

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: P531922

Luminaire Tested: **GALN-SA7B-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531922
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-SA7B-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 31627 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

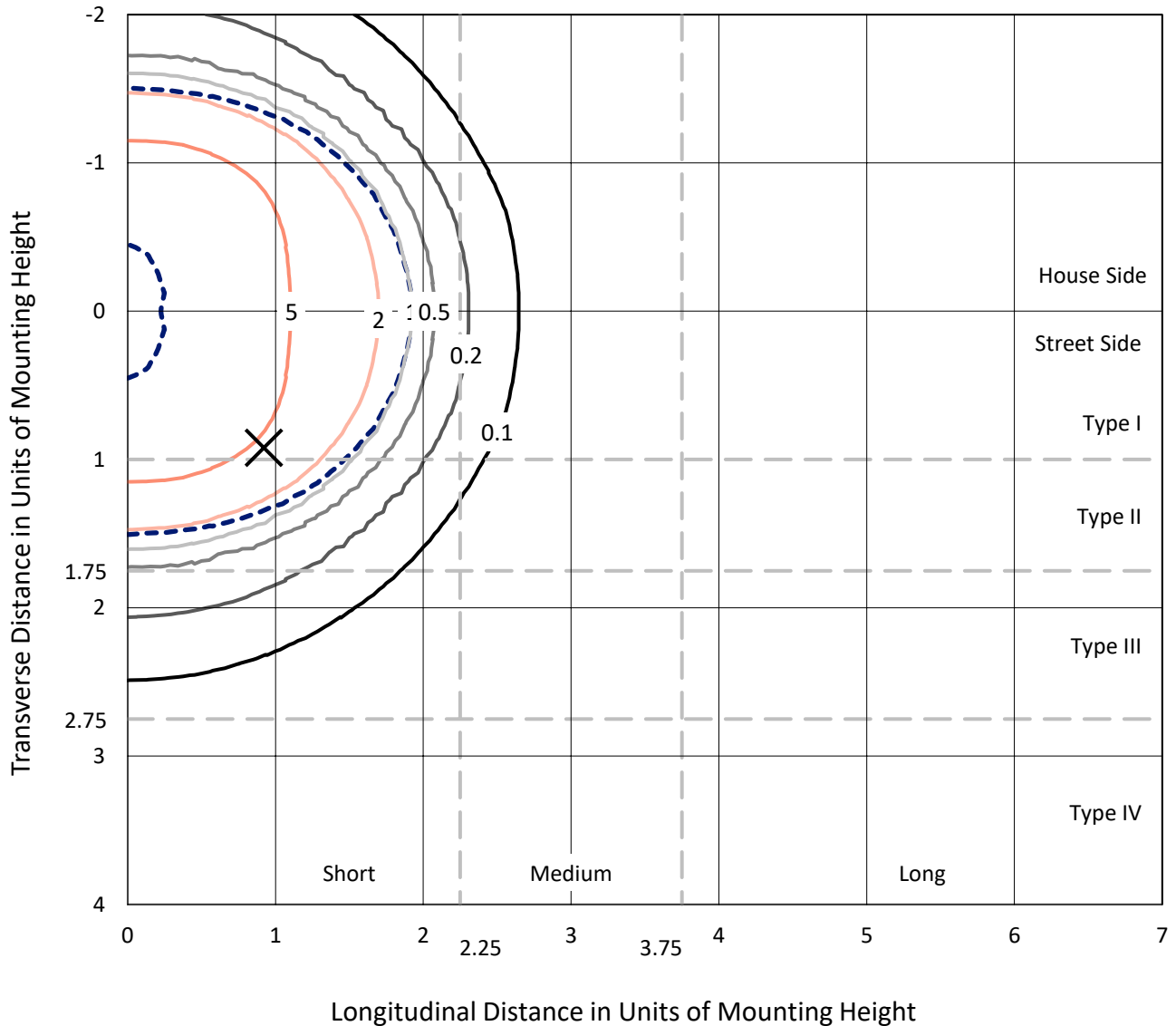
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

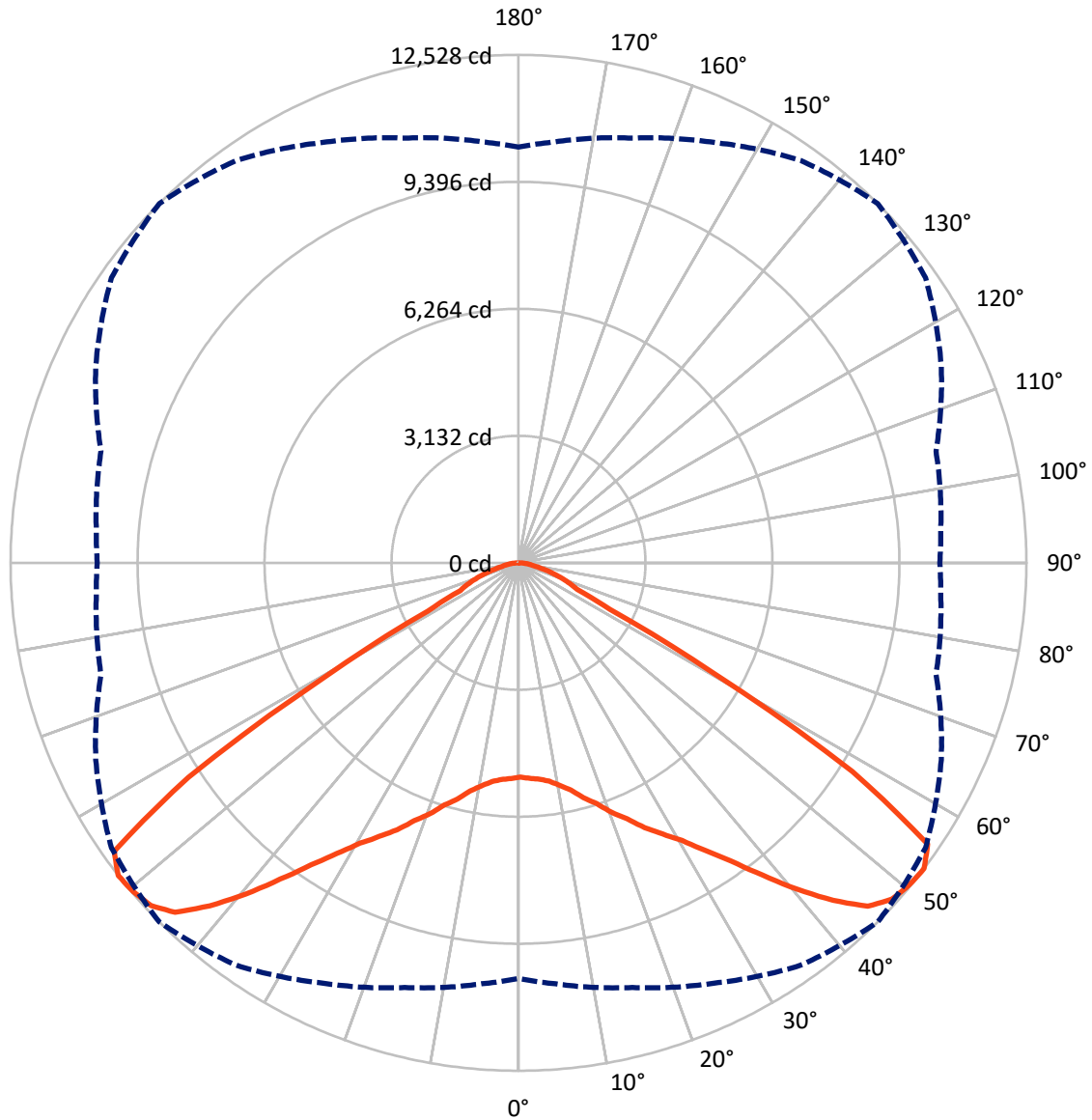
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

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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	15813.5	0.0	15813.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15813.5	0.0	15813.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31627.0	0.0	31627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.4	1.6
10°-20°	1706.8	5.4
20°-30°	3249.5	10.3
30°-40°	5579.6	17.6
40°-50°	8575.9	27.1
50°-60°	8708.7	27.5
60°-70°	2427.0	7.7
70°-80°	715.9	2.3
80°-90°	144.2	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°	31627.0	100.0
0°-180°	31627.0	100.0

Coefficient of Utilization



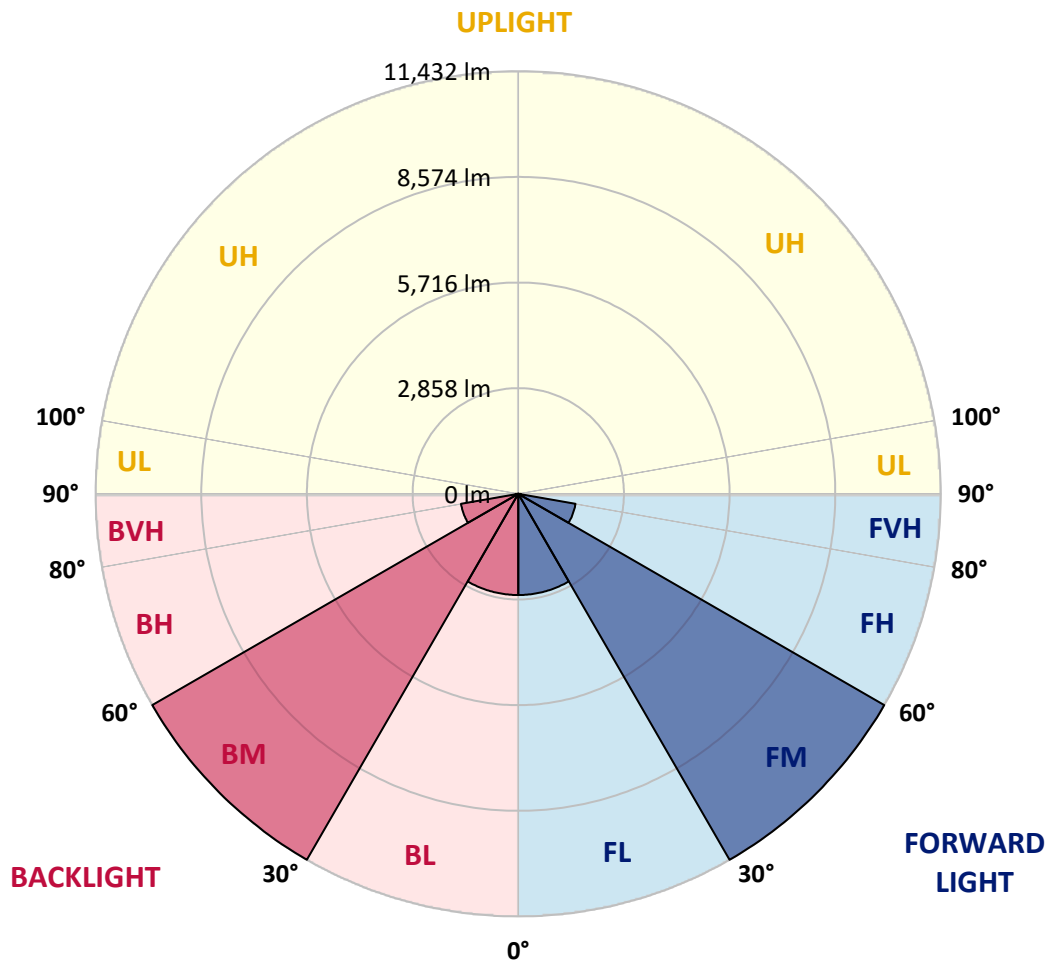
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2737.8	8.7			
FM (30°-60°)	11432.1	36.1			
FH (60°-80°)	1571.5	5.0			G1/1800
FVH (80°-90°)	72.1	0.2			G1/100
BL (0°-30°)	2737.8	8.7	B4/5000		
BM (30°-60°)	11432.1	36.1	B5		
BH (60°-80°)	1571.5	5.0	B3/2500		G1/1800
BVH (80°-90°)	72.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5286.9	5286.9	5286.9	5286.9	5286.9	5286.9	5286.9	5286.9	5286.9	5286.9	5286.9
2.5°	5298.6	5243.7	5263.3	5275.1	5326.1	5322.2	5310.4	5326.1	5341.8	5345.7	5337.9
5°	5294.7	5255.5	5271.2	5282.9	5334.0	5361.4	5353.6	5420.3	5467.4	5455.6	5514.5
7.5°	5263.3	5286.9	5267.2	5326.1	5369.3	5436.0	5506.7	5569.5	5628.3	5695.1	5706.8
10°	5334.0	5334.0	5369.3	5416.4	5530.2	5581.2	5683.3	5773.6	5887.4	5965.9	5934.5
12.5°	5408.5	5420.3	5420.3	5542.0	5636.2	5750.0	5844.2	5965.9	6126.8	6221.0	6268.1
15°	5483.1	5491.0	5530.2	5695.1	5836.4	6016.9	6103.3	6213.2	6303.4	6480.0	6484.0
17.5°	5549.8	5593.0	5710.8	5895.2	6071.9	6244.6	6381.9	6495.7	6574.2	6644.9	6629.2
20°	5801.0	5832.4	5954.1	6138.6	6401.5	6570.3	6617.4	6637.0	6688.1	6829.4	6786.2
22.5°	6044.4	6056.2	6170.0	6452.6	6637.0	6860.8	6911.8	6900.0	6919.6	6955.0	7017.8
25°	6295.6	6315.2	6472.2	6711.6	6970.7	7237.6	7280.7	7190.5	7163.0	7202.2	7206.2
27.5°	6617.4	6621.3	6821.5	7029.5	7323.9	7575.1	7641.8	7571.2	7441.7	7473.1	7524.1
30°	7025.6	6998.1	7198.3	7496.6	7806.7	7948.0	8061.8	8026.5	7885.2	7857.7	7814.5
32.5°	7496.6	7504.5	7685.0	8010.8	8214.9	8450.4	8572.0	8513.2	8422.9	8375.8	8403.3
35°	8159.9	8195.2	8316.9	8587.7	8917.4	9035.2	9227.5	9101.9	8866.4	8925.3	8976.3
37.5°	8705.5	8807.5	9035.2	9357.0	9553.3	9769.1	9839.8	9671.0	9498.3	9427.7	9596.4
40°	9541.5	9510.1	9761.3	10083.1	10373.6	10589.4	10499.2	10330.4	9902.6	9906.5	9953.6
42.5°	10259.7	10275.4	10467.8	10852.4	11248.8	11382.3	11095.8	10683.6	10208.7	10157.7	10259.7
45°	10864.2	10927.0	11036.9	11551.0	11939.6	12084.8	11555.0	11068.3	10432.4	10220.5	10389.3
47.5°	11080.1	11182.1	11421.5	11892.5	12277.2	12394.9	11971.0	11272.4	10640.5	10295.1	10385.3
50°	11111.5	11076.1	11468.6	11900.4	12237.9	12493.0	12120.2	11421.5	10589.4	10408.9	10381.4
52.5°	10251.9	10424.6	10844.6	11437.2	12120.2	12528.4	12253.6	11503.9	10660.1	10456.0	10389.3
55°	8297.3	8093.2	8858.5	9855.5	11111.5	12245.8	12206.5	11547.1	10703.3	10534.5	10444.2
57.5°	4631.4	4690.3	5122.0	6205.3	7826.3	9710.3	10852.4	11091.8	10683.6	10585.5	10632.6
60°	2143.0	2162.6	2347.1	2853.4	3858.2	5506.7	7009.9	8536.7	9239.3	9380.6	9380.6
62.5°	1597.4	1589.6	1636.7	1727.0	1938.9	2531.6	3379.4	4592.2	5557.7	6232.8	6409.4
65°	1444.4	1440.4	1464.0	1495.4	1511.1	1593.5	1781.9	2154.8	2468.8	2649.3	2617.9
67.5°	1263.8	1259.9	1267.7	1287.4	1314.8	1358.0	1405.1	1483.6	1593.5	1585.7	1566.0
70°	1020.5	1020.5	1032.3	1048.0	1079.4	1130.4	1185.3	1240.3	1334.5	1354.1	1350.2
72.5°	753.6	741.8	765.4	796.8	828.2	891.0	949.8	1000.9	1067.6	1087.2	1079.4
75°	478.8	486.7	502.4	537.7	592.7	635.8	698.6	741.8	785.0	800.7	804.6
77.5°	266.9	274.7	302.2	345.4	400.3	447.4	502.4	537.7	565.2	569.1	573.0
80°	160.9	164.8	192.3	231.6	278.7	329.7	372.9	408.2	431.7	420.0	416.0
82.5°	98.1	102.0	125.6	160.9	200.2	239.4	286.5	317.9	341.5	325.8	310.1
85°	51.0	54.9	74.6	98.1	129.5	149.1	149.1	133.4	129.5	121.7	117.7
87.5°	15.7	15.7	19.6	23.5	19.6	23.5	27.5	31.4	31.4	35.3	31.4
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)