

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: P532071

Luminaire Tested: **GALN-SA7B-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21636 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 286
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



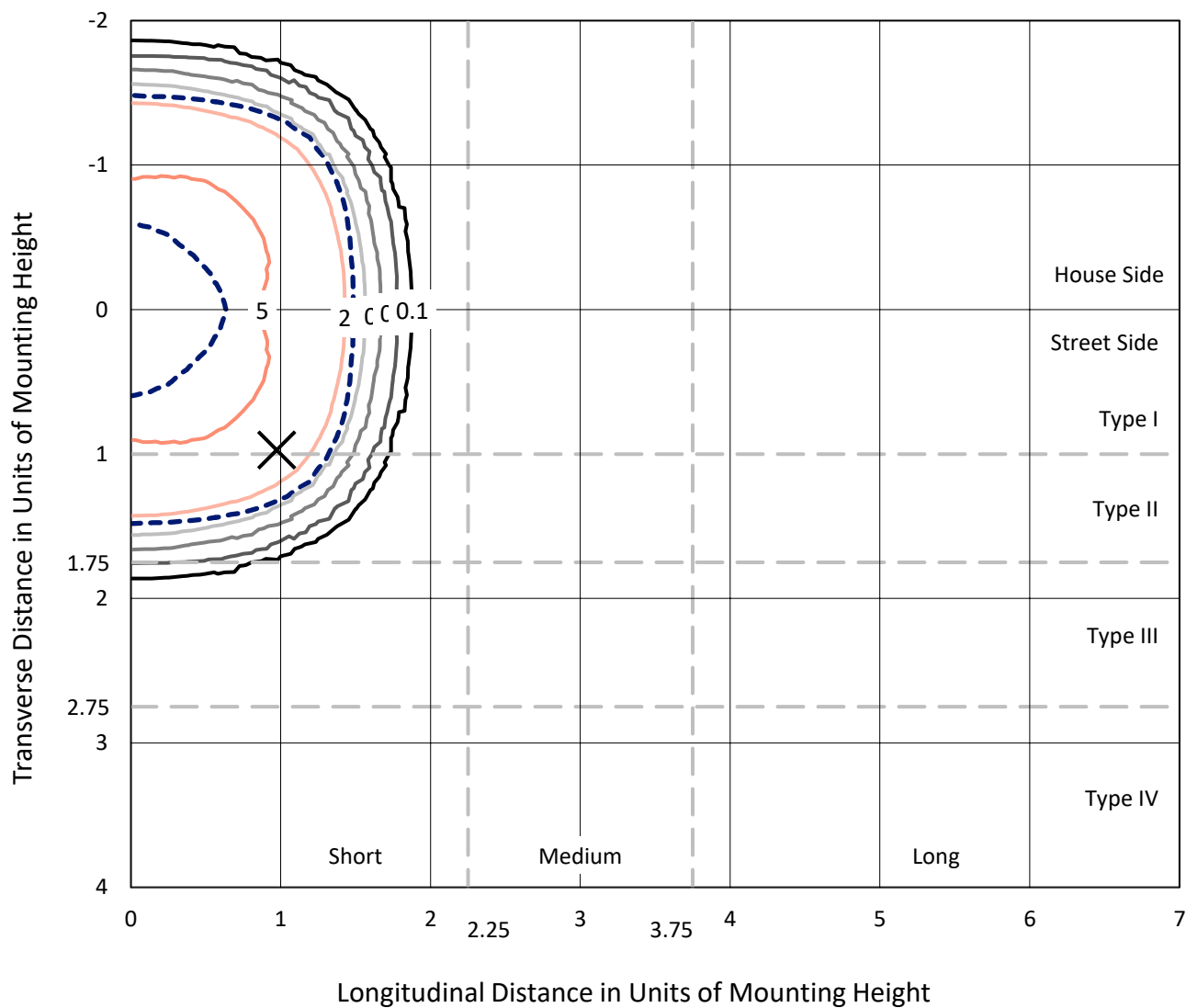
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



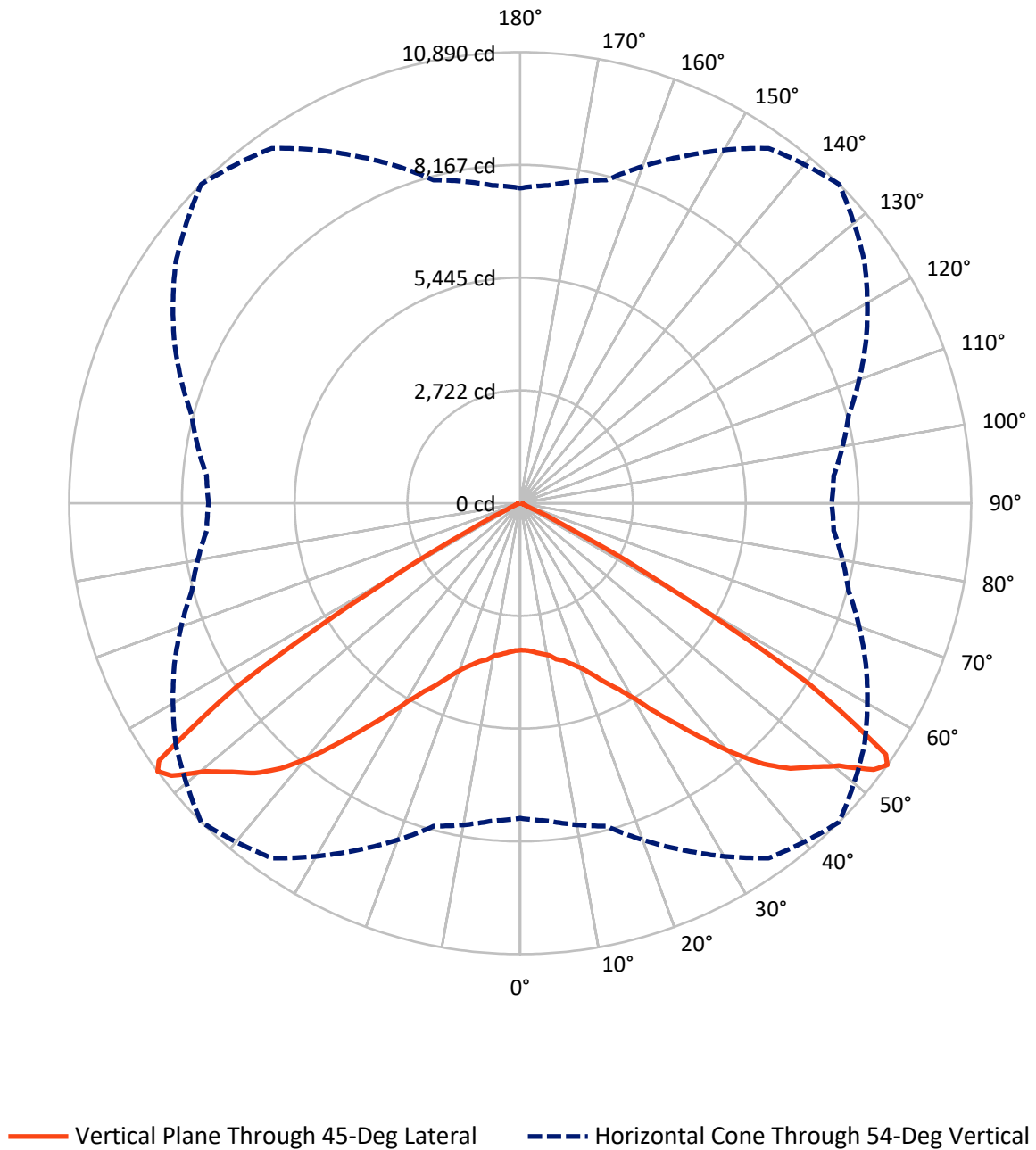
Based on 25 foot mounting height. Maximum calculated value = 5.8 fc

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	10818.0	0.0	10818.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10818.0	0.0	10818.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21636.0	0.0	21636.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.2	1.6
10°-20°	1124.5	5.2
20°-30°	2203.9	10.2
30°-40°	3963.0	18.3
40°-50°	6783.9	31.4
50°-60°	6564.1	30.3
60°-70°	561.9	2.6
70°-80°	66.6	0.3
80°-90°	20.9	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°	21636.0	100.0
0°-180°	21636.0	100.0

Coefficient of Utilization



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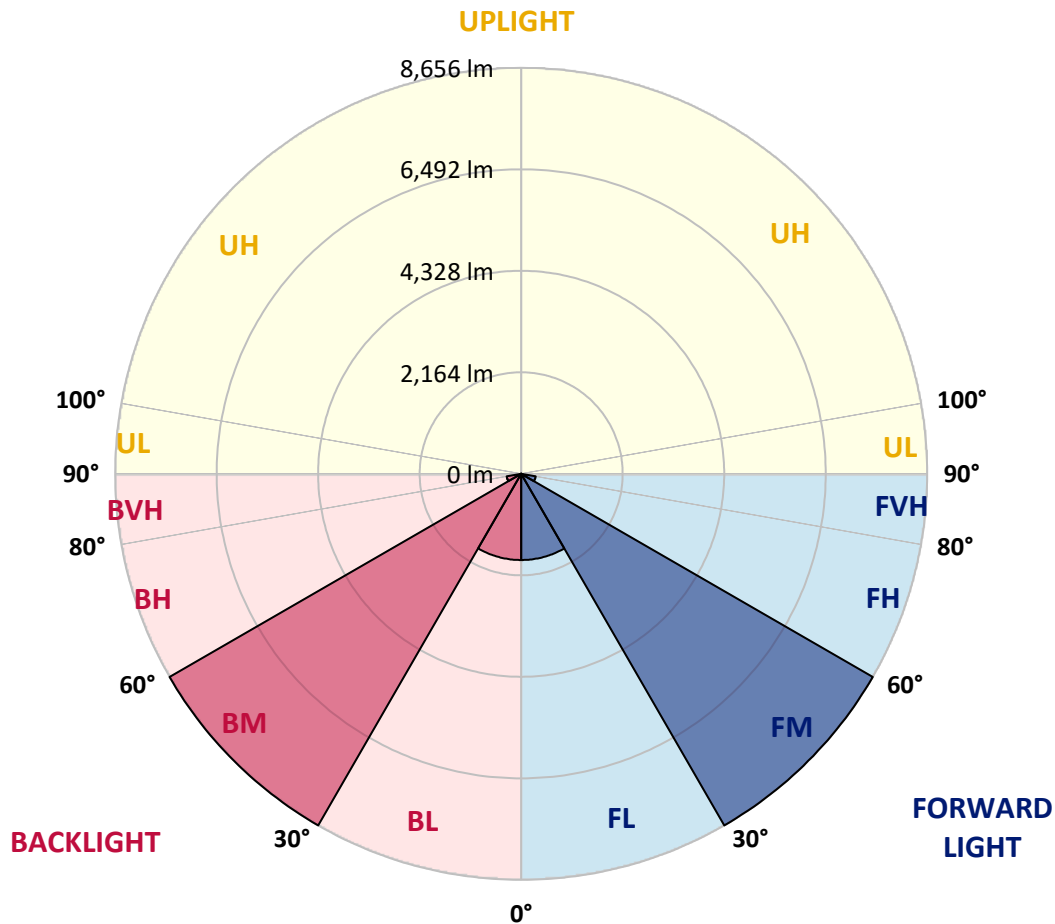
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1837.8	8.5			
FM	(30°-60°)	8655.5	40.0			
FH	(60°-80°)	314.3	1.5			G0/660
FVH	(80°-90°)	10.4	0.0			G1/100
BL	(0°-30°)	1837.8	8.5	B3/2500		
BM	(30°-60°)	8655.5	40.0	B5		
BH	(60°-80°)	314.3	1.5	B1/500		G0/660
BVH	(80°-90°)	10.4	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3547.6	3547.6	3547.6	3547.6	3547.6	3547.6	3547.6	3547.6	3547.6	3547.6	3547.6
2.5°	3564.8	3585.3	3571.6	3581.9	3581.9	3564.8	3575.1	3533.9	3561.3	3540.8	3544.2
5°	3619.6	3616.2	3616.2	3619.6	3605.9	3612.8	3599.0	3585.3	3575.1	3561.3	3602.5
7.5°	3688.2	3688.2	3664.2	3671.0	3664.2	3674.5	3647.0	3619.6	3609.3	3599.0	3592.2
10°	3753.3	3746.4	3736.2	3767.0	3743.0	3729.3	3715.6	3698.4	3660.7	3647.0	3633.3
12.5°	3849.3	3845.8	3832.1	3863.0	3849.3	3863.0	3811.6	3767.0	3760.1	3715.6	3739.6
15°	3962.4	3993.2	3969.2	3969.2	3962.4	3945.2	3924.7	3904.1	3842.4	3825.3	3828.7
17.5°	4109.8	4099.5	4102.9	4102.9	4137.2	4092.6	4051.5	4000.1	3969.2	3958.9	3924.7
20°	4250.3	4264.0	4260.6	4284.6	4305.1	4257.2	4212.6	4205.7	4120.0	4133.8	4085.8
22.5°	4497.1	4486.8	4503.9	4521.1	4507.4	4500.5	4459.4	4408.0	4332.6	4298.3	4291.4
25°	4757.6	4740.5	4709.6	4750.7	4771.3	4802.2	4723.3	4695.9	4579.4	4527.9	4531.4
27.5°	4980.4	5004.4	5038.7	5055.8	5107.2	5096.9	5042.1	4953.0	4863.9	4805.6	4767.9
30°	5285.5	5299.2	5357.4	5381.4	5470.5	5494.5	5408.9	5306.0	5148.3	5072.9	5028.4
32.5°	5566.5	5662.5	5659.1	5779.0	5923.0	6022.4	5868.2	5710.5	5552.8	5463.7	5384.9
35°	6022.4	6005.3	6104.7	6231.5	6464.6	6577.7	6409.7	6228.1	5988.1	5844.2	5782.5
37.5°	6447.4	6454.3	6588.0	6790.2	7057.6	7232.4	7085.0	6786.8	6540.0	6354.9	6269.2
40°	7064.4	7078.1	7215.2	7444.9	7746.5	7935.0	7763.7	7462.0	7133.0	6989.0	6989.0
42.5°	7787.6	7845.9	7935.0	8133.8	8404.6	8613.7	8459.5	8223.0	7890.5	7705.4	7732.8
45°	8531.5	8558.9	8617.1	8911.9	9038.7	9141.6	8997.6	8887.9	8665.1	8438.9	8401.2
47.5°	9227.3	9237.5	9408.9	9501.5	9600.9	9515.2	9607.7	9463.8	9213.6	8994.2	8949.6
50°	9535.8	9518.6	9762.0	10043.0	10118.5	9967.6	9888.8	9792.8	9412.4	9148.4	9031.9
52.5°	8637.7	8737.1	9189.6	9971.1	10560.6	10687.4	10228.1	9786.0	9076.4	8562.3	8483.5
54°	7609.4	7702.0	8075.6	9234.1	10461.2	10889.7	10149.3	9210.1	8209.2	7599.1	7520.3
55°	6591.4	6488.6	7167.2	8349.8	9995.1	10711.4	9837.4	8466.3	7321.5	6762.8	6653.1
57.5°	3568.2	3585.3	4157.8	5275.2	7023.3	8212.7	7252.9	5727.6	4325.7	3698.4	3643.6
60°	1131.1	1158.5	1408.8	2132.0	3355.7	4006.9	3434.5	2300.0	1590.4	1275.1	1223.7
62.5°	353.0	366.8	401.0	596.4	918.6	1312.8	1028.3	617.0	459.3	421.6	428.5
65°	215.9	215.9	219.4	233.1	274.2	318.8	308.5	270.8	260.5	253.6	250.2
67.5°	140.5	137.1	144.0	154.2	161.1	164.5	174.8	185.1	181.7	174.8	174.8
70°	85.7	82.3	89.1	102.8	106.3	113.1	123.4	137.1	133.7	126.8	130.3
72.5°	48.0	48.0	51.4	61.7	72.0	78.8	89.1	99.4	102.8	99.4	99.4
75°	17.1	20.6	27.4	37.7	44.6	54.8	65.1	75.4	85.7	78.8	75.4
77.5°	6.9	6.9	13.7	24.0	34.3	44.6	61.7	72.0	78.8	72.0	65.1
80°	3.4	3.4	10.3	20.6	30.8	41.1	51.4	61.7	65.1	58.3	51.4
82.5°	3.4	3.4	10.3	20.6	30.8	37.7	54.8	61.7	68.6	61.7	51.4
85°	0.0	3.4	10.3	20.6	27.4	30.8	30.8	20.6	17.1	10.3	10.3
87.5°	0.0	0.0	3.4	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)