

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GC2208LEDGV-110L40KE1-FO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1308201303-001_M-GEN2-110L-40K
 [TESTLAB] INTERTEK
 [ISSUE DATE] 8/20/2013
 [UPDATE] 5/23/2016
 [MANUFAC] SPECTRUM LIGHTING
 [LUMCAT] GC2208LEDGV-110L-40K-E1-FO
 [LUMINAIRE] LED LAY-IN 2'X2' LOW/HIGH BAY WITH 20" DIAM. FLUSH WHITE LENS
 [LAMP] N/A
 [LAMPCAT] N/A
 [OTHER] CCT OUTPUT MULTIPLIERS: 50K x 1.03, 35K x 0.97, 30K x 0.95, 27K x 0.93
 [OTHER] GYMNASIUM VERSION W/ CLEAR POLYCARBONATE UNDERLAY MULTIPLIER: 0.92
 [OTHER] TOTAL LUMINAIRE WATTS IS APPROXIMATE
 [OTHER] THIS REPORT UPDATED BY SPECTRUM LIGHTING, SCALED FROM GEN1: LEDGV-148W-35K

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8122
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	84
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.04
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9976	10086	10336
55	9229	9272	9441
65	8429	8372	8387
75	6358	6279	6313
85	2312	1863	2089

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GC2208LEDGV-110L40KE1-FO.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	3995.358	3995.358	3995.358	3995.358	3995.358
2.5	3988.248	3989.814	3987.284	3987.163	3988.067
5.0	3960.287	3962.818	3960.709	3960.347	3960.227
7.5	3913.947	3915.393	3914.670	3914.068	3915.032
10.0	3846.817	3847.179	3847.541	3845.793	3847.420
12.5	3761.610	3761.309	3762.453	3761.489	3763.960
15.0	3660.313	3658.565	3662.060	3662.844	3664.953
17.5	3540.094	3535.695	3542.022	3544.132	3548.410
20.0	3395.952	3389.866	3398.543	3403.364	3409.691
22.5	3226.561	3219.692	3232.527	3238.131	3247.532
25.0	3039.695	3033.066	3050.120	3055.604	3070.488
27.5	2852.166	2843.910	2862.591	2870.304	2889.286
30.0	2666.927	2655.839	2677.774	2688.620	2712.664
32.5	2483.917	2472.769	2495.547	2510.733	2537.066
35.0	2307.596	2297.111	2324.047	2338.992	2367.736
37.5	2142.665	2133.385	2161.285	2176.169	2206.842
40.0	1989.424	1981.831	2009.972	2024.736	2054.745
42.5	1850.283	1844.257	1871.434	1884.511	1915.424
45.0	1725.244	1720.122	1744.286	1756.760	1787.553
47.5	1609.243	1606.471	1626.658	1637.806	1666.852
50.0	1498.967	1498.967	1515.961	1524.277	1549.164
52.5	1394.959	1397.249	1406.047	1415.507	1435.755
55.0	1294.746	1298.181	1300.772	1309.028	1324.454
57.5	1195.799	1199.053	1195.498	1203.091	1214.118
60.0	1092.514	1094.322	1088.175	1094.502	1101.010
62.5	984.227	983.383	976.634	982.539	984.227
65.0	871.239	868.527	865.394	869.250	866.900
67.5	752.708	748.429	748.309	751.623	746.742
70.0	634.056	627.548	631.163	632.489	628.813
72.5	514.560	506.305	513.475	514.259	513.054
75.0	402.477	388.074	397.475	398.560	399.644
77.5	302.264	277.979	287.500	288.766	291.056
80.0	202.715	181.081	187.650	189.216	192.470
82.5	116.181	100.212	102.623	103.768	108.408
85.0	49.293	40.254	39.711	39.832	44.532
87.5	8.918	5.785	5.062	4.761	7.111
90.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GC2208LEDGV-110L40KE1-FO.IES

CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GC2208LEDGV-110L40KE1-FO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1401.86	N.A.	17.30
0-30	2801.48	N.A.	34.50
0-40	4258.09	N.A.	52.40
0-60	6775.97	N.A.	83.40
0-80	8054.95	N.A.	99.20
0-90	8121.99	N.A.	100.00
10-90	7747.5	N.A.	95.40
20-40	2856.23	N.A.	35.20
20-50	4207.32	N.A.	51.80
40-70	3373.9	N.A.	41.50
60-80	1278.98	N.A.	15.70
70-80	422.96	N.A.	5.20
80-90	67.04	N.A.	0.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8121.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	374.49
10-20	1027.37
20-30	1399.62
30-40	1456.61
40-50	1351.08
50-60	1166.8
60-70	856.02
70-80	422.96
80-90	67.04
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

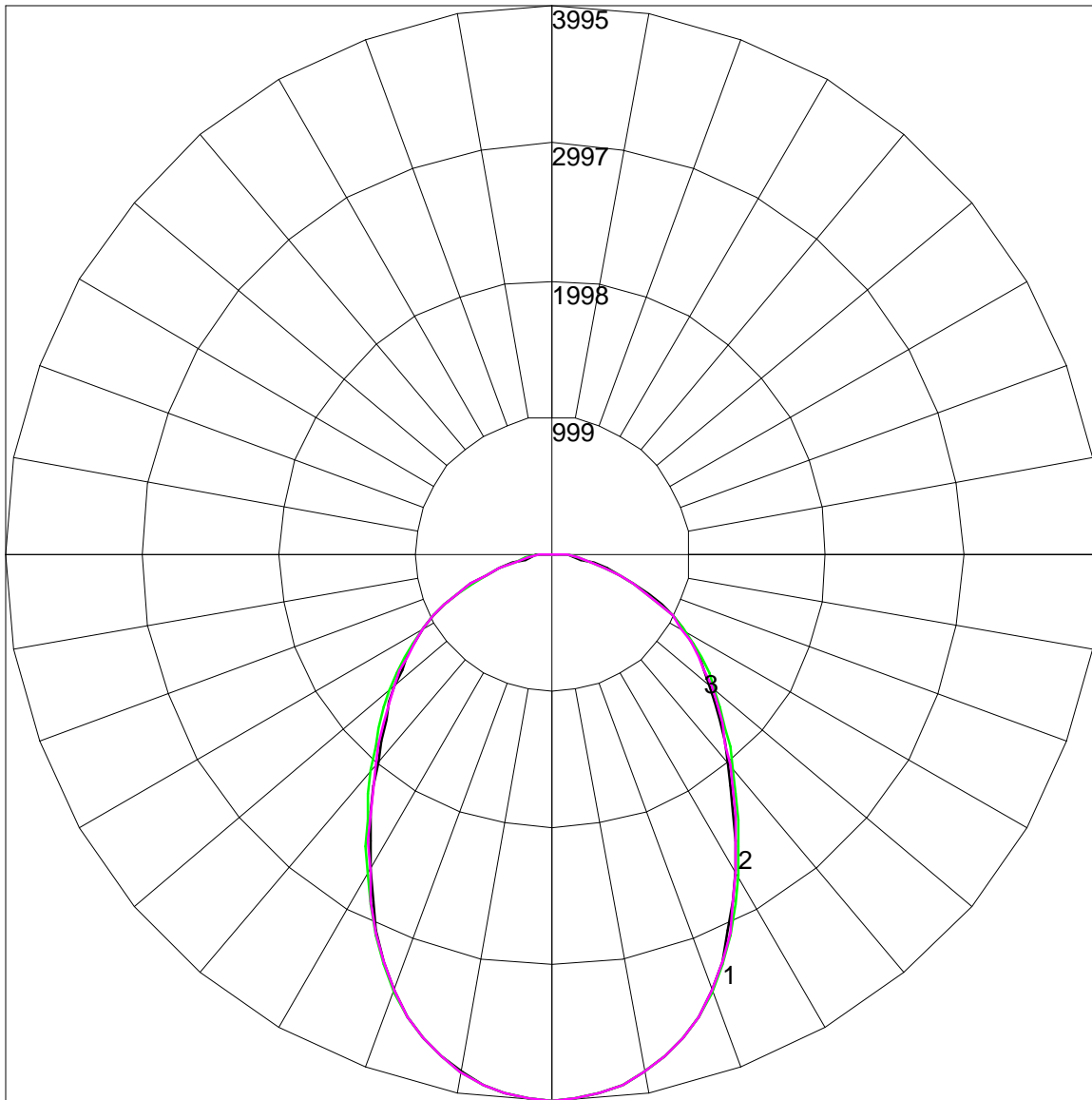
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GC2208LEDGV-110L40KE1-FO.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	85	81	88	83	79	85	80	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55
5	79	67	58	52	77	65	58	52	63	56	51	61	55	51	60	54	50	48
6	73	60	52	46	71	59	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

POLAR GRAPH



Maximum Candela = 3995.358 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)