

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: P531914

Luminaire Tested: **GALN-SA7B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531914
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-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 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: 31859 lumens
Efficiency: N/A
Efficacy: 111.4 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

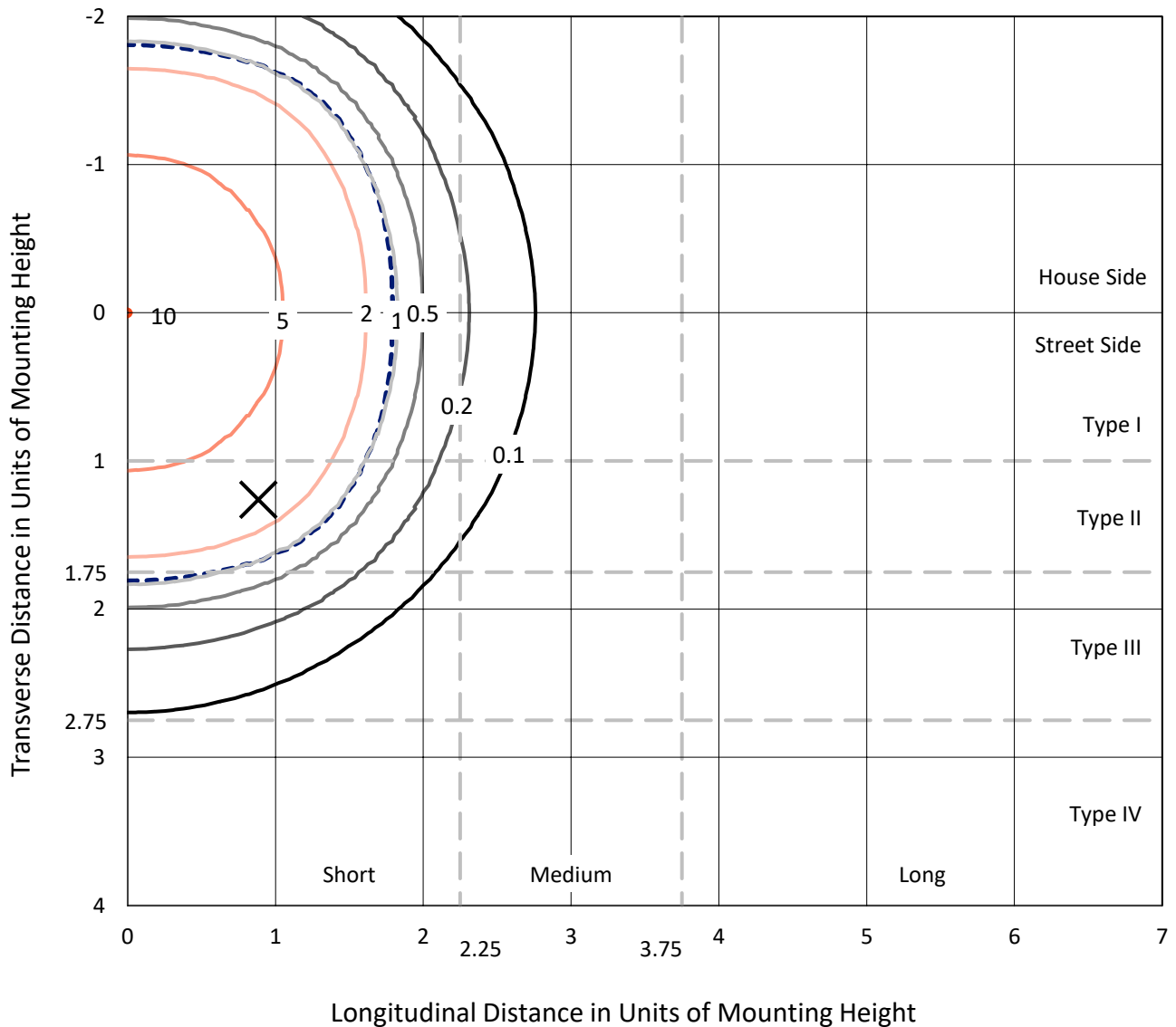
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

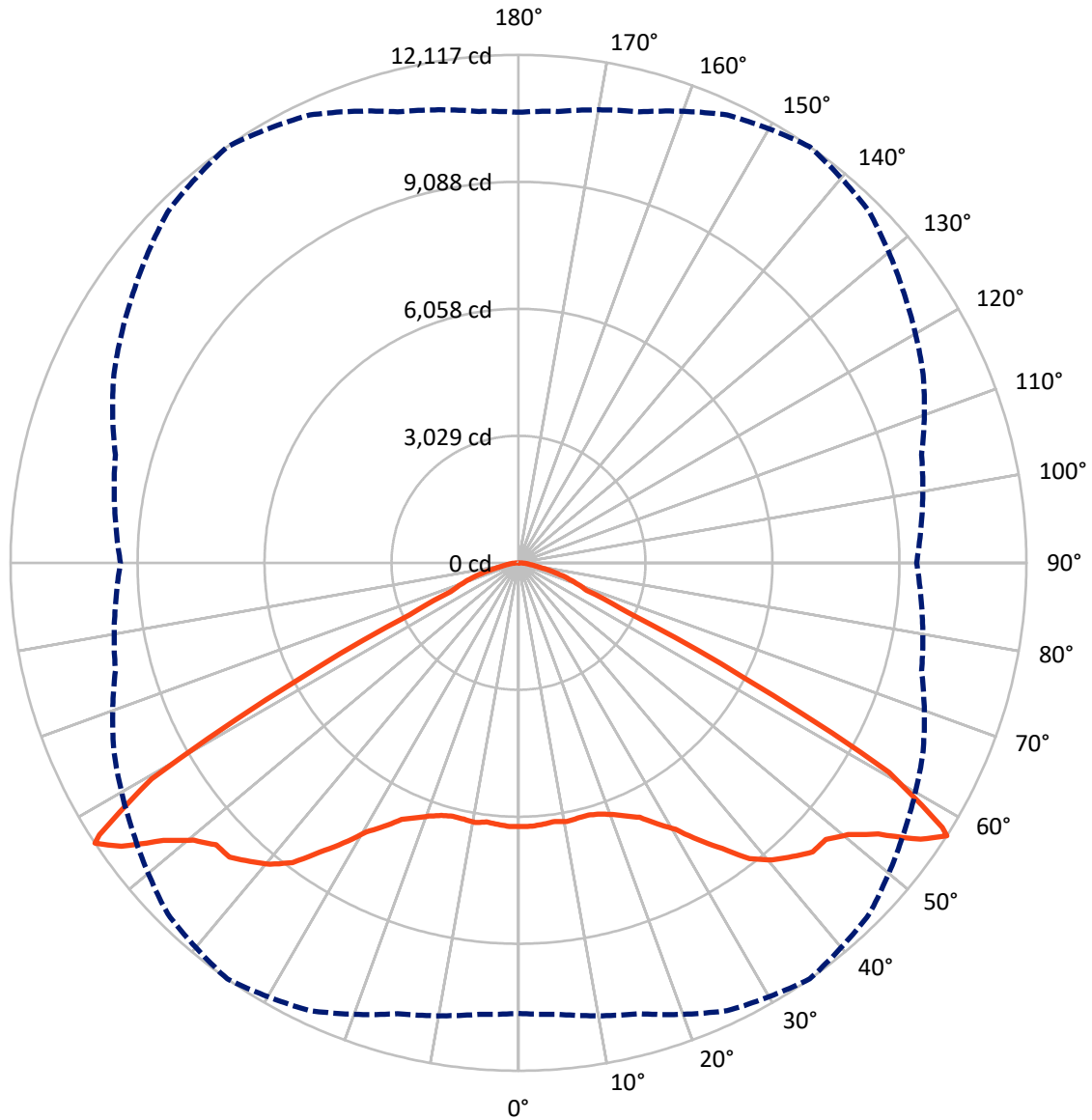
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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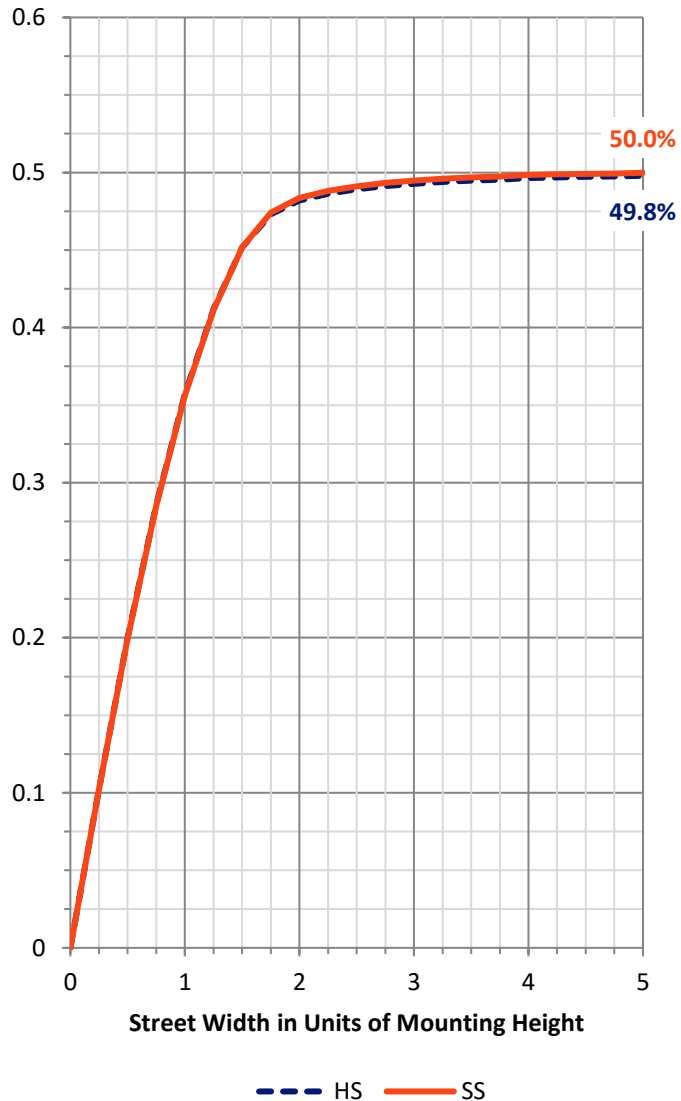
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15929.5	0.0	15929.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15929.5	0.0	15929.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31859.0	0.0	31859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.5	1.9
10°-20°	1766.7	5.5
20°-30°	3085.4	9.7
30°-40°	5055.6	15.9
40°-50°	7412.7	23.3
50°-60°	9336.9	29.3
60°-70°	3511.5	11.0
70°-80°	933.7	2.9
80°-90°	160.1	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°	31859.0	100.0
0°-180°	31859.0	100.0

Coefficient of Utilization

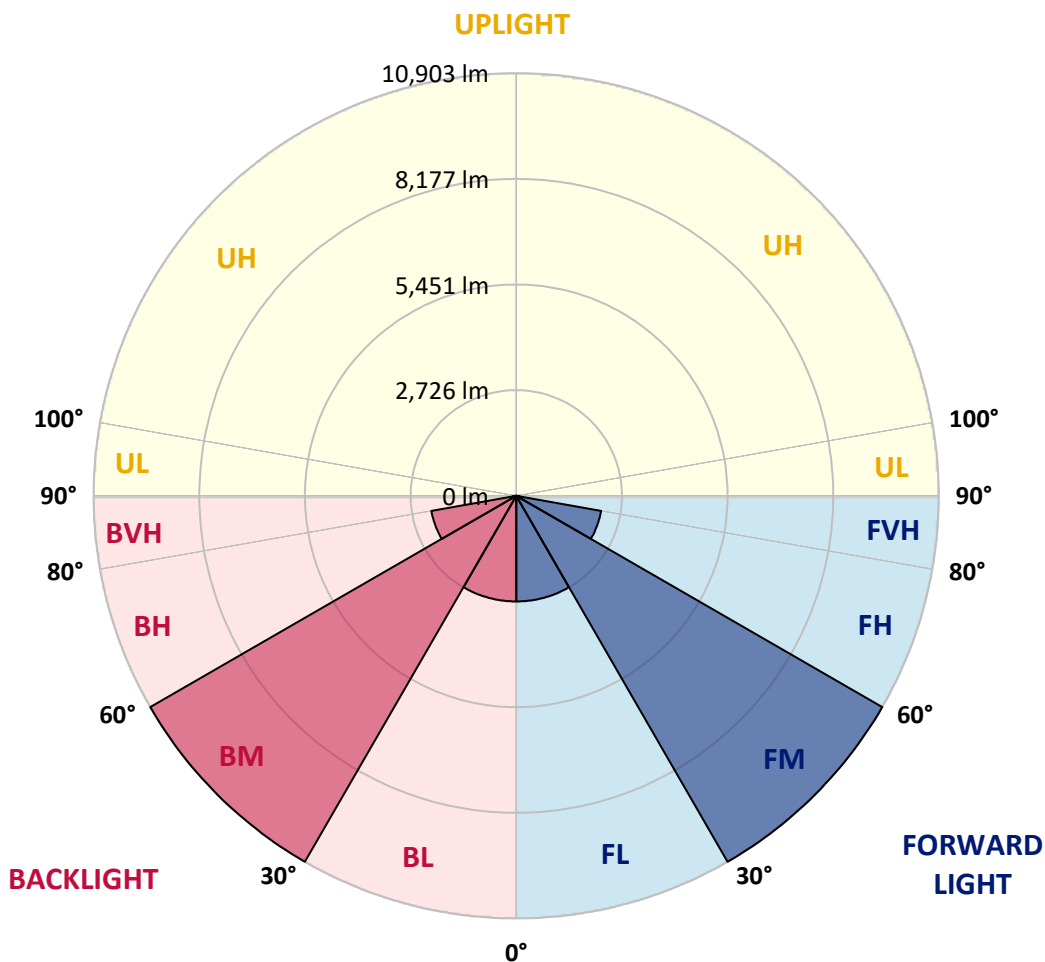


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2724.3	8.6			
FM (30°-60°)	10902.6	34.2			
FH (60°-80°)	2222.6	7.0			G2/5000
FVH (80°-90°)	80.0	0.3			G1/100
BL (0°-30°)	2724.3	8.6	B4/5000		
BM (30°-60°)	10902.6	34.2	B5		
BH (60°-80°)	2222.6	7.0	B3/2500		G2/5000
BVH (80°-90°)	80.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6291.9	6291.9	6291.9	6291.9	6291.9	6291.9	6291.9	6291.9	6291.9	6291.9	6291.9
2.5°	6260.5	6323.3	6295.8	6280.1	6291.9	6272.3	6240.9	6276.2	6268.4	6237.0	6225.2
5°	6244.8	6291.9	6260.5	6291.9	6260.5	6315.5	6299.8	6240.9	6311.5	6244.8	6268.4
7.5°	6233.0	6248.7	6256.6	6240.9	6229.1	6295.8	6260.5	6233.0	6193.8	6182.0	6201.6
10°	6205.6	6244.8	6185.9	6264.4	6280.1	6233.0	6233.0	6182.0	6150.6	6131.0	6197.7
12.5°	6276.2	6209.5	6201.6	6240.9	6252.7	6272.3	6217.3	6189.9	6131.0	6138.8	6127.1
15°	6193.8	6221.3	6225.2	6233.0	6244.8	6291.9	6240.9	6182.0	6158.5	6076.0	6083.9
17.5°	6225.2	6197.7	6225.2	6315.5	6299.8	6335.1	6280.1	6189.9	6134.9	6087.8	6150.6
20°	6280.1	6268.4	6280.1	6390.0	6409.7	6441.1	6394.0	6311.5	6205.6	6150.6	6182.0
22.5°	6339.0	6331.2	6339.0	6445.0	6558.8	6598.1	6551.0	6358.6	6303.7	6201.6	6166.3
25°	6445.0	6452.8	6535.3	6653.0	6727.6	6802.2	6715.8	6578.4	6401.8	6339.0	6264.4
27.5°	6680.5	6700.1	6747.2	6919.9	7049.5	7116.2	6994.5	6806.1	6696.2	6566.7	6547.0
30°	6971.0	6971.0	7053.4	7202.5	7379.2	7481.2	7332.1	7108.3	6974.9	6904.2	6861.1
32.5°	7355.6	7312.4	7343.8	7606.8	7881.6	7967.9	7767.8	7493.0	7281.0	7186.8	7155.4
35°	7685.3	7712.8	7783.5	8066.1	8372.2	8572.4	8258.4	7901.2	7685.3	7599.0	7583.3
37.5°	8113.2	8160.3	8195.6	8584.2	8953.1	9027.7	8725.5	8438.9	8176.0	8105.3	8066.1
40°	8717.6	8686.2	8698.0	8984.5	9318.2	9365.3	9067.0	8862.9	8647.0	8603.8	8603.8
42.5°	9216.1	9180.8	9220.0	9326.0	9581.1	9545.8	9381.0	9231.8	9141.5	9094.4	9141.5
45°	9518.3	9510.5	9581.1	9659.6	9840.2	9722.4	9592.9	9616.5	9530.1	9451.6	9447.7
47.5°	9848.0	9797.0	9883.4	10001.1	9863.7	9808.8	9800.9	9852.0	9824.5	9687.1	9643.9
50°	10009.0	9989.4	10126.7	10264.1	10189.5	10063.9	10091.4	10173.8	9820.6	9636.1	9530.1
52.5°	10440.7	10444.7	10707.6	10782.2	10750.8	10566.3	10625.2	10401.5	9985.4	9726.4	9738.1
55°	11119.8	11092.3	11386.7	11606.5	11641.8	11406.3	11123.7	10809.7	10287.7	10024.7	9946.2
57°	10746.9	10809.7	11135.5	11787.0	12116.7	11838.1	11221.8	10648.8	9954.0	9636.1	9494.8
57.5°	10248.4	10350.5	10915.7	11571.2	11916.6	11893.0	11100.2	10350.5	9730.3	9235.7	9247.5
60°	7508.7	7528.3	8038.6	9078.7	10158.1	10181.7	9216.1	8223.1	7532.2	6994.5	7069.1
62.5°	3960.4	4050.7	4254.8	5090.8	6025.0	6252.7	5667.8	5157.6	4561.0	4152.7	4192.0
65°	2096.0	2084.2	2182.3	2417.9	2877.1	2994.8	2916.3	2512.1	2304.0	2237.3	2241.2
67.5°	1703.5	1723.1	1711.3	1723.1	1754.5	1805.5	1793.8	1809.5	1821.2	1840.9	1836.9
70°	1444.4	1444.4	1452.3	1456.2	1456.2	1479.8	1507.2	1558.3	1562.2	1581.8	1589.7
72.5°	1138.3	1130.4	1142.2	1169.7	1173.6	1193.2	1232.5	1263.9	1275.7	1275.7	1252.1
75°	773.2	781.1	796.8	820.3	843.9	879.2	910.6	930.2	938.1	926.3	914.5
77.5°	435.7	443.5	455.3	490.6	518.1	549.5	584.8	604.5	624.1	628.0	604.5
80°	259.1	259.1	278.7	306.2	337.6	369.0	400.4	423.9	431.8	431.8	420.0
82.5°	157.0	160.9	176.6	204.1	231.6	251.2	278.7	298.3	314.0	310.1	302.2
85°	82.4	82.4	98.1	121.7	141.3	160.9	160.9	149.2	141.3	121.7	113.8
87.5°	27.5	23.6	31.4	31.4	27.5	31.4	31.4	35.3	35.3	35.3	35.3
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)