

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: P532854

Luminaire Tested: **GALN-SA8B-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35501 lumens
Efficiency: N/A
Efficacy: 109.2 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

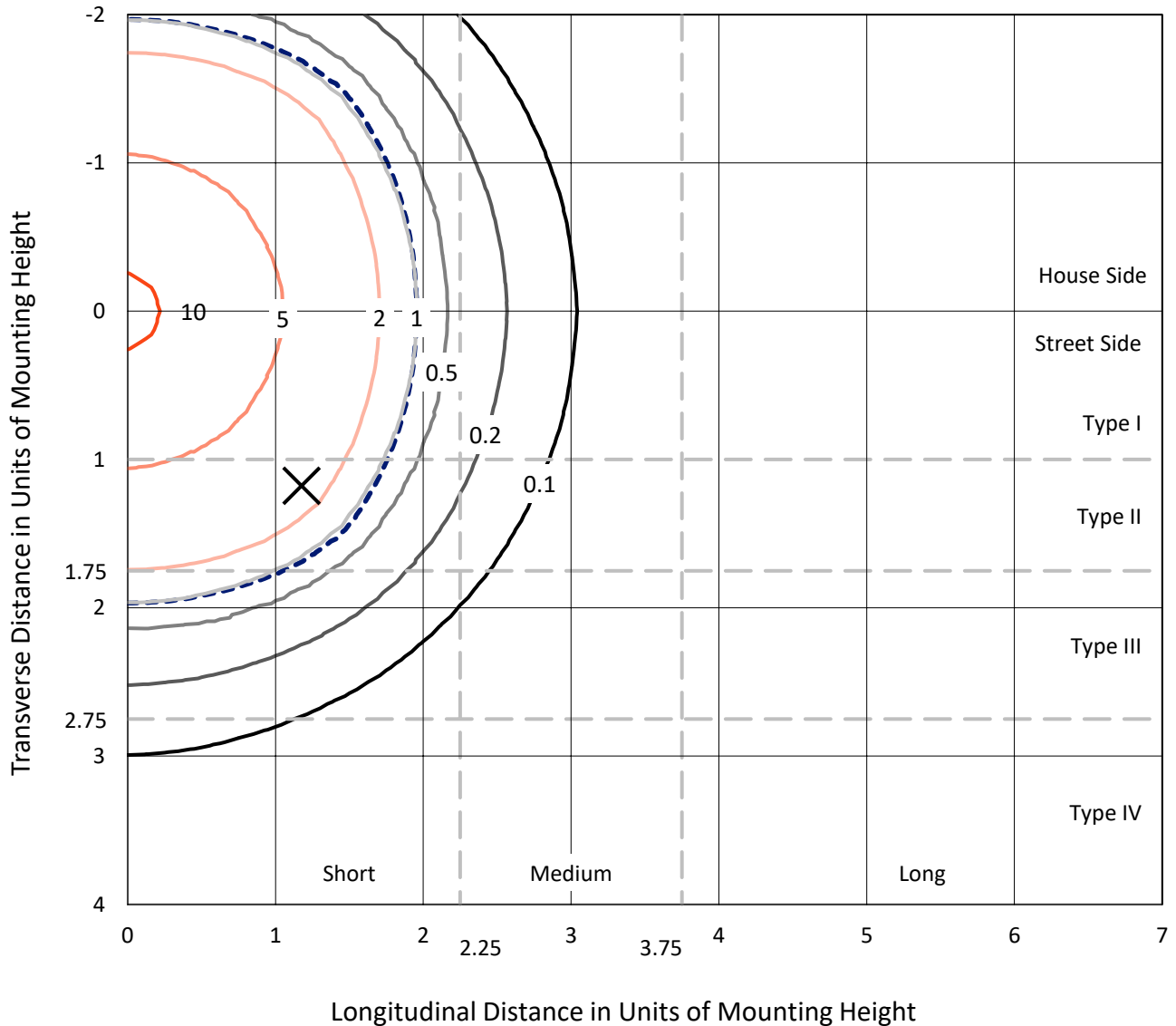
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

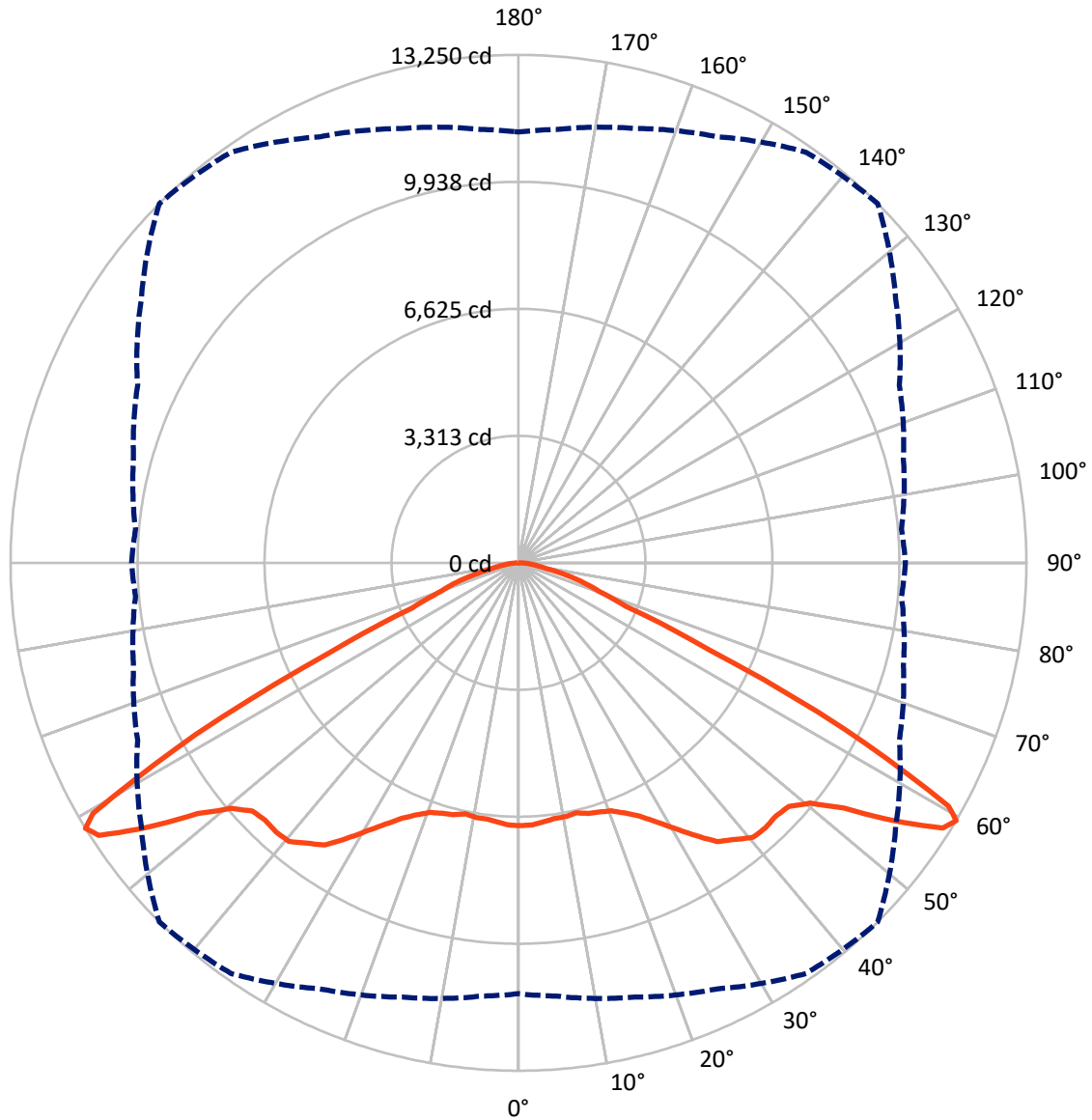
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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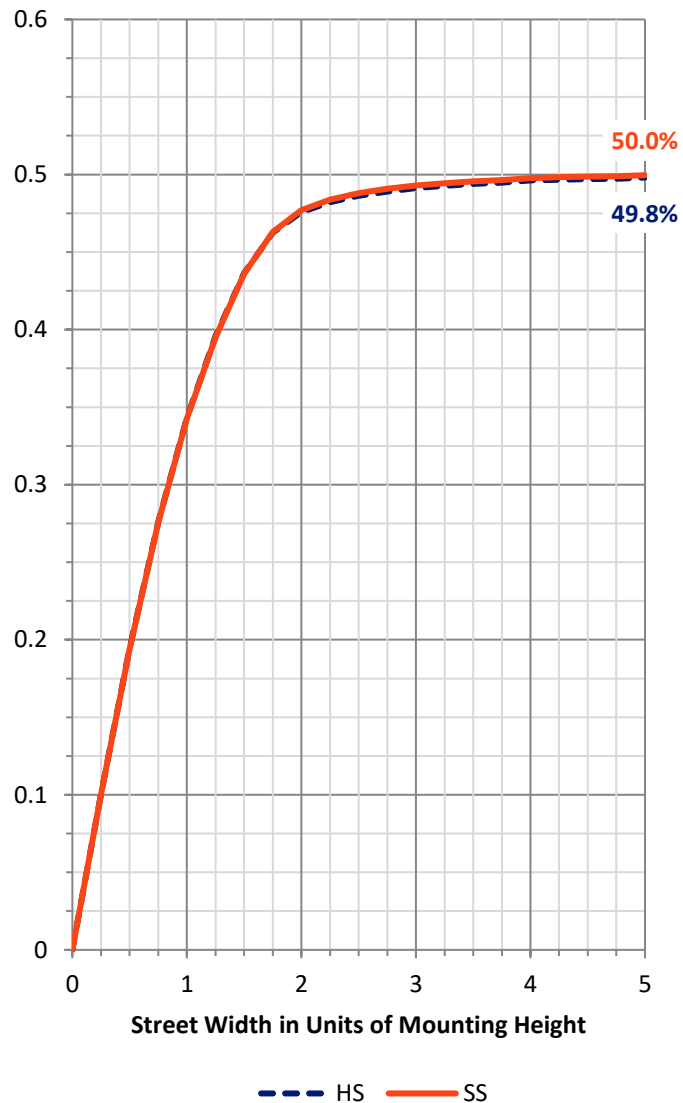
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17750.5	0.0	17750.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17750.5	0.0	17750.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35501.0	0.0	35501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.4	1.8
10°-20°	1922.3	5.4
20°-30°	3356.5	9.5
30°-40°	5360.9	15.1
40°-50°	7302.6	20.6
50°-60°	9875.1	27.8
60°-70°	5415.5	15.3
70°-80°	1385.4	3.9
80°-90°	236.3	0.7
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°	35501.0	100.0
0°-180°	35501.0	100.0

Coefficient of Utilization



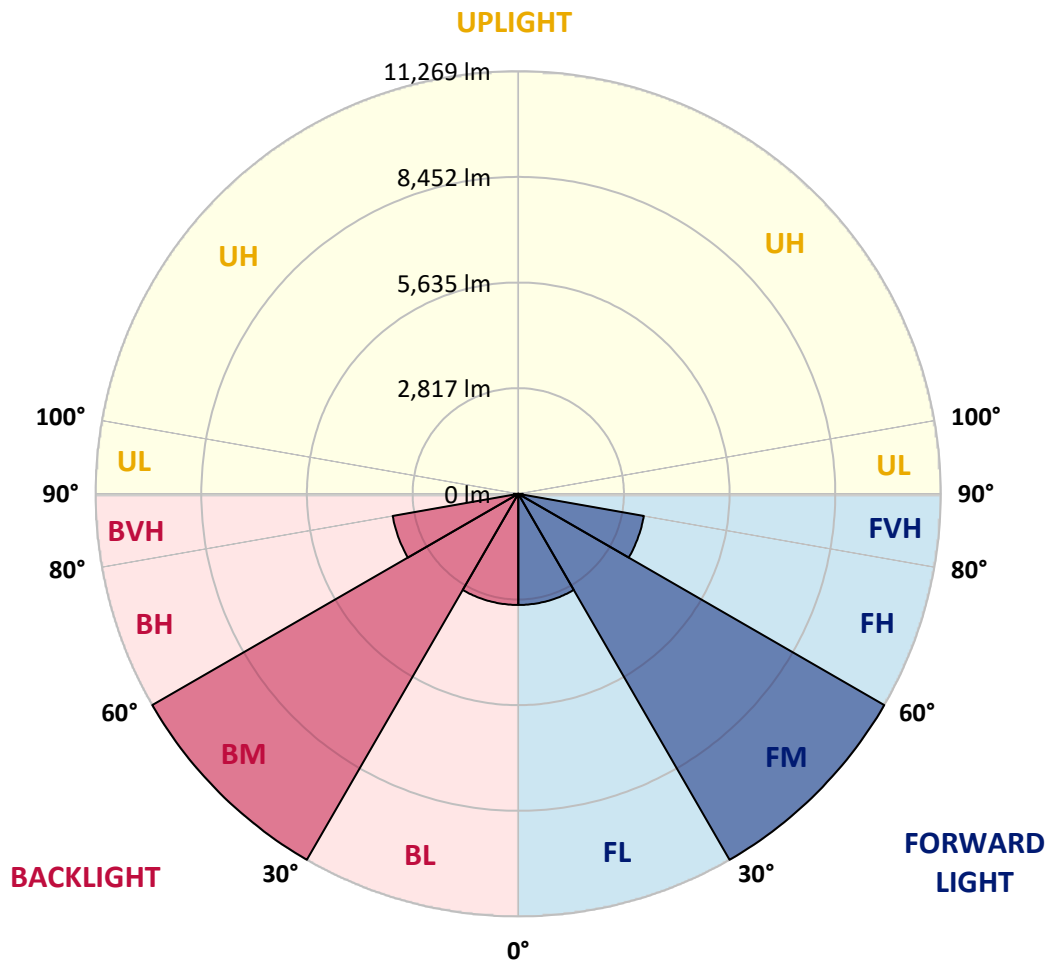
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2962.6	8.3			
FM (30°-60°)	11269.3	31.7			
FH (60°-80°)	3400.5	9.6			G2/5000
FVH (80°-90°)	118.2	0.3			G2/225
BL (0°-30°)	2962.6	8.3	B4/5000		
BM (30°-60°)	11269.3	31.7	B5		
BH (60°-80°)	3400.5	9.6	B4/5000		G2/5000
BVH (80°-90°)	118.2	0.3			G2/225
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°	6857.1	6857.1	6857.1	6857.1	6857.1	6857.1	6857.1	6857.1	6857.1	6857.1	6857.1
2.5°	6816.1	6866.2	6829.8	6861.6	6857.1	6843.4	6820.7	6807.0	6788.8	6816.1	6770.6
5°	6788.8	6829.8	6870.7	6816.1	6816.1	6788.8	6775.2	6747.9	6747.9	6743.3	6738.8
7.5°	6834.3	6793.4	6775.2	6784.3	6793.4	6734.2	6775.2	6720.6	6675.1	6706.9	6743.3
10°	6793.4	6811.6	6743.3	6775.2	6725.1	6734.2	6706.9	6743.3	6693.3	6693.3	6693.3
12.5°	6834.3	6784.3	6807.0	6784.3	6770.6	6693.3	6729.7	6688.7	6684.2	6729.7	6688.7
15°	6916.2	6834.3	6816.1	6770.6	6784.3	6784.3	6747.9	6752.4	6702.4	6729.7	6738.8
17.5°	6888.9	6843.4	6829.8	6775.2	6820.7	6834.3	6766.1	6720.6	6752.4	6747.9	6743.3
20°	6911.7	6929.9	6916.2	6925.3	6943.5	6907.1	6843.4	6779.7	6738.8	6797.9	6793.4
22.5°	7057.3	7039.1	7030.0	7020.9	7052.8	7089.2	7002.7	6902.6	6902.6	6943.5	6961.7
25°	7175.6	7171.1	7166.5	7207.5	7316.7	7316.7	7207.5	7080.1	7048.2	7075.5	7052.8
27.5°	7348.5	7398.6	7380.4	7453.2	7612.4	7648.8	7503.2	7353.1	7266.6	7234.8	7275.7
30°	7744.4	7685.2	7698.9	7776.2	7917.3	8035.6	7812.6	7653.4	7535.1	7530.5	7548.7
32.5°	8008.3	8053.8	8094.7	8167.5	8390.5	8481.5	8213.0	7953.7	7880.9	7839.9	7853.6
35°	8536.1	8495.2	8486.1	8558.9	8781.8	8932.0	8595.3	8367.7	8272.2	8363.2	8363.2
37.5°	9036.6	8922.9	8836.4	8932.0	9136.7	9154.9	8868.3	8745.4	8695.4	8800.0	8795.5
40°	9273.2	9264.1	9063.9	9118.5	9391.5	9418.8	9150.4	9004.8	8995.7	9132.2	9268.7
42.5°	9518.9	9432.5	9232.3	9268.7	9437.0	9446.1	9191.3	9150.4	9250.5	9382.4	9391.5
45°	9559.9	9487.1	9359.7	9268.7	9391.5	9418.8	9268.7	9296.0	9305.1	9464.3	9464.3
47.5°	9641.8	9632.7	9559.9	9491.6	9514.4	9491.6	9396.1	9437.0	9573.5	9650.9	9614.5
50°	9869.3	9773.7	9846.6	9787.4	9792.0	9855.7	9769.2	9810.2	9782.9	9714.6	9669.1
52.5°	10369.8	10324.3	10388.0	10429.0	10474.5	10620.1	10520.0	10301.6	10096.8	9914.8	9910.3
55°	11102.4	11134.2	11257.1	11466.4	11643.9	11875.9	11393.6	10870.3	10542.7	10256.1	10274.3
57.5°	11794.0	11771.3	11939.6	12417.4	12936.1	13054.4	12108.0	11361.8	10829.4	10647.4	10570.0
59°	11238.9	11348.1	11730.3	12262.7	13077.2	13250.1	12012.4	10961.3	10397.1	10028.6	10092.3
60°	10365.3	10406.2	10747.5	11489.2	12590.3	12886.1	11370.9	10342.5	9591.7	9377.9	9473.4
62.5°	7325.8	7293.9	7539.6	8144.8	9132.2	9532.6	8454.2	7730.7	7257.5	7020.9	7075.5
65°	3894.9	4040.5	4140.6	4518.3	5041.6	5464.7	5018.8	4704.9	4441.0	4245.3	4240.8
67.5°	2630.0	2611.8	2634.5	2721.0	2898.5	3016.8	3007.7	2848.4	2825.7	2789.2	2830.2
70°	2215.9	2206.8	2165.9	2165.9	2202.3	2229.6	2261.4	2279.6	2316.0	2361.5	2357.0
72.5°	1797.3	1774.6	1747.3	1733.6	1779.1	1792.8	1833.7	1851.9	1883.8	1879.2	1920.2
75°	1187.6	1187.6	1219.4	1255.8	1269.5	1296.8	1301.3	1355.9	1355.9	1365.0	1328.6
77.5°	664.3	646.1	668.9	705.3	737.1	787.2	837.2	878.2	900.9	891.8	891.8
80°	386.8	386.8	409.5	450.5	491.4	536.9	573.3	605.2	627.9	618.8	600.6
82.5°	241.2	241.2	263.9	304.9	336.7	364.0	414.1	455.0	482.3	473.2	450.5
85°	122.9	122.9	150.2	177.5	218.4	236.6	232.1	213.9	209.3	186.6	186.6
87.5°	31.9	31.9	45.5	50.1	41.0	45.5	45.5	45.5	45.5	45.5	50.1
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)