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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-120X120-UNVE5-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4502
[TESTLAB] Tempo LLC
[ISSUE DATE] 5/15/2023 3:02:49 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-120X120-UNVE5-35LG-1
[LUMINAIRE] Light gray aluminum housing with clear lens
[LAMP] Sixteen (16) white LEDs (3500K)
[ELECTRICALS] 120.05 VAC, 0.0320 A, 0.9528 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	317
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	3.86
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	2529	12334	20319
55	2126	3060	19589
65	2132	2889	16669
75	1323	2039	11848
85	795	1055	2278

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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>
0.0	162.17	162.17	162.17	162.17	162.17	162.17	162.17	162.17	162.17	162.17
2.5	163.46	163.42	163.37	163.27	163.17	162.99	162.80	162.60	162.40	162.22
5.0	163.79	163.73	163.67	163.54	163.41	163.22	163.01	162.81	162.60	162.41
7.5	163.41	163.39	163.37	163.32	163.28	163.15	163.01	162.82	162.63	162.39
10.0	163.34	163.32	163.30	163.18	163.05	162.88	162.69	162.43	162.16	161.92
12.5	162.94	162.85	162.75	162.68	162.59	162.29	161.98	161.70	161.42	161.04
15.0	161.95	161.92	161.88	161.70	161.52	161.27	161.01	160.68	160.35	159.97
17.5	161.35	161.31	161.26	161.07	160.89	160.44	159.99	159.57	159.15	158.83
20.0	160.63	160.55	160.47	160.16	159.83	159.35	158.87	158.37	157.86	157.45
22.5	159.48	159.40	159.31	158.96	158.60	158.25	157.89	157.19	156.49	155.86
25.0	158.09	157.93	157.75	157.42	157.09	156.69	156.29	155.62	154.95	154.06
27.5	156.64	156.41	156.17	155.75	155.34	154.73	154.12	153.54	152.94	151.96
30.0	154.03	153.89	153.75	153.52	153.29	152.57	151.84	150.96	150.07	149.29
32.5	142.55	144.02	145.49	147.21	148.92	148.86	148.79	147.84	146.89	146.15
35.0	76.14	83.78	91.41	108.96	126.50	134.90	143.30	143.46	143.62	142.53
37.5	22.52	24.47	26.41	40.11	53.81	85.35	116.87	127.76	138.65	137.89
40.0	17.68	18.02	18.35	19.63	20.90	33.98	47.06	86.15	125.23	127.91
42.5	15.16	15.39	15.63	16.33	17.02	18.58	20.13	45.49	70.84	96.37
45.0	13.42	13.59	13.76	14.23	14.69	15.70	16.71	19.50	22.29	65.44
47.5	12.06	12.21	12.35	12.71	13.07	13.77	14.47	15.89	17.30	39.15
50.0	10.89	11.02	11.14	11.45	11.75	12.32	12.90	14.00	15.09	17.57
52.5	9.88	10.00	10.12	10.40	10.67	11.23	11.78	12.60	13.43	14.63
55.0	9.15	9.26	9.36	9.62	9.86	10.40	10.93	11.61	12.28	13.17
57.5	8.73	8.77	8.81	8.98	9.14	9.67	10.20	10.87	11.52	12.02
60.0	8.39	8.43	8.46	8.57	8.68	9.16	9.64	10.19	10.74	10.99
62.5	7.88	7.92	7.95	8.07	8.18	8.67	9.16	9.56	9.96	10.06
65.0	6.76	6.88	6.99	7.20	7.39	7.99	8.57	8.91	9.25	9.16
67.5	5.25	5.34	5.43	5.69	5.95	6.65	7.34	7.85	8.35	8.27
70.0	4.05	4.12	4.18	4.37	4.56	5.13	5.70	6.29	6.87	7.05
72.5	3.27	3.30	3.33	3.42	3.50	3.88	4.26	4.69	5.11	5.53
75.0	2.57	2.59	2.61	2.67	2.74	3.01	3.27	3.47	3.67	3.96
77.5	2.01	2.04	2.06	2.10	2.13	2.30	2.47	2.61	2.74	2.82
80.0	1.37	1.39	1.40	1.42	1.43	1.56	1.68	1.79	1.88	1.94
82.5	0.93	0.94	0.94	0.95	0.96	1.04	1.13	1.18	1.22	1.23
85.0	0.52	0.53	0.54	0.55	0.55	0.60	0.64	0.67	0.69	0.69
87.5	0.18	0.20	0.21	0.22	0.22	0.23	0.25	0.27	0.28	0.29
90.0	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>
0.0	162.17	162.17	162.17	162.17	162.17	162.17	162.17	162.17	162.17
2.5	162.04	161.91	161.77	161.71	161.64	161.58	161.50	161.50	161.48
5.0	162.20	162.07	161.94	161.81	161.66	161.58	161.50	161.48	161.45
7.5	162.13	161.92	161.71	161.62	161.51	161.40	161.28	161.31	161.33
10.0	161.67	161.47	161.25	160.99	160.72	160.48	160.23	160.15	160.06
12.5	160.67	160.47	160.27	160.00	159.74	159.34	158.93	158.72	158.51
15.0	159.59	159.29	158.99	158.78	158.56	158.07	157.56	157.20	156.83
17.5	158.51	158.14	157.76	157.45	157.15	156.60	156.05	155.58	155.10
20.0	157.02	156.57	156.11	155.74	155.36	154.78	154.19	153.63	153.06
22.5	155.23	154.69	154.15	153.68	153.20	152.67	152.13	151.58	151.03
25.0	153.16	152.47	151.78	151.30	150.81	150.17	149.53	149.06	148.58
27.5	150.97	150.18	149.38	148.82	148.24	147.39	146.54	145.90	145.25
30.0	148.50	147.56	146.62	145.81	144.99	144.06	143.12	142.29	141.45

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32.5	145.41	144.33	143.25	142.22	141.19	139.54	137.90	136.59	135.27
35.0	141.44	140.31	139.17	136.54	133.91	131.85	129.78	128.68	127.58
37.5	137.12	134.40	131.66	129.05	126.44	125.39	124.34	123.37	122.40
40.0	130.58	127.48	124.38	123.09	121.79	120.79	119.78	118.58	117.37
42.5	121.90	120.67	119.44	118.32	117.20	116.09	114.97	113.86	112.74
45.0	108.57	111.61	114.64	113.47	112.29	111.11	109.92	108.87	107.81
47.5	60.99	85.39	109.77	108.43	107.07	105.78	104.50	103.41	102.32
50.0	20.05	61.76	103.45	102.20	100.95	99.84	98.71	97.49	96.26
52.5	15.82	50.69	85.57	90.20	94.84	93.66	92.48	91.50	90.51
55.0	14.05	26.24	38.43	63.41	88.40	87.08	85.76	85.04	84.31
57.5	12.52	13.71	14.89	48.45	82.01	80.25	78.48	77.93	77.37
60.0	11.24	11.99	12.73	43.61	74.49	72.98	71.47	70.79	70.11
62.5	10.14	10.75	11.35	32.72	54.09	58.12	62.13	61.31	60.50
65.0	9.06	9.55	10.04	13.31	16.58	35.33	54.09	53.48	52.86
67.5	8.18	8.49	8.80	9.04	9.27	28.21	47.15	46.26	45.36
70.0	7.23	7.44	7.63	7.80	7.97	24.17	40.36	39.32	38.27
72.5	5.94	6.35	6.76	6.80	6.84	19.15	31.45	30.21	28.97
75.0	4.24	4.93	5.60	5.68	5.75	11.29	16.81	19.92	23.01
77.5	2.90	3.37	3.83	4.23	4.63	4.45	4.27	9.86	15.43
80.0	1.99	2.20	2.40	2.79	3.17	3.07	2.97	6.35	9.73
82.5	1.25	1.33	1.40	1.49	1.59	1.76	1.92	3.38	4.83
85.0	0.68	0.70	0.73	0.73	0.73	0.77	0.80	1.15	1.49
87.5	0.29	0.30	0.29	0.28	0.26	0.26	0.25	0.24	0.22
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	60.73	N.A.	19.20
0-30	131.72	N.A.	41.60
0-40	208.22	N.A.	65.80
0-60	290.42	N.A.	91.80
0-80	315.52	N.A.	99.70
0-90	316.52	N.A.	100.00
10-90	301.03	N.A.	95.10
20-40	147.49	N.A.	46.60
20-50	197.27	N.A.	62.30
40-70	100.32	N.A.	31.70
60-80	25.09	N.A.	7.90
70-80	6.97	N.A.	2.20
80-90	1.00	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	316.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.49
10-20	45.24
20-30	70.99
30-40	76.50
40-50	49.79
50-60	32.42
60-70	18.12
70-80	6.97
80-90	1.00
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

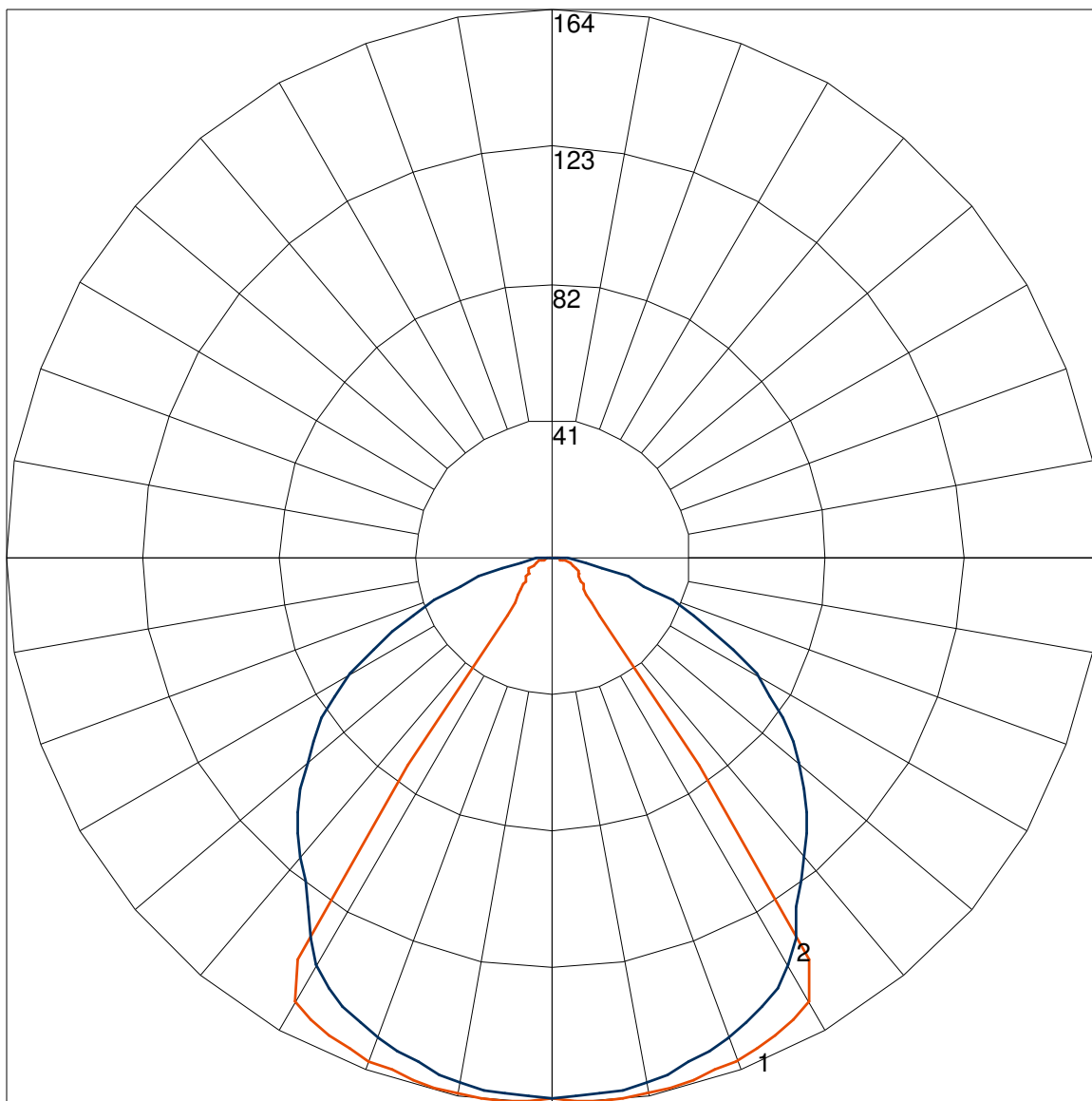
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	104	101	109	105	102	100	101	99	96	97	95	93	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	93	86	79	74	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	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	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	52	47	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 = 163.79 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)