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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-10X30-UNVE12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 80168236-2
[TESTLAB] CSA Group
[ISSUEDATE] 5/4/2023
[MANUFAC] Tempo LLC
[LUMCAT] C6C-10X30-UNVE12-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120 VAC, 0.10 A, 0.9890 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1284
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	12.14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.44
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	11685	14512	17528
55	9759	11153	13476
65	7568	10091	11983
75	5664	8753	10813
85	4587	7645	7645

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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	4293	4293	4293	4293	4293	4293	4293	4293	4293	4293
2.5	4144	4144	4147	4157	4162	4164	4176	4190	4199	4201
5.0	3629	3627	3646	3668	3700	3731	3778	3831	3875	3928
7.5	2820	2827	2855	2898	2956	3026	3111	3209	3312	3421
10.0	2040	2045	2074	2123	2191	2274	2378	2502	2633	2787
12.5	1413	1428	1453	1498	1562	1639	1740	1860	1996	2154
15.0	955	958	982	1024	1075	1144	1231	1333	1456	1591
17.5	636	639	658	687	731	785	858	937	1037	1145
20.0	426	431	443	463	491	528	581	644	722	805
22.5	306	309	315	328	343	367	400	444	497	559
25.0	233	235	239	246	256	269	289	314	347	386
27.5	188	189	190	194	200	208	221	237	256	280
30.0	155	156	156	158	162	167	175	185	197	211
32.5	130	130	131	133	136	139	144	151	159	169
35.0	108	108	110	112	114	117	121	126	132	138
37.5	90	91	92	95	98	100	103	108	113	117
40.0	77	77	78	80	82	85	89	93	97	101
42.5	69	69	69	70	72	73	77	81	85	88
45.0	62	62	62	62	63	65	67	70	74	77
47.5	56	56	56	56	57	58	60	62	65	67
50.0	51	51	51	51	52	53	54	55	57	59
52.5	47	46	46	47	47	48	49	50	52	53
55.0	42	42	42	42	43	44	45	46	47	48
57.5	37	37	37	38	39	40	41	42	43	43
60.0	33	33	33	34	35	36	37	38	38	39
62.5	29	29	29	30	31	32	33	34	35	36
65.0	24	24	25	26	27	28	29	30	31	32
67.5	21	21	21	22	23	24	25	27	27	28
70.0	17	17	17	18	19	20	22	23	24	24
72.5	14	14	14	15	16	17	18	19	20	21
75.0	11	11	11	12	13	14	15	16	16	17
77.5	9	9	9	10	10	11	12	13	13	14
80.0	6	7	7	7	7	8	9	9	10	10
82.5	5	5	5	5	6	6	7	7	7	8
85.0	3	3	3	3	3	4	4	4	4	5
87.5	2	2	2	2	2	2	2	3	3	3
90.0	0	0	0	0	0	0	0	0	0	0

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	4293	4293	4293	4293	4293	4293	4293	4293	4293
2.5	4209	4229	4234	4244	4248	4246	4249	4257	4273
5.0	3964	4022	4055	4098	4120	4132	4141	4162	4175
7.5	3528	3644	3735	3822	3881	3918	3944	3966	3984
10.0	2947	3118	3274	3423	3524	3598	3627	3660	3680
12.5	2327	2518	2713	2893	3042	3140	3193	3226	3241
15.0	1753	1932	2116	2316	2471	2592	2657	2701	2720
17.5	1278	1420	1575	1734	1889	2011	2089	2133	2154
20.0	905	1010	1124	1245	1366	1468	1545	1591	1610
22.5	634	705	785	868	949	1026	1084	1125	1152
25.0	435	485	537	595	643	694	730	757	777
27.5	309	339	370	402	433	462	484	503	511
30.0	229	246	264	282	299	314	326	337	341

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CANDELA TABULATION - (Cont.)

32.5	179	188	198	208	219	227	235	240	242
35.0	144	150	156	162	168	173	178	181	181
37.5	121	126	130	133	137	141	144	146	147
40.0	104	107	109	113	115	118	121	123	123
42.5	91	93	95	98	100	102	104	106	107
45.0	79	81	83	85	88	90	91	93	93
47.5	69	71	73	76	78	80	81	82	82
50.0	61	63	65	67	69	71	72	73	73
52.5	54	56	58	60	62	64	64	65	65
55.0	48	49	51	53	56	57	57	58	58
57.5	44	44	46	48	50	51	51	52	52
60.0	40	40	41	43	44	46	46	47	47
62.5	36	36	37	38	40	41	42	42	42
65.0	32	32	33	34	35	37	37	38	38
67.5	29	29	29	30	31	32	33	34	34
70.0	25	25	25	26	27	28	29	29	29
72.5	21	22	22	22	23	24	25	25	25
75.0	17	18	18	18	19	20	21	21	21
77.5	14	15	15	15	16	16	17	17	17
80.0	11	11	11	11	12	12	13	13	13
82.5	8	8	8	9	9	9	9	9	9
85.0	5	5	5	5	5	5	6	6	5
87.5	3	3	3	3	3	3	3	3	3
90.0	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	815.96	N.A.	63.60
0-30	1033.83	N.A.	80.50
0-40	1126.29	N.A.	87.70
0-60	1229.94	N.A.	95.80
0-80	1278.34	N.A.	99.60
0-90	1283.59	N.A.	100.00
10-90	945.85	N.A.	73.70
20-40	310.33	N.A.	24.20
20-50	370.00	N.A.	28.80
40-70	134.64	N.A.	10.50
60-80	48.41	N.A.	3.80
70-80	17.41	N.A.	1.40
80-90	5.25	N.A.	0.40
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	1283.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	337.74
10-20	478.22
20-30	217.87
30-40	92.46
40-50	59.67
50-60	43.98
60-70	30.99
70-80	17.41
80-90	5.25
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

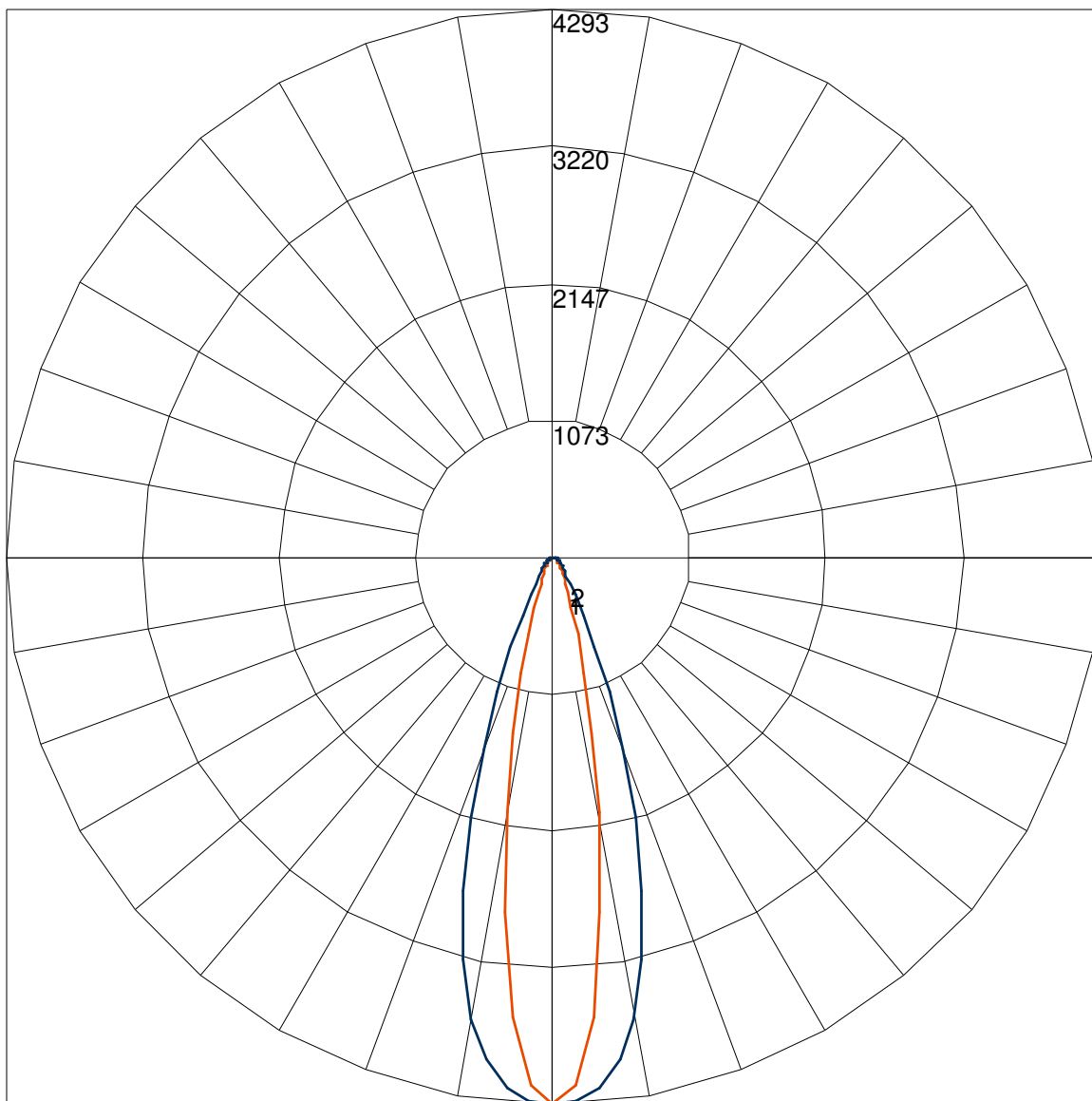
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	100	93	88	84	98	92	87	83	89	85	82	88	84	81	86	83	80	79
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	89	81	75	72	87	80	75	71	79	74	71	78	74	71	77	73	70	69
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

POLAR GRAPH



Maximum Candela = 4293 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)