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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-120X120-UNVET9-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4486
[TESTLAB] Tempo LLC
[ISSUE DATE] 5/8/2023 11:07:50 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-120X120-UNVET9-35LG-1
[LUMINAIRE] Light gray aluminum housing with clear lens
[LAMP] Sixteen (16) white LEDs (3500K)
[ELECTRICALS] 120.13 VAC, 0.0684 A, 0.9641 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	648
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	8.22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.32
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	4748	27213	41377
55	4166	5962	39917
65	4166	5594	34088
75	2410	3970	24808
85	1330	1835	5061

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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	329.27	329.27	329.27	329.27	329.27	329.27	329.27	329.27	329.27	329.27
2.5	332.38	332.18	331.97	331.68	331.39	330.95	330.51	330.21	329.90	329.43
5.0	333.43	333.30	333.16	332.74	332.30	331.91	331.51	331.04	330.56	330.19
7.5	333.24	333.15	333.05	332.75	332.45	332.03	331.61	331.25	330.89	330.28
10.0	332.34	332.13	331.92	331.68	331.43	330.93	330.44	330.07	329.70	329.22
12.5	331.00	330.85	330.69	330.48	330.26	329.64	329.01	328.52	328.02	327.38
15.0	328.84	328.66	328.47	328.20	327.92	327.45	326.98	326.53	326.07	325.35
17.5	326.60	326.56	326.51	326.09	325.67	325.03	324.38	323.81	323.24	322.62
20.0	324.56	324.39	324.21	323.78	323.35	322.58	321.81	320.98	320.14	319.33
22.5	321.76	321.50	321.23	320.79	320.35	319.63	318.92	317.89	316.86	315.69
25.0	318.10	317.96	317.80	317.29	316.77	315.95	315.11	314.07	313.02	311.64
27.5	313.82	313.75	313.68	313.14	312.59	311.60	310.61	309.47	308.33	306.90
30.0	308.26	308.18	308.09	307.63	307.16	306.27	305.39	304.16	302.93	301.44
32.5	294.08	295.25	296.41	297.68	298.95	298.81	298.66	297.49	296.32	294.83
35.0	202.38	213.11	223.83	247.81	271.78	280.18	288.57	288.57	288.57	287.06
37.5	61.29	70.64	79.99	116.76	153.52	203.63	253.73	266.30	278.86	277.88
40.0	33.00	33.98	34.95	41.74	48.53	92.28	136.01	197.92	259.82	262.01
42.5	28.47	28.97	29.46	30.87	32.26	38.67	45.08	111.22	177.35	212.08
45.0	25.19	25.58	25.95	26.92	27.88	29.92	31.96	48.48	64.99	144.39
47.5	22.96	23.23	23.50	24.18	24.85	26.26	27.66	30.69	33.71	93.38
50.0	21.10	21.35	21.61	22.13	22.64	23.69	24.73	26.91	29.09	44.55
52.5	19.42	19.63	19.85	20.34	20.82	21.77	22.70	24.37	26.04	28.80
55.0	17.93	18.14	18.35	18.84	19.31	20.27	21.22	22.50	23.77	25.66
57.5	16.78	16.93	17.08	17.43	17.78	18.82	19.85	21.06	22.28	23.56
60.0	15.98	16.12	16.27	16.51	16.75	17.61	18.47	19.59	20.71	21.47
62.5	15.10	15.25	15.41	15.58	15.75	16.59	17.44	18.26	19.08	19.51
65.0	13.21	13.41	13.60	13.97	14.33	15.31	16.29	16.98	17.67	17.74
67.5	10.24	10.48	10.73	11.22	11.71	12.92	14.14	15.05	15.95	15.93
70.0	7.62	7.77	7.91	8.36	8.79	9.93	11.06	12.22	13.38	13.75
72.5	6.07	6.16	6.24	6.41	6.58	7.35	8.13	9.06	10.00	10.82
75.0	4.68	4.76	4.84	4.97	5.09	5.63	6.16	6.63	7.10	7.71
77.5	3.44	3.52	3.59	3.69	3.78	4.16	4.53	4.87	5.20	5.39
80.0	2.41	2.46	2.51	2.56	2.59	2.84	3.08	3.30	3.51	3.64
82.5	1.61	1.63	1.65	1.67	1.69	1.84	1.99	2.10	2.21	2.24
85.0	0.87	0.89	0.91	0.93	0.93	1.02	1.10	1.16	1.22	1.20
87.5	0.31	0.32	0.33	0.35	0.36	0.39	0.41	0.43	0.46	0.46
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	329.27	329.27	329.27	329.27	329.27	329.27	329.27	329.27	329.27
2.5	328.95	328.82	328.69	328.48	328.25	328.16	328.06	328.10	328.13
5.0	329.82	329.46	329.11	328.84	328.56	328.45	328.33	328.32	328.31
7.5	329.66	329.20	328.73	328.39	328.05	327.98	327.90	327.96	328.02
10.0	328.73	328.19	327.64	327.03	326.41	326.11	325.81	325.71	325.61
12.5	326.74	326.41	326.08	325.32	324.56	323.89	323.23	322.78	322.33
15.0	324.63	324.07	323.51	322.95	322.39	321.42	320.44	319.89	319.33
17.5	322.01	321.25	320.49	319.90	319.31	318.28	317.26	316.50	315.74
20.0	318.52	317.75	316.98	316.25	315.51	314.42	313.33	312.44	311.55
22.5	314.50	313.68	312.84	311.87	310.90	309.95	309.00	307.97	306.92
25.0	310.24	309.22	308.19	307.07	305.94	305.05	304.16	303.21	302.26
27.5	305.47	304.17	302.86	301.66	300.46	299.42	298.39	297.14	295.90
30.0	299.95	298.43	296.91	295.49	294.06	292.74	291.41	289.64	287.86

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32.5	293.34	291.61	289.88	288.11	286.32	284.05	281.78	279.27	276.75
35.0	285.55	283.66	281.77	277.57	273.36	269.72	266.07	263.54	261.01
37.5	276.89	272.44	268.00	262.94	257.87	255.30	252.71	251.00	249.28
40.0	264.18	258.33	252.46	250.01	247.55	245.58	243.60	241.67	239.74
42.5	246.82	244.33	241.83	239.71	237.58	235.65	233.72	231.59	229.45
45.0	223.79	227.78	231.77	229.76	227.75	225.80	223.84	221.70	219.54
47.5	153.06	187.08	221.09	218.96	216.83	214.89	212.94	210.63	208.31
50.0	60.01	134.20	208.39	206.62	204.84	202.93	201.03	198.50	195.97
52.5	31.56	105.18	178.79	185.57	192.35	190.22	188.09	185.91	183.73
55.0	27.55	65.50	103.44	141.43	179.42	177.26	175.09	173.45	171.80
57.5	24.83	32.68	40.52	103.44	166.35	163.67	160.98	159.52	158.05
60.0	22.21	23.86	25.50	87.93	150.35	148.09	145.83	144.91	143.99
62.5	19.93	21.24	22.55	67.36	112.17	120.43	128.67	126.44	124.19
65.0	17.81	18.90	19.99	36.77	53.55	81.71	109.88	108.99	108.10
67.5	15.91	16.72	17.53	19.15	20.78	58.40	96.01	94.86	93.70
70.0	14.11	14.65	15.17	15.54	15.90	49.53	83.16	81.41	79.64
72.5	11.63	12.44	13.25	13.43	13.61	38.57	63.52	61.91	60.29
75.0	8.32	9.65	10.98	11.18	11.37	22.67	33.96	41.07	48.18
77.5	5.57	6.56	7.54	8.31	9.08	11.18	13.29	22.64	31.98
80.0	3.76	4.18	4.59	5.43	6.26	6.08	5.89	12.89	19.89
82.5	2.28	2.48	2.68	2.93	3.18	3.49	3.80	7.13	10.45
85.0	1.18	1.23	1.27	1.35	1.42	1.51	1.61	2.46	3.31
87.5	0.47	0.47	0.47	0.46	0.45	0.44	0.43	0.47	0.49
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	123.37	N.A.	19.00
0-30	266.94	N.A.	41.20
0-40	425.53	N.A.	65.60
0-60	595.34	N.A.	91.80
0-80	646.46	N.A.	99.70
0-90	648.35	N.A.	100.00
10-90	616.85	N.A.	95.10
20-40	302.15	N.A.	46.60
20-50	405.32	N.A.	62.50
40-70	206.93	N.A.	31.90
60-80	51.11	N.A.	7.90
70-80	14.00	N.A.	2.20
80-90	1.89	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	648.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.50
10-20	91.88
20-30	143.57
30-40	158.59
40-50	103.16
50-60	66.66
60-70	37.11
70-80	14.00
80-90	1.89
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

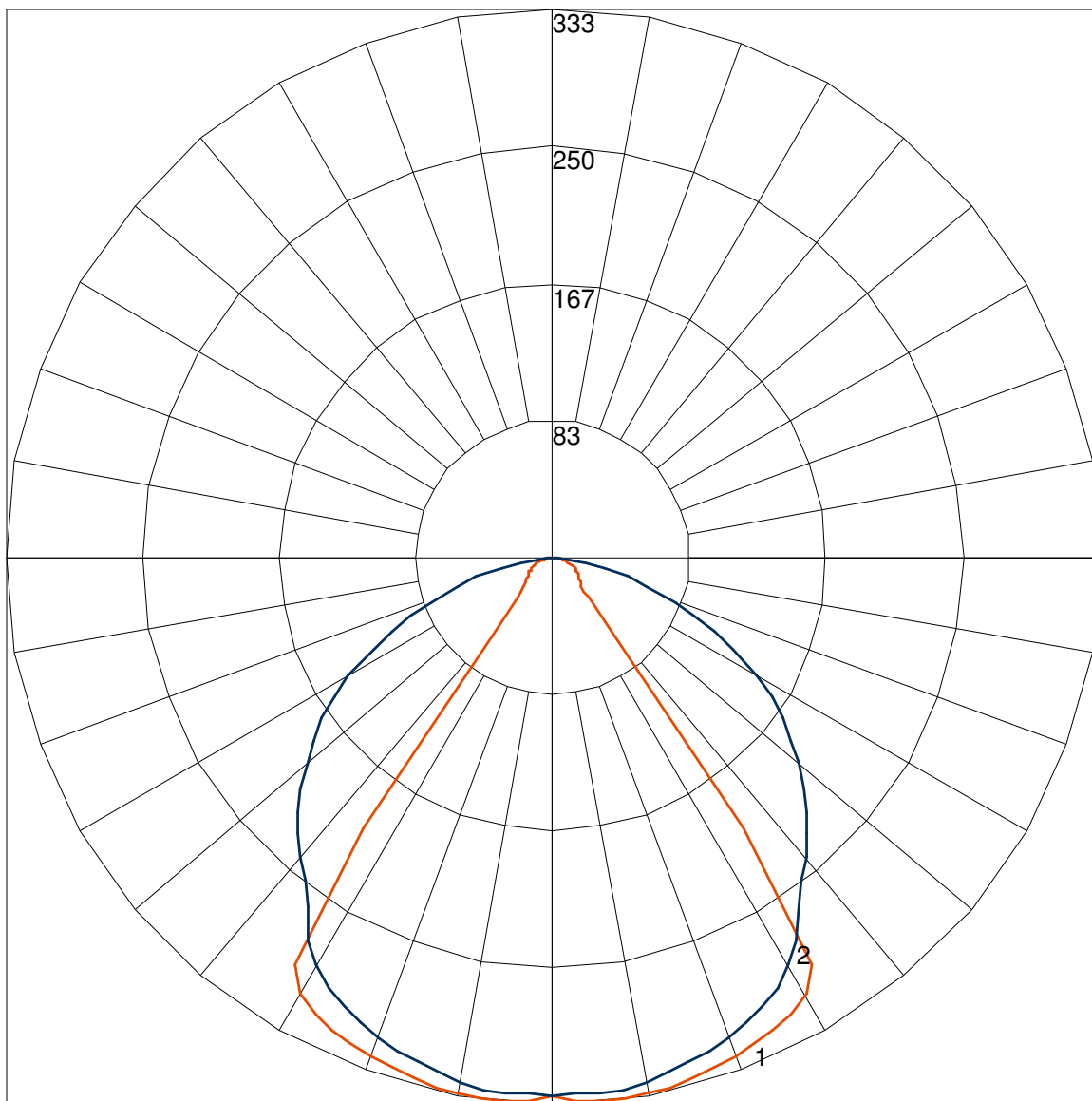
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	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	59	81	71	64	58	69	62	58	67	61	57	65	60	57	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	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	59	47	40	36	46	40	36	45	40	35	45	39	35	34

POLAR GRAPH



Maximum Candela = 333.43 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)