

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: P531137

Luminaire Tested: **GALN-SA6B-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531137
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-SA6B-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 13986 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

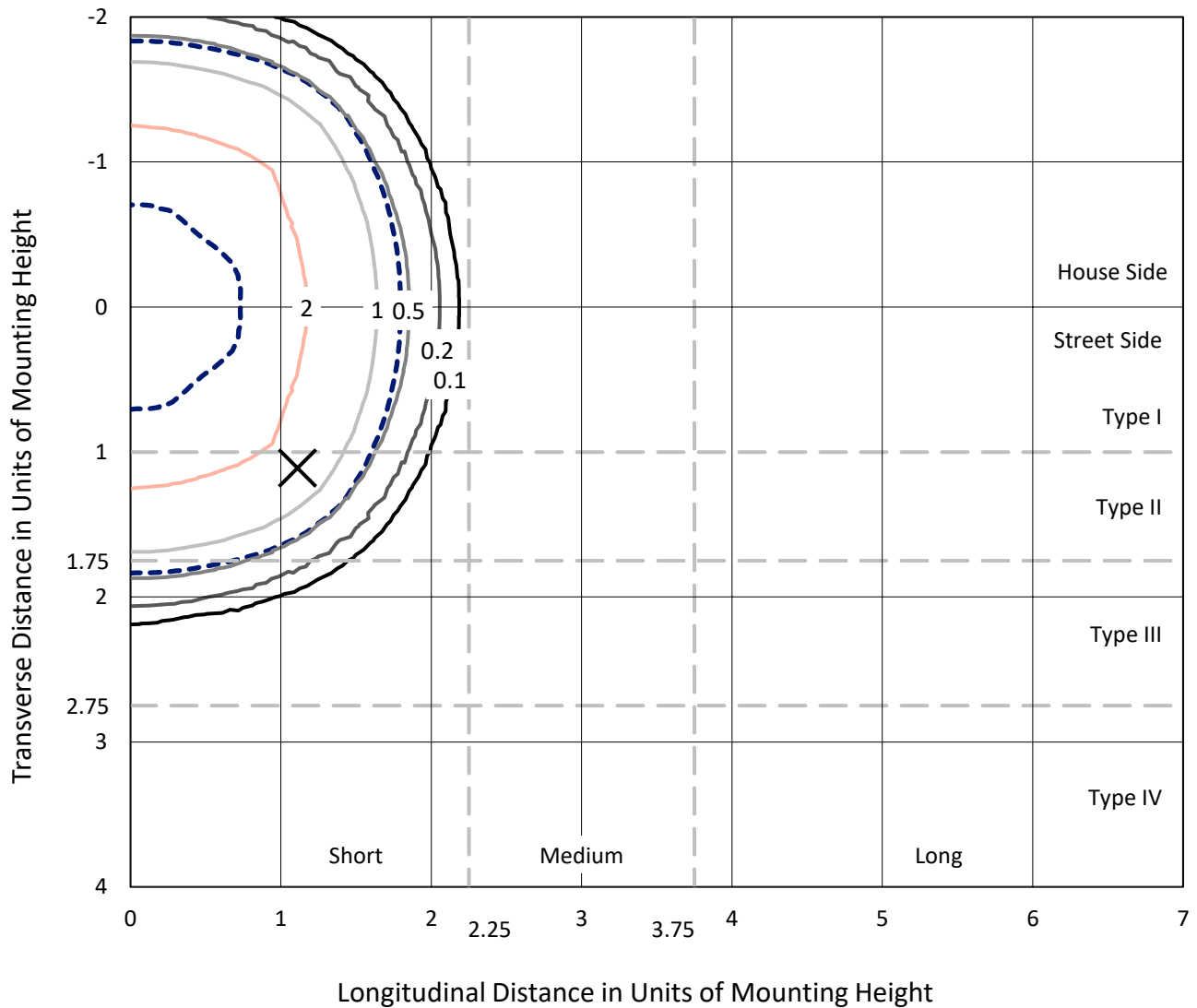
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

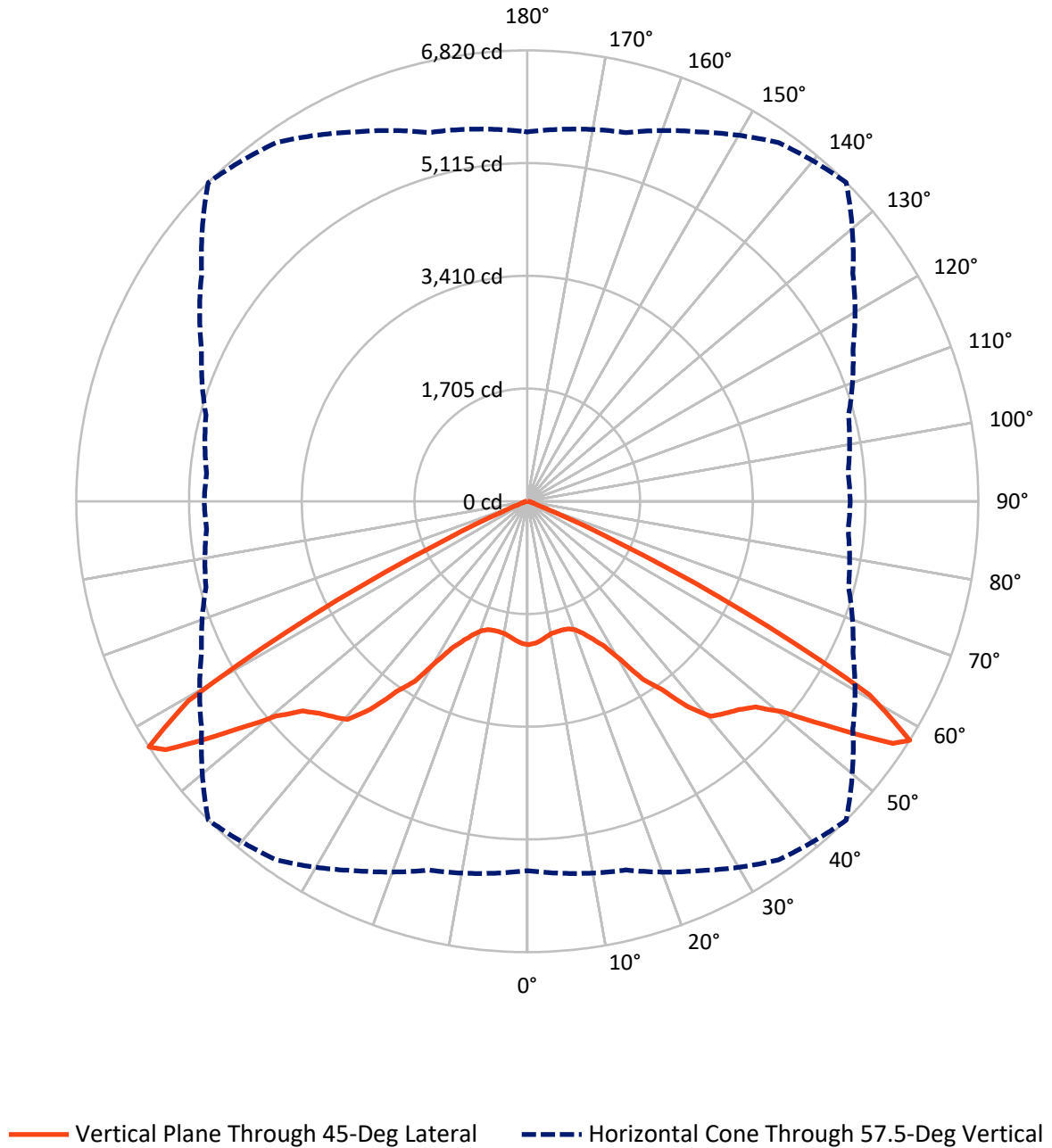
✕ Max cd
 - - - 1/2 Max cd



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



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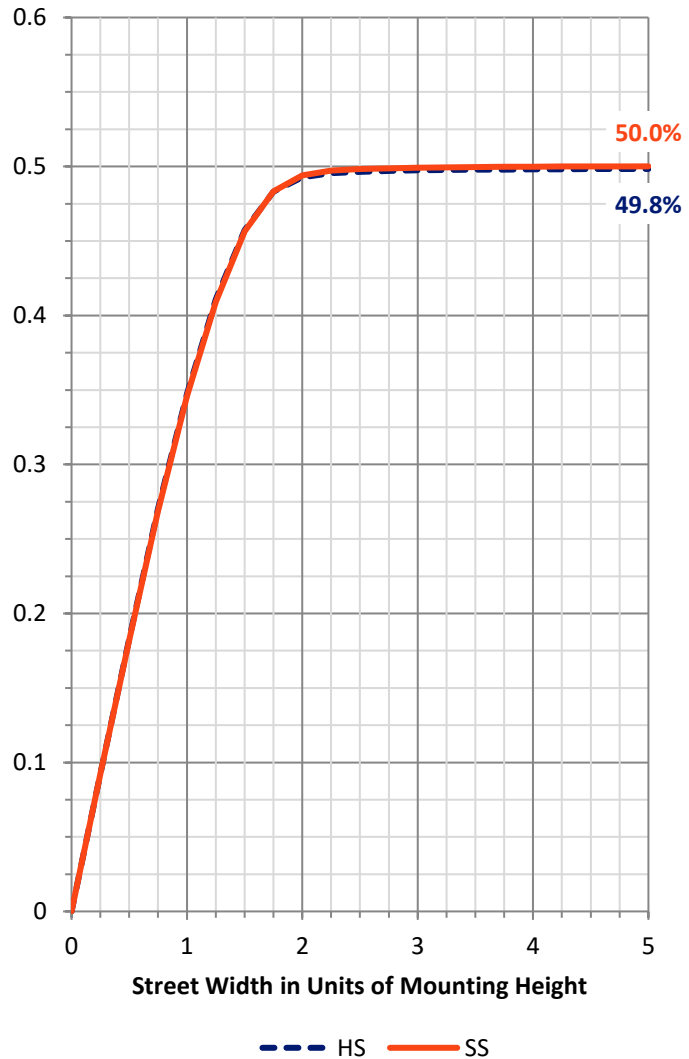
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6993.0	0.0	6993.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6993.0	0.0	6993.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13986.0	0.0	13986.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.3	1.4
10°-20°	576.2	4.1
20°-30°	1063.6	7.6
30°-40°	2091.8	15.0
40°-50°	3406.9	24.4
50°-60°	4858.7	34.7
60°-70°	1682.2	12.0
70°-80°	90.2	0.6
80°-90°	17.0	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°	13986.0	100.0
0°-180°	13986.0	100.0

Coefficient of Utilization



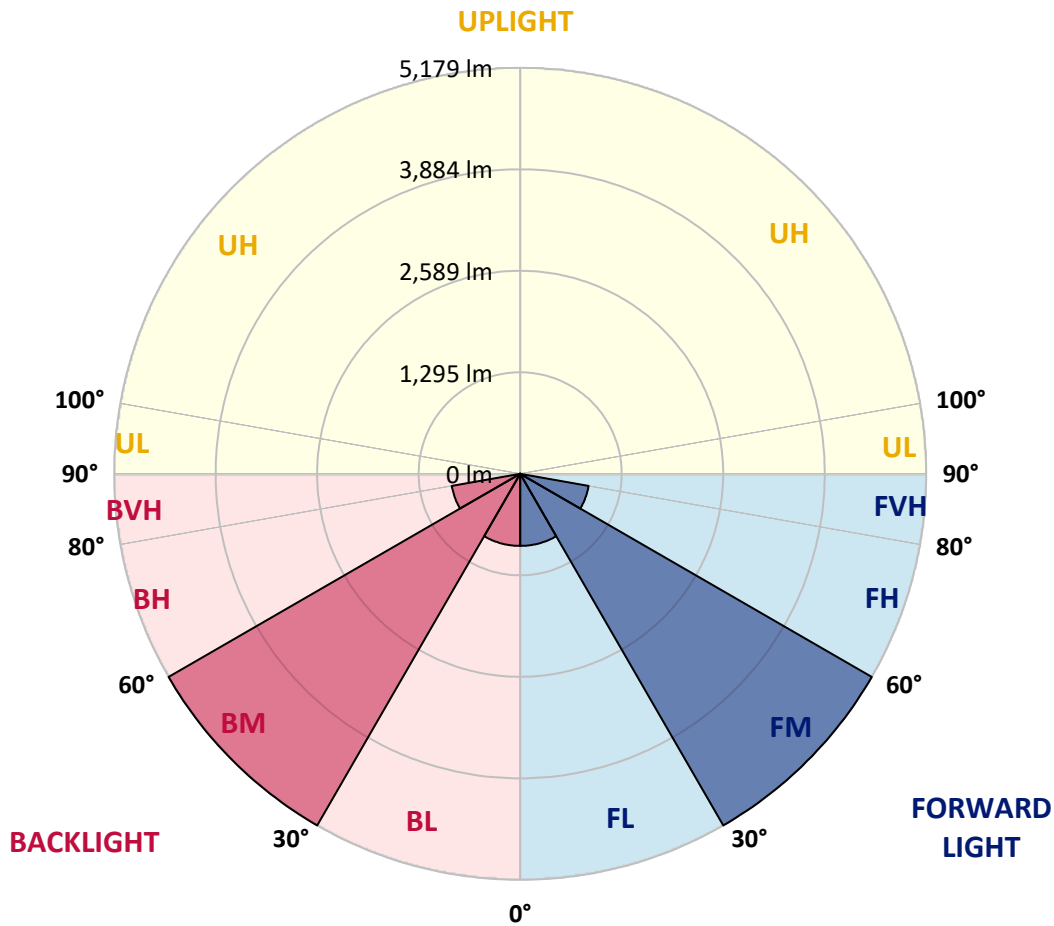
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.6	6.6			
FM (30°-60°)	5178.7	37.0			
FH (60°-80°)	886.2	6.3			G1/1800
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	919.6	6.6	B2/1000		
BM (30°-60°)	5178.7	37.0	B4/8500		
BH (60°-80°)	886.2	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.5	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°	2169.4	2169.4	2169.4	2169.4	2169.4	2169.4	2169.4	2169.4	2169.4	2169.4	2169.4
2.5°	2163.5	2175.2	2160.6	2154.8	2151.9	2151.9	2143.1	2143.1	2140.2	2143.1	2131.5
5°	2128.6	2140.2	2140.2	2137.3	2119.8	2116.9	2108.1	2102.3	2105.2	2093.6	2102.3
7.5°	2093.6	2102.3	2090.6	2087.7	2081.9	2070.2	2067.3	2041.1	2044.0	2044.0	2049.8
10°	2087.7	2084.8	2067.3	2052.7	2035.2	2032.3	2023.6	2017.8	2017.8	2014.8	2023.6
12.5°	2087.7	2073.2	2070.2	2038.2	2009.0	2020.7	1997.3	1982.8	2003.2	2009.0	2020.7
15°	2084.8	2099.4	2049.8	2035.2	2014.8	2017.8	1997.3	1982.8	1994.4	2000.3	2009.0
17.5°	2102.3	2093.6	2079.0	2049.8	2041.1	2029.4	2003.2	1991.5	1991.5	2006.1	2009.0
20°	2149.0	2125.6	2096.5	2081.9	2090.6	2076.1	2044.0	2000.3	2011.9	2023.6	2032.3
22.5°	2192.7	2175.2	2154.8	2146.0	2195.6	2172.3	2116.9	2067.3	2049.8	2070.2	2084.8
25°	2277.3	2277.3	2239.4	2251.0	2306.4	2309.3	2245.2	2157.7	2146.0	2154.8	2160.6
27.5°	2449.3	2458.0	2426.0	2437.6	2461.0	2481.4	2426.0	2353.1	2326.8	2323.9	2332.7
30°	2635.9	2653.4	2650.5	2700.1	2767.1	2778.8	2697.1	2577.6	2498.9	2484.3	2495.9
32.5°	2880.8	2889.6	2883.8	2942.1	3122.9	3207.4	2994.6	2825.4	2720.5	2746.7	2720.5
35°	3341.5	3332.8	3268.6	3280.3	3429.0	3490.2	3286.1	3178.3	3128.7	3181.2	3169.5
37.5°	3738.1	3706.0	3653.5	3729.3	3883.9	3939.3	3726.4	3536.9	3446.5	3534.0	3571.9
40°	4073.4	3991.8	3918.9	3994.7	4201.7	4277.5	3965.5	3811.0	3776.0	3840.1	3921.8
42.5°	4356.2	4303.8	4207.5	4213.4	4350.4	4385.4	4134.6	4044.3	4009.3	4111.3	4152.1
45°	4557.4	4507.9	4417.5	4411.6	4516.6	4493.3	4268.8	4207.5	4227.9	4295.0	4315.4
47.5°	4659.5	4685.7	4633.2	4647.8	4703.2	4647.8	4470.0	4470.0	4423.3	4464.1	4443.7
50°	4954.0	4872.3	4939.4	4939.4	4997.7	5003.6	4825.7	4761.5	4636.2	4566.2	4566.2
52.5°	5298.1	5303.9	5330.1	5426.4	5525.5	5610.1	5356.4	5082.3	4872.3	4782.0	4770.3
55°	5580.9	5639.2	5744.2	5925.0	6210.7	6327.3	5890.0	5400.1	5143.5	5003.6	4974.4
56°	5735.4	5680.0	5860.8	6108.7	6481.9	6633.5	5977.4	5464.3	5181.4	5024.0	5021.1
57.5°	5586.7	5648.0	5773.3	6164.1	6621.8	6820.1	6009.5	5435.1	5029.8	4869.4	4884.0
60°	4411.6	4470.0	4639.1	5076.5	5793.7	5948.3	5085.2	4481.6	4120.1	3889.7	3892.6
62.5°	2495.9	2539.7	2670.9	3076.2	3522.3	3671.0	3169.5	2767.1	2516.4	2388.1	2347.2
65°	918.5	901.0	921.4	1128.4	1402.5	1527.9	1318.0	1113.8	982.6	936.0	918.5
67.5°	344.1	317.8	297.4	317.8	399.5	422.8	387.8	323.7	303.2	312.0	317.8
70°	212.9	201.2	160.4	151.6	148.7	145.8	154.5	163.3	186.6	218.7	224.5
72.5°	148.7	140.0	113.7	107.9	102.1	99.1	113.7	125.4	145.8	169.1	172.0
75°	58.3	61.2	58.3	64.1	67.1	70.0	81.6	90.4	99.1	99.1	96.2
77.5°	11.7	11.7	17.5	23.3	29.2	37.9	55.4	64.1	67.1	64.1	55.4
80°	0.0	0.0	5.8	11.7	23.3	32.1	49.6	55.4	61.2	55.4	43.7
82.5°	0.0	0.0	5.8	14.6	23.3	29.2	46.7	58.3	67.1	61.2	46.7
85°	0.0	0.0	5.8	11.7	17.5	20.4	20.4	14.6	14.6	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)