

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: P530748

Luminaire Tested: **GALN-SA6A-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530748
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-SA6A-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 20952 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

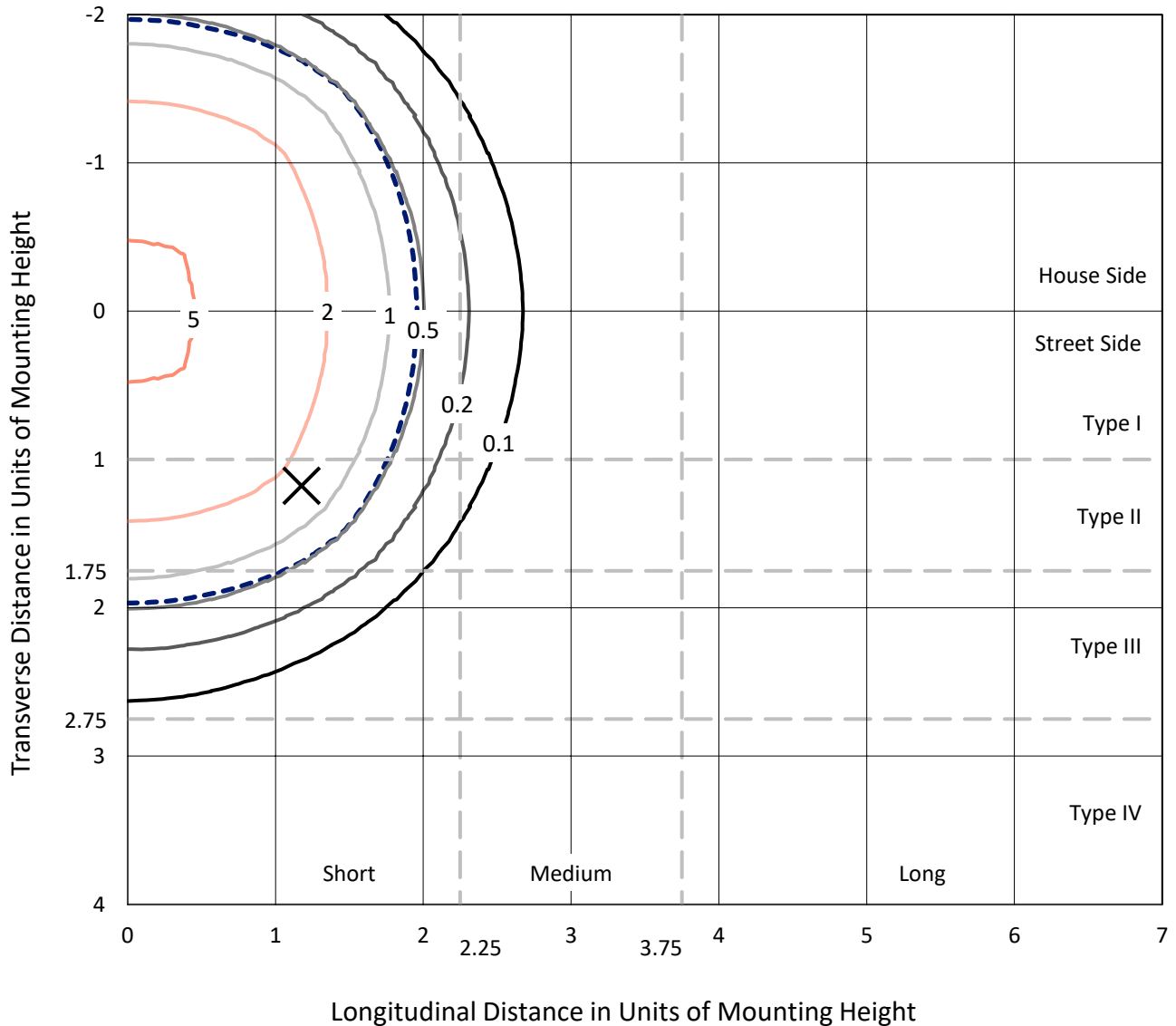
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

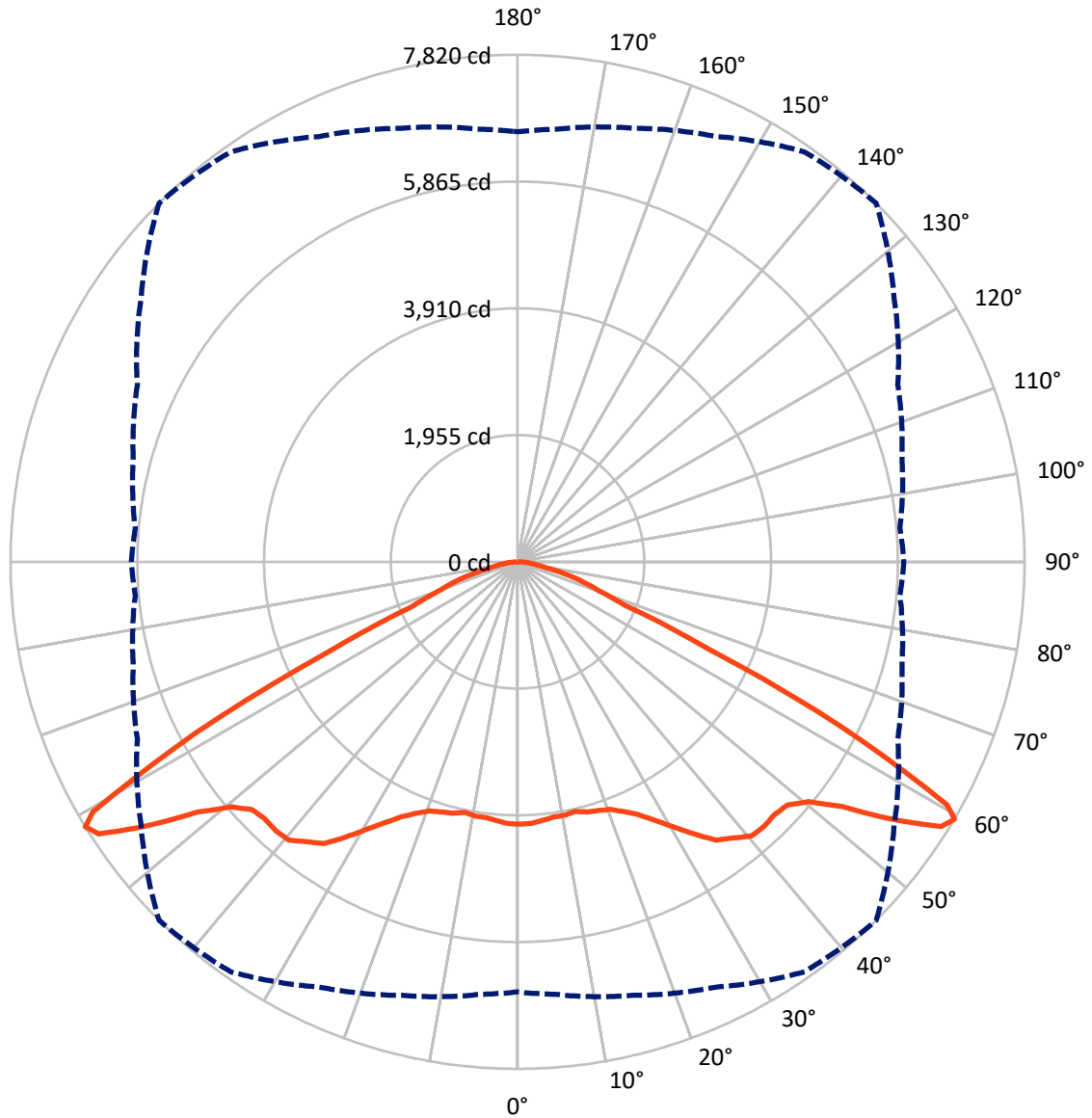
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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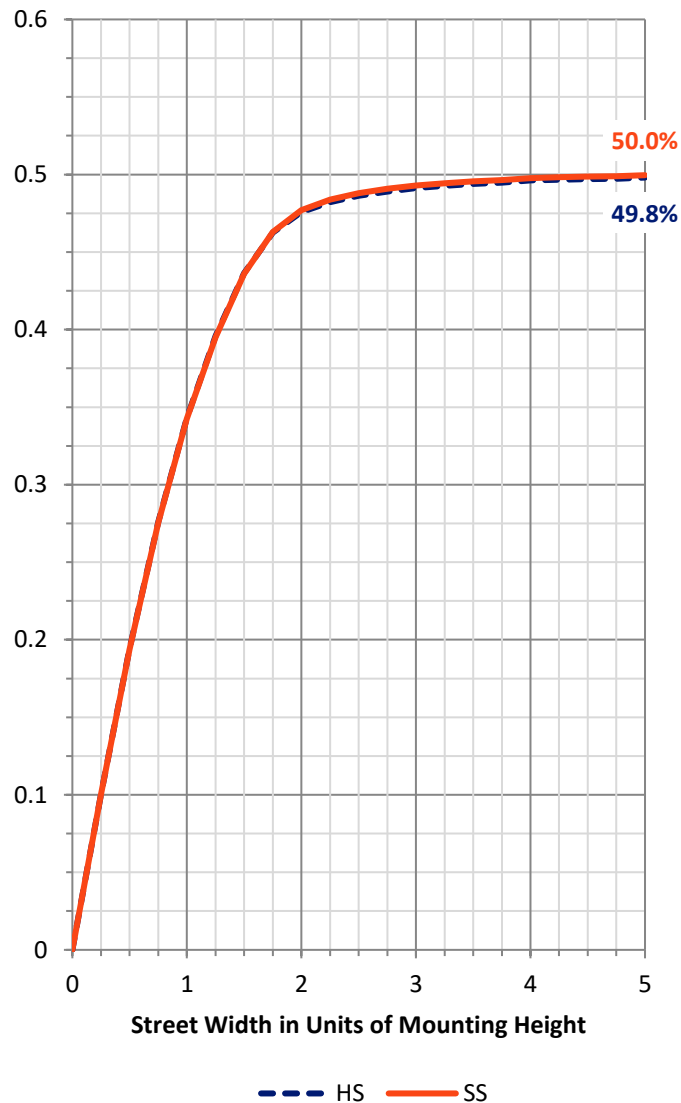
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10476.0	0.0	10476.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10476.0	0.0	10476.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20952.0	0.0	20952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.5	1.8
10°-20°	1134.5	5.4
20°-30°	1981.0	9.5
30°-40°	3163.9	15.1
40°-50°	4309.9	20.6
50°-60°	5828.1	27.8
60°-70°	3196.1	15.3
70°-80°	817.7	3.9
80°-90°	139.5	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°	20952.0	100.0
0°-180°	20952.0	100.0

Coefficient of Utilization



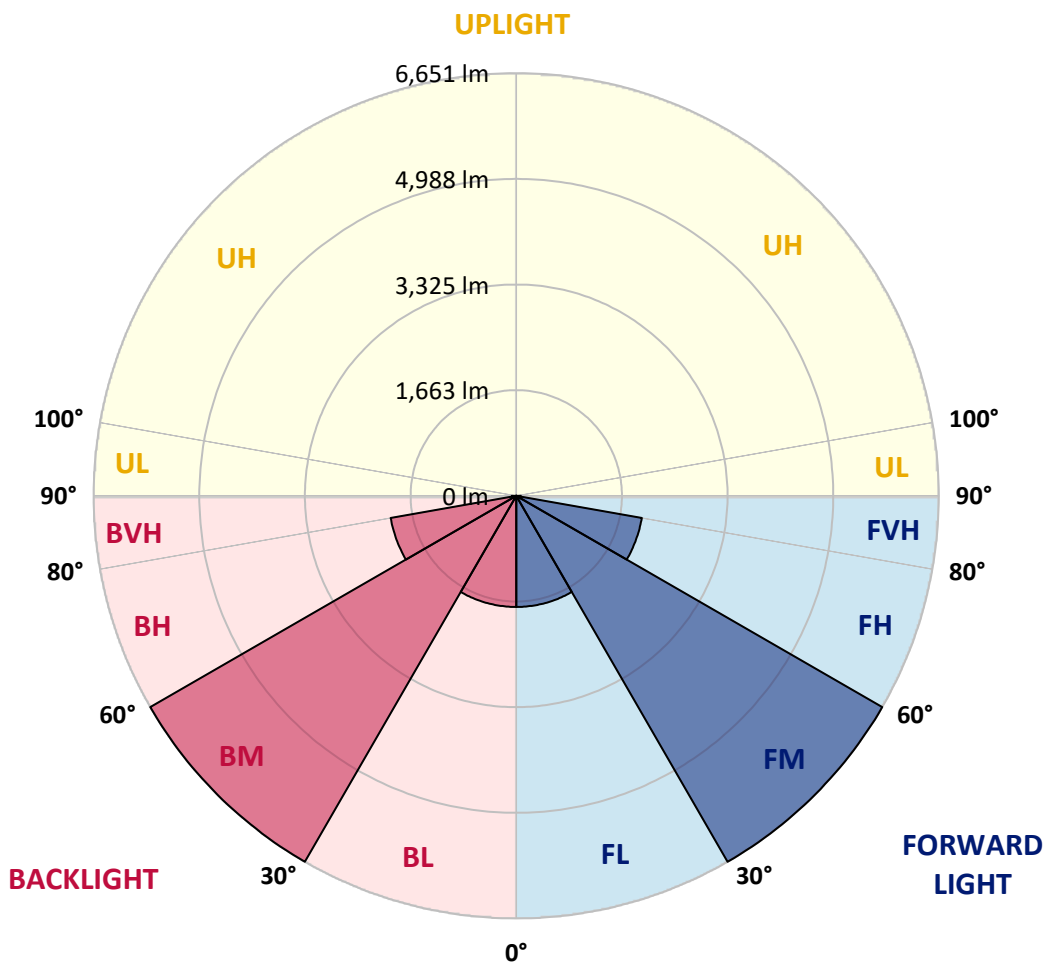
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1748.5	8.3			
FM (30°-60°)	6650.9	31.7			
FH (60°-80°)	2006.9	9.6			G2/5000
FVH (80°-90°)	69.7	0.3			G1/100
BL (0°-30°)	1748.5	8.3	B3/2500		
BM (30°-60°)	6650.9	31.7	B4/8500		
BH (60°-80°)	2006.9	9.6	B3/2500		G2/5000
BVH (80°-90°)	69.7	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°	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9
2.5°	4022.8	4052.3	4030.8	4049.6	4046.9	4038.9	4025.4	4017.4	4006.6	4022.8	3995.9
5°	4006.6	4030.8	4055.0	4022.8	4022.8	4006.6	3998.6	3982.5	3982.5	3979.8	3977.1
7.5°	4033.5	4009.3	3998.6	4004.0	4009.3	3974.4	3998.6	3966.4	3939.5	3958.3	3979.8
10°	4009.3	4020.1	3979.8	3998.6	3969.0	3974.4	3958.3	3979.8	3950.2	3950.2	3950.2
12.5°	4033.5	4004.0	4017.4	4004.0	3995.9	3950.2	3971.7	3947.6	3944.9	3971.7	3947.6
15°	4081.8	4033.5	4022.8	3995.9	4004.0	4004.0	3982.5	3985.2	3955.6	3971.7	3977.1
17.5°	4065.7	4038.9	4030.8	3998.6	4025.4	4033.5	3993.2	3966.4	3985.2	3982.5	3979.8
20°	4079.1	4089.9	4081.8	4087.2	4097.9	4076.5	4038.9	4001.3	3977.1	4012.0	4009.3
22.5°	4165.1	4154.3	4149.0	4143.6	4162.4	4183.9	4132.9	4073.8	4073.8	4097.9	4108.7
25°	4234.9	4232.2	4229.5	4253.7	4318.2	4318.2	4253.7	4178.5	4159.7	4175.8	4162.4
27.5°	4336.9	4366.5	4355.7	4398.7	4492.7	4514.2	4428.3	4339.6	4288.6	4269.8	4294.0
30°	4570.6	4535.7	4543.7	4589.4	4672.6	4742.4	4610.9	4516.9	4447.1	4444.4	4455.1
32.5°	4726.3	4753.2	4777.4	4820.3	4951.9	5005.6	4847.2	4694.1	4651.1	4627.0	4635.0
35°	5037.8	5013.7	5008.3	5051.3	5182.9	5271.5	5072.8	4938.5	4882.1	4935.8	4935.8
37.5°	5333.2	5266.1	5215.1	5271.5	5392.3	5403.1	5233.9	5161.4	5131.8	5193.6	5190.9
40°	5472.9	5467.5	5349.4	5381.6	5542.7	5558.8	5400.4	5314.4	5309.1	5389.6	5470.2
42.5°	5617.9	5566.9	5448.7	5470.2	5569.6	5574.9	5424.5	5400.4	5459.5	5537.3	5542.7
45°	5642.1	5599.1	5523.9	5470.2	5542.7	5558.8	5470.2	5486.3	5491.7	5585.7	5585.7
47.5°	5690.4	5685.0	5642.1	5601.8	5615.2	5601.8	5545.4	5569.6	5650.1	5695.8	5674.3
50°	5824.7	5768.3	5811.2	5776.3	5779.0	5816.6	5765.6	5789.8	5773.6	5733.4	5706.5
52.5°	6120.1	6093.2	6130.8	6155.0	6181.8	6267.8	6208.7	6079.8	5958.9	5851.5	5848.8
55°	6552.4	6571.2	6643.7	6767.3	6872.0	7008.9	6724.3	6415.5	6222.1	6052.9	6063.7
57.5°	6960.6	6947.2	7046.5	7328.5	7634.6	7704.5	7145.9	6705.5	6391.3	6283.9	6238.2
59°	6633.0	6697.4	6923.0	7237.2	7717.9	7819.9	7089.5	6469.2	6136.2	5918.7	5956.3
60°	6117.4	6141.6	6343.0	6780.7	7430.6	7605.1	6710.9	6104.0	5660.9	5534.6	5591.0
62.5°	4323.5	4304.7	4449.7	4806.9	5389.6	5626.0	4989.5	4562.5	4283.2	4143.6	4175.8
65°	2298.7	2384.7	2443.7	2666.6	2975.4	3225.2	2962.0	2776.7	2621.0	2505.5	2502.8
67.5°	1552.2	1541.4	1554.9	1605.9	1710.6	1780.4	1775.1	1681.1	1667.6	1646.2	1670.3
70°	1307.8	1302.4	1278.3	1278.3	1299.7	1315.9	1334.7	1345.4	1366.9	1393.7	1391.0
72.5°	1060.7	1047.3	1031.2	1023.1	1050.0	1058.1	1082.2	1093.0	1111.8	1109.1	1133.2
75°	700.9	700.9	719.7	741.2	749.2	765.3	768.0	800.3	800.3	805.6	784.1
77.5°	392.1	381.3	394.8	416.2	435.0	464.6	494.1	518.3	531.7	526.3	526.3
80°	228.3	228.3	241.7	265.9	290.0	316.9	338.4	357.2	370.6	365.2	354.5
82.5°	142.3	142.3	155.8	179.9	198.7	214.8	244.4	268.5	284.7	279.3	265.9
85°	72.5	72.5	88.6	104.7	128.9	139.6	137.0	126.2	123.5	110.1	110.1
87.5°	18.8	18.8	26.9	29.5	24.2	26.9	26.9	26.9	26.9	26.9	29.5
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)