

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: P531918

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531918
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-SA7B-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 30622 lumens
Efficiency: N/A
Efficacy: 107.1 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

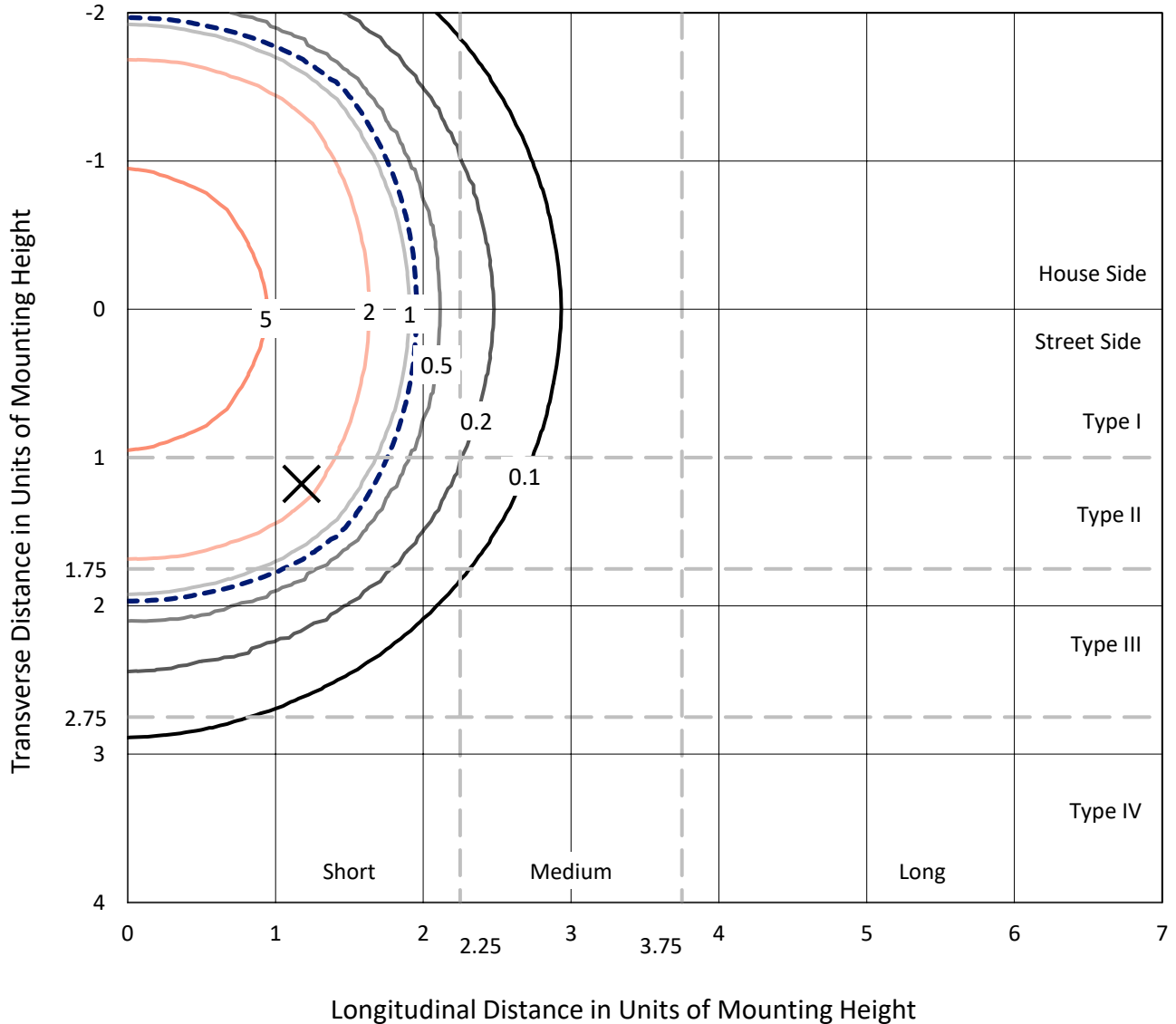




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Iso-Footcandle Lines of Horizontal Illumination

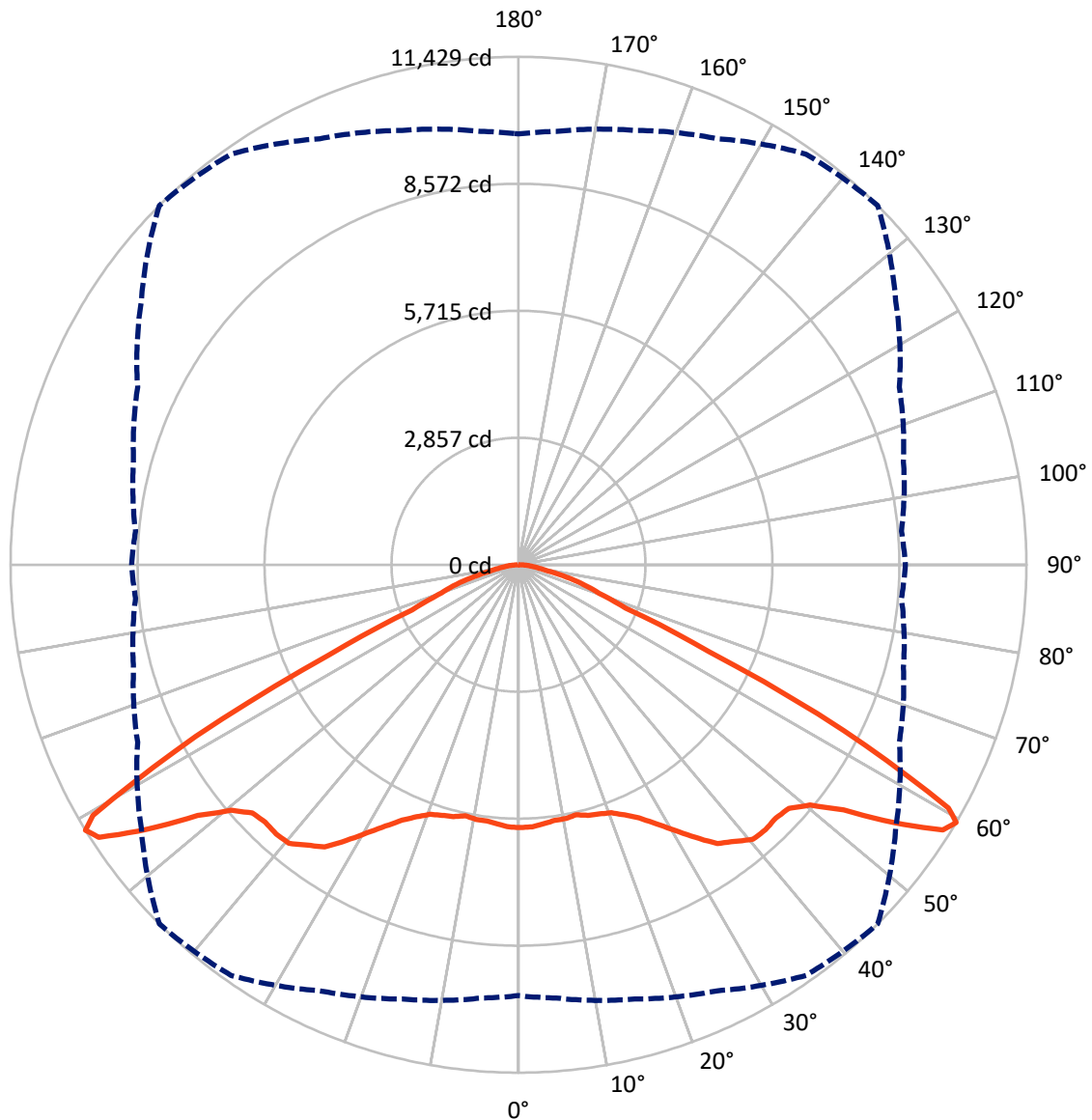
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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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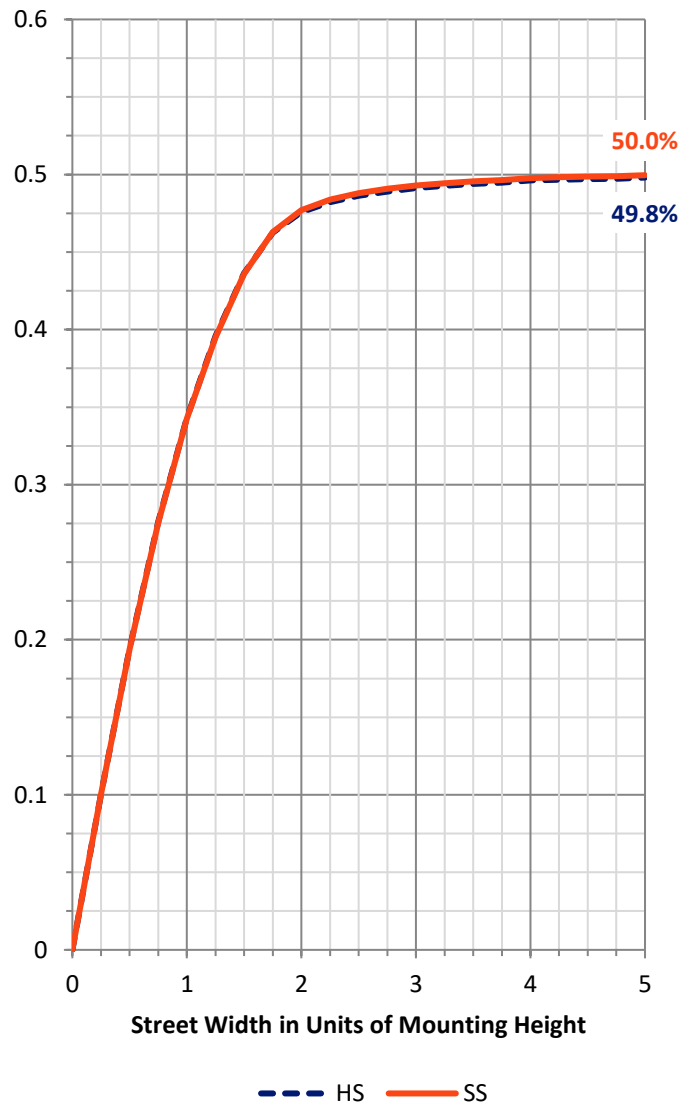
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15311.0	0.0	15311.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15311.0	0.0	15311.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30622.0	0.0	30622.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.6	1.8
10°-20°	1658.1	5.4
20°-30°	2895.2	9.5
30°-40°	4624.1	15.1
40°-50°	6299.0	20.6
50°-60°	8517.9	27.8
60°-70°	4671.2	15.3
70°-80°	1195.0	3.9
80°-90°	203.8	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°	30622.0	100.0
0°-180°	30622.0	100.0

Coefficient of Utilization

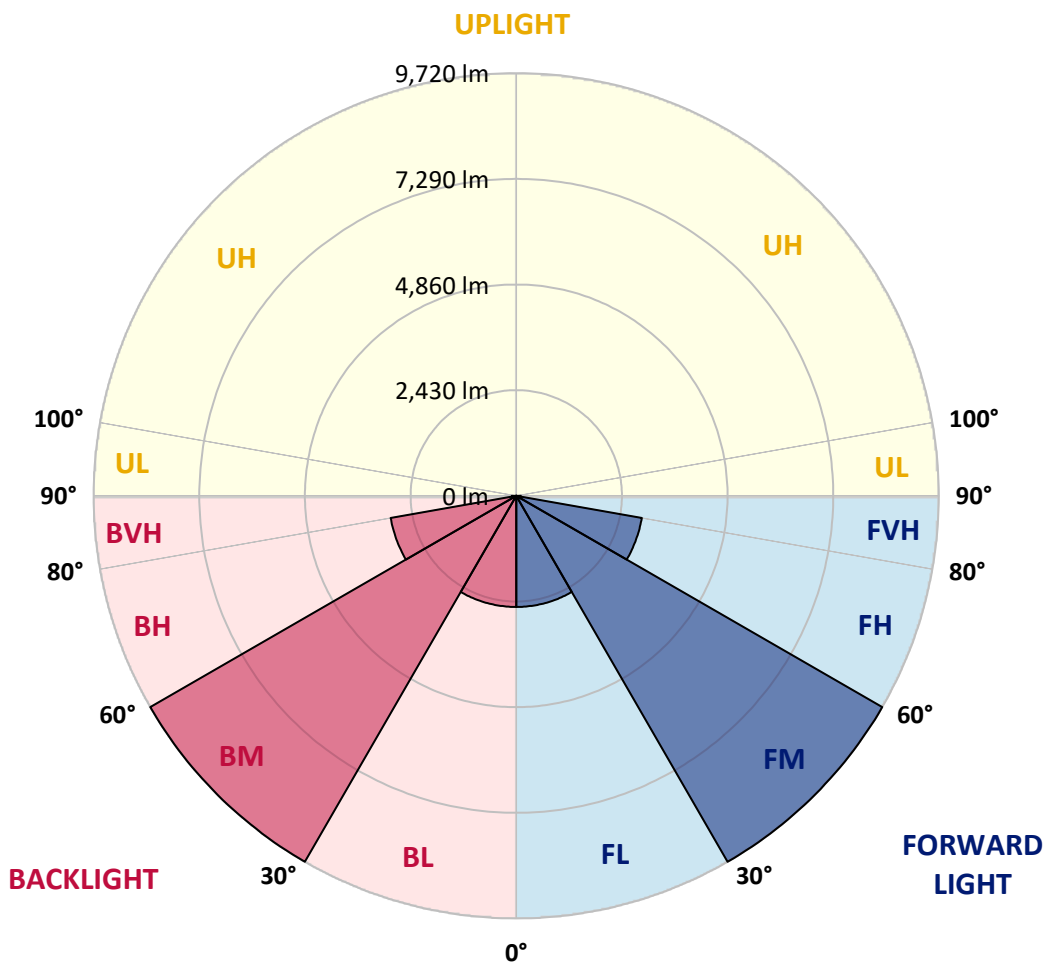


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2555.5	8.3			
FM (30°-60°)	9720.5	31.7			
FH (60°-80°)	2933.1	9.6			G2/5000
FVH (80°-90°)	101.9	0.3			G2/225
BL (0°-30°)	2555.5	8.3	B4/5000		
BM (30°-60°)	9720.5	31.7	B5		
BH (60°-80°)	2933.1	9.6	B4/5000		G2/5000
BVH (80°-90°)	101.9	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°	5914.7	5914.7	5914.7	5914.7	5914.7	5914.7	5914.7	5914.7	5914.7	5914.7	5914.7
2.5°	5879.4	5922.6	5891.2	5918.6	5914.7	5902.9	5883.3	5871.5	5855.8	5879.4	5840.1
5°	5855.8	5891.2	5926.5	5879.4	5879.4	5855.8	5844.1	5820.5	5820.5	5816.6	5812.7
7.5°	5895.1	5859.8	5844.1	5851.9	5859.8	5808.7	5844.1	5797.0	5757.7	5785.2	5816.6
10°	5859.8	5875.5	5816.6	5844.1	5800.9	5808.7	5785.2	5816.6	5773.4	5773.4	5773.4
12.5°	5895.1	5851.9	5871.5	5851.9	5840.1	5773.4	5804.8	5769.5	5765.6	5804.8	5769.5
15°	5965.7	5895.1	5879.4	5840.1	5851.9	5851.9	5820.5	5824.4	5781.3	5804.8	5812.7
17.5°	5942.2	5902.9	5891.2	5844.1	5883.3	5895.1	5836.2	5797.0	5824.4	5820.5	5816.6
20°	5961.8	5977.5	5965.7	5973.6	5989.3	5957.9	5902.9	5848.0	5812.7	5863.7	5859.8
22.5°	6087.4	6071.7	6063.8	6056.0	6083.5	6114.9	6040.3	5954.0	5954.0	5989.3	6005.0
25°	6189.4	6185.5	6181.6	6216.9	6311.1	6311.1	6216.9	6107.0	6079.5	6103.1	6083.5
27.5°	6338.6	6381.8	6366.1	6428.9	6566.2	6597.6	6472.0	6342.5	6267.9	6240.5	6275.8
30°	6680.0	6629.0	6640.8	6707.5	6829.2	6931.2	6738.9	6601.5	6499.5	6495.6	6511.3
32.5°	6907.7	6946.9	6982.3	7045.1	7237.4	7315.9	7084.3	6860.6	6797.8	6762.5	6774.2
35°	7363.0	7327.6	7319.8	7382.6	7574.9	7704.4	7414.0	7217.7	7135.3	7213.8	7213.8
37.5°	7794.7	7696.6	7622.0	7704.4	7881.0	7896.7	7649.5	7543.5	7500.3	7590.6	7586.7
40°	7998.8	7990.9	7818.2	7865.3	8100.8	8124.4	7892.8	7767.2	7759.4	7877.1	7994.9
42.5°	8210.7	8136.2	7963.5	7994.9	8140.1	8147.9	7928.1	7892.8	7979.2	8093.0	8100.8
45°	8246.0	8183.3	8073.4	7994.9	8100.8	8124.4	7994.9	8018.4	8026.3	8163.6	8163.6
47.5°	8316.7	8308.8	8246.0	8187.2	8206.8	8187.2	8104.8	8140.1	8257.8	8324.5	8293.1
50°	8512.9	8430.5	8493.3	8442.3	8446.2	8501.2	8426.6	8461.9	8438.4	8379.5	8340.2
52.5°	8944.7	8905.4	8960.4	8995.7	9034.9	9160.5	9074.2	8885.8	8709.2	8552.2	8548.3
55°	9576.6	9604.0	9710.0	9890.6	10043.6	10243.8	9827.8	9376.4	9093.8	8846.5	8862.2
57.5°	10173.1	10153.5	10298.7	10710.8	11158.3	11260.3	10443.9	9800.3	9341.1	9184.1	9117.4
59°	9694.3	9788.5	10118.2	10577.4	11279.9	11429.1	10361.5	9454.9	8968.2	8650.3	8705.3
60°	8940.7	8976.1	9270.4	9910.2	10860.0	11115.1	9808.1	8921.1	8273.5	8089.1	8171.5
62.5°	6319.0	6291.5	6503.4	7025.4	7877.1	8222.5	7292.3	6668.3	6260.1	6056.0	6103.1
65°	3359.6	3485.2	3571.6	3897.3	4348.7	4713.7	4329.1	4058.3	3830.6	3661.9	3657.9
67.5°	2268.5	2252.8	2272.5	2347.0	2500.1	2602.2	2594.3	2456.9	2437.3	2405.9	2441.2
70°	1911.4	1903.5	1868.2	1868.2	1899.6	1923.2	1950.6	1966.3	1997.7	2037.0	2033.1
72.5°	1550.3	1530.7	1507.1	1495.4	1534.6	1546.4	1581.7	1597.4	1624.9	1621.0	1656.3
75°	1024.4	1024.4	1051.9	1083.3	1095.0	1118.6	1122.5	1169.6	1169.6	1177.4	1146.0
77.5°	573.0	557.3	576.9	608.3	635.8	679.0	722.2	757.5	777.1	769.3	769.3
80°	333.6	333.6	353.2	388.6	423.9	463.1	494.5	522.0	541.6	533.8	518.1
82.5°	208.0	208.0	227.6	263.0	290.4	314.0	357.2	392.5	416.0	408.2	388.6
85°	106.0	106.0	129.5	153.1	188.4	204.1	200.2	184.5	180.5	160.9	160.9
87.5°	27.5	27.5	39.2	43.2	35.3	39.2	39.2	39.2	39.2	39.2	43.2
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)