

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: P532070

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27799 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

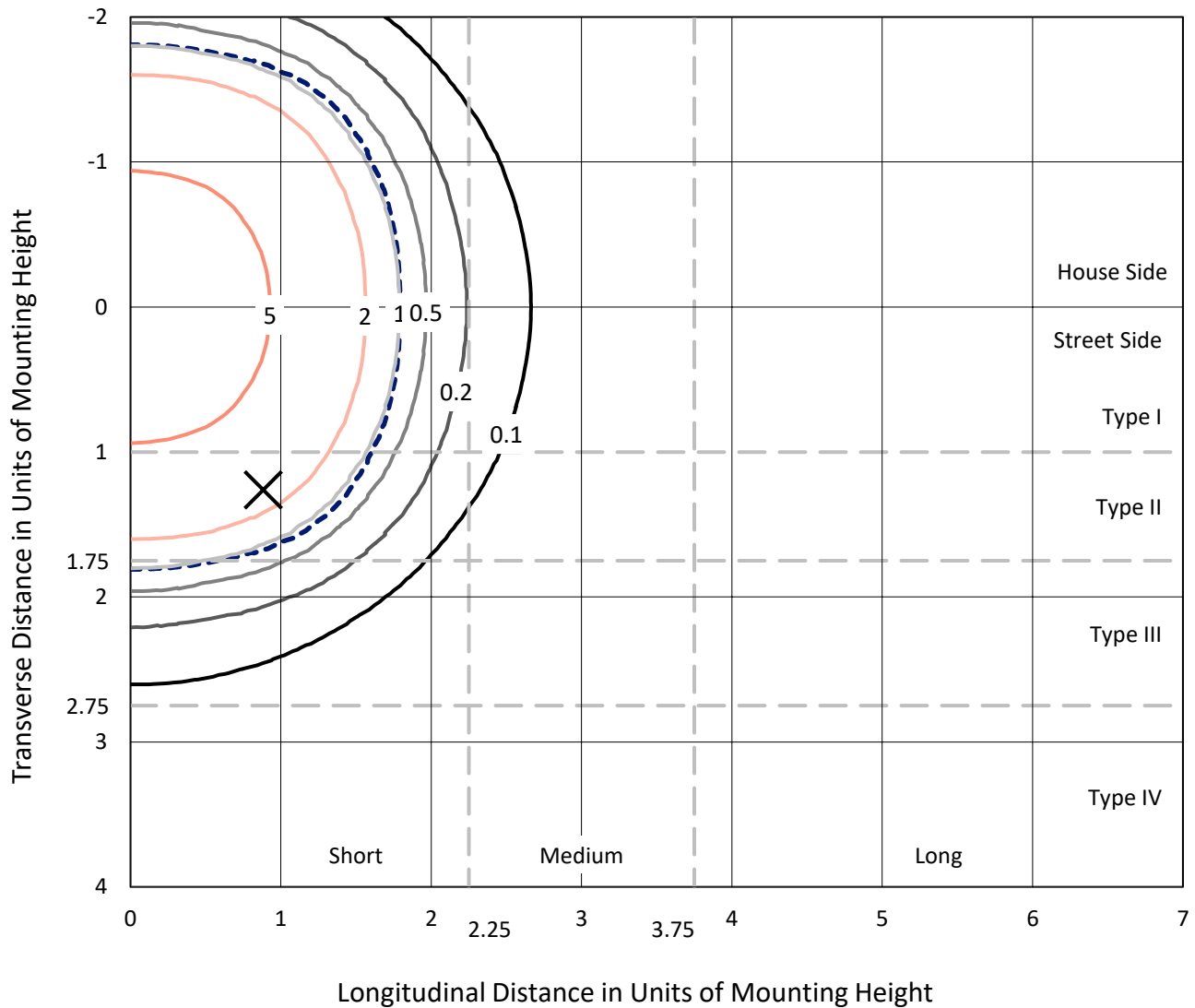


REPORT NUMBER: P532070

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

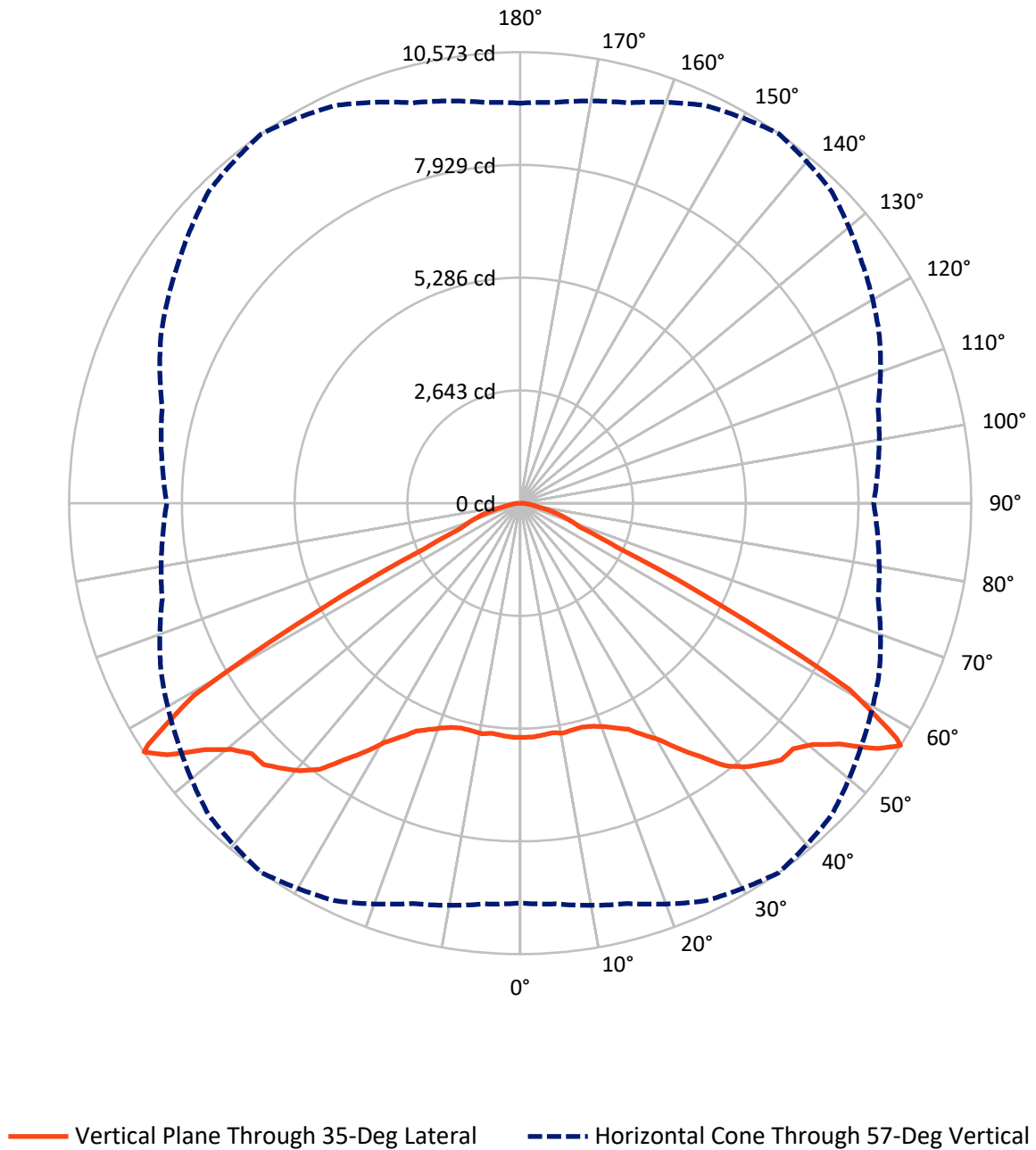


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

REPORT NUMBER: P532070

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

Luminous Intensity Polar Plot



REPORT NUMBER: P532070

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

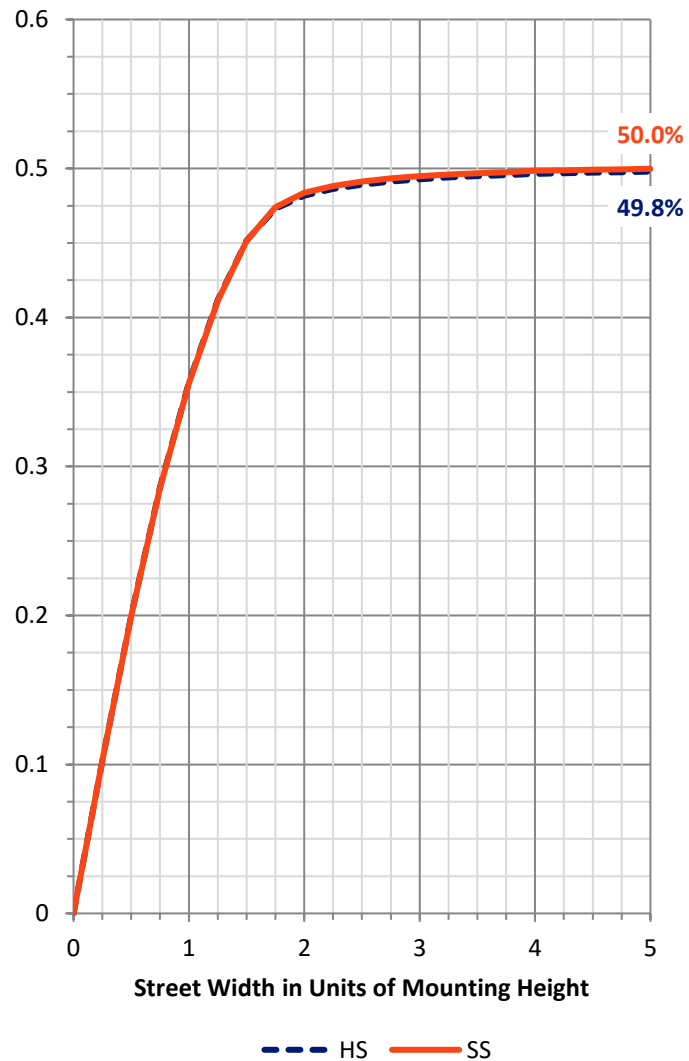
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13899.5	0.0	13899.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13899.5	0.0	13899.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27799.0	0.0	27799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.5	1.9
10°-20°	1541.5	5.5
20°-30°	2692.2	9.7
30°-40°	4411.3	15.9
40°-50°	6468.0	23.3
50°-60°	8147.0	29.3
60°-70°	3064.0	11.0
70°-80°	814.7	2.9
80°-90°	139.7	0.5
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°	27799.0	100.0
0°-180°	27799.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532070

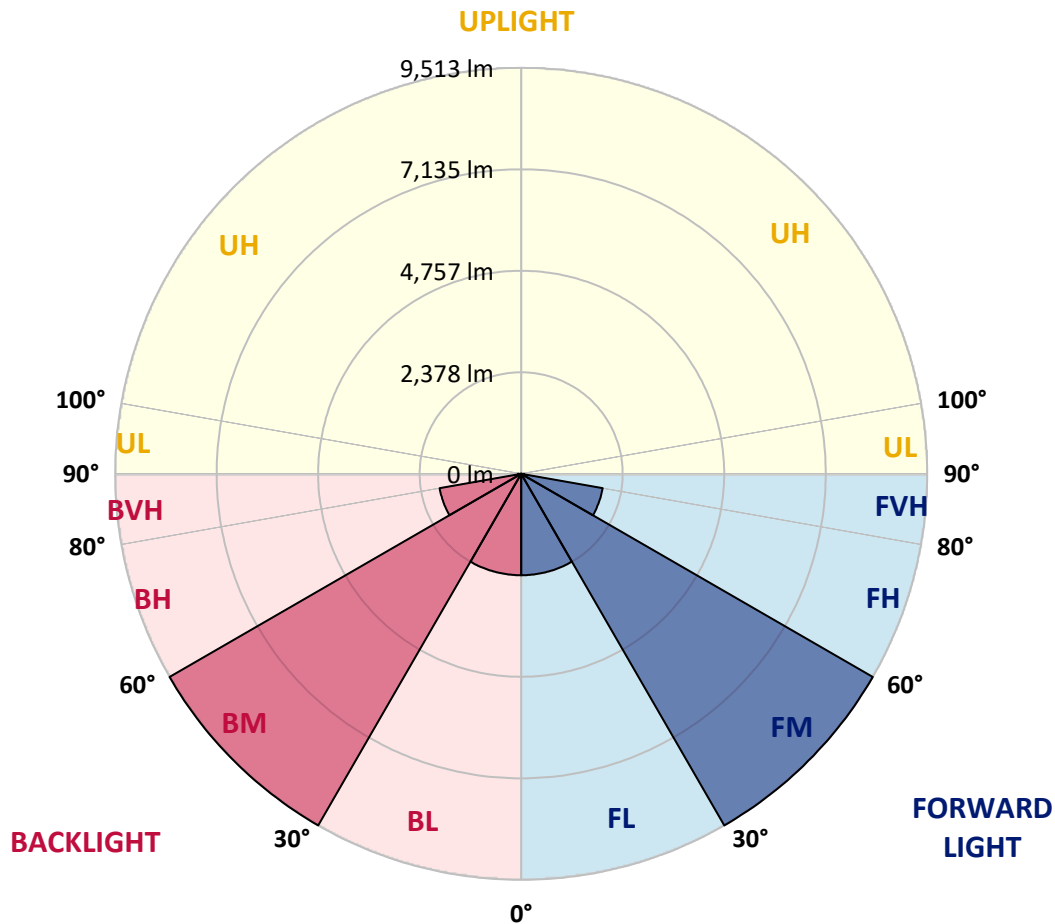
CATALOG NUMBER: GALN-SA7B-830-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2377.1	8.6			
FM	(30°-60°)	9513.2	34.2			
FH	(60°-80°)	1939.4	7.0			G2/5000
FVH	(80°-90°)	69.8	0.3			G1/100
BL	(0°-30°)	2377.1	8.6	B3/2500		
BM	(30°-60°)	9513.2	34.2	B5		
BH	(60°-80°)	1939.4	7.0	B3/2500		G2/5000
BVH	(80°-90°)	69.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



REPORT NUMBER: P532070

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5490.1	5490.1	5490.1	5490.1	5490.1	5490.1	5490.1	5490.1	5490.1	5490.1	5490.1
2.5°	5462.7	5517.5	5493.5	5479.8	5490.1	5473.0	5445.6	5476.4	5469.5	5442.1	5431.9
5°	5449.0	5490.1	5462.7	5490.1	5462.7	5510.6	5496.9	5445.6	5507.2	5449.0	5469.5
7.5°	5438.7	5452.4	5459.3	5445.6	5435.3	5493.5	5462.7	5438.7	5404.5	5394.2	5411.3
10°	5414.8	5449.0	5397.6	5466.1	5479.8	5438.7	5438.7	5394.2	5366.8	5349.7	5407.9
12.5°	5476.4	5418.2	5411.3	5445.6	5455.8	5473.0	5425.0	5401.1	5349.7	5356.5	5346.3
15°	5404.5	5428.4	5431.9	5438.7	5449.0	5490.1	5445.6	5394.2	5373.7	5301.7	5308.6
17.5°	5431.9	5407.9	5431.9	5510.6	5496.9	5527.8	5479.8	5401.1	5353.1	5312.0	5366.8
20°	5479.8	5469.5	5479.8	5575.7	5592.8	5620.2	5579.1	5507.2	5414.8	5366.8	5394.2
22.5°	5531.2	5524.3	5531.2	5623.7	5723.0	5757.2	5716.1	5548.3	5500.4	5411.3	5380.5
25°	5623.7	5630.5	5702.4	5805.2	5870.3	5935.3	5860.0	5740.1	5586.0	5531.2	5466.1
27.5°	5829.2	5846.3	5887.4	6038.1	6151.1	6209.3	6103.2	5938.8	5842.9	5729.8	5712.7
30°	6082.6	6082.6	6154.5	6284.7	6438.8	6527.8	6397.7	6202.5	6086.0	6024.4	5986.7
32.5°	6418.2	6380.6	6408.0	6637.4	6877.2	6952.5	6777.9	6538.1	6353.2	6271.0	6243.6
35°	6705.9	6729.9	6791.6	7038.1	7305.3	7480.0	7206.0	6894.3	6705.9	6630.6	6616.9
37.5°	7079.2	7120.3	7151.2	7490.2	7812.2	7877.2	7613.5	7363.5	7134.0	7072.4	7038.1
40°	7606.7	7579.3	7589.6	7839.6	8130.7	8171.8	7911.5	7733.4	7545.0	7507.4	7507.4
42.5°	8041.6	8010.8	8045.1	8137.5	8360.2	8329.3	8185.5	8055.3	7976.6	7935.5	7976.6
45°	8305.4	8298.5	8360.2	8428.7	8586.2	8483.5	8370.4	8391.0	8315.6	8247.1	8243.7
47.5°	8593.0	8548.5	8623.9	8726.6	8606.7	8558.8	8551.9	8596.5	8572.5	8452.6	8415.0
50°	8733.5	8716.3	8836.2	8956.1	8891.0	8781.4	8805.4	8877.3	8569.1	8408.1	8315.6
52.5°	9110.2	9113.6	9343.1	9408.2	9380.8	9219.8	9271.2	9076.0	8712.9	8486.9	8497.2
55°	9702.7	9678.7	9935.6	10127.4	10158.2	9952.7	9706.1	9432.1	8976.6	8747.2	8678.7
57°	9377.3	9432.1	9716.4	10284.9	10572.6	10329.5	9791.8	9291.7	8685.5	8408.1	8284.8
57.5°	8942.4	9031.4	9524.6	10096.6	10398.0	10377.4	9685.6	9031.4	8490.3	8058.8	8069.0
60°	6551.8	6568.9	7014.2	7921.8	8863.6	8884.2	8041.6	7175.1	6572.4	6103.2	6168.2
62.5°	3455.7	3534.5	3712.6	4442.1	5257.2	5455.8	4945.5	4500.3	3979.7	3623.5	3657.8
65°	1828.9	1818.6	1904.2	2109.7	2510.4	2613.2	2544.7	2191.9	2010.4	1952.2	1955.6
67.5°	1486.4	1503.5	1493.3	1503.5	1530.9	1575.4	1565.2	1578.9	1589.1	1606.3	1602.8
70°	1260.4	1260.4	1267.2	1270.6	1270.6	1291.2	1315.2	1359.7	1363.1	1380.2	1387.1
72.5°	993.2	986.4	996.6	1020.6	1024.0	1041.2	1075.4	1102.8	1113.1	1113.1	1092.5
75°	674.7	681.6	695.3	715.8	736.4	767.2	794.6	811.7	818.5	808.3	798.0
77.5°	380.2	387.0	397.3	428.1	452.1	479.5	510.3	527.4	544.6	548.0	527.4
80°	226.0	226.0	243.2	267.1	294.5	321.9	349.3	369.9	376.7	376.7	366.5
82.5°	137.0	140.4	154.1	178.1	202.1	219.2	243.2	260.3	274.0	270.6	263.7
85°	71.9	71.9	85.6	106.2	123.3	140.4	140.4	130.1	123.3	106.2	99.3
87.5°	24.0	20.5	27.4	27.4	24.0	27.4	27.4	30.8	30.8	30.8	30.8
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)