

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: P532077

Luminaire Tested: **GALN-SA7B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20353 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - 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



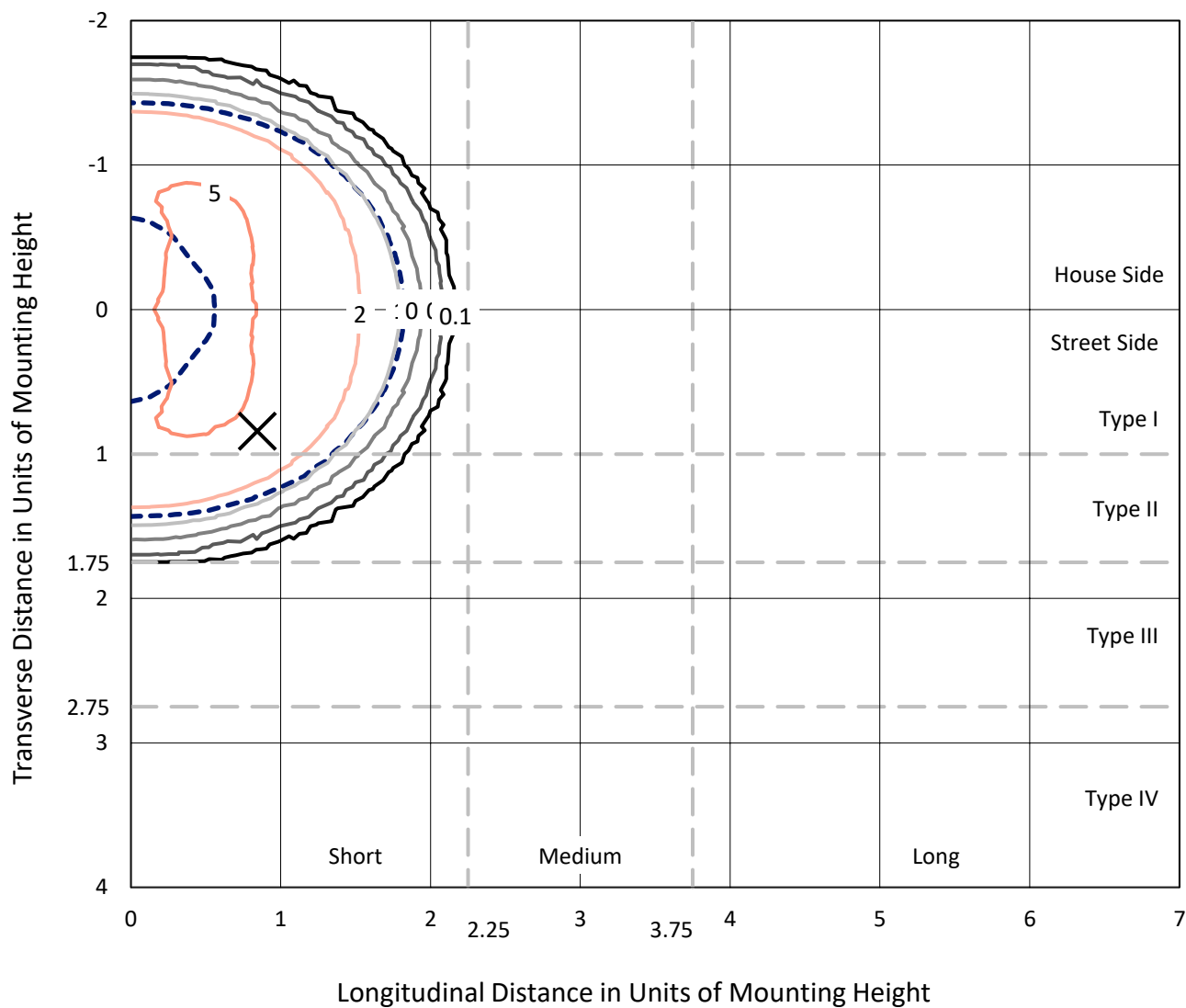
REPORT NUMBER: P532077

CATALOG NUMBER: GALN-SA7B-830-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

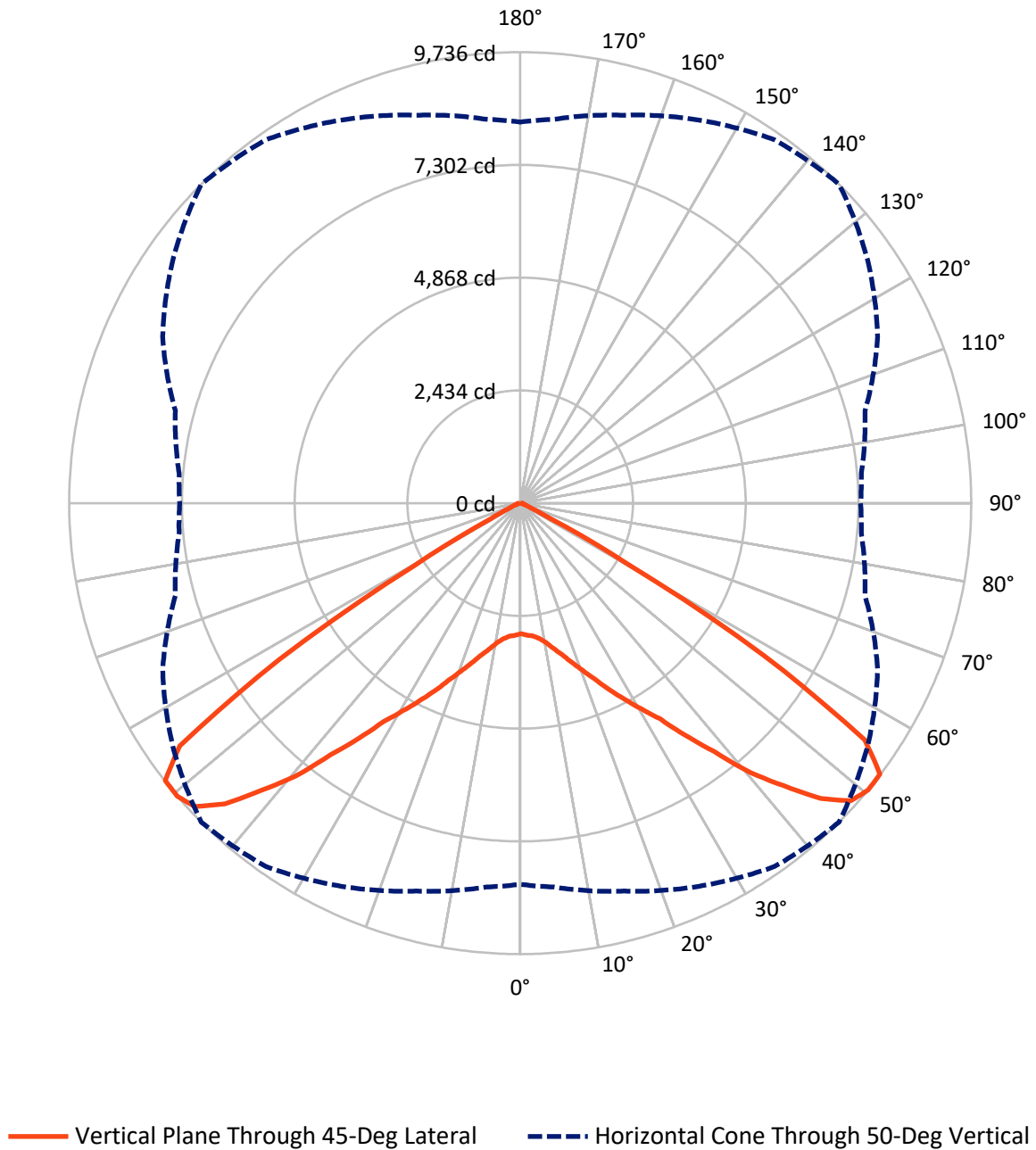


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P532077

CATALOG NUMBER: GALN-SA7B-830-U-RW-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532077

CATALOG NUMBER: GALN-SA7B-830-U-RW-GRSBK

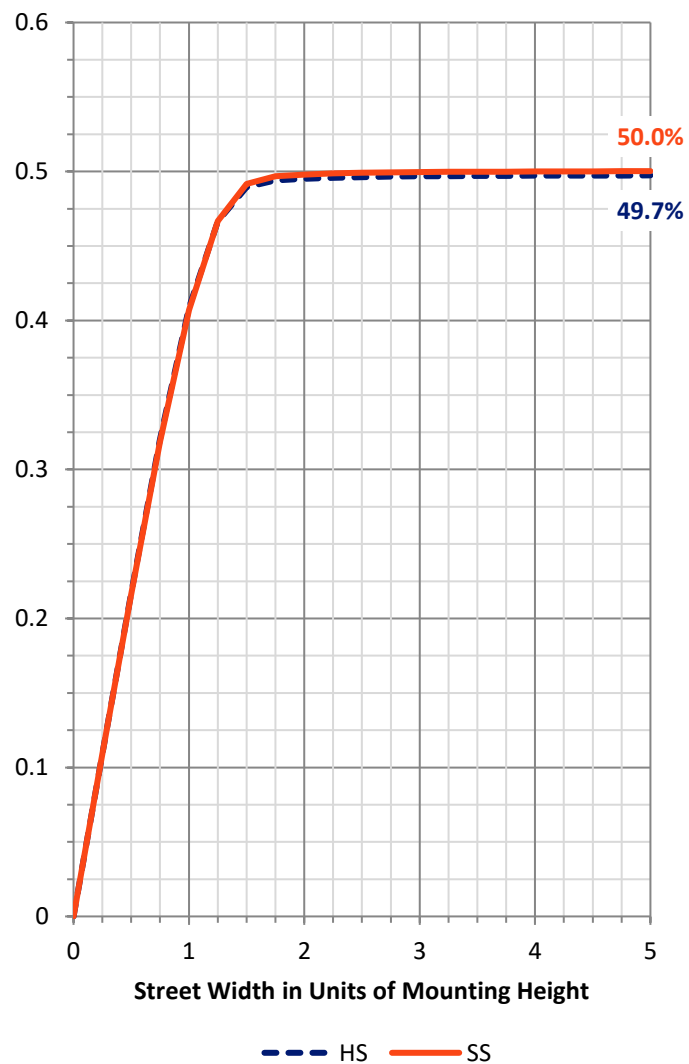
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10176.5	0.0	10176.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10176.5	0.0	10176.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20353.0	0.0	20353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	1.4
10°-20°	967.5	4.8
20°-30°	1976.1	9.7
30°-40°	3768.3	18.5
40°-50°	6350.2	31.2
50°-60°	6056.0	29.8
60°-70°	845.4	4.2
70°-80°	80.8	0.4
80°-90°	27.9	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°	20353.0	100.0
0°-180°	20353.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532077

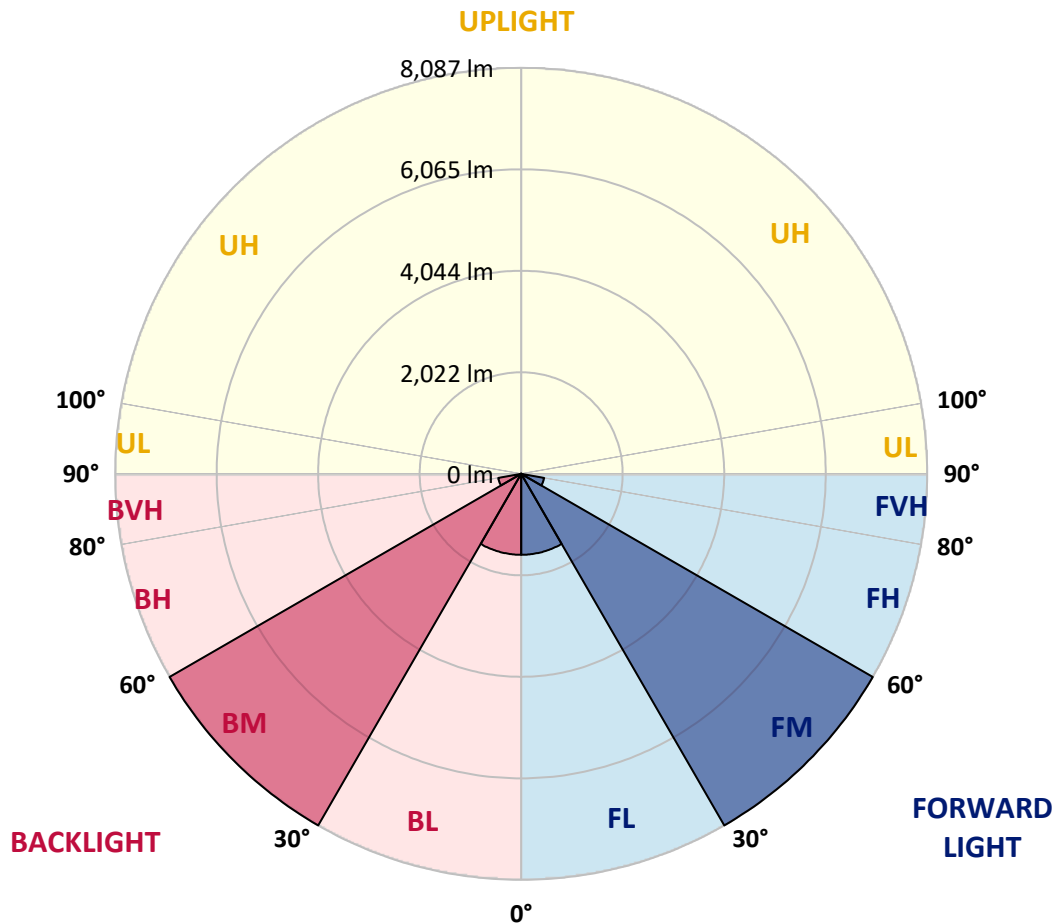
CATALOG NUMBER: GALN-SA7B-830-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1612.1	7.9			
FM	(30°-60°)	8087.3	39.7			
FH	(60°-80°)	463.1	2.3			G0/660
FVH	(80°-90°)	14.0	0.1			G1/100
BL	(0°-30°)	1612.1	7.9	B3/2500		
BM	(30°-60°)	8087.3	39.7	B4/8500		
BH	(60°-80°)	463.1	2.3	B1/500		G0/660
BVH	(80°-90°)	14.0	0.1			G1/100
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



REPORT NUMBER: P532077

CATALOG NUMBER: GALN-SA7B-830-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7
2.5°	2811.4	2811.4	2808.0	2835.4	2821.7	2852.5	2849.1	2859.4	2869.7	2866.2	2893.6
5°	2787.5	2784.1	2784.1	2814.9	2845.7	2879.9	2910.8	2931.3	2965.5	2965.5	2999.8
7.5°	2811.4	2794.3	2818.3	2832.0	2890.2	2948.4	2999.8	3040.9	3119.6	3147.0	3136.8
10°	2818.3	2838.8	2856.0	2897.1	2969.0	3058.0	3102.5	3205.3	3294.3	3355.9	3369.6
12.5°	2862.8	2893.6	2941.6	3040.9	3105.9	3222.4	3284.0	3383.3	3506.6	3575.1	3623.0
15°	2948.4	2958.7	3020.3	3147.0	3287.4	3393.6	3489.5	3561.4	3681.2	3760.0	3763.4
17.5°	3058.0	3102.5	3188.1	3308.0	3455.2	3612.8	3688.1	3766.9	3811.4	3917.5	3941.5
20°	3277.2	3284.0	3366.2	3523.7	3708.6	3852.5	3907.3	3948.4	3931.2	4040.8	4061.4
22.5°	3482.6	3489.5	3592.2	3804.5	4003.1	4126.4	4150.4	4126.4	4075.1	4153.8	4160.7
25°	3691.5	3753.2	3828.5	4040.8	4287.4	4451.7	4455.2	4390.1	4283.9	4297.6	4331.9
27.5°	4016.8	4061.4	4140.1	4335.3	4605.8	4790.8	4759.9	4681.2	4544.2	4554.5	4544.2
30°	4397.0	4438.0	4503.1	4753.1	4951.7	5153.7	5198.3	5122.9	4917.5	4872.9	4924.3
32.5°	4855.8	4914.0	5033.9	5263.3	5431.1	5554.4	5585.2	5557.8	5366.1	5348.9	5383.2
35°	5414.0	5492.8	5602.3	5804.4	5941.4	6164.0	6164.0	6071.5	5896.8	5917.4	5914.0
37.5°	6003.0	6119.4	6290.7	6496.1	6681.0	6800.9	6763.2	6684.5	6509.8	6465.3	6509.8
40°	6742.7	6800.9	7016.6	7283.7	7509.7	7646.7	7485.8	7314.6	6896.8	6961.8	7081.7
42.5°	7417.3	7509.7	7674.1	7968.6	8225.4	8338.5	8146.7	7807.7	7304.3	7252.9	7341.9
45°	7992.6	8091.9	8307.6	8728.8	8999.4	9098.7	8674.0	8126.1	7550.8	7420.7	7458.4
47.5°	8376.1	8427.5	8728.8	9129.5	9376.1	9602.1	8992.5	8345.3	7667.3	7420.7	7407.0
50°	8228.9	8317.9	8670.6	9126.1	9574.7	9735.6	9153.5	8513.1	7704.9	7389.9	7348.8
52.5°	7307.7	7461.8	7855.6	8468.6	9146.6	9721.9	9376.1	8458.3	7691.2	7420.7	7482.4
55°	5085.3	5088.7	5568.1	6472.1	7670.7	9026.8	9050.7	8519.9	7780.3	7612.5	7615.9
57.5°	2044.4	2147.1	2513.5	3421.0	4527.1	6198.2	7369.3	7903.6	7790.5	7749.5	7855.6
60°	517.1	520.5	633.5	965.7	1592.4	2657.3	3859.3	5222.2	6013.3	6283.8	6321.5
62.5°	263.7	267.1	294.5	342.4	434.9	712.3	1267.0	2010.1	2859.4	3290.9	3403.9
65°	215.7	215.7	232.9	256.8	260.3	274.0	328.7	469.1	681.5	773.9	784.2
67.5°	164.4	164.4	178.1	191.8	198.6	195.2	188.3	195.2	236.3	226.0	219.2
70°	102.7	106.2	113.0	126.7	133.6	137.0	140.4	147.2	167.8	174.6	167.8
72.5°	61.6	61.6	65.1	75.3	85.6	92.5	102.7	109.6	119.9	137.0	133.6
75°	27.4	27.4	34.2	44.5	54.8	65.1	75.3	85.6	92.5	102.7	106.2
77.5°	6.8	10.3	17.1	30.8	41.1	54.8	68.5	78.8	85.6	85.6	82.2
80°	3.4	3.4	13.7	24.0	44.5	58.2	75.3	82.2	92.5	85.6	75.3
82.5°	3.4	3.4	13.7	24.0	41.1	58.2	78.8	89.0	95.9	85.6	71.9
85°	0.0	3.4	10.3	20.5	34.2	41.1	34.2	24.0	13.7	13.7	10.3
87.5°	0.0	0.0	3.4	3.4	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)