

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: P532072

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
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-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28367 lumens
Efficiency: N/A
Efficacy: 99.2 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

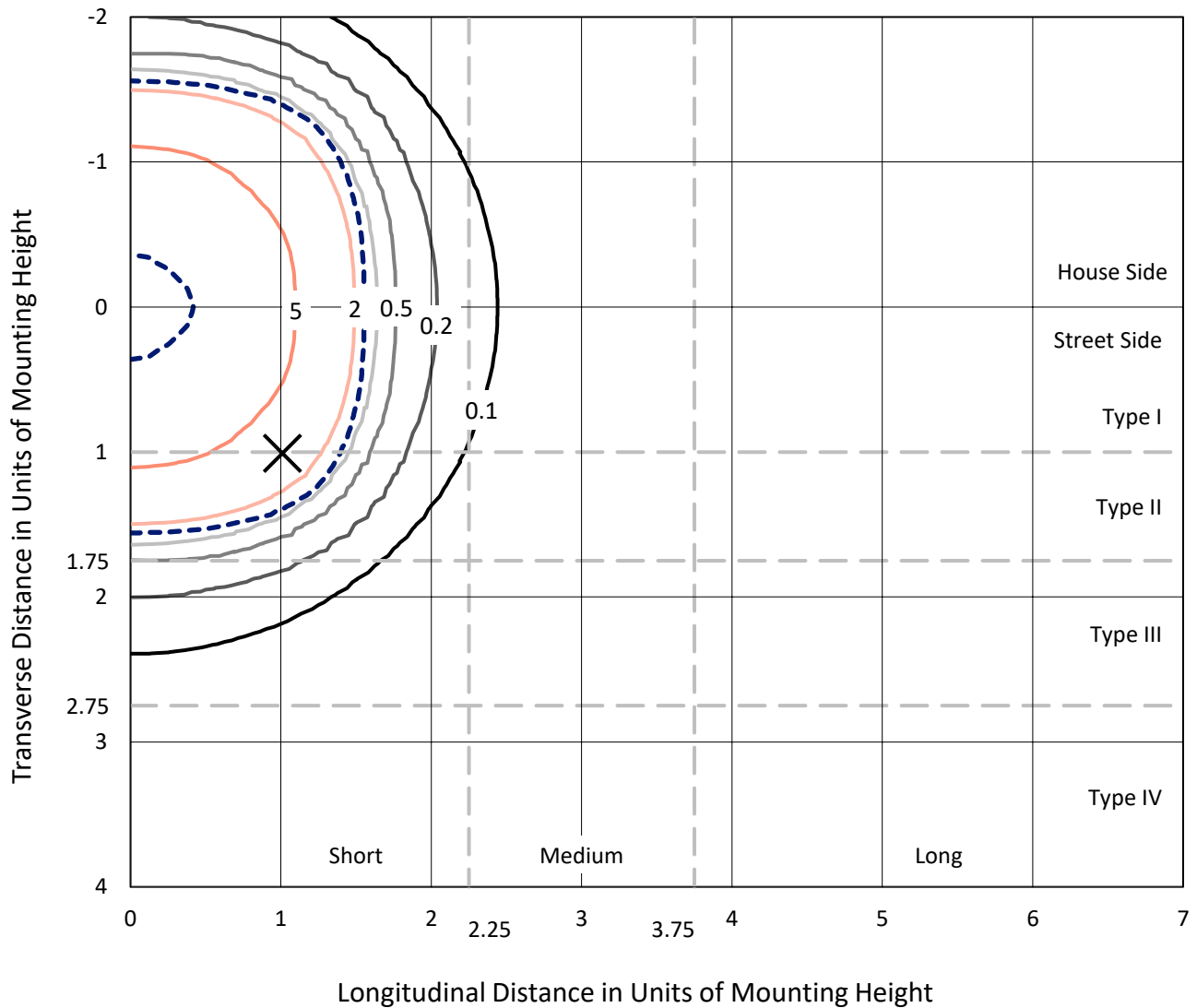
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532072
 CATALOG NUMBER: GALN-SA7B-830-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

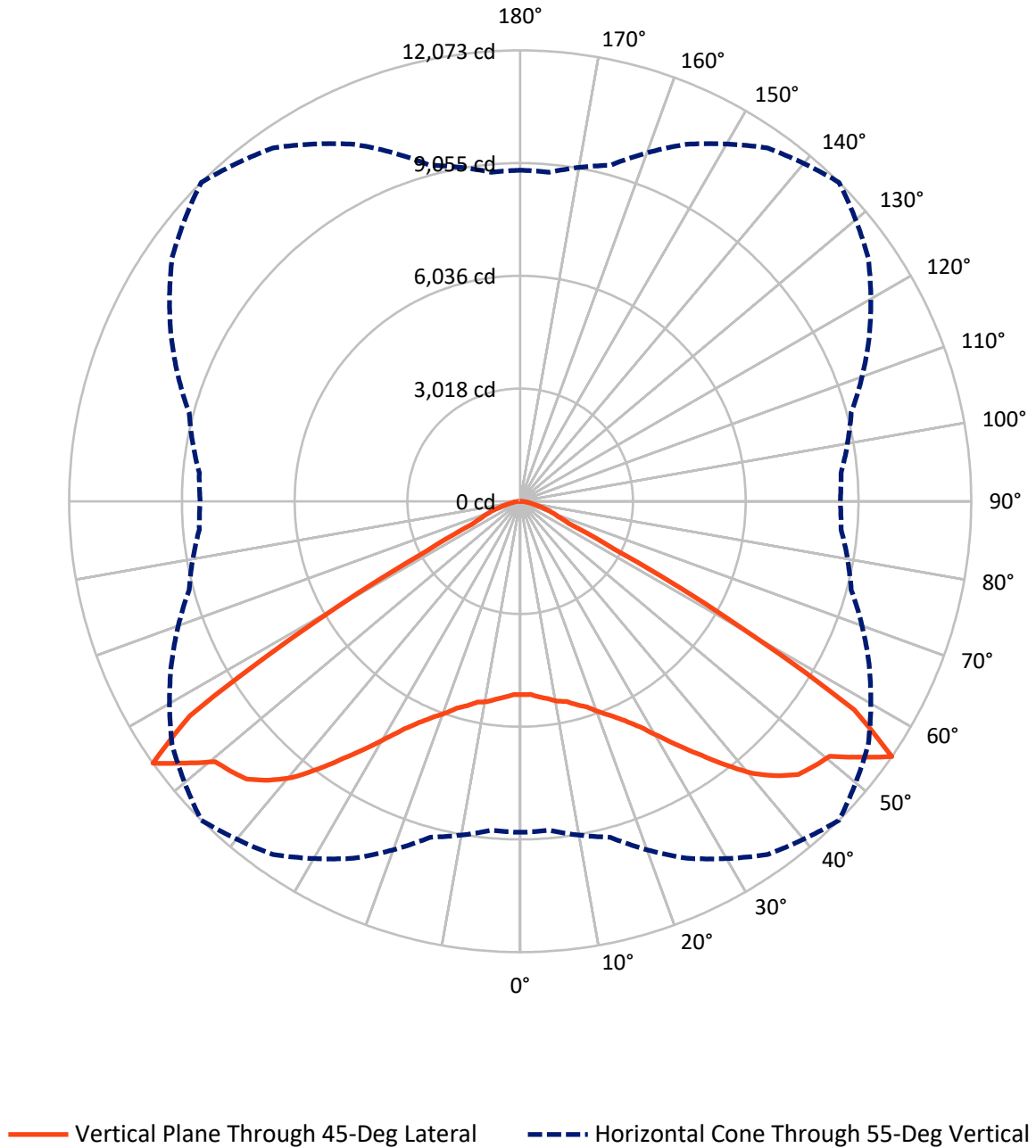
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

REPORT NUMBER: P532072
CATALOG NUMBER: GALN-SA7B-830-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P532072
 CATALOG NUMBER: GALN-SA7B-830-U-5NQ-GRSWH

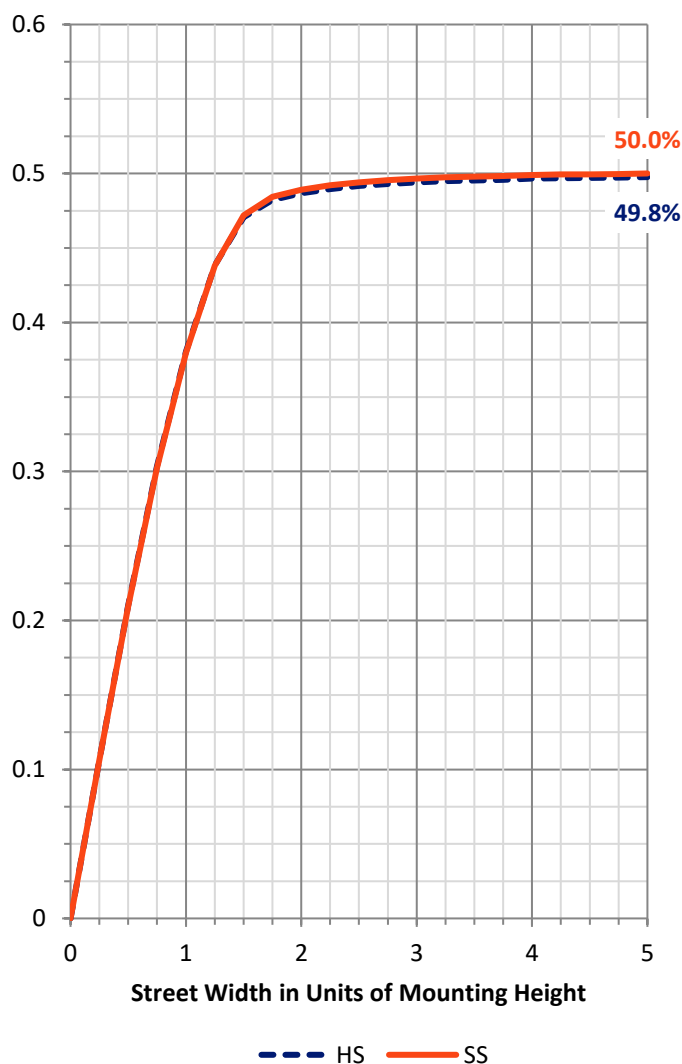
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14183.5	0.0	14183.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14183.5	0.0	14183.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28367.0	0.0	28367.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.0	1.8
10°-20°	1603.2	5.7
20°-30°	2989.4	10.5
30°-40°	5005.3	17.6
40°-50°	7788.6	27.5
50°-60°	8087.1	28.5
60°-70°	1715.0	6.0
70°-80°	564.8	2.0
80°-90°	107.6	0.4
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°	28367.0	100.0
0°-180°	28367.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532072

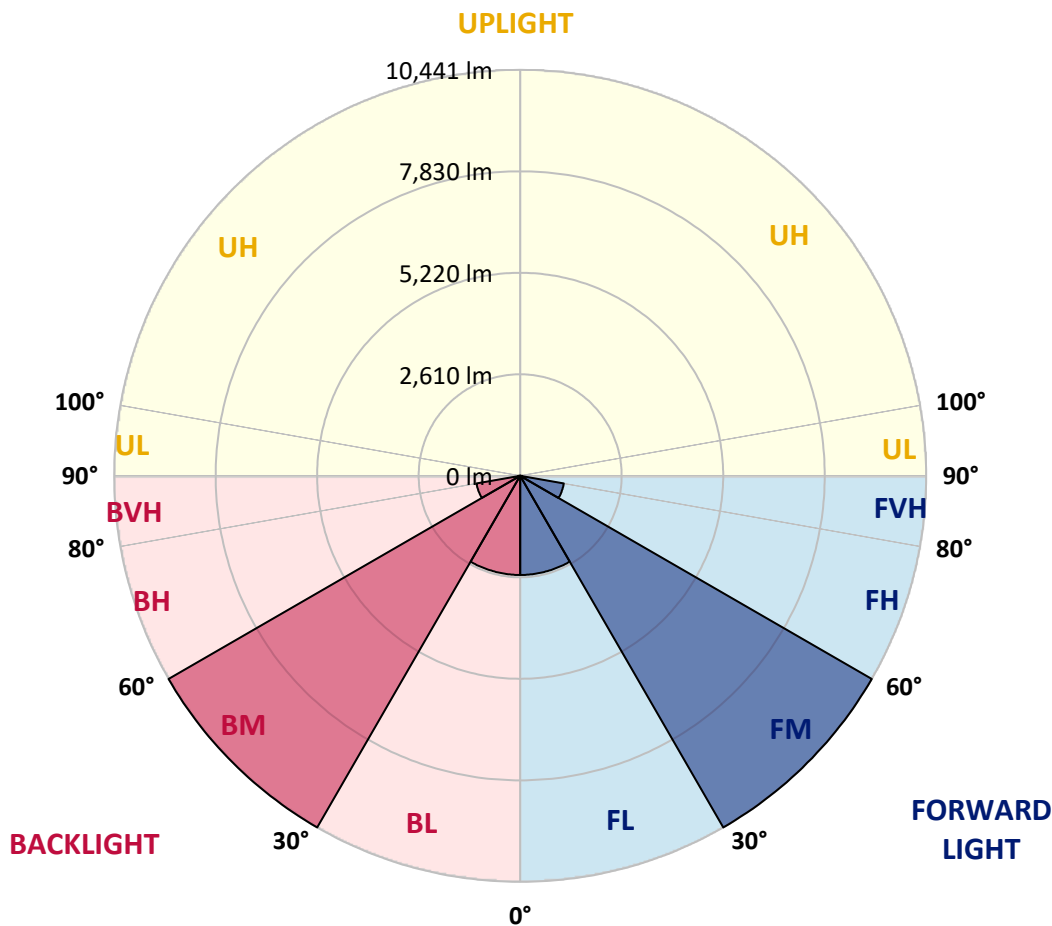
CATALOG NUMBER: GALN-SA7B-830-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2549.3	9.0			
FM (30°-60°)	10440.5	36.8			
FH (60°-80°)	1139.9	4.0			G1/1800
FVH (80°-90°)	53.8	0.2			G1/100
BL (0°-30°)	2549.3	9.0	B4/5000		
BM (30°-60°)	10440.5	36.8	B5		
BH (60°-80°)	1139.9	4.0	B3/2500		G1/1800
BVH (80°-90°)	53.8	0.2			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: P532072

CATALOG NUMBER: GALN-SA7B-830-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5179.4	5179.4	5179.4	5179.4	5179.4	5179.4	5179.4	5179.4	5179.4	5179.4	5179.4
2.5°	5241.1	5217.1	5176.0	5206.8	5230.8	5179.4	5200.0	5210.2	5203.4	5176.0	5186.2
5°	5316.5	5302.8	5268.5	5292.5	5261.7	5261.7	5241.1	5213.7	5254.8	5247.9	5265.1
7.5°	5316.5	5299.4	5367.9	5323.4	5337.1	5337.1	5302.8	5275.4	5295.9	5265.1	5247.9
10°	5422.8	5446.8	5415.9	5426.2	5419.3	5443.3	5391.9	5374.8	5357.6	5347.4	5326.8
12.5°	5549.6	5532.5	5542.7	5535.9	5559.9	5498.2	5467.3	5429.6	5460.5	5415.9	5446.8
15°	5652.4	5642.1	5652.4	5679.8	5655.9	5652.4	5597.6	5559.9	5511.9	5522.2	5474.2
17.5°	5793.0	5782.7	5786.1	5810.1	5806.7	5789.5	5748.4	5676.4	5659.3	5631.9	5601.0
20°	6002.1	5984.9	5978.1	5988.3	6005.5	6019.2	5936.9	5909.5	5851.2	5806.7	5755.3
22.5°	6180.3	6173.5	6200.9	6156.3	6194.0	6235.2	6156.3	6142.6	5998.6	5974.6	5919.8
25°	6427.1	6416.8	6399.7	6464.8	6509.4	6505.9	6430.5	6355.1	6245.4	6218.0	6218.0
27.5°	6687.6	6629.3	6718.5	6735.6	6814.4	6838.4	6773.3	6663.6	6560.8	6502.5	6516.2
30°	7013.3	6958.4	6979.0	7102.4	7205.2	7294.3	7129.8	6968.7	6824.7	6721.9	6704.8
32.5°	7338.9	7284.1	7345.8	7465.7	7671.4	7805.1	7644.0	7362.9	7194.9	7044.1	7075.0
35°	7602.8	7644.0	7743.4	7925.1	8137.6	8353.5	8096.4	7880.5	7640.5	7472.6	7496.6
37.5°	8027.9	8154.7	8233.6	8442.6	8744.3	8967.1	8699.7	8418.7	8161.6	7942.2	7866.8
40°	8583.2	8668.9	8758.0	9004.8	9361.3	9584.1	9330.4	8963.7	8710.0	8483.8	8473.5
42.5°	9193.3	9275.6	9368.2	9669.8	9882.3	10050.3	9817.2	9621.8	9340.7	9162.5	9152.2
45°	9902.9	9844.6	9947.4	10146.3	10324.5	10434.2	10283.4	10187.4	9985.2	9820.6	9803.5
47.5°	10375.9	10324.5	10509.6	10687.9	10715.3	10595.3	10626.1	10715.3	10502.7	10232.0	10317.6
50°	10650.1	10650.1	10773.5	10938.1	10886.7	10732.4	10975.8	10982.6	10770.1	10530.2	10530.2
52.5°	10173.7	10279.9	10629.6	11167.7	11339.1	11383.7	11328.8	11095.8	10540.5	10050.3	10026.3
55°	8864.3	8840.3	9313.3	10547.3	11544.8	12072.7	11373.4	10300.5	9172.8	8620.9	8566.0
57.5°	5765.5	5793.0	6499.1	7757.1	9556.7	10540.5	9361.3	7853.1	6499.1	5738.1	5810.1
60°	2594.8	2687.4	3115.9	4055.1	5601.0	6403.1	5614.7	4260.7	3270.1	2838.2	2875.9
62.5°	1491.1	1508.2	1525.4	1809.9	2385.7	2821.1	2478.3	1912.7	1686.5	1611.1	1611.1
65°	1258.0	1247.7	1251.1	1275.1	1336.8	1426.0	1388.3	1336.8	1343.7	1336.8	1326.6
67.5°	1069.5	1083.2	1072.9	1090.0	1093.5	1107.2	1131.2	1151.7	1155.2	1162.0	1155.2
70°	877.5	880.9	887.8	901.5	904.9	915.2	949.5	966.6	976.9	976.9	990.6
72.5°	671.8	668.4	675.3	689.0	706.1	709.6	740.4	764.4	778.1	761.0	764.4
75°	442.2	445.6	455.9	466.2	490.2	514.2	524.5	548.4	551.9	558.7	541.6
77.5°	263.9	270.8	281.1	301.6	322.2	342.8	366.8	383.9	390.8	383.9	363.3
80°	171.4	171.4	185.1	202.2	226.2	243.4	257.1	270.8	281.1	270.8	263.9
82.5°	106.3	106.3	123.4	144.0	161.1	171.4	192.0	209.1	219.4	212.5	202.2
85°	54.8	58.3	72.0	89.1	102.8	109.7	106.3	96.0	85.7	82.3	75.4
87.5°	17.1	17.1	20.6	20.6	17.1	17.1	20.6	17.1	20.6	20.6	20.6
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)