

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: P532545

Luminaire Tested: **GALN-SA7D-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532545
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-SA7D-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1200mA 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: 27671 lumens
Efficiency: N/A
Efficacy: 63.9 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): 433
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

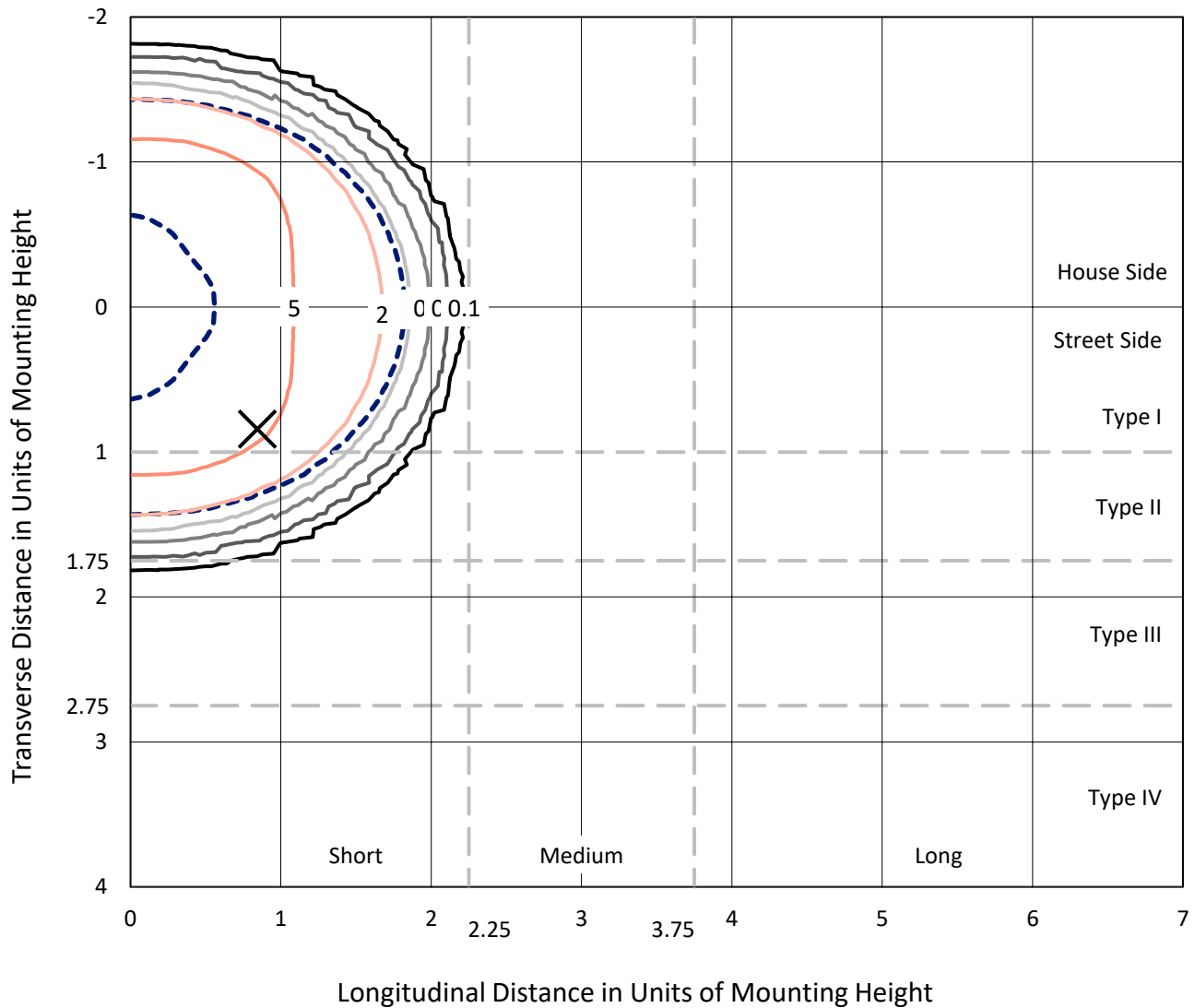


REPORT NUMBER: P532545

CATALOG NUMBER: GALN-SA7D-830-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

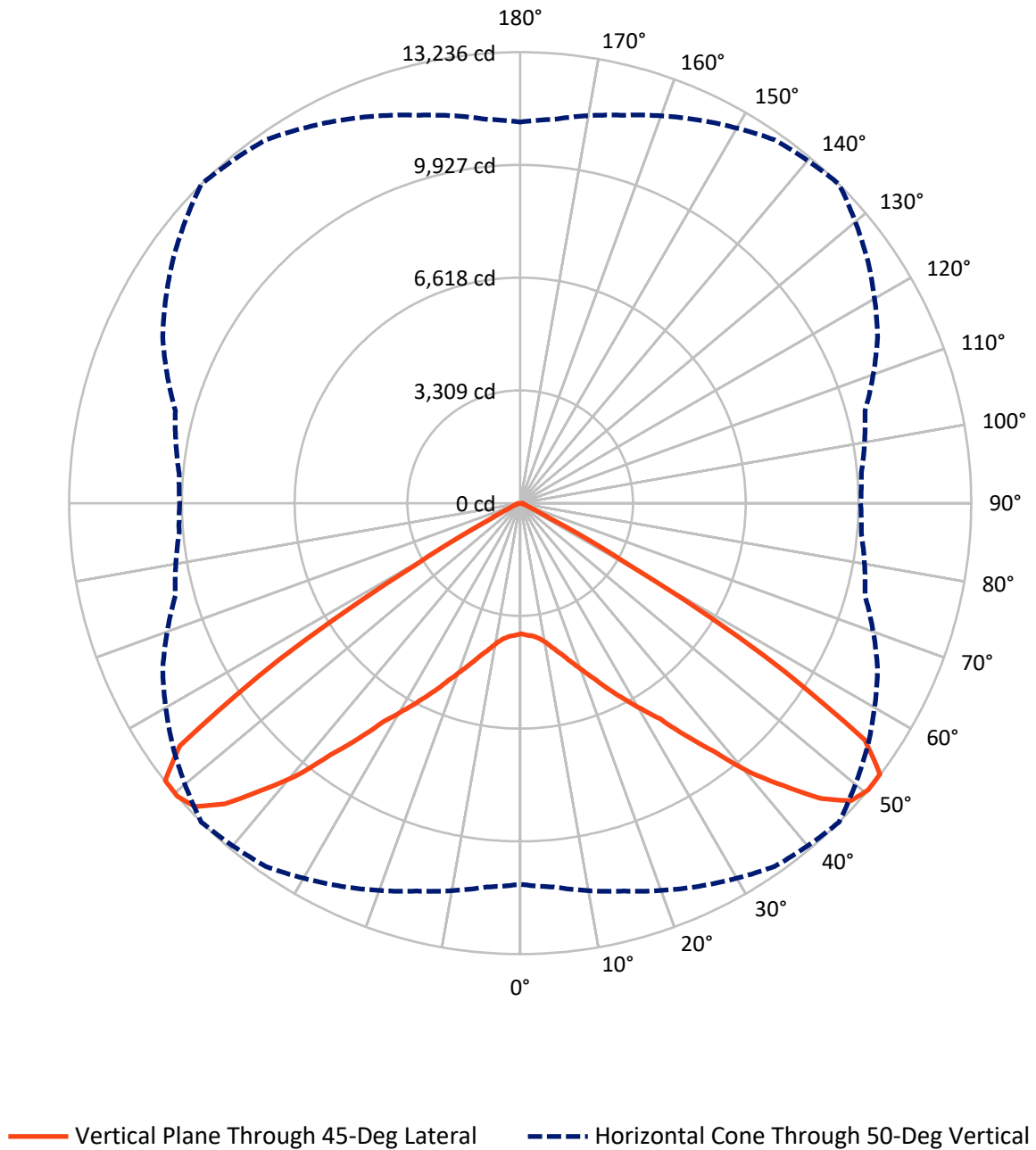


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

REPORT NUMBER: P532545

CATALOG NUMBER: GALN-SA7D-830-U-RW-GRSBK

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13835.5	0.0	13835.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13835.5	0.0	13835.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27671.0	0.0	27671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.7	1.4
10°-20°	1315.4	4.8
20°-30°	2686.6	9.7
30°-40°	5123.2	18.5
40°-50°	8633.4	31.2
50°-60°	8233.5	29.8
60°-70°	1149.4	4.2
70°-80°	109.9	0.4
80°-90°	38.0	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°	27671.0	100.0
0°-180°	27671.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532545

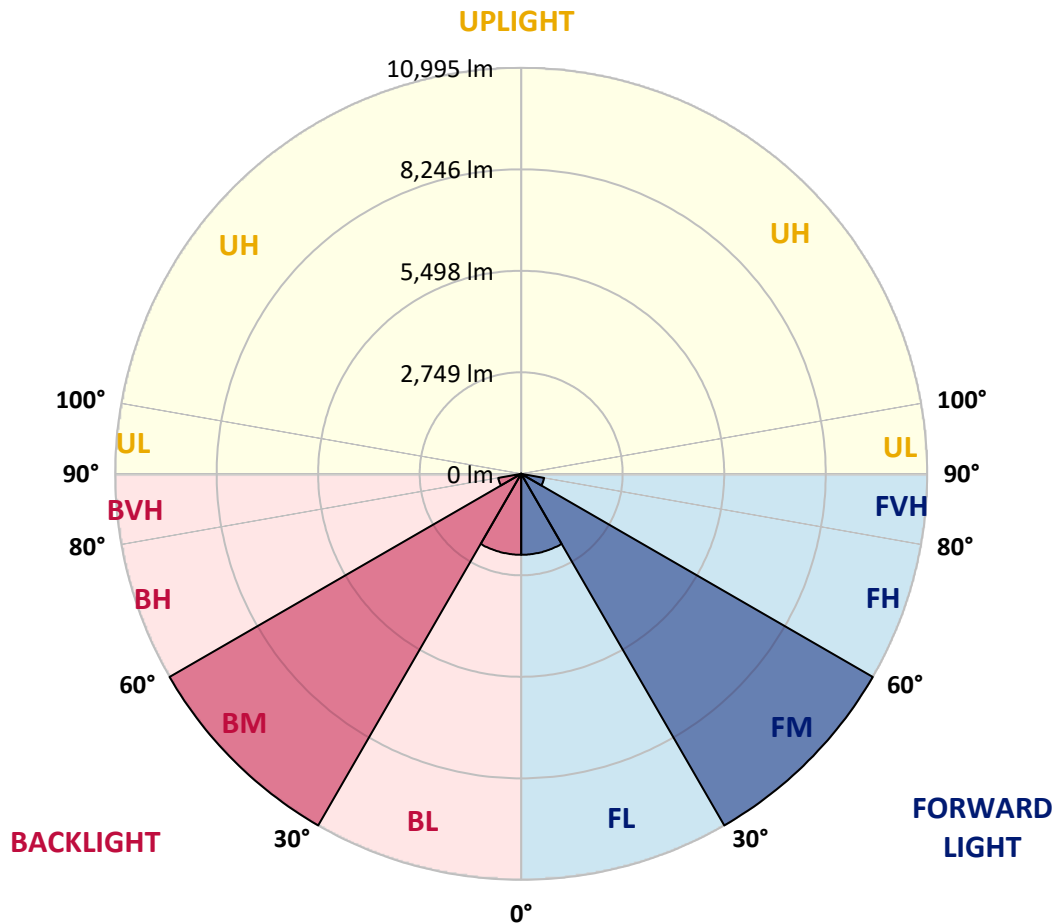
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2191.8	7.9			
FM	(30°-60°)	10995.1	39.7			
FH	(60°-80°)	629.6	2.3			G0/660
FVH	(80°-90°)	19.0	0.1			G1/100
BL	(0°-30°)	2191.8	7.9	B3/2500		
BM	(30°-60°)	10995.1	39.7	B5		
BH	(60°-80°)	629.6	2.3	B2/1000		G0/660
BVH	(80°-90°)	19.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



REPORT NUMBER: P532545

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3836.3	3836.3	3836.3	3836.3	3836.3	3836.3	3836.3	3836.3	3836.3	3836.3	3836.3
2.5°	3822.3	3822.3	3817.7	3854.9	3836.3	3878.2	3873.5	3887.5	3901.5	3896.8	3934.0
5°	3789.7	3785.1	3785.1	3827.0	3868.9	3915.4	3957.3	3985.3	4031.8	4031.8	4078.4
7.5°	3822.3	3799.0	3831.6	3850.2	3929.4	4008.5	4078.4	4134.2	4241.3	4278.6	4264.6
10°	3831.6	3859.6	3882.8	3938.7	4036.5	4157.5	4218.0	4357.7	4478.8	4562.6	4581.2
12.5°	3892.1	3934.0	3999.2	4134.2	4222.7	4381.0	4464.8	4599.8	4767.4	4860.5	4925.7
15°	4008.5	4022.5	4106.3	4278.6	4469.5	4613.8	4744.1	4841.9	5004.9	5111.9	5116.6
17.5°	4157.5	4218.0	4334.4	4497.4	4697.6	4911.7	5014.2	5121.2	5181.8	5326.1	5358.7
20°	4455.5	4464.8	4576.5	4790.7	5042.1	5237.6	5312.1	5368.0	5344.7	5493.7	5521.6
22.5°	4734.8	4744.1	4883.8	5172.5	5442.5	5610.1	5642.7	5610.1	5540.3	5647.3	5656.7
25°	5018.8	5102.6	5205.0	5493.7	5828.9	6052.4	6057.0	5968.6	5824.3	5842.9	5889.4
27.5°	5461.1	5521.6	5628.7	5894.1	6261.9	6513.3	6471.4	6364.3	6178.1	6192.1	6178.1
30°	5977.9	6033.8	6122.2	6462.1	6732.1	7006.8	7067.3	6964.9	6685.6	6625.0	6694.9
32.5°	6601.8	6680.9	6843.8	7155.8	7383.9	7551.5	7593.4	7556.2	7295.4	7272.2	7318.7
35°	7360.6	7467.7	7616.7	7891.4	8077.6	8380.2	8380.2	8254.5	8017.1	8045.0	8040.4
37.5°	8161.4	8319.7	8552.5	8831.8	9083.2	9246.2	9195.0	9087.9	8850.4	8789.9	8850.4
40°	9167.0	9246.2	9539.5	9902.6	10209.9	10396.1	10177.3	9944.5	9376.5	9465.0	9627.9
42.5°	10084.2	10209.9	10433.4	10833.8	11182.9	11336.6	11075.9	10614.9	9930.6	9860.7	9981.8
45°	10866.4	11001.4	11294.7	11867.3	12235.1	12370.1	11792.8	11047.9	10265.8	10088.9	10140.1
47.5°	11387.8	11457.6	11867.3	12412.0	12747.2	13054.5	12225.8	11345.9	10424.1	10088.9	10070.2
50°	11187.6	11308.6	11788.2	12407.4	13017.3	13236.1	12444.6	11574.0	10475.3	10047.0	9991.1
52.5°	9935.2	10144.7	10680.1	11513.5	12435.3	13217.5	12747.2	11499.5	10456.7	10088.9	10172.7
55°	6913.7	6918.3	7570.1	8799.2	10428.7	12272.4	12305.0	11583.3	10577.7	10349.6	10354.2
57.5°	2779.4	2919.1	3417.3	4651.0	6154.8	8426.8	10019.0	10745.3	10591.7	10535.8	10680.1
60°	703.0	707.7	861.3	1312.9	2164.9	3612.8	5247.0	7099.9	8175.4	8543.2	8594.4
62.5°	358.5	363.1	400.4	465.6	591.3	968.4	1722.6	2732.9	3887.5	4474.1	4627.7
65°	293.3	293.3	316.6	349.2	353.8	372.5	446.9	637.8	926.5	1052.2	1066.2
67.5°	223.5	223.5	242.1	260.7	270.0	265.4	256.1	265.4	321.2	307.3	298.0
70°	139.7	144.3	153.6	172.3	181.6	186.2	190.9	200.2	228.1	237.4	228.1
72.5°	83.8	83.8	88.5	102.4	116.4	125.7	139.7	149.0	162.9	186.2	181.6
75°	37.2	37.2	46.6	60.5	74.5	88.5	102.4	116.4	125.7	139.7	144.3
77.5°	9.3	14.0	23.3	41.9	55.9	74.5	93.1	107.1	116.4	116.4	111.7
80°	4.7	4.7	18.6	32.6	60.5	79.1	102.4	111.7	125.7	116.4	102.4
82.5°	4.7	4.7	18.6	32.6	55.9	79.1	107.1	121.0	130.4	116.4	97.8
85°	0.0	4.7	14.0	27.9	46.6	55.9	46.6	32.6	18.6	18.6	14.0
87.5°	0.0	0.0	4.7	4.7	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)