

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: P455934

Luminaire Tested: **GALN-SA7A-830-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26491 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

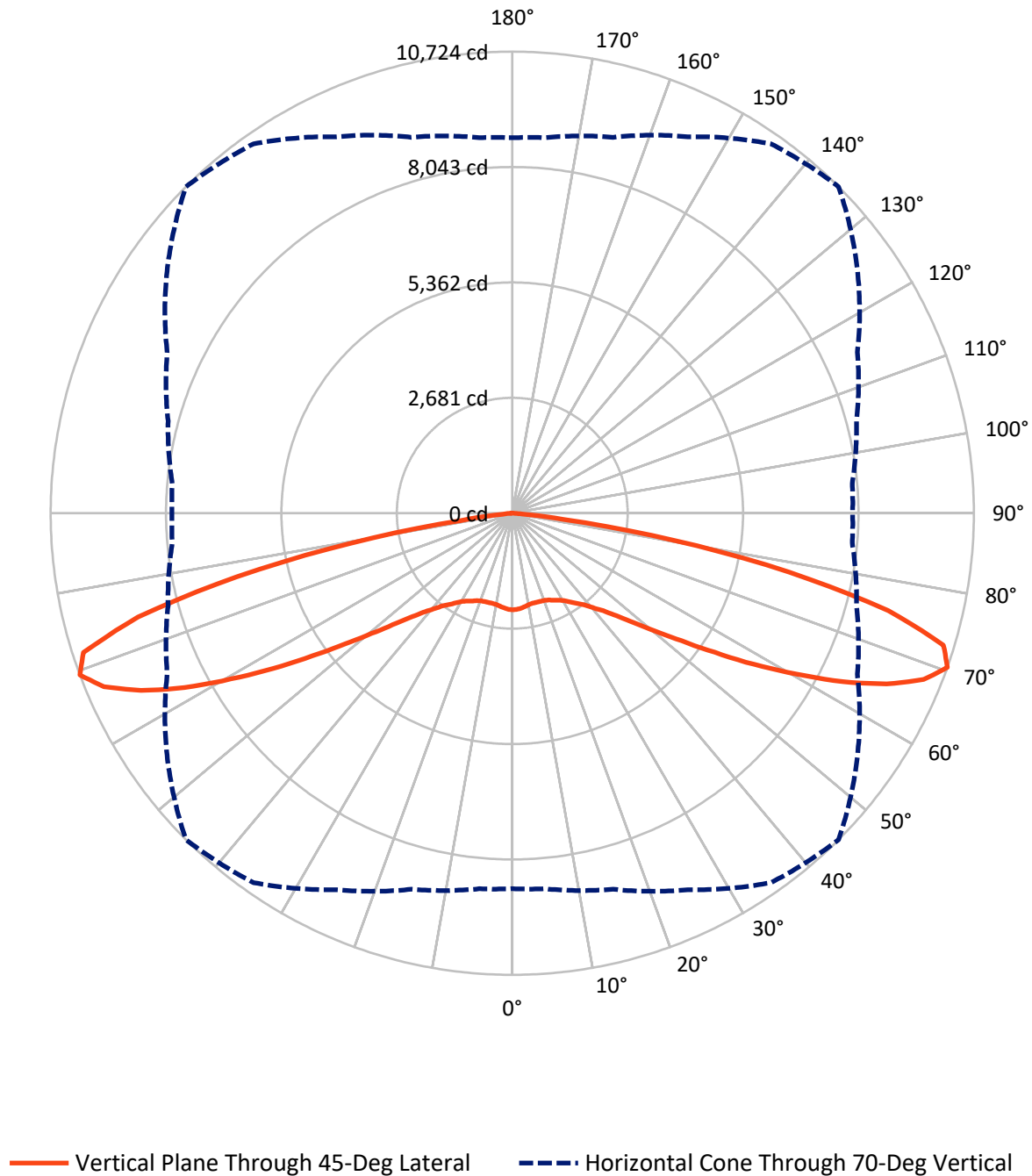
Input Watts (W): 215
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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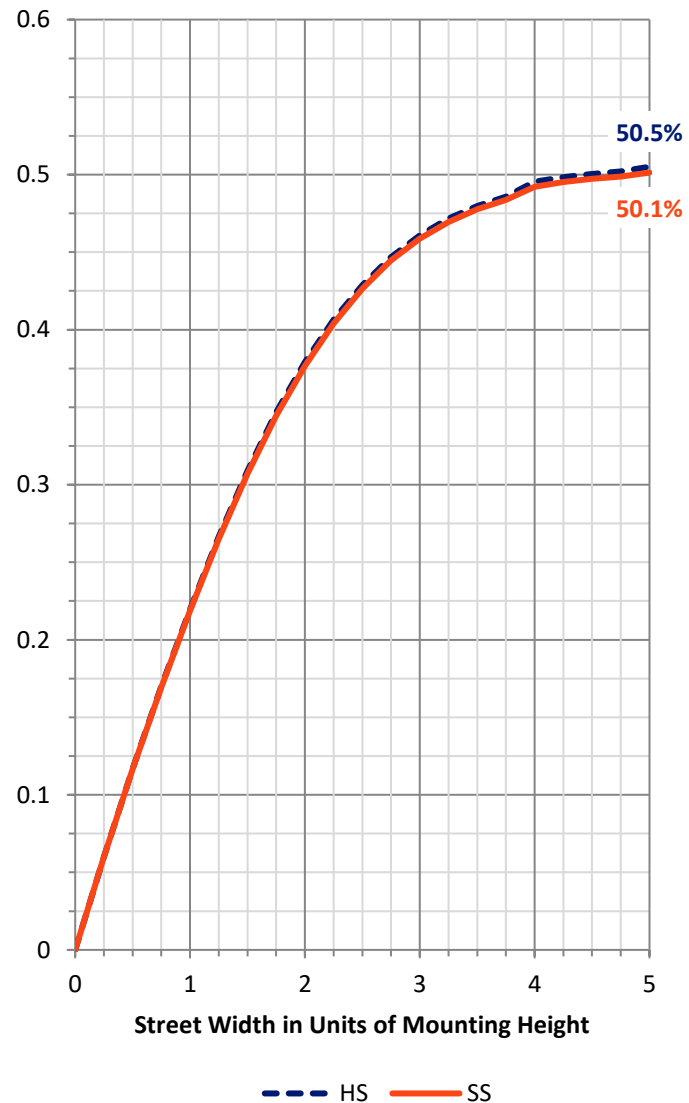
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13245.5	0.0	13245.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13245.5	0.0	13245.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26491.0	0.0	26491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	0.8
10°-20°	614.0	2.3
20°-30°	1046.2	3.9
30°-40°	1621.6	6.1
40°-50°	2729.3	10.3
50°-60°	4965.8	18.7
60°-70°	8407.0	31.7
70°-80°	6507.4	24.6
80°-90°	389.9	1.5
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°	26491.0	100.0
0°-180°	26491.0	100.0

Coefficient of Utilization



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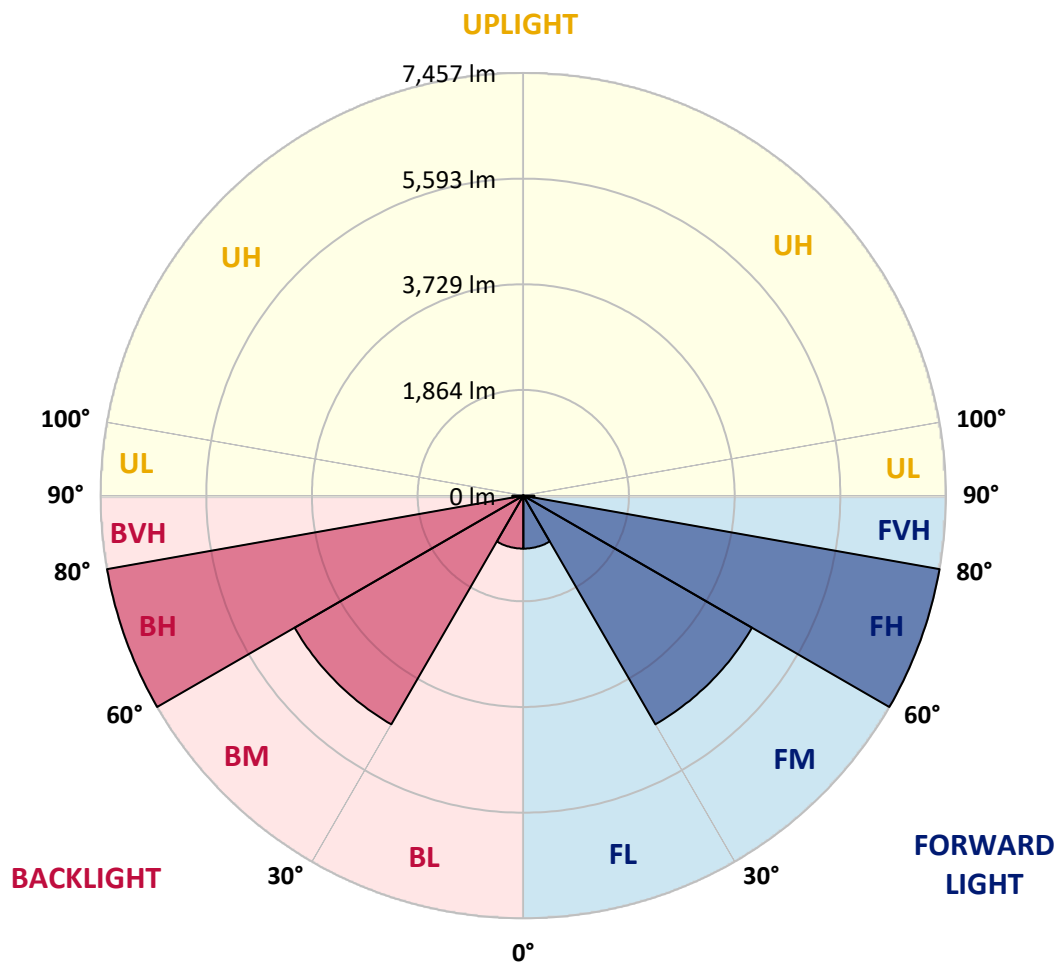
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	935.0	3.5			
FM	(30°-60°)	4658.4	17.6			
FH	(60°-80°)	7457.2	28.1			G3/7500
FVH	(80°-90°)	195.0	0.7			G2/225
BL	(0°-30°)	935.0	3.5	B2/1000		
BM	(30°-60°)	4658.4	17.6	B3/5000		
BH	(60°-80°)	7457.2	28.1	B5		G3/7500
BVH	(80°-90°)	195.0	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2242.8	2242.8	2242.8	2242.8	2242.8	2242.8	2242.8	2242.8	2242.8	2242.8	2242.8
2.5°	2237.2	2238.6	2238.6	2235.8	2234.4	2234.4	2233.0	2233.0	2237.2	2238.6	2240.0
5°	2217.6	2217.6	2217.6	2216.2	2213.4	2213.4	2210.6	2210.6	2212.0	2216.2	2213.4
7.5°	2191.0	2193.8	2193.8	2188.2	2184.0	2184.0	2182.6	2184.0	2185.4	2189.6	2188.2
10°	2182.6	2184.0	2177.0	2167.2	2160.2	2156.0	2157.4	2160.2	2167.2	2170.0	2171.4
12.5°	2188.2	2188.2	2175.6	2161.6	2149.0	2143.5	2142.1	2151.8	2164.4	2172.8	2175.6
15°	2195.2	2192.4	2177.0	2158.8	2146.2	2144.8	2143.5	2150.4	2168.6	2185.4	2186.8
17.5°	2199.4	2198.0	2178.4	2156.0	2149.0	2149.0	2147.6	2153.2	2172.8	2193.8	2195.2
20°	2213.4	2209.2	2186.8	2163.0	2157.4	2160.2	2156.0	2163.0	2184.0	2209.2	2214.8
22.5°	2241.4	2237.2	2214.8	2191.0	2188.2	2188.2	2186.8	2193.8	2216.2	2242.8	2247.0
25°	2275.0	2270.8	2249.8	2233.0	2235.8	2241.4	2238.6	2240.0	2258.2	2280.6	2287.6
27.5°	2319.7	2312.7	2294.6	2280.6	2289.0	2289.0	2289.0	2287.6	2298.8	2319.7	2326.7
30°	2374.3	2371.5	2351.9	2350.5	2357.5	2350.5	2350.5	2351.9	2353.3	2372.9	2379.9
32.5°	2445.7	2440.1	2430.3	2427.5	2447.1	2452.7	2433.1	2414.9	2424.7	2444.3	2448.5
35°	2563.2	2554.8	2540.8	2525.4	2540.8	2567.4	2525.4	2511.4	2536.6	2563.2	2566.0
37.5°	2722.7	2718.5	2696.1	2668.1	2666.7	2694.7	2651.3	2649.9	2697.5	2729.7	2733.9
40°	2922.8	2927.0	2899.0	2872.4	2858.4	2880.8	2847.2	2859.8	2906.0	2942.3	2939.5
42.5°	3204.0	3188.6	3145.2	3120.0	3104.6	3096.3	3087.9	3107.4	3159.2	3198.4	3229.2
45°	3532.8	3527.2	3472.6	3441.8	3408.3	3395.7	3392.9	3427.8	3490.8	3538.4	3542.6
47.5°	3904.9	3892.3	3857.4	3825.2	3812.6	3797.2	3783.2	3809.8	3872.8	3906.3	3916.1
50°	4288.3	4291.1	4291.1	4285.5	4298.1	4300.9	4263.1	4272.9	4307.9	4305.1	4302.3
52.5°	4726.2	4741.6	4814.4	4821.4	4881.5	4922.1	4853.5	4813.0	4800.4	4724.8	4730.4
55°	5241.1	5255.1	5364.2	5473.4	5635.7	5704.2	5560.1	5434.2	5344.6	5229.9	5235.5
57.5°	5883.3	5890.3	5993.8	6203.7	6461.1	6622.0	6368.8	6119.7	5937.9	5828.7	5785.4
60°	6574.5	6581.5	6732.6	6988.6	7388.7	7584.6	7271.2	6864.1	6634.6	6468.1	6479.3
62.5°	7404.1	7432.1	7567.8	7920.4	8405.9	8625.6	8210.0	7665.8	7355.2	7148.1	7156.5
65°	8292.6	8340.1	8488.5	8876.0	9323.7	9560.2	9050.9	8422.7	8036.5	7783.3	7809.9
67.5°	8869.0	8911.0	9125.1	9553.2	10111.4	10307.3	9649.7	8918.0	8435.3	8133.1	8077.1
70°	8722.1	8757.1	9042.5	9649.7	10476.6	10724.2	9792.4	8845.2	8277.2	7928.8	7906.4
72.5°	7699.4	7626.6	8043.5	8915.2	10059.7	10475.2	9343.3	8078.5	7363.6	7005.4	6963.4
75°	5102.6	5260.7	5876.3	6903.3	8510.8	9025.7	7975.0	6486.3	5586.7	5288.7	5242.5
77.5°	1705.5	1827.2	2374.3	3913.3	5802.1	6575.9	5810.5	4242.1	3001.1	2417.7	2428.9
80°	451.9	446.3	577.8	1075.9	2507.2	3808.4	2918.6	1436.9	786.3	569.4	540.1
82.5°	162.3	181.9	233.7	298.0	664.6	1183.7	835.3	402.9	295.2	218.3	211.3
85°	71.4	70.0	100.7	118.9	166.5	221.1	195.9	170.7	149.7	99.3	92.3
87.5°	15.4	15.4	23.8	18.2	29.4	29.4	36.4	43.4	44.8	29.4	23.8
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)