

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: P455473

Luminaire Tested: **GALN-SA6C-830-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34180 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 321
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

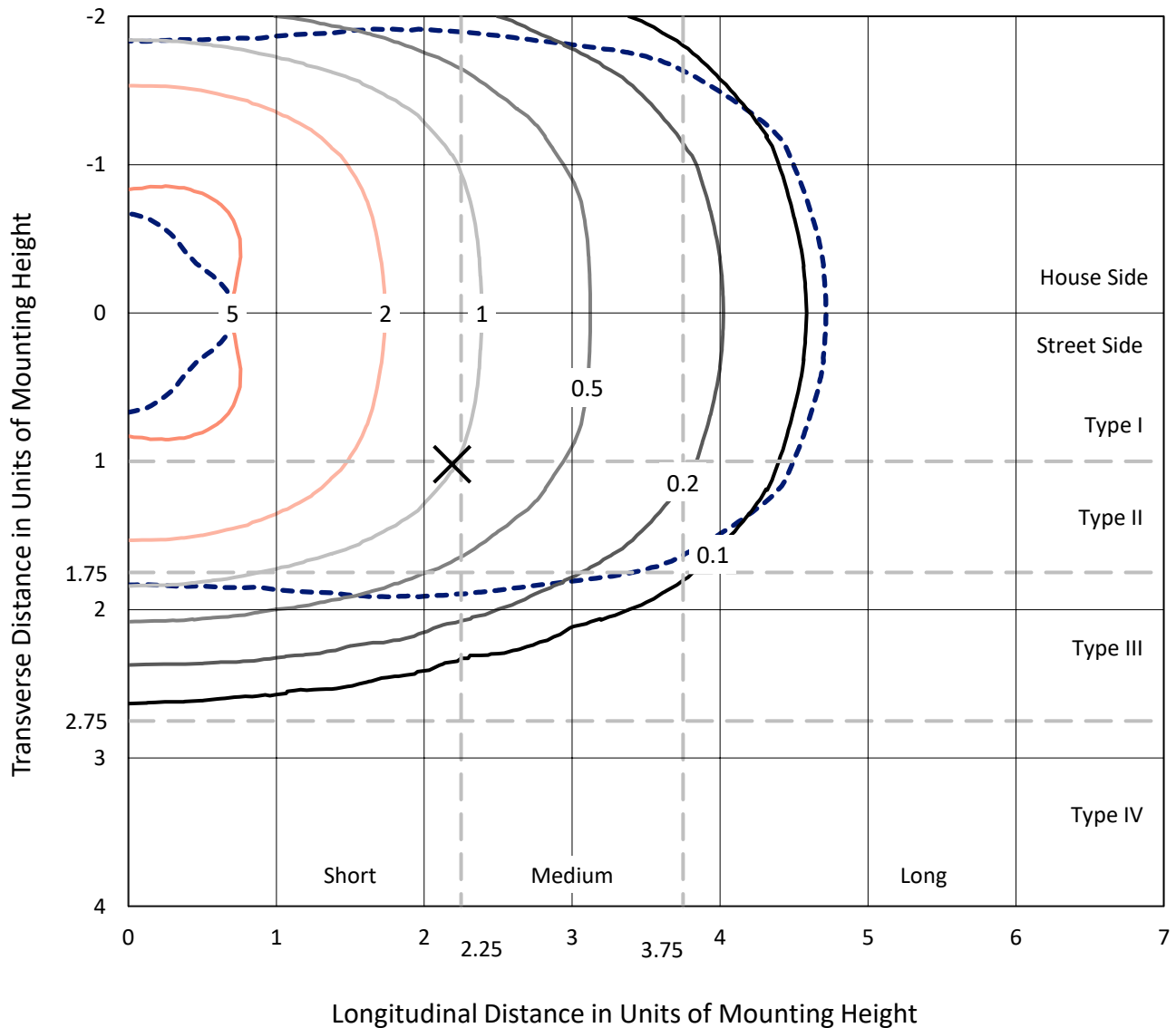


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

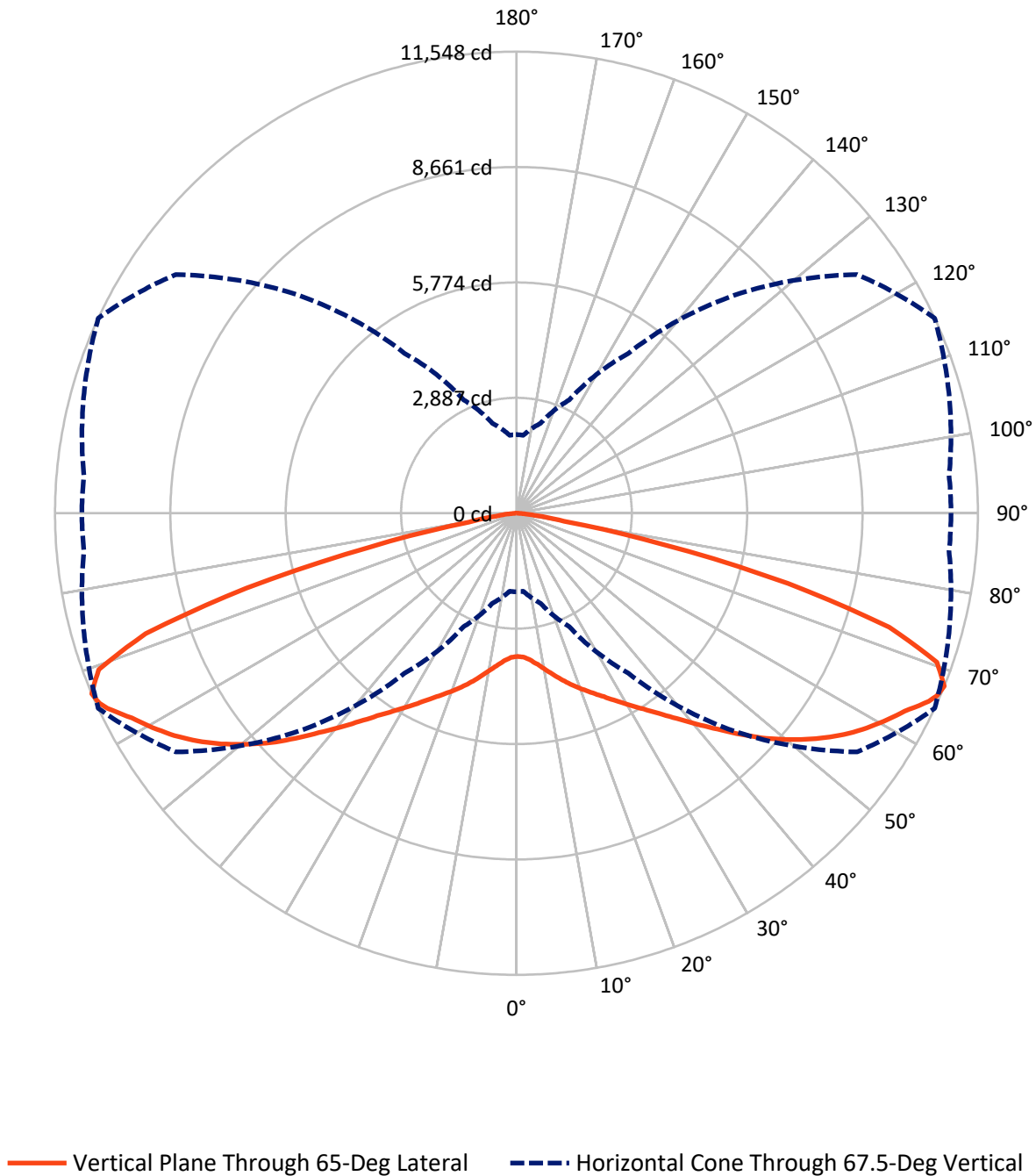


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17090.0	0.0	17090.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17090.0	0.0	17090.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34180.0	0.0	34180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.1	1.0
10°-20°	1181.8	3.5
20°-30°	2311.6	6.8
30°-40°	3931.7	11.5
40°-50°	6222.8	18.2
50°-60°	8251.2	24.1
60°-70°	7783.5	22.8
70°-80°	3847.8	11.3
80°-90°	296.5	0.9
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°	34180.0	100.0
0°-180°	34180.0	100.0

Coefficient of Utilization



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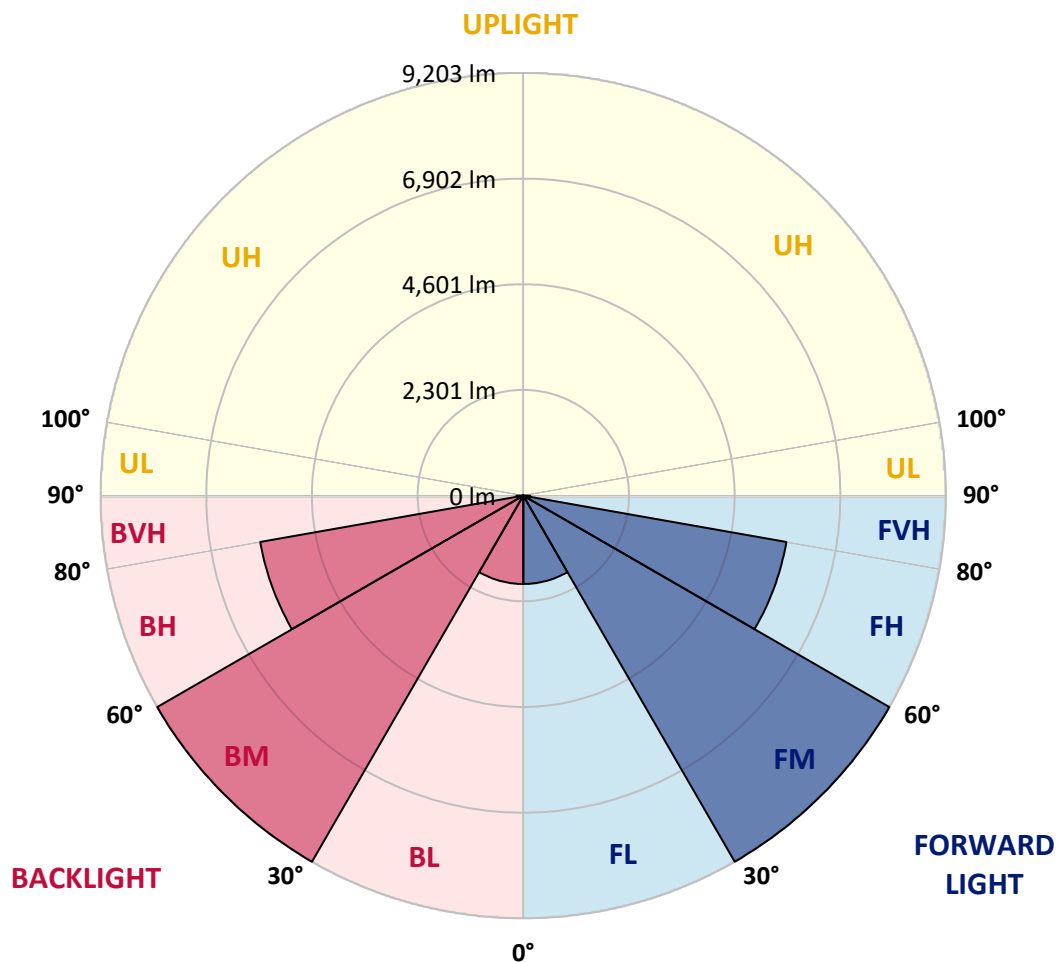
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1923.2	5.6			
FM	(30°-60°)	9202.9	26.9			
FH	(60°-80°)	5815.6	17.0			G3/7500
FVH	(80°-90°)	148.3	0.4			G2/225
BL	(0°-30°)	1923.2	5.6	B3/2500		
BM	(30°-60°)	9202.9	26.9	B5		
BH	(60°-80°)	5815.6	17.0	B5		G5
BVH	(80°-90°)	148.3	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3580.1	3580.1	3580.1	3580.1	3580.1	3580.1	3580.1	3580.1	3580.1	3580.1	3580.1
2.5°	3561.7	3565.4	3569.1	3574.6	3581.9	3592.9	3600.2	3605.7	3620.3	3622.2	3620.3
5°	3548.9	3552.6	3561.7	3578.2	3602.0	3635.0	3660.6	3691.8	3715.6	3732.0	3728.4
7.5°	3547.1	3554.4	3569.1	3603.9	3649.6	3706.4	3765.0	3818.1	3863.9	3900.5	3895.0
10°	3576.4	3585.5	3609.4	3660.6	3732.0	3814.5	3896.9	3975.6	4041.5	4089.1	4105.6
12.5°	3625.8	3633.2	3677.1	3754.0	3856.6	3959.1	4052.5	4149.6	4241.1	4321.7	4321.7
15°	3711.9	3724.7	3779.7	3891.4	4017.7	4136.7	4232.0	4334.5	4433.4	4525.0	4552.4
17.5°	3830.9	3849.2	3931.6	4074.5	4235.6	4345.5	4435.2	4519.5	4605.5	4693.4	4706.3
20°	3993.9	4012.2	4122.1	4294.2	4484.7	4616.5	4677.0	4697.1	4739.2	4823.5	4834.4
22.5°	4215.5	4233.8	4356.5	4550.6	4763.0	4905.9	4931.5	4883.9	4872.9	4938.8	4946.2
25°	4466.4	4482.8	4623.9	4832.6	5052.4	5208.0	5200.7	5083.5	5017.6	5057.9	5068.8
27.5°	4748.4	4772.2	4915.0	5131.1	5369.2	5506.5	5484.5	5314.2	5173.2	5165.9	5169.6
30°	5109.1	5134.8	5270.3	5477.2	5711.6	5838.0	5792.2	5563.3	5345.4	5272.1	5272.1
32.5°	5490.0	5554.1	5691.5	5907.5	6090.7	6182.2	6112.6	5838.0	5548.6	5446.1	5440.6
35°	5986.3	6021.1	6156.6	6367.2	6504.5	6575.9	6442.3	6147.4	5814.2	5693.3	5676.8
37.5°	6471.6	6500.9	6658.4	6859.8	7026.4	7022.8	6841.5	6515.5	6143.8	6008.3	5997.3
40°	6967.8	6999.0	7178.4	7363.4	7530.0	7515.4	7295.6	6931.2	6535.7	6383.7	6413.0
42.5°	7398.2	7433.0	7636.2	7899.9	8050.1	8046.4	7791.9	7381.7	6969.7	6834.1	6859.8
45°	7790.0	7821.2	8057.4	8359.6	8579.3	8606.8	8328.4	7894.4	7471.4	7297.4	7304.8
47.5°	8066.6	8125.2	8372.4	8718.5	9017.0	9114.0	8841.2	8416.3	7929.2	7747.9	7758.9
50°	8277.2	8313.8	8583.0	8976.7	9353.9	9555.4	9335.6	8899.8	8387.0	8194.8	8220.4
52.5°	8302.8	8346.7	8639.7	9093.9	9577.3	9883.1	9775.1	9372.2	8854.0	8656.2	8711.2
55°	8094.0	8119.7	8469.4	9020.6	9665.2	10126.7	10154.2	9811.7	9299.0	9148.8	9185.4
57.5°	7498.9	7564.8	8008.0	8678.2	9544.4	10256.7	10438.0	10210.9	9749.5	9601.1	9659.7
60°	6522.8	6588.8	7033.8	7883.4	9088.4	10196.3	10672.4	10564.4	10157.8	10038.8	10069.9
62.5°	5111.0	5105.5	5656.7	6698.6	8181.9	9899.6	10846.4	10905.0	10560.7	10410.5	10458.2
65°	3312.7	3329.2	3862.1	4984.6	6814.0	9145.2	10884.8	11339.0	10956.2	10729.2	10764.0
66°	2664.4	2713.9	3166.2	4200.8	6116.3	8650.7	10769.5	11467.2	11077.1	10802.4	10818.9
67.5°	1966.7	1957.6	2329.3	3127.7	4883.9	7711.3	10408.7	11547.7	11214.4	10868.3	10875.7
70°	1122.5	1120.7	1252.6	1717.7	2871.4	5429.6	8773.4	11161.3	11492.8	11106.4	11086.3
72.5°	820.4	814.9	833.2	948.6	1400.9	2741.4	6052.2	9755.0	11350.0	11068.0	11011.2
75°	688.5	684.9	681.2	695.9	785.6	1241.6	3212.0	7017.3	9848.4	10388.6	10330.0
77.5°	562.2	562.2	564.0	560.4	564.0	653.7	1331.3	3761.3	5997.3	6695.0	6858.0
80°	439.5	437.7	468.8	456.0	426.7	419.4	589.7	1210.4	1990.5	1979.6	1633.5
82.5°	324.1	302.2	357.1	347.9	315.0	267.4	344.3	516.4	664.7	432.2	320.5
85°	205.1	203.3	252.7	230.7	192.3	126.4	164.8	221.6	274.7	166.6	135.5
87.5°	36.6	34.8	80.6	58.6	58.6	36.6	45.8	60.4	89.7	62.3	45.8
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)