5.8	11.5	17.3	20.2	20.2	14.4	14.4	8.7	5.8
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)