

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: P459138

Luminaire Tested: **GALN-SA6B-735-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-735-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31377 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

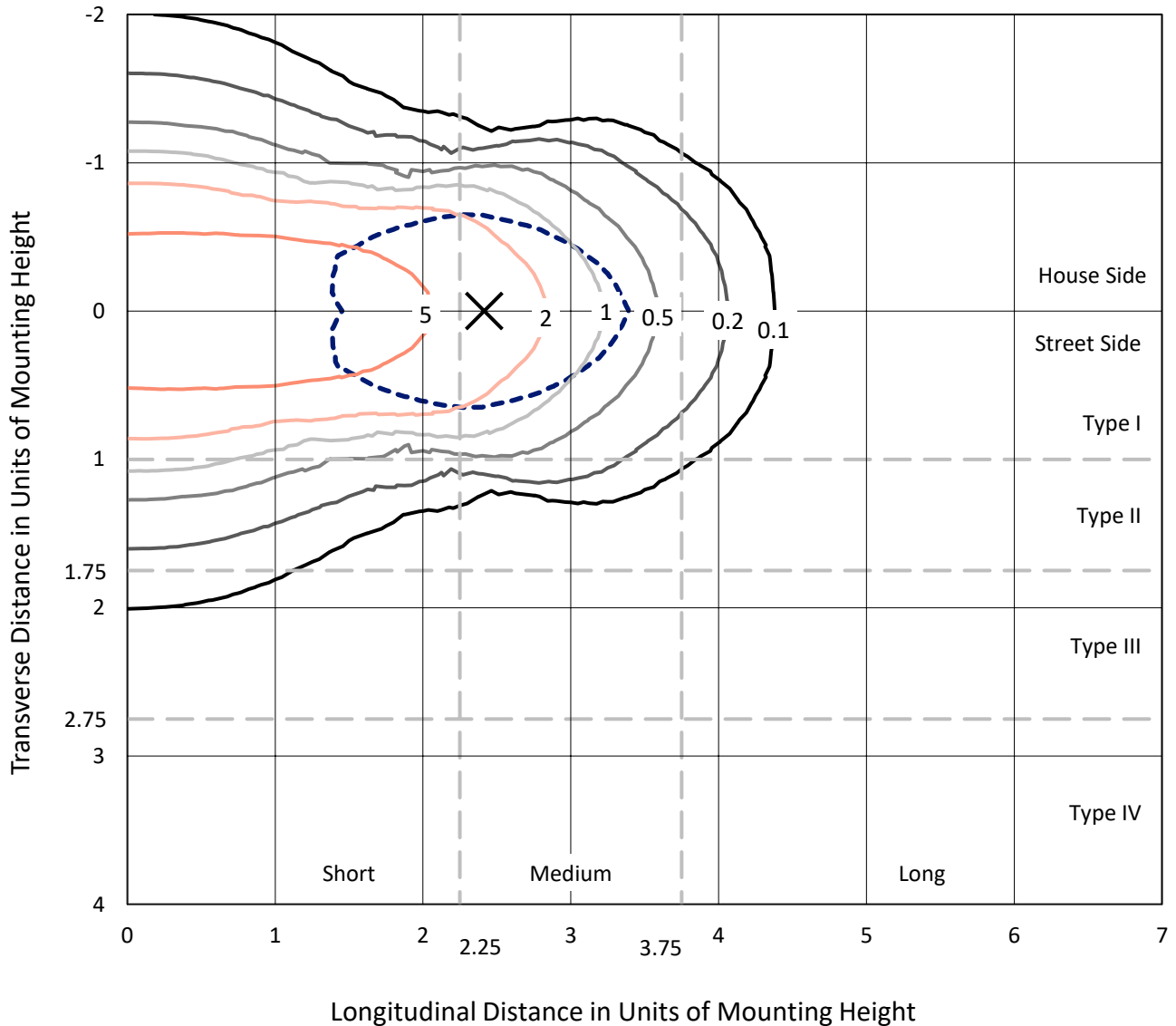
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

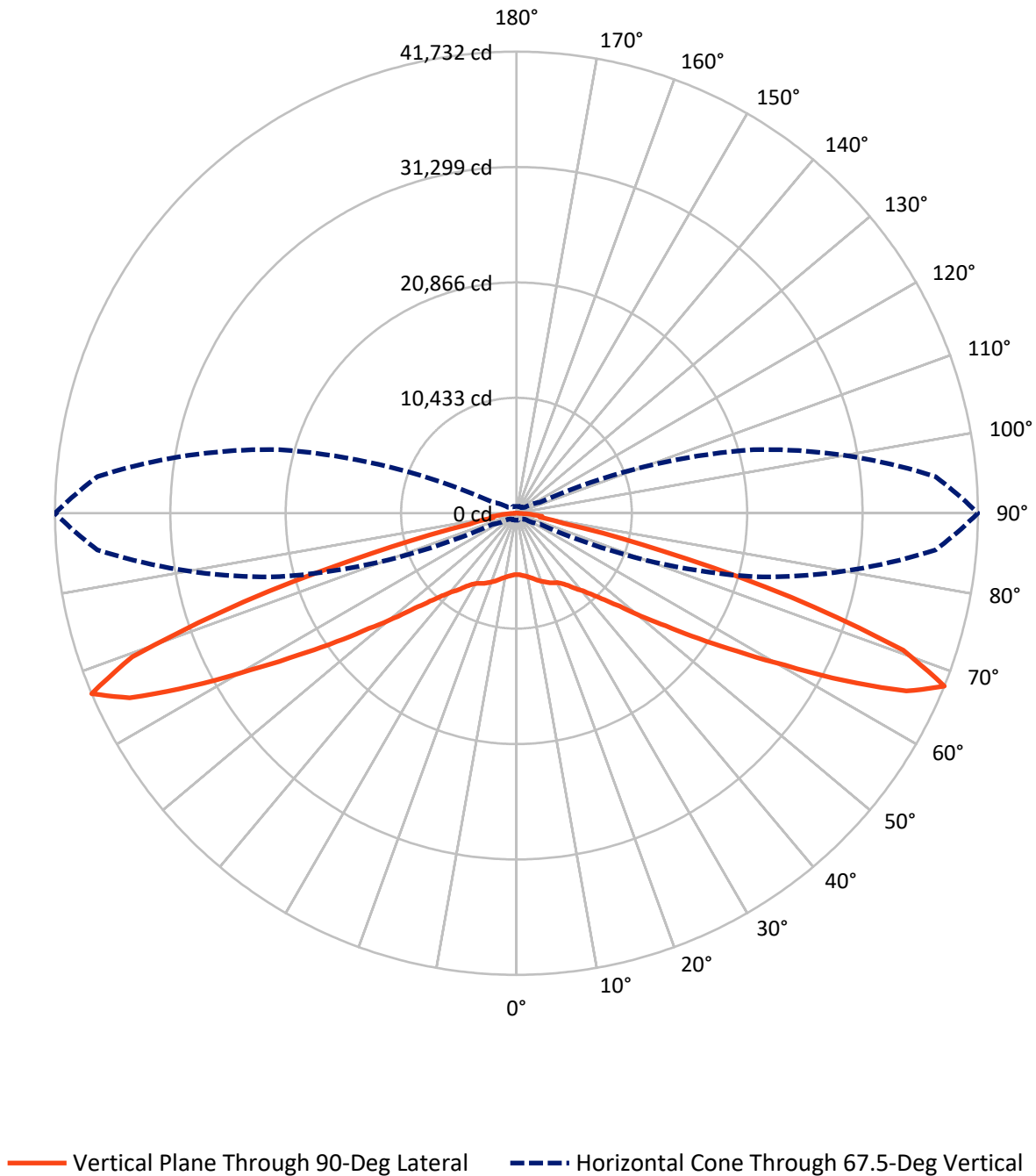
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15688.5	0.0	15688.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15688.5	0.0	15688.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31377.0	0.0	31377.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.8	1.8
10°-20°	1771.9	5.6
20°-30°	2965.7	9.5
30°-40°	4017.7	12.8
40°-50°	5089.1	16.2
50°-60°	6357.5	20.3
60°-70°	7473.0	23.8
70°-80°	2858.8	9.1
80°-90°	289.6	0.9
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°	31377.0	100.0
0°-180°	31377.0	100.0

Coefficient of Utilization



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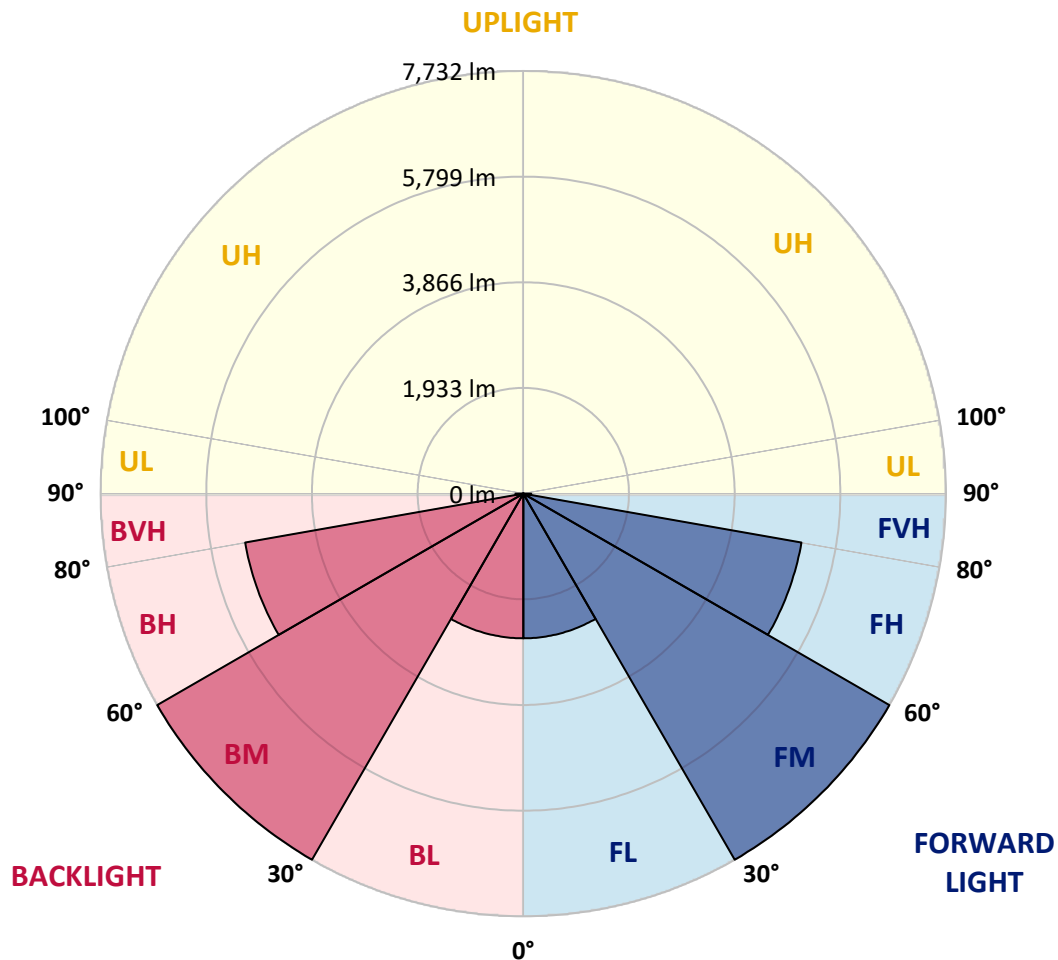
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2645.7	8.4			
FM	(30°-60°)	7732.1	24.6			
FH	(60°-80°)	5165.9	16.5			G3/7500
FVH	(80°-90°)	144.8	0.5			G2/225
BL	(0°-30°)	2645.7	8.4	B4/5000		
BM	(30°-60°)	7732.1	24.6	B4/8500		
BH	(60°-80°)	5165.9	16.5	B5		G5
BVH	(80°-90°)	144.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5554.7	5554.7	5554.7	5554.7	5554.7	5554.7	5554.7	5554.7	5554.7	5554.7	5554.7
2.5°	5625.9	5622.5	5624.2	5622.5	5627.7	5624.2	5603.4	5586.0	5572.1	5573.8	5568.6
5°	5745.8	5747.6	5749.3	5740.6	5752.8	5745.8	5712.8	5685.0	5657.2	5646.8	5643.3
7.5°	5844.9	5853.6	5858.8	5867.5	5888.3	5888.3	5870.9	5831.0	5770.2	5735.4	5733.7
10°	5943.9	5950.9	5966.5	5994.3	6029.0	6062.0	6055.1	6001.2	5923.1	5864.0	5850.1
12.5°	5978.6	5987.3	6039.5	6119.4	6197.6	6261.9	6261.9	6218.4	6117.6	6027.3	6001.2
15°	5857.0	5872.7	5966.5	6136.8	6341.8	6482.5	6513.8	6453.0	6345.3	6206.3	6175.0
17.5°	5615.5	5653.7	5791.0	6042.9	6383.5	6675.4	6765.7	6736.2	6597.2	6420.0	6383.5
20°	5356.6	5398.3	5544.3	5877.9	6348.7	6788.3	7050.7	7057.6	6885.6	6628.5	6574.6
22.5°	5071.7	5103.0	5290.6	5681.5	6244.5	6814.4	7295.7	7415.5	7182.7	6837.0	6760.5
25°	4752.0	4786.7	4983.1	5405.3	6048.1	6784.8	7519.8	7783.9	7493.7	7059.4	6962.1
27.5°	4446.2	4460.1	4670.3	5099.5	5789.3	6708.4	7684.8	8122.7	7837.7	7243.5	7120.2
30°	4152.6	4185.6	4371.5	4795.4	5492.2	6559.0	7827.3	8508.4	8207.8	7436.4	7278.3
32.5°	3841.6	3881.5	4083.1	4512.2	5195.0	6334.8	7914.2	8930.6	8723.9	7749.1	7580.6
35°	3542.7	3568.8	3772.1	4189.1	4904.9	6074.2	7929.8	9406.7	9389.3	8223.5	7999.3
37.5°	3236.9	3275.1	3480.2	3879.8	4597.4	5798.0	7851.6	9912.3	10192.0	8882.0	8640.5
40°	2943.3	2976.3	3177.8	3580.9	4248.1	5460.9	7665.7	10374.5	11128.5	9559.6	9217.3
42.5°	2623.6	2632.3	2852.9	3263.0	3905.8	5070.0	7398.2	10786.2	12172.7	10468.3	10042.6
45°	2260.5	2283.0	2488.1	2891.2	3513.2	4632.1	7035.0	11126.8	13496.7	11728.0	11147.6
47.5°	1897.3	1916.4	2104.1	2502.0	3084.0	4130.0	6475.6	11425.6	14855.4	13328.2	12567.2
50°	1542.9	1553.3	1706.2	2058.9	2601.0	3601.8	5782.3	11521.2	16391.3	15593.8	14622.6
52.5°	1219.7	1235.3	1351.8	1628.0	2085.0	2978.0	5033.5	11284.9	18184.4	18280.0	16910.8
55°	988.6	993.8	1080.7	1284.0	1629.8	2324.7	4130.0	10626.4	20113.0	21721.9	19975.7
57.5°	851.4	854.8	903.5	1016.4	1254.5	1753.1	3203.9	9380.6	21845.3	25754.6	23509.8
60°	773.2	774.9	802.7	868.7	993.8	1344.8	2295.2	7622.3	23554.9	30242.5	27902.1
62.5°	724.5	724.5	743.6	780.1	840.9	1032.1	1662.8	5499.1	24726.0	34796.4	33316.1
65°	677.6	677.6	691.5	717.6	750.6	844.4	1228.4	3586.1	24696.5	38113.2	38761.3
67.5°	623.8	623.8	634.2	660.2	679.4	726.3	948.7	2349.1	22184.1	38040.3	41732.4
70°	559.5	559.5	573.4	596.0	611.6	641.1	748.9	1607.2	16297.5	32480.3	37114.2
72.5°	495.2	496.9	505.6	528.2	540.4	557.7	622.0	1125.9	9997.4	22116.3	25950.9
75°	423.9	427.4	436.1	458.7	469.1	476.1	524.7	802.7	5057.8	11924.3	13576.6
77.5°	342.3	349.2	354.4	378.8	385.7	396.1	432.6	580.3	2220.5	4284.6	4322.8
80°	250.2	258.9	274.5	297.1	302.3	309.3	330.1	411.8	1006.0	1956.4	2124.9
82.5°	184.2	196.3	177.2	206.8	206.8	198.1	232.8	276.3	462.2	1937.3	2317.8
85°	100.8	102.5	92.1	106.0	112.9	111.2	123.4	135.5	224.1	1292.7	1332.6
87.5°	24.3	26.1	27.8	33.0	40.0	40.0	43.4	38.2	73.0	418.7	239.8
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)