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## IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-120X120-UNVET12-35LG-1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 4450  
[TESTLAB] Tempo LLC  
[ISSUEDATE] 4/5/2023 3:15:06 PM  
[MANUFAC] Tempo LLC  
[LUMCAT] C6C-120X120-UNVET12-35LG-1  
[LUMINAIRE] Light gray aluminum housing with clear lens  
[LAMP] Sixteen (16) white LEDs (3500K)  
[ELECTRICALS] 120.04 VAC, 0.1025 A, 0.9900 PF

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	867
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	12.31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	0.97 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6913	34780	55503
55	5804	8304	53649
65	5853	7836	45583
75	3599	5592	32759
85	2248	2966	6514

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**CANDELA TABULATION**

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
<b>0.0</b>	440.73	440.73	440.73	440.73	440.73	440.73	440.73	440.73	440.73	440.73
<b>2.5</b>	443.98	443.79	443.60	443.31	443.01	442.69	442.35	442.04	441.71	441.22
<b>5.0</b>	445.39	445.24	445.07	444.72	444.36	444.06	443.76	443.35	442.94	442.41
<b>7.5</b>	444.82	444.72	444.60	444.27	443.93	443.69	443.45	443.29	443.12	442.60
<b>10.0</b>	444.22	444.04	443.86	443.60	443.34	442.77	442.19	441.73	441.28	440.82
<b>12.5</b>	442.73	442.50	442.26	441.97	441.69	441.27	440.85	440.20	439.54	438.80
<b>15.0</b>	440.87	440.45	440.02	439.64	439.26	438.75	438.24	437.73	437.23	436.37
<b>17.5</b>	438.73	438.50	438.27	437.86	437.45	436.59	435.72	434.83	433.93	433.06
<b>20.0</b>	436.49	436.32	436.15	435.60	435.04	434.04	433.03	431.93	430.82	429.34
<b>22.5</b>	434.09	433.62	433.15	432.46	431.75	430.57	429.39	428.10	426.82	424.98
<b>25.0</b>	430.09	429.51	428.93	428.17	427.40	426.19	424.99	423.28	421.56	419.75
<b>27.5</b>	425.87	425.30	424.72	423.80	422.89	421.54	420.19	418.20	416.20	413.71
<b>30.0</b>	418.27	418.03	417.79	417.26	416.73	415.30	413.88	411.72	409.56	406.97
<b>32.5</b>	381.40	386.50	391.58	397.80	404.02	404.66	405.30	403.32	401.33	398.80
<b>35.0</b>	224.08	240.50	256.91	295.82	334.72	361.77	388.80	390.28	391.74	389.04
<b>37.5</b>	81.66	91.39	101.12	136.17	171.22	239.92	308.61	343.10	377.60	375.52
<b>40.0</b>	49.30	50.43	51.54	58.51	65.47	110.29	155.10	243.29	331.48	343.17
<b>42.5</b>	42.00	42.73	43.45	45.32	47.19	54.15	61.11	131.90	202.68	267.33
<b>45.0</b>	36.68	37.20	37.73	39.13	40.54	43.23	45.90	64.78	83.65	184.54
<b>47.5</b>	32.77	33.19	33.60	34.66	35.71	37.71	39.71	43.71	47.70	113.00
<b>50.0</b>	29.43	29.84	30.25	31.11	31.97	33.56	35.15	38.19	41.23	58.50
<b>52.5</b>	26.80	27.09	27.38	28.14	28.88	30.41	31.92	34.29	36.65	40.14
<b>55.0</b>	24.98	25.23	25.48	26.13	26.77	28.18	29.59	31.45	33.30	35.74
<b>57.5</b>	23.66	23.78	23.90	24.37	24.84	26.33	27.82	29.53	31.24	32.58
<b>60.0</b>	22.78	22.85	22.93	23.24	23.55	24.82	26.08	27.59	29.09	29.78
<b>62.5</b>	21.40	21.55	21.68	21.97	22.25	23.50	24.75	25.85	26.95	27.21
<b>65.0</b>	18.56	18.82	19.06	19.63	20.20	21.73	23.26	24.18	25.10	24.85
<b>67.5</b>	14.40	14.67	14.93	15.61	16.29	18.16	20.02	21.33	22.64	22.38
<b>70.0</b>	11.08	11.26	11.43	12.02	12.60	14.10	15.60	17.21	18.81	19.24
<b>72.5</b>	8.92	9.05	9.16	9.39	9.61	10.63	11.64	12.81	13.97	15.14
<b>75.0</b>	6.99	7.08	7.16	7.36	7.57	8.25	8.92	9.50	10.07	10.86
<b>77.5</b>	5.40	5.47	5.52	5.69	5.84	6.33	6.80	7.18	7.55	7.78
<b>80.0</b>	3.79	3.83	3.87	3.93	3.98	4.31	4.64	4.91	5.18	5.33
<b>82.5</b>	2.58	2.62	2.65	2.67	2.68	2.89	3.10	3.23	3.37	3.40
<b>85.0</b>	1.47	1.49	1.50	1.52	1.53	1.66	1.79	1.87	1.94	1.94
<b>87.5</b>	0.48	0.52	0.54	0.57	0.58	0.67	0.75	0.79	0.82	0.83
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
<b>0.0</b>	440.73	440.73	440.73	440.73	440.73	440.73	440.73	440.73	440.73
<b>2.5</b>	440.72	440.56	440.41	440.13	439.86	439.75	439.64	439.70	439.75
<b>5.0</b>	441.86	441.57	441.26	440.87	440.47	440.19	439.92	440.08	440.24
<b>7.5</b>	442.07	441.58	441.08	440.52	439.96	439.51	439.05	439.03	439.02
<b>10.0</b>	440.37	439.95	439.53	438.60	437.66	436.98	436.29	436.12	435.95
<b>12.5</b>	438.06	437.59	437.11	436.17	435.22	434.14	433.06	432.60	432.14
<b>15.0</b>	435.52	434.72	433.92	433.13	432.34	430.82	429.29	428.76	428.22
<b>17.5</b>	432.18	431.11	430.03	429.12	428.21	426.23	424.24	423.33	422.42
<b>20.0</b>	427.86	426.50	425.13	424.11	423.08	421.29	419.48	418.11	416.74
<b>22.5</b>	423.14	421.57	419.99	418.58	417.17	416.01	414.85	413.22	411.60
<b>25.0</b>	417.93	416.03	414.13	412.43	410.72	409.44	408.15	406.37	404.58
<b>27.5</b>	411.21	409.25	407.30	405.35	403.39	401.81	400.22	397.77	395.30
<b>30.0</b>	404.38	402.12	399.85	397.44	395.01	392.74	390.47	387.51	384.54

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**CANDELA TABULATION - (Cont.)**

32.5	396.26	393.52	390.77	386.86	382.94	378.81	374.68	371.13	367.58
35.0	386.33	382.07	377.80	371.37	364.94	359.82	354.68	351.39	348.09
37.5	373.43	366.15	358.87	352.50	346.14	342.53	338.92	336.33	333.74
40.0	354.85	347.65	340.45	336.65	332.85	329.98	327.11	323.79	320.47
42.5	331.98	329.43	326.88	323.50	320.10	317.05	313.99	310.54	307.09
45.0	285.43	299.56	313.69	310.18	306.67	303.58	300.49	297.49	294.49
47.5	178.28	238.61	298.94	295.81	292.67	289.57	286.46	282.92	279.38
50.0	75.76	177.69	279.62	278.15	276.68	273.15	269.61	266.58	263.55
52.5	43.63	134.06	224.48	242.12	259.76	256.58	253.39	250.41	247.43
55.0	38.16	80.34	122.51	182.26	242.02	238.73	235.45	233.18	230.90
57.5	33.92	40.91	47.89	136.41	224.92	220.61	216.29	213.85	211.40
60.0	30.47	32.63	34.78	118.03	201.28	198.89	196.49	194.26	192.03
62.5	27.47	29.12	30.77	86.91	143.05	156.65	170.24	167.27	164.30
65.0	24.60	25.88	27.16	44.57	61.97	105.02	148.06	146.30	144.55
67.5	22.12	22.99	23.85	24.78	25.71	77.92	130.13	127.90	125.68
70.0	19.66	20.19	20.72	21.17	21.62	67.06	112.49	109.26	106.01
72.5	16.30	17.33	18.35	18.44	18.51	52.06	85.60	82.91	80.22
75.0	11.64	13.47	15.28	15.44	15.58	32.35	49.10	56.36	63.62
77.5	8.00	9.25	10.49	11.52	12.55	12.72	12.89	27.97	43.05
80.0	5.48	6.04	6.59	7.66	8.73	8.40	8.06	17.76	27.46
82.5	3.43	3.67	3.89	4.16	4.42	4.84	5.27	9.45	13.64
85.0	1.93	1.97	2.01	2.03	2.05	2.16	2.26	3.26	4.26
87.5	0.83	0.82	0.81	0.76	0.71	0.69	0.66	0.66	0.65
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	165.36	N.A.	19.10
0-30	358.68	N.A.	41.40
0-40	568.34	N.A.	65.60
0-60	794.94	N.A.	91.70
0-80	864.07	N.A.	99.70
0-90	866.85	N.A.	100.00
10-90	824.68	N.A.	95.10
20-40	402.98	N.A.	46.50
20-50	540.33	N.A.	62.30
40-70	276.47	N.A.	31.90
60-80	69.12	N.A.	8.00
70-80	19.26	N.A.	2.20
80-90	2.78	N.A.	0.30
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	866.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	42.17
10-20	123.19
20-30	193.32
30-40	209.66
40-50	137.35
50-60	89.25
60-70	49.86
70-80	19.26
80-90	2.78
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

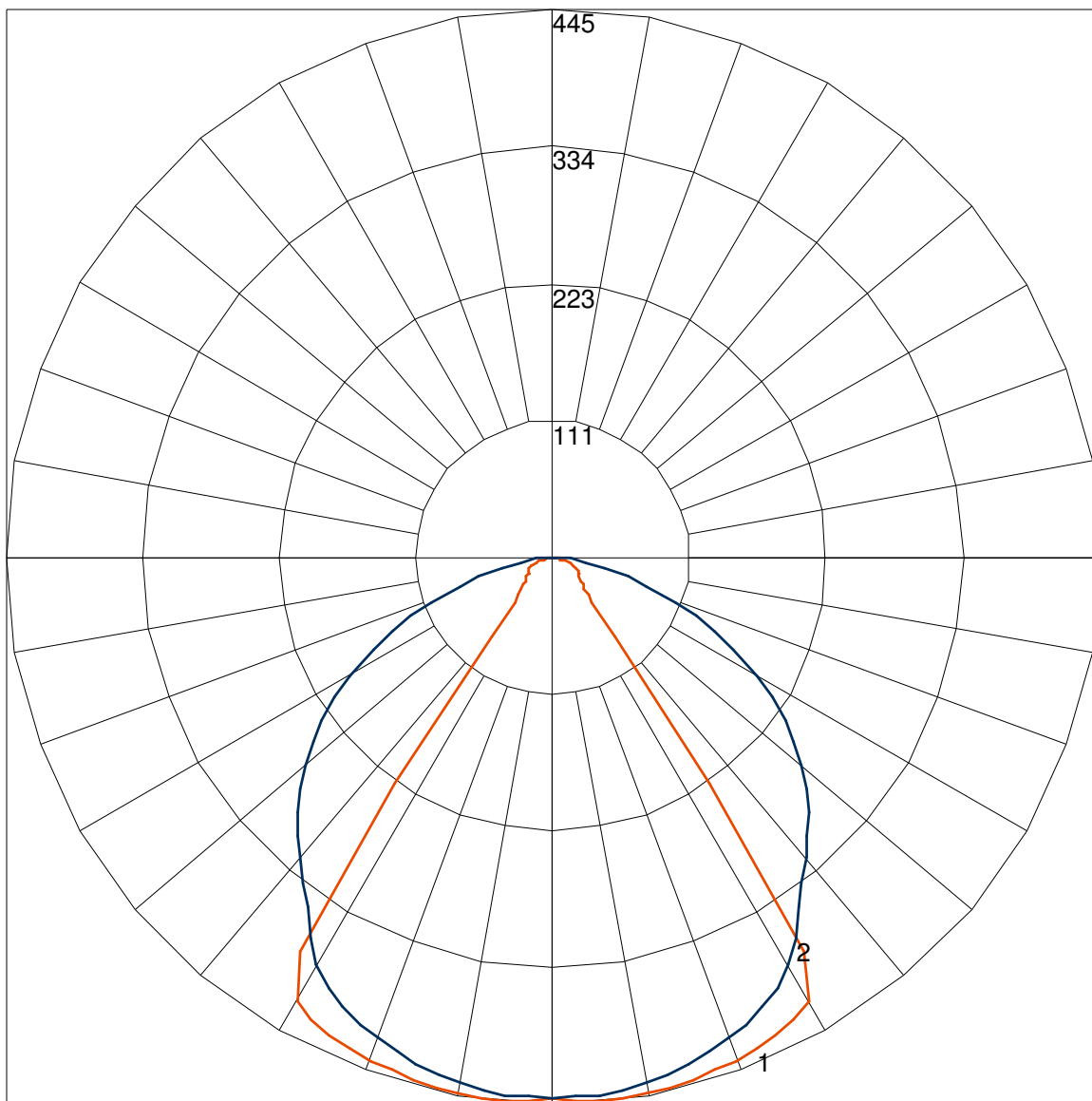
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78
3	96	87	80	75	94	86	79	74	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55
6	77	66	58	52	75	65	57	52	63	57	52	61	56	51	60	55	51	49
7	72	60	53	47	71	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37
10	60	48	41	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34

POLAR GRAPH



Maximum Candela = 445.39 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)