

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: P530050

Luminaire Tested: **GALN-SA5B-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22740 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

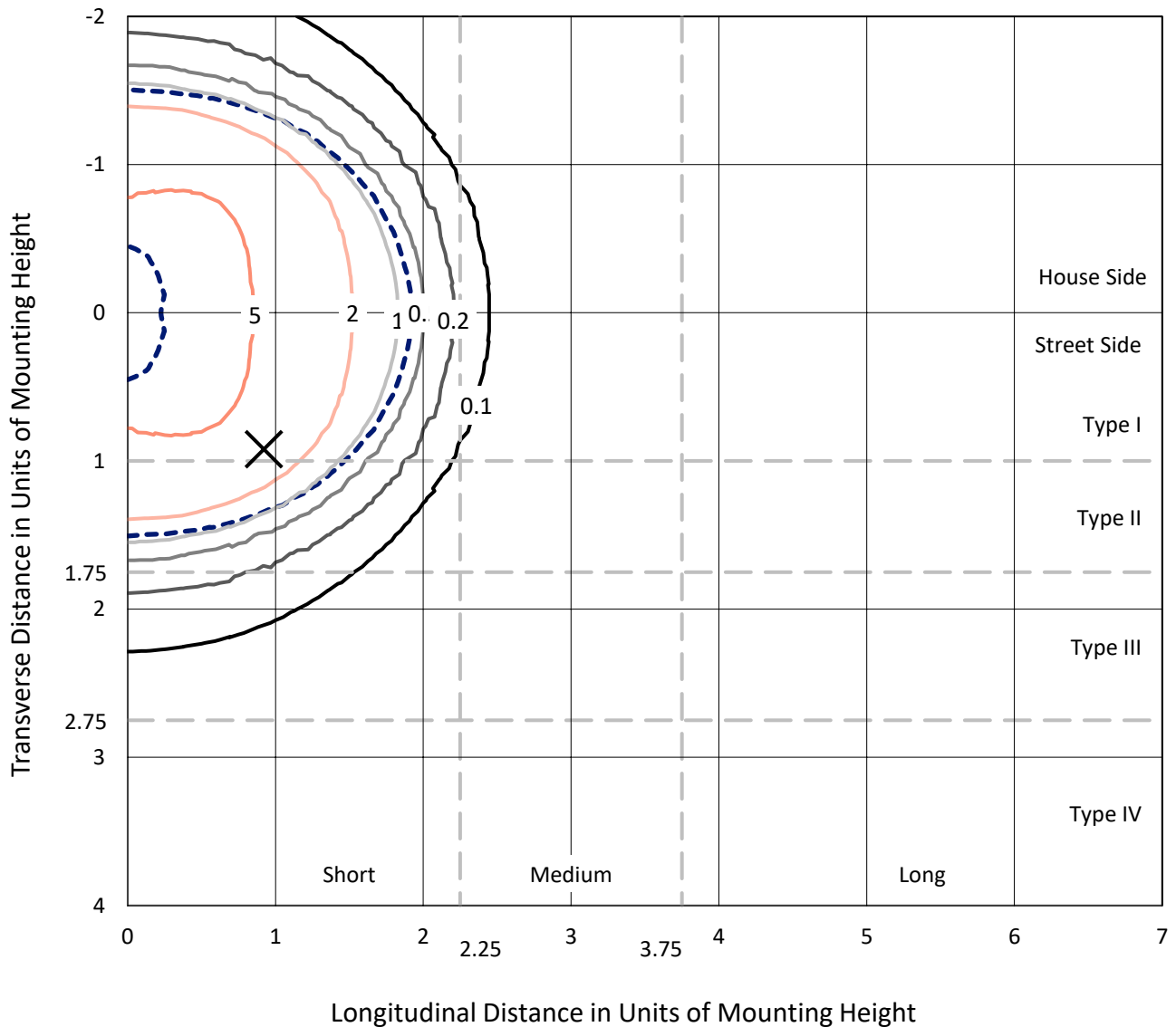
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

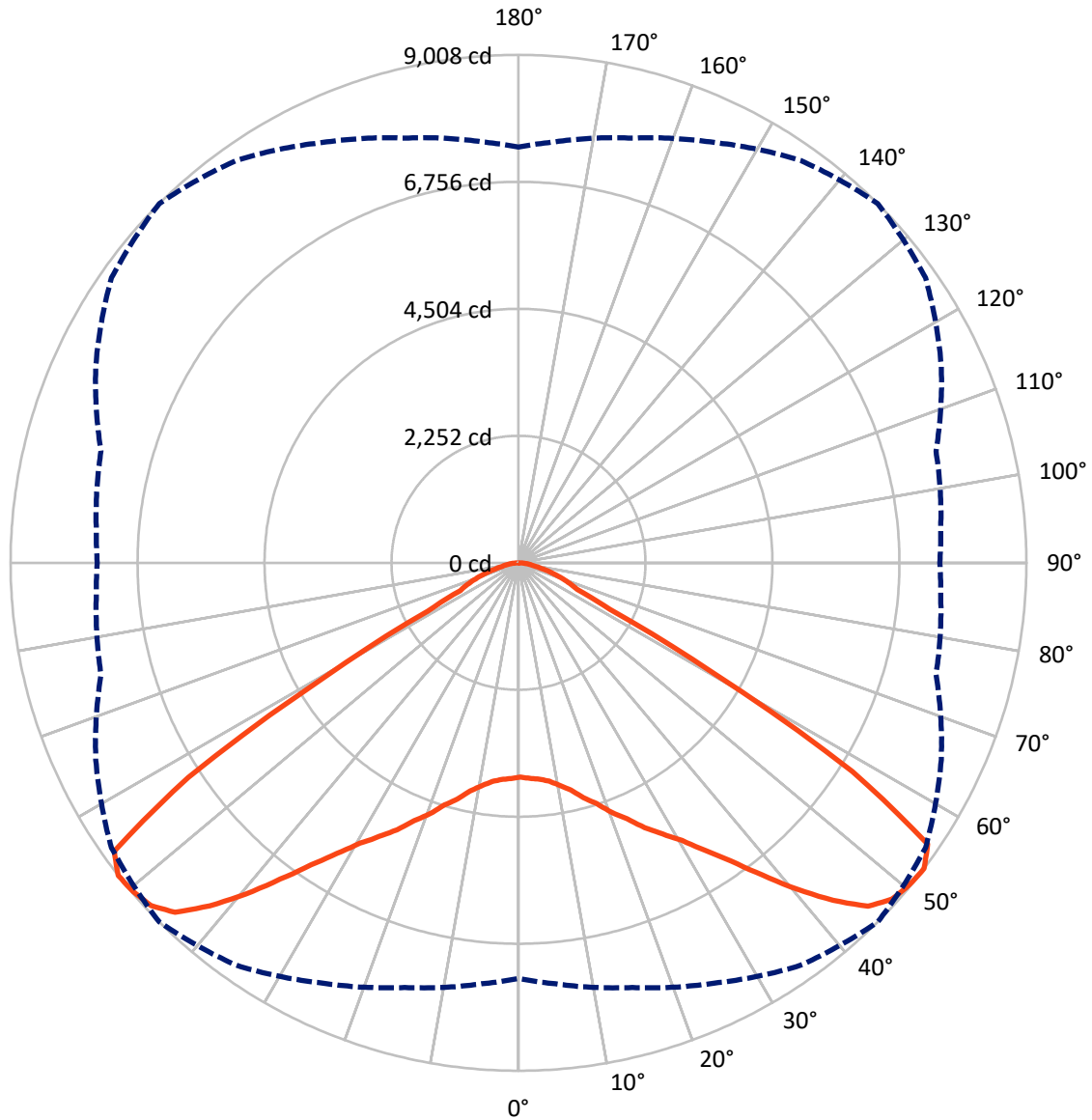
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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CATALOG NUMBER: GALN-SA5B-730-U-RW-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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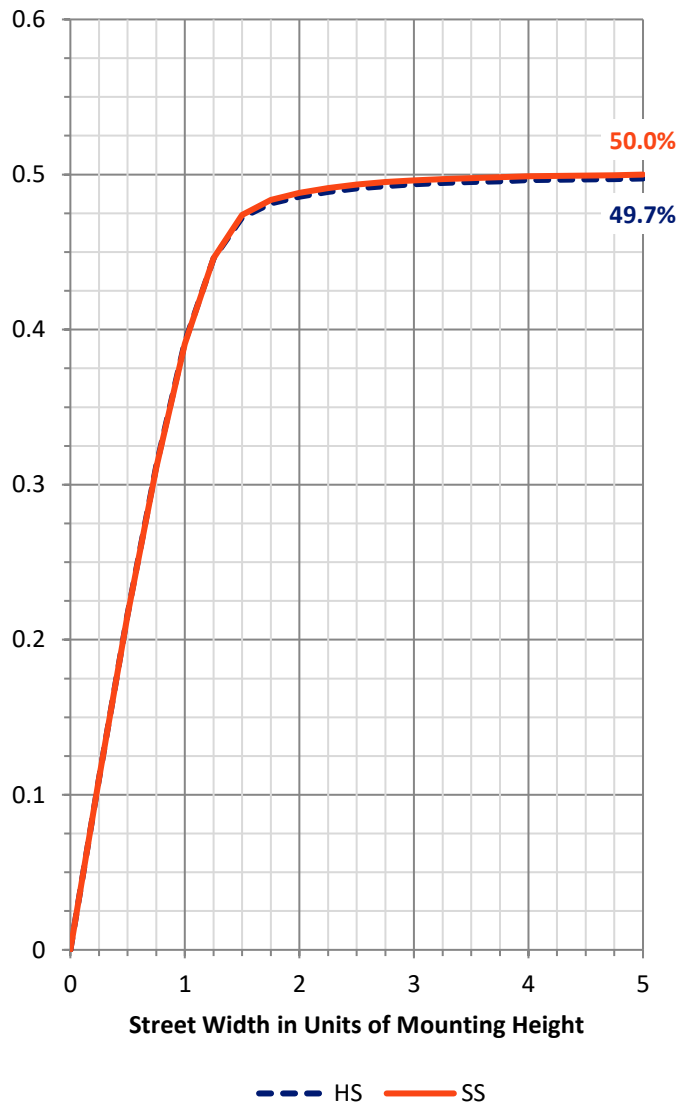
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11370.0	0.0	11370.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11370.0	0.0	11370.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22740.0	0.0	22740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.5	1.6
10°-20°	1227.2	5.4
20°-30°	2336.4	10.3
30°-40°	4011.7	17.6
40°-50°	6166.1	27.1
50°-60°	6261.6	27.5
60°-70°	1745.0	7.7
70°-80°	514.8	2.3
80°-90°	103.7	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°	22740.0	100.0
0°-180°	22740.0	100.0

Coefficient of Utilization

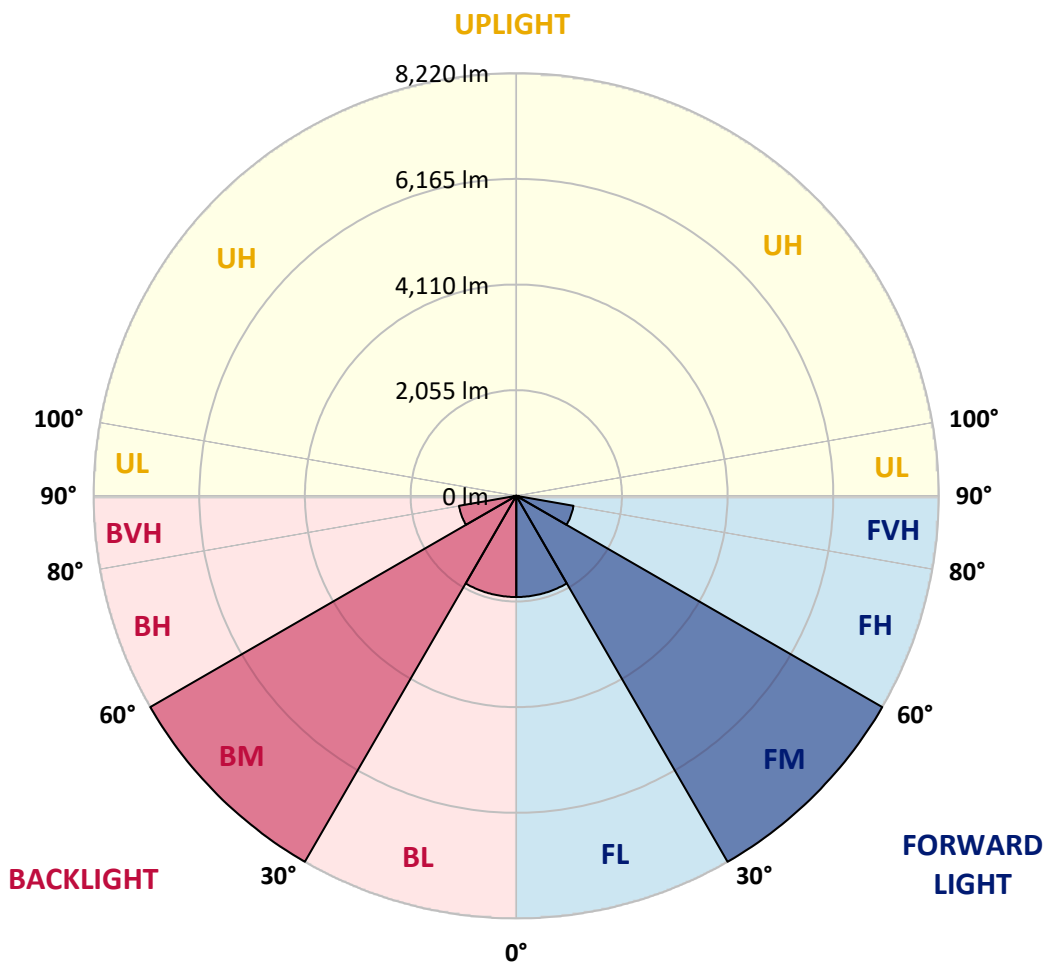


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1968.5	8.7			
FM (30°-60°)	8219.7	36.1			
FH (60°-80°)	1129.9	5.0			G1/1800
FVH (80°-90°)	51.8	0.2			G1/100
BL (0°-30°)	1968.5	8.7	B3/2500		
BM (30°-60°)	8219.7	36.1	B4/8500		
BH (60°-80°)	1129.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	51.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3801.3	3801.3	3801.3	3801.3	3801.3	3801.3	3801.3	3801.3	3801.3	3801.3	3801.3
2.5°	3809.8	3770.2	3784.4	3792.8	3829.5	3826.7	3818.2	3829.5	3840.8	3843.6	3838.0
5°	3806.9	3778.7	3790.0	3798.5	3835.2	3854.9	3849.3	3897.2	3931.1	3922.6	3965.0
7.5°	3784.4	3801.3	3787.2	3829.5	3860.6	3908.5	3959.3	4004.5	4046.8	4094.8	4103.2
10°	3835.2	3835.2	3860.6	3894.4	3976.3	4012.9	4086.3	4151.2	4233.1	4289.5	4266.9
12.5°	3888.8	3897.2	3897.2	3984.7	4052.5	4134.3	4202.0	4289.5	4405.2	4472.9	4506.8
15°	3942.4	3948.0	3976.3	4094.8	4196.4	4326.2	4388.3	4467.3	4532.2	4659.2	4662.0
17.5°	3990.4	4021.4	4106.1	4238.7	4365.7	4489.9	4588.6	4670.5	4726.9	4777.7	4766.4
20°	4171.0	4193.6	4281.0	4413.7	4602.8	4724.1	4758.0	4772.1	4808.8	4910.4	4879.3
22.5°	4345.9	4354.4	4436.3	4639.4	4772.1	4932.9	4969.6	4961.1	4975.3	5000.7	5045.8
25°	4526.6	4540.7	4653.5	4825.7	5011.9	5203.8	5234.9	5170.0	5150.2	5178.4	5181.3
27.5°	4758.0	4760.8	4904.7	5054.3	5265.9	5446.5	5494.5	5443.7	5350.6	5373.2	5409.9
30°	5051.5	5031.7	5175.6	5390.1	5613.0	5714.6	5796.5	5771.1	5669.5	5649.7	5618.7
32.5°	5390.1	5395.7	5525.6	5759.8	5906.5	6075.9	6163.3	6121.0	6056.1	6022.2	6042.0
35°	5867.0	5892.4	5979.9	6174.6	6411.7	6496.3	6634.6	6544.3	6375.0	6417.3	6454.0
37.5°	6259.3	6332.7	6496.3	6727.7	6868.9	7024.1	7074.9	6953.5	6829.3	6778.5	6899.9
40°	6860.4	6837.8	7018.4	7249.8	7458.7	7613.9	7549.0	7427.6	7120.0	7122.8	7156.7
42.5°	7376.8	7388.1	7526.4	7802.9	8088.0	8183.9	7977.9	7681.6	7340.1	7303.4	7376.8
45°	7811.4	7856.6	7935.6	8305.3	8584.7	8689.1	8308.1	7958.2	7501.0	7348.6	7469.9
47.5°	7966.6	8040.0	8212.1	8550.8	8827.3	8912.0	8607.2	8104.9	7650.6	7402.2	7467.1
50°	7989.2	7963.8	8246.0	8556.4	8799.1	8982.6	8714.5	8212.1	7613.9	7484.1	7464.3
52.5°	7371.2	7495.3	7797.3	8223.4	8714.5	9008.0	8810.4	8271.4	7664.7	7517.9	7469.9
55°	5965.8	5819.1	6369.3	7086.1	7989.2	8804.8	8776.6	8302.4	7695.7	7574.4	7509.5
57.5°	3330.0	3372.3	3682.8	4461.6	5627.2	6981.7	7802.9	7975.1	7681.6	7611.0	7644.9
60°	1540.8	1554.9	1687.6	2051.6	2774.1	3959.3	5040.2	6137.9	6643.1	6744.7	6744.7
62.5°	1148.6	1142.9	1176.8	1241.7	1394.1	1820.2	2429.8	3301.8	3996.0	4481.4	4608.4
65°	1038.5	1035.7	1052.6	1075.2	1086.5	1145.7	1281.2	1549.3	1775.1	1904.9	1882.3
67.5°	908.7	905.9	911.5	925.6	945.4	976.4	1010.3	1066.7	1145.7	1140.1	1126.0
70°	733.7	733.7	742.2	753.5	776.1	812.7	852.3	891.8	959.5	973.6	970.8
72.5°	541.8	533.4	550.3	572.9	595.5	640.6	682.9	719.6	767.6	781.7	776.1
75°	344.3	349.9	361.2	386.6	426.1	457.2	502.3	533.4	564.4	575.7	578.5
77.5°	191.9	197.5	217.3	248.3	287.8	321.7	361.2	386.6	406.4	409.2	412.0
80°	115.7	118.5	138.3	166.5	200.4	237.1	268.1	293.5	310.4	302.0	299.1
82.5°	70.6	73.4	90.3	115.7	143.9	172.1	206.0	228.6	245.5	234.2	222.9
85°	36.7	39.5	53.6	70.6	93.1	107.2	107.2	95.9	93.1	87.5	84.7
87.5°	11.3	11.3	14.1	16.9	14.1	16.9	19.8	22.6	22.6	25.4	22.6
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)