



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA000800-001A(s)

[TESTLAB] LightLab International Allentown, LLC

[MANUFAC] Lumen Focus, LLC, 880 Facet Road, Henderson, NC 27537, USA

[LUMCAT] GAT SH W UV 850

[LUMINAIRE] Catalog Number: GAT SH W UV 850

[MORE] Pendant mounted, spun white enamel aluminum housing, formed white enamel

[MORE] aluminum mounting plate, open top. 5 Citizen CLU048-1818C4 white LEDs

[MORE] with extruded aluminum heatsinks and cooling fans under each, clear patterned

[MORE] hemispherical lenses above each. Five Advance Xitanium XI095C275V054BSS1 LED drivers

[MORE] 120.0Vac, 60.00Hz

[OTHER] Absolute test - lamp lumens value set to -1

[MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.

[MORE] The sample was tested at a distance of 9.5m.

[MORE] This IES file created by LightLab/LSA Report program version 3.808a.

[DATE] This file created: Friday, June 16, 2017 4:45:31 PM

[ISSUE DATE] Friday, June 16, 2017 4:45:31 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	54981
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	507
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.51 m (Diameter)
Luminous Width (90-270)	0.51 m (Diameter)
Luminous Height	0.00 m

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

CANDELA TABULATION

	<u>0</u>
90.0	14.933
90.5	94.244
91.0	426.008
91.5	851.184
92.0	1258.764
92.5	1629.193
93.0	1959.843
93.5	2285.262
94.0	2608.522
94.5	2931.958
95.0	3171.427
95.5	3436.292
96.0	3676.910
96.5	3892.858
97.0	4109.675
97.5	4345.507
98.0	4577.972
98.5	4794.789
99.0	5014.926
99.5	5238.171
100.0	5473.651
100.5	5675.992
101.0	5853.171
101.5	6039.441
102.0	6215.330
102.5	6379.980
103.0	6540.502
103.5	6693.868
104.0	6844.348
104.5	7001.702
105.0	7147.408
105.5	7273.618
106.0	7385.047
106.5	7490.857
107.0	7594.133
107.5	7688.728
108.0	7771.253
108.5	7847.901
109.0	7922.425
109.5	7988.938
110.0	8053.808
110.5	8118.526
111.0	8182.364
111.5	8247.175
112.0	8312.878
112.5	8376.622
113.0	8441.575
113.5	8509.683
114.0	8578.412
114.5	8647.376
115.0	8717.784
115.5	8786.759
116.0	8857.366
116.5	8929.204

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

CANDELA TABULATION - (Cont.)

117.0	8998.391
117.5	9066.910
118.0	9136.062
118.5	9203.489
119.0	9270.330
119.5	9338.004
120.0	9402.651
120.5	9467.169
121.0	9532.356
121.5	9596.499
122.0	9660.114
122.5	9724.058
123.0	9787.403
123.5	9851.276
124.0	9915.501
124.5	9978.389
125.0	10041.382
125.5	10104.857
126.0	10165.926
126.5	10227.031
127.0	10288.417
127.5	10347.305
128.0	10404.714
128.5	10461.174
129.0	10516.296
129.5	10569.717
130.0	10623.783
130.5	10675.410
131.0	10726.438
131.5	10776.152
132.0	10824.611
132.5	10871.404
133.0	10917.224
133.5	10961.402
134.0	11005.520
134.5	11049.874
135.0	11091.987
135.5	11134.053
136.0	11177.937
136.5	11221.610
137.0	11266.081
137.5	11311.736
138.0	11357.004
138.5	11403.000
139.0	11448.562
139.5	11492.305
140.0	11535.333
140.5	11577.692
141.0	11618.503
141.5	11658.352
142.0	11697.262
142.5	11733.920
143.0	11768.878
143.5	11802.544
144.0	11834.581
144.5	11864.998

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

CANDELA TABULATION - (Cont.)

145.0	11894.606
145.5	11921.223
146.0	11946.796
146.5	11971.618
147.0	11996.029
147.5	12020.030
148.0	12044.605
148.5	12068.712
149.0	12093.452
149.5	12119.013
150.0	12144.996
150.5	12172.011
151.0	12200.282
151.5	12229.527
152.0	12259.017
152.5	12289.411
153.0	12319.313
153.5	12349.495
154.0	12379.960
154.5	12409.920
155.0	12440.384
155.5	12470.966
156.0	12501.031
156.5	12529.982
157.0	12559.978
157.5	12590.489
158.0	12620.355
158.5	12652.356
159.0	12683.032
159.5	12713.343
160.0	12745.591
160.5	12776.923
161.0	12807.681
161.5	12839.049
162.0	12868.516
162.5	12897.901
163.0	12926.782
163.5	12953.398
164.0	12978.666
164.5	13003.500
165.0	13026.961
165.5	13048.229
166.0	13069.074
166.5	13087.104
167.0	13105.591
167.5	13121.920
168.0	13138.261
168.5	13153.992
169.0	13169.793
169.5	13183.740
170.0	13197.700
170.5	13212.351
171.0	13228.328
171.5	13244.012
172.0	13259.544
172.5	13272.694

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

CANDELA TABULATION - (Cont.)

173.0	13288.131
173.5	13299.674
174.0	13311.158
174.5	13323.253
175.0	13333.916
175.5	13342.948
176.0	13355.359
176.5	13362.726
177.0	13369.999
177.5	13374.011
178.0	13381.354
178.5	13385.307
179.0	13388.099
179.5	13388.369
180.0	13388.568

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	10614.82	N.A.	19.30
90-120	19263.61	N.A.	35.00
90-130	28253.27	N.A.	51.40
90-150	44282.8	N.A.	80.50
90-180	54980.89	N.A.	100.00
110-180	44366.07	N.A.	80.70
0-180	54980.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	3213.7
100-110	7401.12
110-120	8648.79
120-130	8989.66
130-140	8578.2
140-150	7451.33
150-160	5749.73
160-170	3679.97
170-180	1268.39

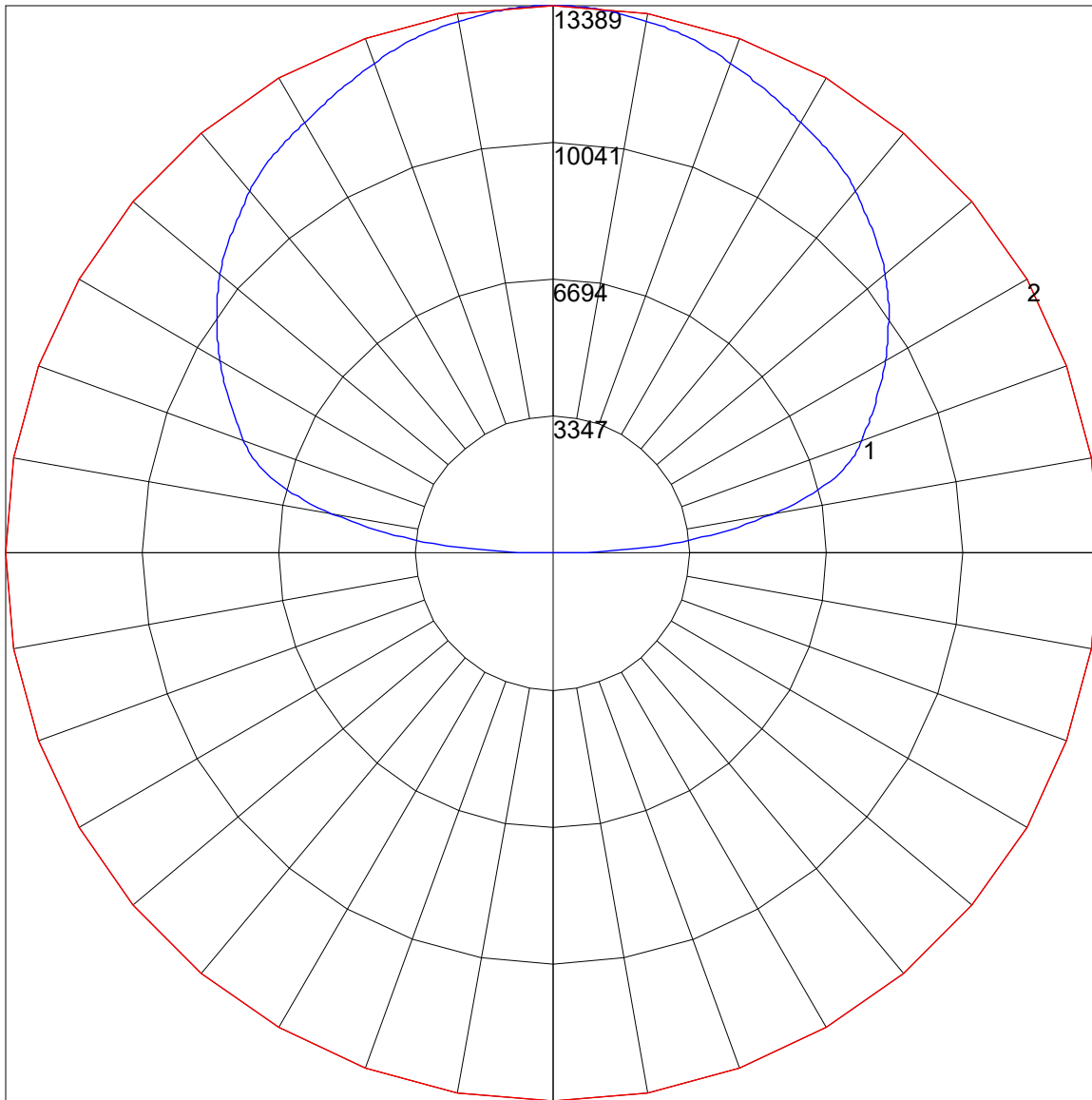
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAT SH W UV 850(S).IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 13388.568 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)