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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-10X10-UNVE12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 80168236-1
[TESTLAB] CSA Group
[ISSUEDATE] 5/4/2023
[MANUFAC] Tempo LLC
[LUMCAT] C6C-10X10-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	1374
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	12.14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.26
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	9047	9235	9424
55	7435	9759	9759
65	6622	14506	13875
75	6179	11328	16477
85	3058	3058	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	13468	13468	13468	13468	13468	13468	13468	13468	13468	13468
2.5	12122	12123	12121	12138	12131	12187	12216	12250	12261	12261
5.0	9455	9464	9474	9452	9498	9451	9506	9495	9469	9480
7.5	5991	5994	6032	6067	6122	6135	6181	6167	6195	6129
10.0	3578	3571	3582	3612	3619	3609	3607	3606	3559	3545
12.5	2150	2151	2144	2146	2143	2135	2121	2105	2069	2043
15.0	1313	1305	1305	1299	1292	1284	1268	1245	1208	1186
17.5	780	779	778	776	777	776	763	746	720	699
20.0	447	448	446	451	454	455	447	441	427	411
22.5	286	284	284	289	295	300	299	293	283	274
25.0	204	203	203	209	215	218	217	213	209	202
27.5	151	151	151	156	162	164	163	161	159	156
30.0	119	120	122	129	133	134	135	134	132	130
32.5	91	93	100	114	125	127	126	125	124	122
35.0	78	86	99	109	114	115	115	117	116	115
37.5	70	78	81	82	89	95	97	98	98	98
40.0	65	63	62	62	65	67	70	70	70	70
42.5	55	54	52	52	53	54	54	54	55	55
45.0	48	47	46	47	48	48	49	49	49	49
47.5	43	42	42	44	44	45	46	47	47	47
50.0	39	39	39	40	42	42	43	44	44	44
52.5	37	36	37	39	40	41	42	42	43	43
55.0	32	32	33	36	38	40	40	41	41	42
57.5	29	29	29	33	36	39	39	40	41	41
60.0	26	25	26	30	32	35	38	40	41	42
62.5	24	23	25	29	32	34	36	40	42	44
65.0	21	21	23	30	34	35	36	39	43	46
67.5	19	19	22	31	36	37	37	39	42	45
70.0	17	17	20	29	34	36	36	38	38	40
72.5	15	15	17	25	29	30	30	32	31	32
75.0	12	12	13	18	21	21	22	22	22	22
77.5	10	10	10	12	14	14	14	15	14	14
80.0	7	7	7	8	8	8	8	8	8	8
82.5	3	3	3	3	4	4	4	4	4	4
85.0	2	2	2	2	2	2	2	2	2	2
87.5	1	2	1	2	2	2	2	2	2	2
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	13468	13468	13468	13468	13468	13468	13468	13468	13468
2.5	12271	12368	12344	12345	12310	12308	12271	12235	11862
5.0	9409	9350	9250	9244	9123	9040	8999	8957	9138
7.5	6069	6018	5969	5939	5879	5841	5814	5799	5927
10.0	3496	3451	3414	3405	3373	3354	3348	3336	3373
12.5	2001	1974	1949	1922	1905	1903	1891	1895	1917
15.0	1152	1122	1101	1087	1076	1068	1064	1061	1092
17.5	671	652	631	615	595	585	578	571	589
20.0	394	374	354	338	324	315	311	309	312
22.5	260	248	235	227	221	219	219	220	219
25.0	196	190	185	182	181	180	181	183	181
27.5	153	151	150	150	151	152	155	158	158
30.0	129	128	128	128	131	135	139	142	142

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CANDELA TABULATION - (Cont.)

32.5	121	119	119	121	123	126	128	129	129
35.0	113	111	112	112	111	110	108	108	108
37.5	97	97	96	94	90	86	85	84	85
40.0	71	75	77	75	71	68	65	67	69
42.5	56	59	61	61	58	57	56	57	58
45.0	50	50	51	50	50	51	50	50	50
47.5	47	46	46	46	48	49	47	47	46
50.0	44	43	43	43	46	47	45	44	44
52.5	42	41	41	42	45	46	44	43	42
55.0	41	39	39	40	45	45	44	43	42
57.5	40	38	38	39	44	46	46	46	44
60.0	41	38	37	38	45	48	49	48	45
62.5	43	38	37	38	47	51	52	50	46
65.0	46	38	38	38	49	52	52	48	44
67.5	48	38	38	39	51	50	48	46	42
70.0	42	34	35	38	48	44	43	43	41
72.5	33	28	30	33	39	36	37	38	38
75.0	22	18	22	24	28	27	29	31	32
77.5	14	11	14	15	19	20	22	24	26
80.0	8	7	7	8	11	12	14	16	18
82.5	4	4	5	4	5	7	8	9	10
85.0	2	2	2	2	2	3	4	4	5
87.5	2	2	2	2	2	2	2	2	2
90.0	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1069.59	N.A.	77.90
0-30	1167.74	N.A.	85.00
0-40	1232.75	N.A.	89.70
0-60	1308.49	N.A.	95.20
0-80	1370.16	N.A.	99.70
0-90	1373.87	N.A.	100.00
10-90	676.32	N.A.	49.20
20-40	163.15	N.A.	11.90
20-50	202.88	N.A.	14.80
40-70	113.77	N.A.	8.30
60-80	61.67	N.A.	4.50
70-80	23.64	N.A.	1.70
80-90	3.71	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	1373.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	697.55
10-20	372.05
20-30	98.15
30-40	65.00
40-50	39.72
50-60	36.02
60-70	38.03
70-80	23.64
80-90	3.71
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

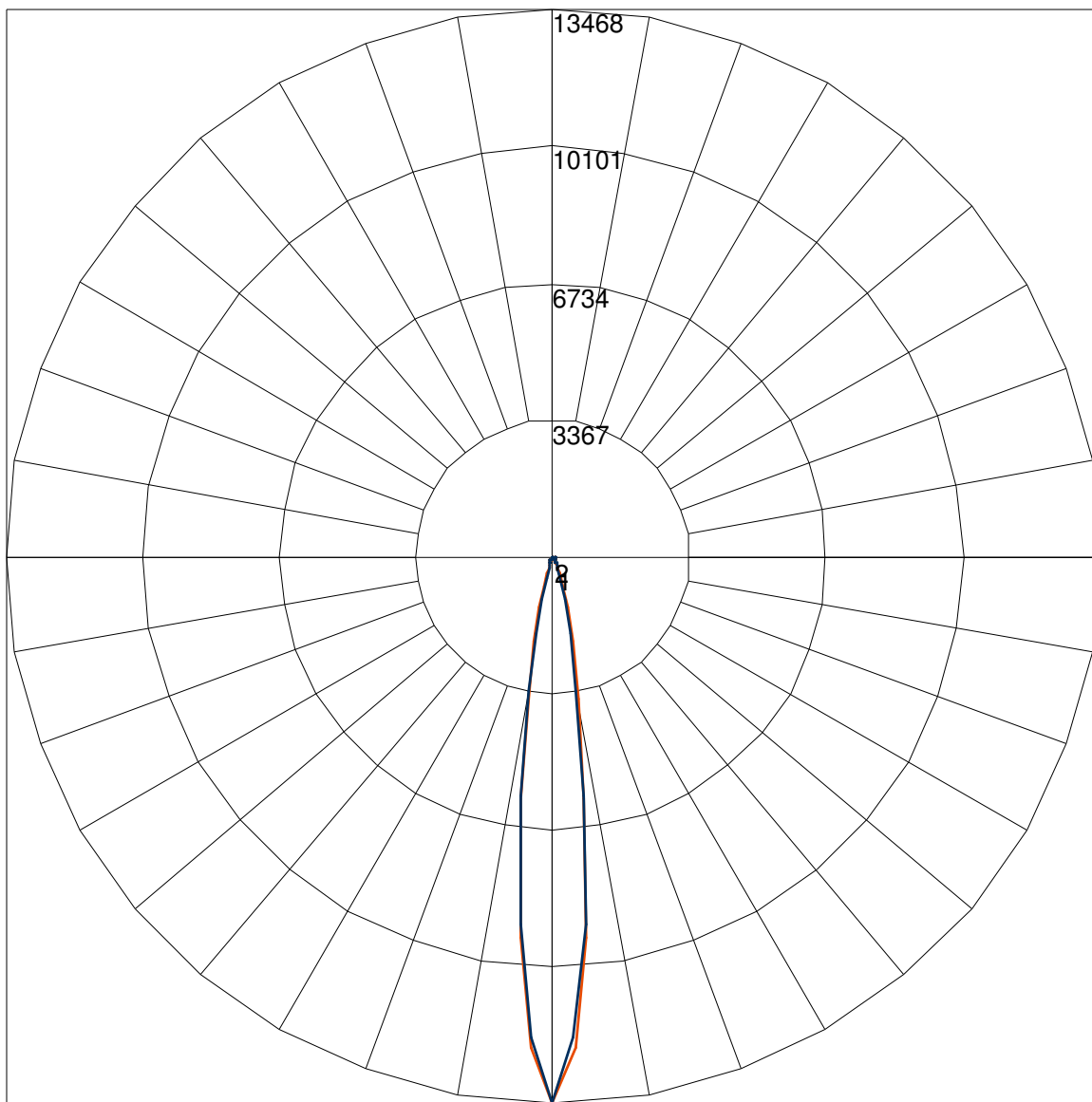
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	95	88	84	81	94	88	84	81	87	83	80	86	82	80	85	82	80	79
8	93	86	82	79	92	85	82	79	85	81	78	84	81	78	83	80	78	77
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
10	89	82	78	76	88	82	78	76	81	78	75	80	77	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 13468 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)