

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: P530982

Luminaire Tested: **GALN-SA6B-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530982
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-SA6B-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 26070 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 243
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

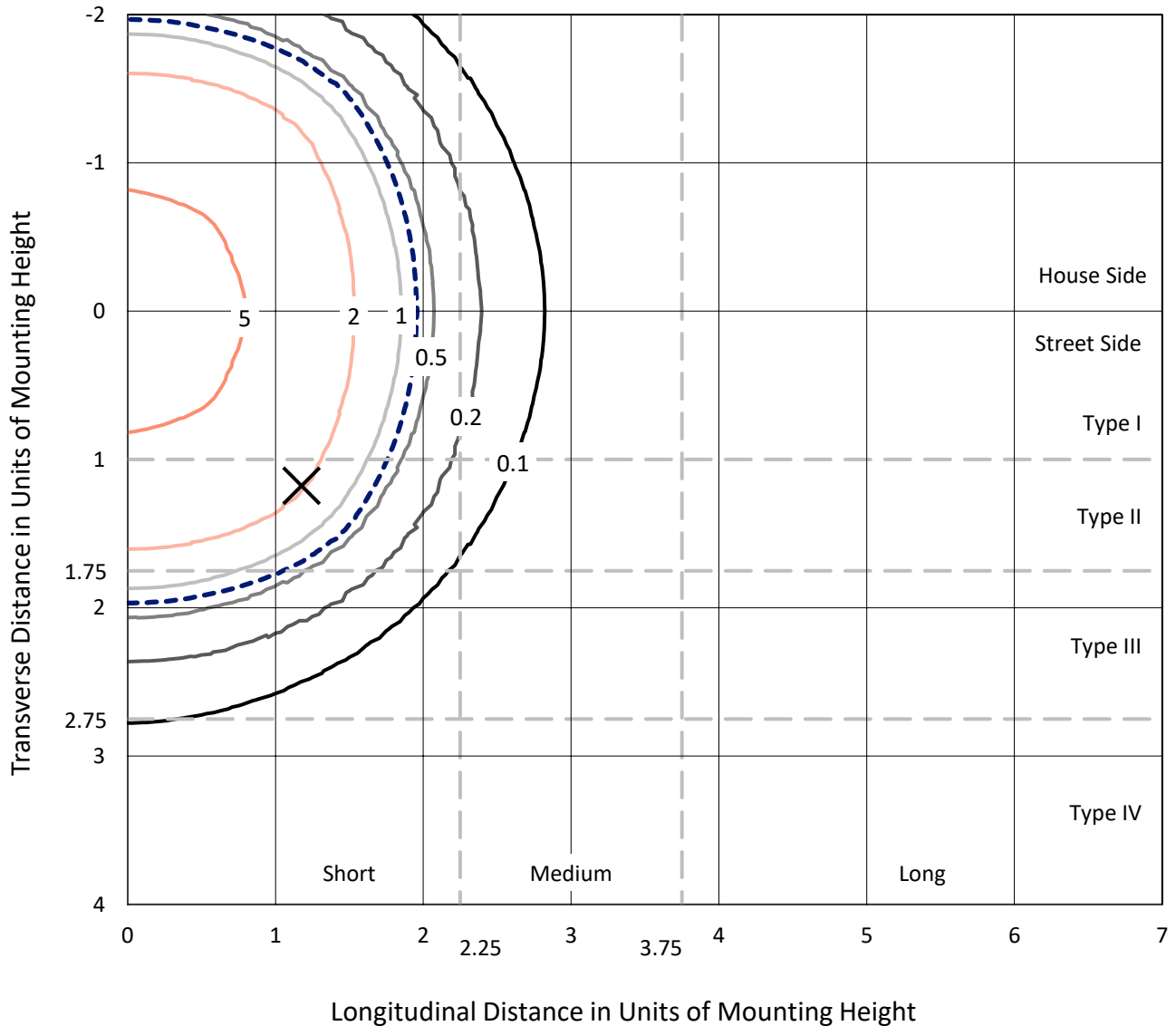




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Iso-Footcandle Lines of Horizontal Illumination

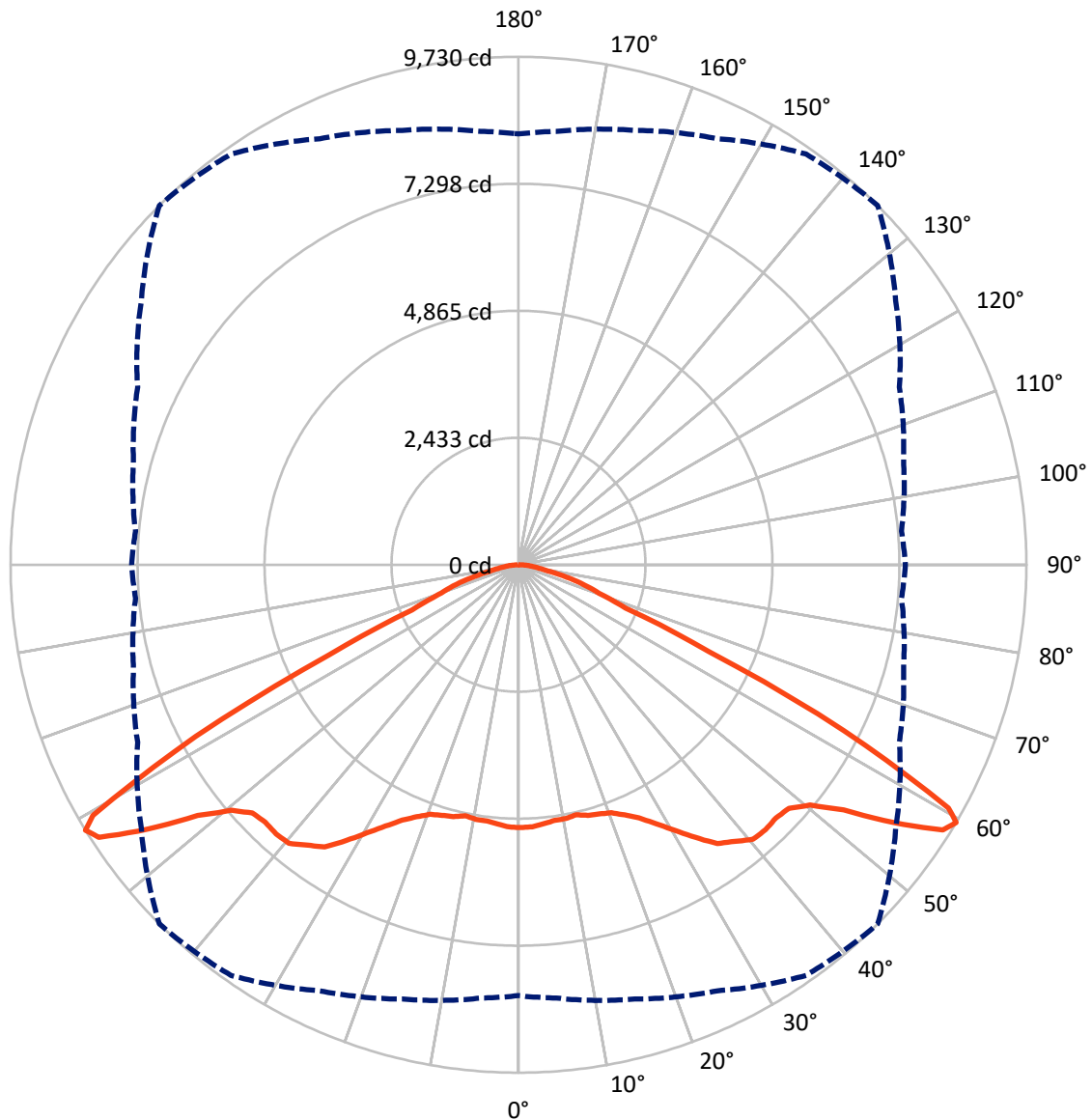
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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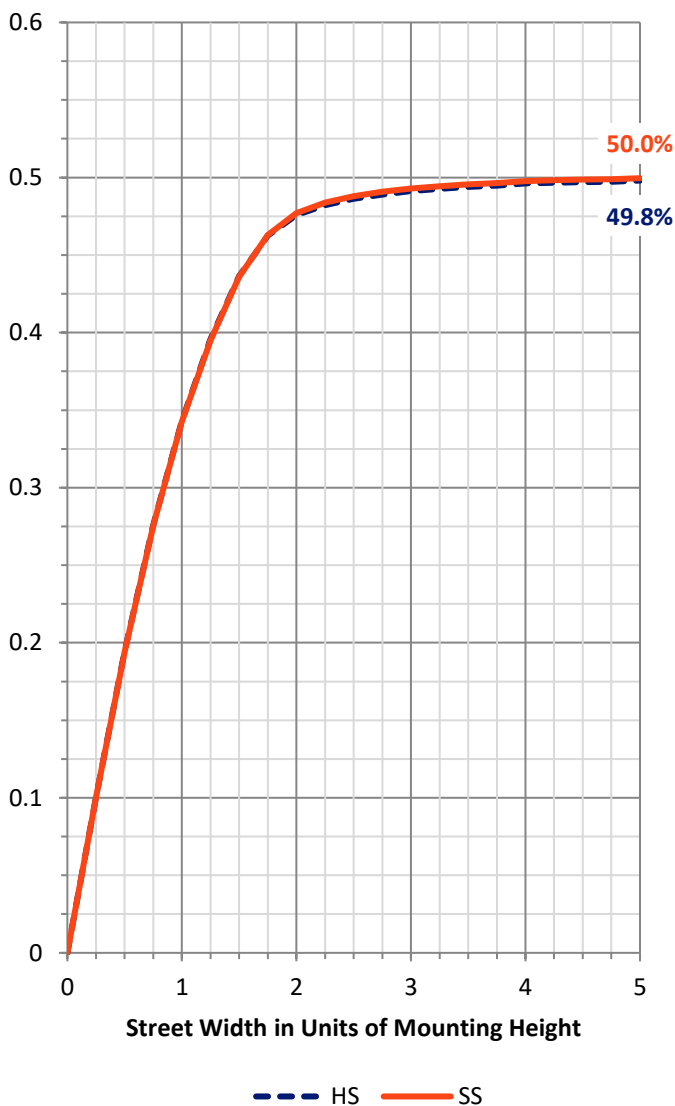
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13035.0	0.0	13035.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13035.0	0.0	13035.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26070.0	0.0	26070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.7	1.8
10°-20°	1411.6	5.4
20°-30°	2464.9	9.5
30°-40°	3936.7	15.1
40°-50°	5362.6	20.6
50°-60°	7251.7	27.8
60°-70°	3976.9	15.3
70°-80°	1017.4	3.9
80°-90°	173.5	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°	26070.0	100.0
0°-180°	26070.0	100.0

Coefficient of Utilization



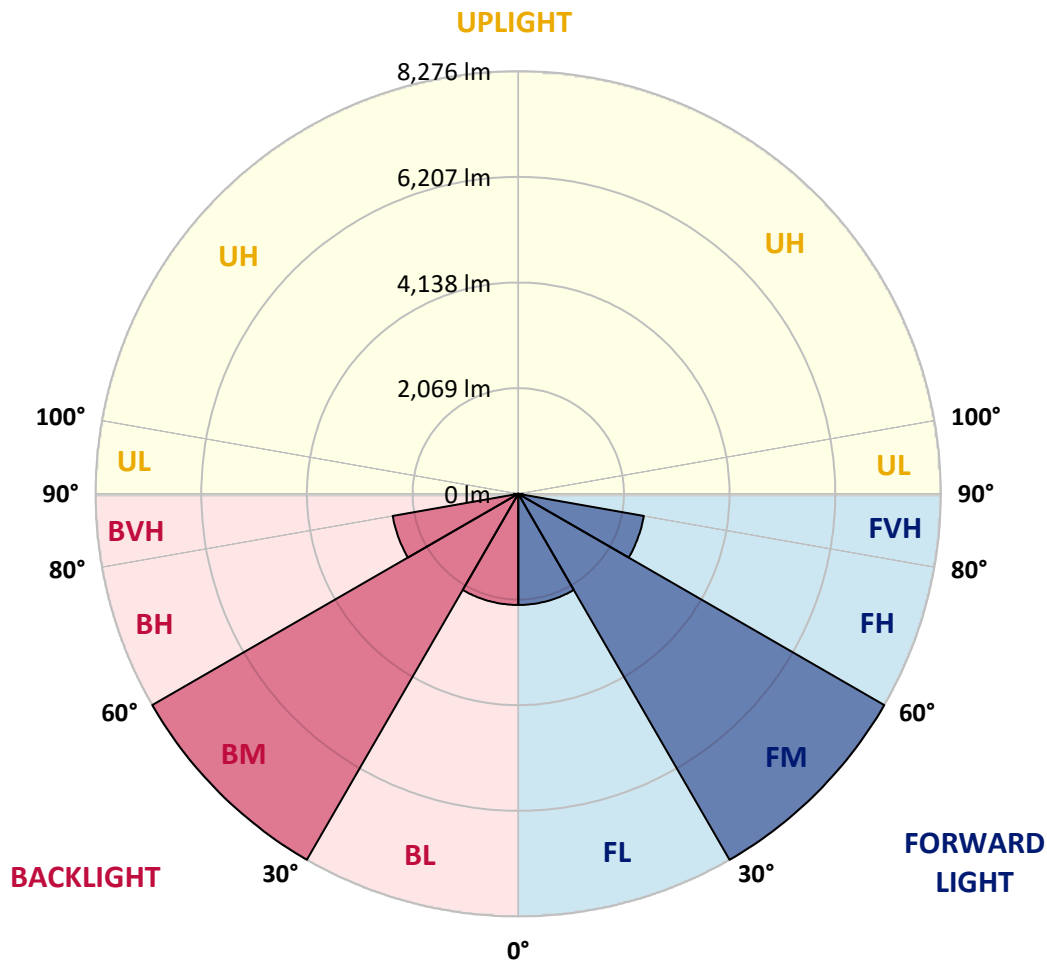
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2175.6	8.3			
FM (30°-60°)	8275.5	31.7			
FH (60°-80°)	2497.1	9.6			G2/5000
FVH (80°-90°)	86.8	0.3			G1/100
BL (0°-30°)	2175.6	8.3	B3/2500		
BM (30°-60°)	8275.5	31.7	B4/8500		
BH (60°-80°)	2497.1	9.6	B3/2500		G2/5000
BVH (80°-90°)	86.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5035.5	5035.5	5035.5	5035.5	5035.5	5035.5	5035.5	5035.5	5035.5	5035.5	5035.5
2.5°	5005.4	5042.2	5015.4	5038.8	5035.5	5025.5	5008.7	4998.7	4985.4	5005.4	4972.0
5°	4985.4	5015.4	5045.5	5005.4	5005.4	4985.4	4975.3	4955.3	4955.3	4951.9	4948.6
7.5°	5018.8	4988.7	4975.3	4982.0	4988.7	4945.3	4975.3	4935.2	4901.8	4925.2	4951.9
10°	4988.7	5002.1	4951.9	4975.3	4938.6	4945.3	4925.2	4951.9	4915.2	4915.2	4915.2
12.5°	5018.8	4982.0	4998.7	4982.0	4972.0	4915.2	4941.9	4911.8	4908.5	4941.9	4911.8
15°	5078.9	5018.8	5005.4	4972.0	4982.0	4982.0	4955.3	4958.6	4921.9	4941.9	4948.6
17.5°	5058.9	5025.5	5015.4	4975.3	5008.7	5018.8	4968.6	4935.2	4958.6	4955.3	4951.9
20°	5075.6	5088.9	5078.9	5085.6	5099.0	5072.2	5025.5	4978.7	4948.6	4992.0	4988.7
22.5°	5182.5	5169.1	5162.5	5155.8	5179.2	5205.9	5142.4	5068.9	5068.9	5099.0	5112.3
25°	5269.4	5266.0	5262.7	5292.8	5373.0	5373.0	5292.8	5199.2	5175.8	5195.9	5179.2
27.5°	5396.3	5433.1	5419.7	5473.2	5590.1	5616.9	5510.0	5399.7	5336.2	5312.8	5342.9
30°	5687.0	5643.6	5653.6	5710.4	5814.0	5900.9	5737.2	5620.2	5533.3	5530.0	5543.4
32.5°	5880.8	5914.3	5944.3	5997.8	6161.5	6228.4	6031.2	5840.8	5787.3	5757.2	5767.2
35°	6268.5	6238.4	6231.7	6285.2	6448.9	6559.2	6311.9	6144.8	6074.7	6141.5	6141.5
37.5°	6636.0	6552.5	6489.0	6559.2	6709.5	6722.9	6512.4	6422.2	6385.4	6462.3	6458.9
40°	6809.8	6803.1	6656.1	6696.1	6896.6	6916.7	6719.5	6612.6	6605.9	6706.2	6806.4
42.5°	6990.2	6926.7	6779.7	6806.4	6930.0	6936.7	6749.6	6719.5	6793.0	6889.9	6896.6
45°	7020.3	6966.8	6873.2	6806.4	6896.6	6916.7	6806.4	6826.5	6833.1	6950.1	6950.1
47.5°	7080.4	7073.7	7020.3	6970.1	6986.9	6970.1	6900.0	6930.0	7030.3	7087.1	7060.4
50°	7247.5	7177.3	7230.8	7187.3	7190.7	7237.5	7174.0	7204.0	7184.0	7133.9	7100.5
52.5°	7615.0	7581.6	7628.4	7658.5	7691.9	7798.8	7725.3	7564.9	7414.5	7280.9	7277.6
55°	8153.0	8176.4	8266.6	8420.3	8550.6	8721.0	8366.8	7982.6	7742.0	7531.5	7544.9
57.5°	8660.9	8644.2	8767.8	9118.7	9499.6	9586.5	8891.4	8343.5	7952.5	7818.9	7762.1
59°	8253.2	8333.4	8614.1	9005.1	9603.2	9730.1	8821.3	8049.4	7635.1	7364.4	7411.2
60°	7611.7	7641.8	7892.4	8437.0	9245.6	9462.8	8350.1	7595.0	7043.7	6886.6	6956.8
62.5°	5379.6	5356.3	5536.7	5981.1	6706.2	7000.2	6208.3	5677.0	5329.5	5155.8	5195.9
65°	2860.2	2967.2	3040.7	3318.0	3702.3	4013.0	3685.6	3455.0	3261.2	3117.5	3114.2
67.5°	1931.3	1918.0	1934.7	1998.2	2128.5	2215.3	2208.7	2091.7	2075.0	2048.3	2078.3
70°	1627.3	1620.6	1590.5	1590.5	1617.2	1637.3	1660.7	1674.0	1700.8	1734.2	1730.8
72.5°	1319.8	1303.1	1283.1	1273.1	1306.5	1316.5	1346.6	1359.9	1383.3	1380.0	1410.1
75°	872.1	872.1	895.5	922.2	932.2	952.3	955.6	995.7	995.7	1002.4	975.7
77.5°	487.8	474.5	491.2	517.9	541.3	578.1	614.8	644.9	661.6	654.9	654.9
80°	284.0	284.0	300.7	330.8	360.9	394.3	421.0	444.4	461.1	454.4	441.1
82.5°	177.1	177.1	193.8	223.9	247.3	267.3	304.1	334.1	354.2	347.5	330.8
85°	90.2	90.2	110.3	130.3	160.4	173.8	170.4	157.0	153.7	137.0	137.0
87.5°	23.4	23.4	33.4	36.8	30.1	33.4	33.4	33.4	33.4	33.4	36.8
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)