

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: P652272

Luminaire Tested: **GALN-SA3B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12518.3 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 121
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

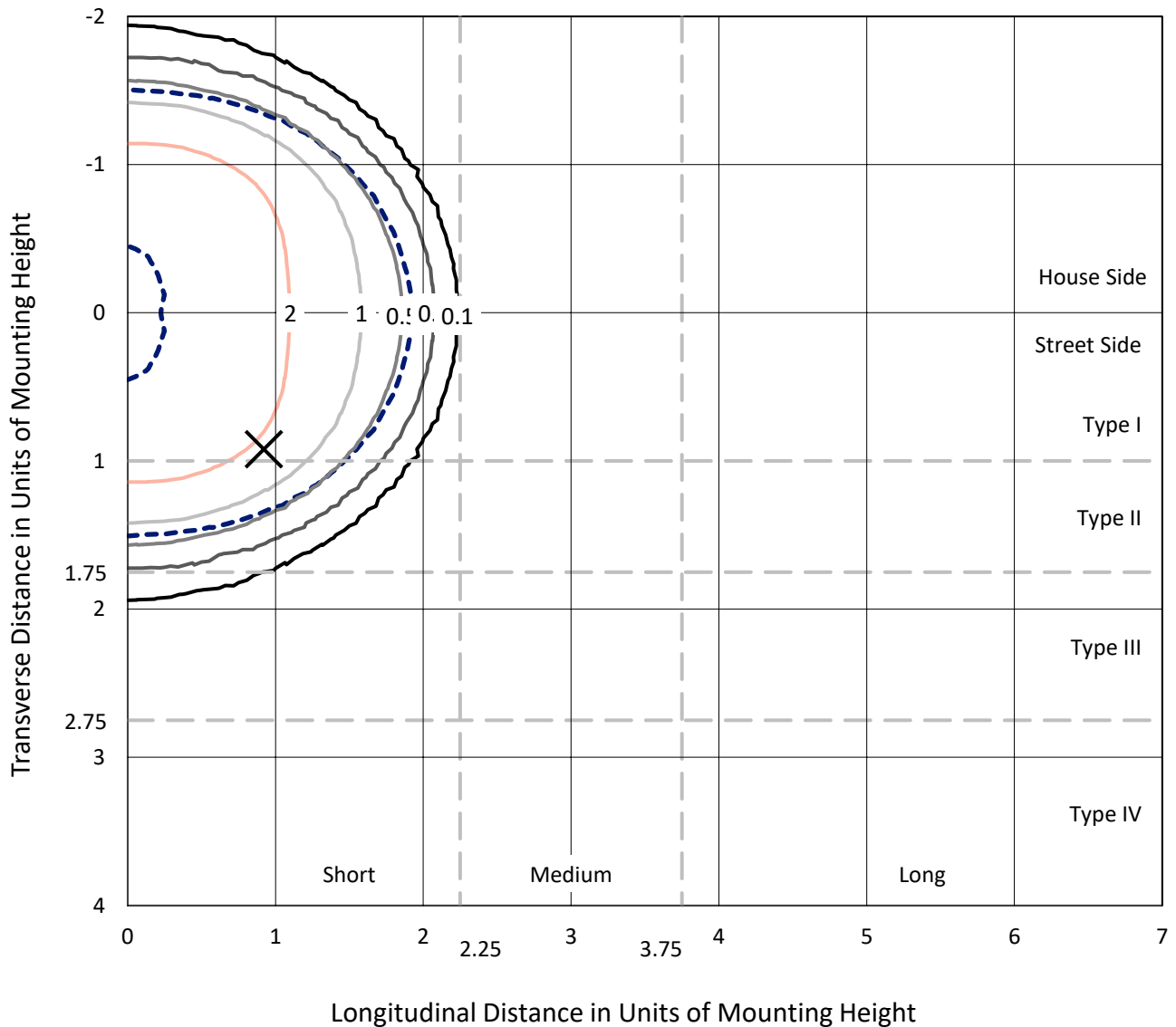




REPORT NUMBER: P652272
 CATALOG NUMBER: GALN-SA3B-840-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

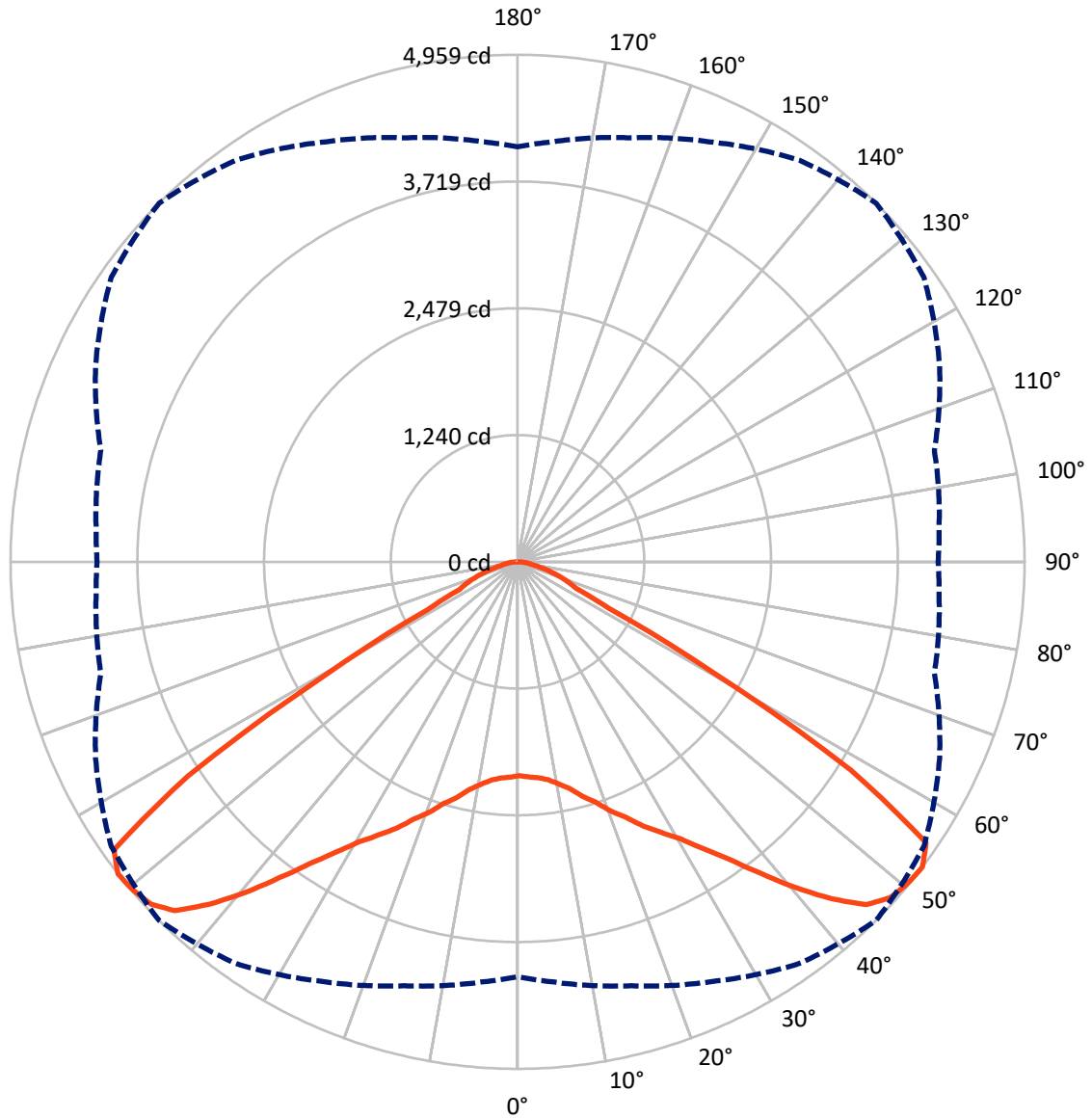
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

REPORT NUMBER: P652272
CATALOG NUMBER: GALN-SA3B-840-U-RW-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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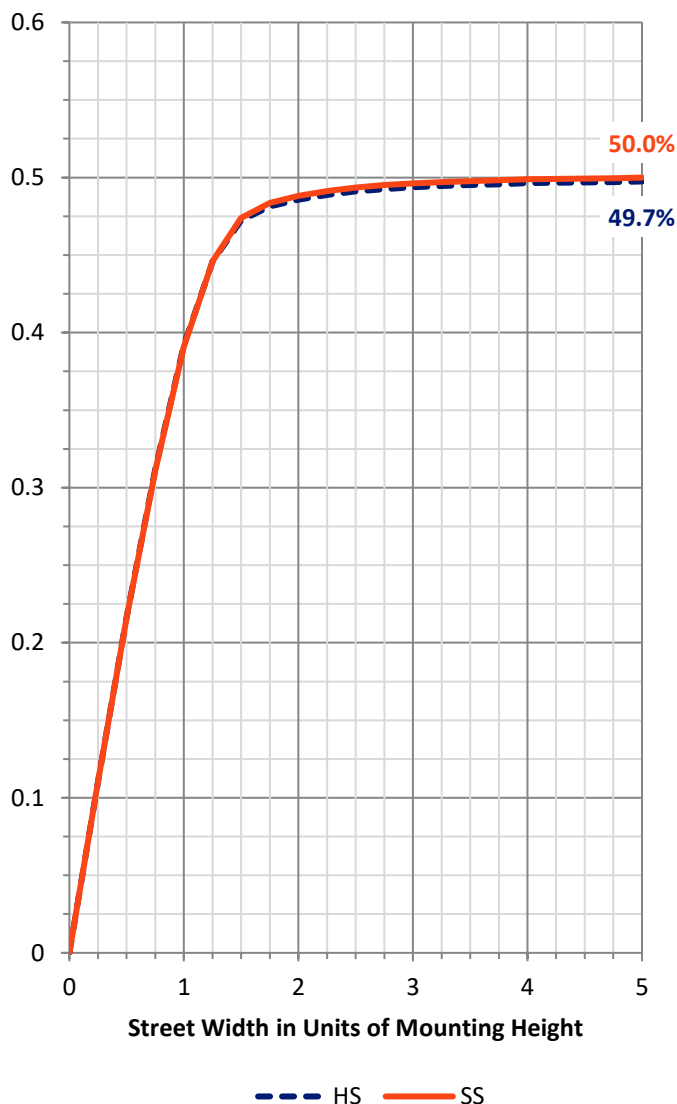
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6259.1	0.0	6259.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6259.1	0.0	6259.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12518.3	0.0	12518.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.6	1.6
10°-20°	675.6	5.4
20°-30°	1286.2	10.3
30°-40°	2208.4	17.6
40°-50°	3394.4	27.1
50°-60°	3447.0	27.5
60°-70°	960.6	7.7
70°-80°	283.4	2.3
80°-90°	57.1	0.5
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°	12518.3	100.0
0°-180°	12518.3	100.0

Coefficient of Utilization



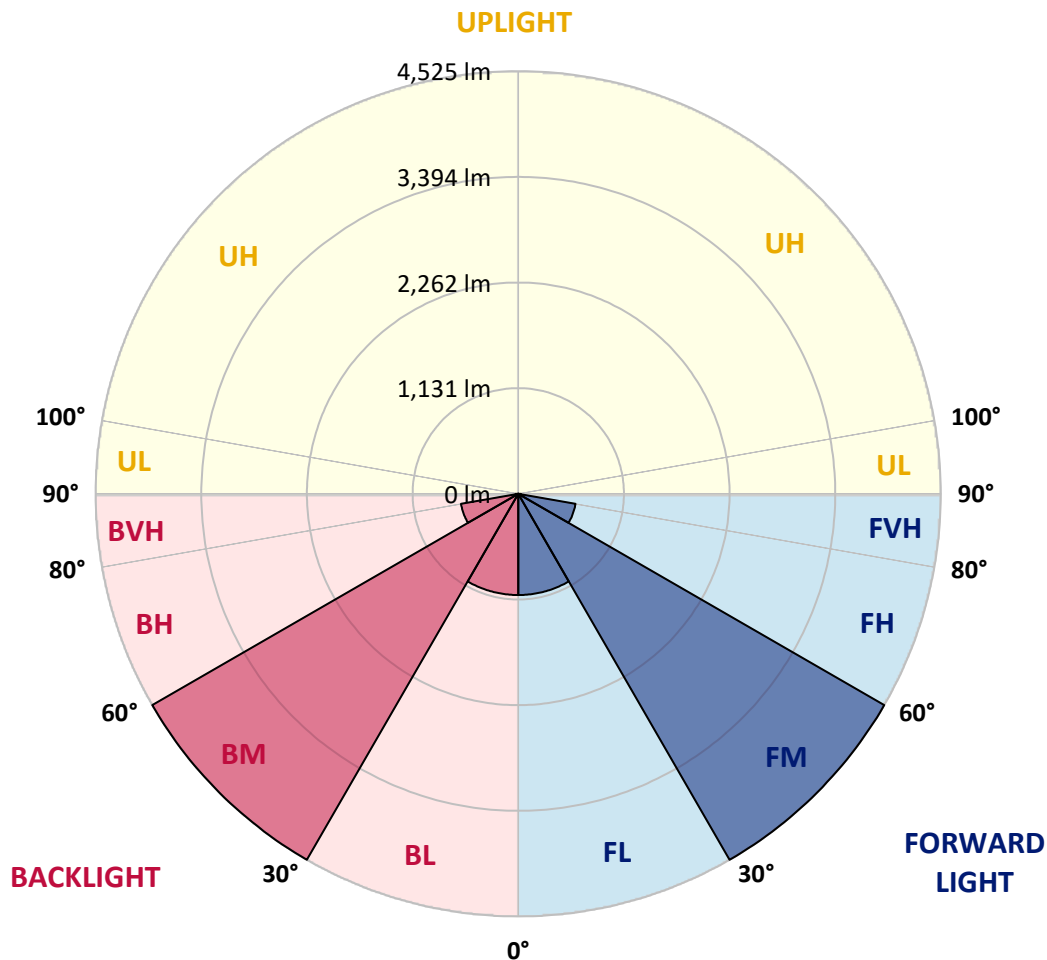
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.7	8.7			
FM (30°-60°)	4524.9	36.1			
FH (60°-80°)	622.0	5.0			G0/660
FVH (80°-90°)	28.5	0.2			G1/100
BL (0°-30°)	1083.7	8.7	B3/2500		
BM (30°-60°)	4524.9	36.1	B3/5000		
BH (60°-80°)	622.0	5.0	B2/1000		G0/660
BVH (80°-90°)	28.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6
2.5°	2097.3	2075.5	2083.2	2088.0	2108.1	2106.5	2101.9	2108.1	2114.4	2115.9	2112.8
5°	2095.7	2080.1	2086.4	2091.1	2111.2	2122.1	2119.0	2145.4	2164.1	2159.4	2182.7
7.5°	2083.2	2092.6	2084.8	2108.1	2125.2	2151.6	2179.6	2204.4	2227.7	2254.1	2258.8
10°	2111.2	2111.2	2125.2	2143.9	2189.0	2209.1	2249.5	2285.2	2330.3	2361.4	2348.9
12.5°	2140.8	2145.4	2145.4	2193.6	2230.8	2275.9	2313.2	2361.4	2425.0	2462.4	2481.0
15°	2170.3	2173.4	2189.0	2254.1	2310.1	2381.5	2415.7	2459.3	2495.0	2564.9	2566.4
17.5°	2196.7	2213.8	2260.4	2333.4	2403.3	2471.6	2526.0	2571.1	2602.1	2630.1	2623.9
20°	2296.1	2308.5	2356.7	2429.7	2533.8	2600.6	2619.2	2627.0	2647.2	2703.1	2686.1
22.5°	2392.4	2397.1	2442.2	2554.0	2627.0	2715.6	2735.8	2731.1	2738.9	2752.8	2777.7
25°	2491.9	2499.6	2561.8	2656.6	2759.1	2864.7	2881.8	2846.0	2835.2	2850.7	2852.3
27.5°	2619.2	2620.8	2700.0	2782.4	2898.8	2998.3	3024.7	2996.7	2945.5	2957.9	2978.1
30°	2780.8	2769.9	2849.1	2967.2	3089.9	3145.8	3190.9	3177.0	3121.0	3110.2	3093.0
32.5°	2967.2	2970.3	3041.8	3170.7	3251.6	3344.7	3392.9	3369.6	3333.9	3315.2	3326.1
35°	3229.8	3243.7	3291.9	3399.1	3529.6	3576.2	3652.3	3602.6	3509.4	3532.7	3552.9
37.5°	3445.7	3486.1	3576.2	3703.6	3781.3	3866.7	3894.7	3827.9	3759.5	3731.6	3798.4
40°	3776.6	3764.1	3863.6	3991.0	4105.9	4191.4	4155.7	4088.9	3919.6	3921.1	3939.7
42.5°	4060.9	4067.2	4143.3	4295.5	4452.4	4505.2	4391.8	4228.7	4040.8	4020.5	4060.9
45°	4300.1	4325.0	4368.5	4572.0	4725.8	4783.3	4573.6	4380.9	4129.2	4045.4	4112.2
47.5°	4385.6	4426.0	4520.8	4707.2	4859.4	4906.1	4738.3	4461.8	4211.6	4074.9	4110.6
50°	4398.0	4384.0	4539.4	4710.3	4843.9	4944.8	4797.3	4520.8	4191.4	4120.0	4109.0
52.5°	4057.8	4126.2	4292.4	4526.9	4797.3	4958.9	4850.1	4553.3	4219.4	4138.6	4112.2
55°	3284.2	3203.4	3506.3	3900.9	4398.0	4847.0	4831.5	4570.5	4236.5	4169.7	4133.9
57.5°	1833.1	1856.4	2027.3	2456.1	3097.7	3843.5	4295.5	4390.3	4228.7	4189.9	4208.5
60°	848.2	856.0	929.0	1129.4	1527.1	2179.6	2774.6	3378.9	3657.0	3712.9	3712.9
62.5°	632.3	629.2	647.8	683.6	767.4	1002.1	1337.6	1817.7	2199.8	2467.0	2536.9
65°	571.7	570.1	579.4	591.9	598.1	630.8	705.3	852.9	977.2	1048.6	1036.2
67.5°	500.2	498.7	501.8	509.6	520.4	537.5	556.2	587.3	630.8	627.6	619.8
70°	403.9	403.9	408.6	414.8	427.2	447.4	469.2	490.9	528.2	536.0	534.4
72.5°	298.3	293.6	302.9	315.4	327.8	352.6	375.9	396.1	422.5	430.3	427.2
75°	189.6	192.7	198.8	212.9	234.6	251.7	276.5	293.6	310.7	316.9	318.5
77.5°	105.6	108.7	119.6	136.7	158.4	177.1	198.8	212.9	223.7	225.2	226.8
80°	63.7	65.3	76.1	91.7	110.3	130.5	147.6	161.6	170.9	166.3	164.7
82.5°	38.9	40.4	49.7	63.7	79.2	94.8	113.4	125.8	135.1	128.9	122.7
85°	20.2	21.8	29.5	38.9	51.3	59.0	59.0	52.8	51.3	48.2	46.6
87.5°	6.2	6.2	7.7	9.3	7.7	9.3	10.8	12.4	12.4	14.0	12.4
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)