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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-10X60-UNVET12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 80168236-3
[TESTLAB] CSA Group
[ISSUE DATE] 5/4/2023
[MANUFAC] Tempo LLC
[LUMCAT] C6C-10X60-UNVET12-35LG-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	1267
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	12.15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	0.50
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	8858	16585	105167
55	8132	13244	36246
65	6622	11352	22389
75	5149	9783	17507
85	4587	7645	12233

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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	2176	2176	2176	2176	2176	2176	2176	2176	2176	2176
2.5	2110	2108	2109	2107	2111	2120	2125	2133	2138	2142
5.0	1886	1888	1893	1896	1912	1931	1955	1976	2002	2024
7.5	1507	1510	1525	1544	1573	1610	1654	1700	1752	1805
10.0	1115	1116	1128	1152	1191	1236	1296	1359	1439	1520
12.5	786	787	801	826	862	910	969	1040	1126	1223
15.0	538	543	556	575	609	649	704	775	857	956
17.5	371	375	385	403	429	466	512	569	643	736
20.0	259	262	270	283	302	330	370	420	484	563
22.5	192	193	199	209	224	245	274	311	364	433
25.0	148	149	154	161	172	188	209	238	278	333
27.5	121	122	125	131	139	151	167	189	220	263
30.0	101	102	105	110	116	125	138	154	178	212
32.5	86	87	90	94	100	108	118	130	149	176
35.0	74	75	77	81	86	93	101	112	127	148
37.5	64	65	67	70	75	81	89	98	110	128
40.0	56	57	59	62	66	71	78	86	97	111
42.5	51	52	53	55	59	63	69	76	86	99
45.0	47	47	48	51	53	56	61	68	76	88
47.5	44	44	45	47	49	51	55	61	69	79
50.0	40	41	42	43	45	47	50	54	61	70
52.5	38	38	39	40	42	44	46	49	55	63
55.0	35	35	36	37	38	40	42	45	50	57
57.5	32	32	33	34	35	37	39	42	46	51
60.0	28	28	29	31	32	33	35	38	41	46
62.5	25	25	26	27	29	30	32	34	37	41
65.0	21	22	22	24	25	27	28	31	33	36
67.5	19	19	20	21	22	24	25	27	30	32
70.0	15	16	16	17	18	20	22	24	26	28
72.5	13	13	14	15	16	17	19	20	22	24
75.0	10	10	11	12	12	14	15	17	18	19
77.5	9	9	9	9	10	11	12	13	15	16
80.0	6	6	7	7	7	8	9	10	11	12
82.5	5	5	5	5	6	6	7	7	8	8
85.0	3	3	3	3	3	4	4	4	5	5
87.5	2	2	2	2	2	2	3	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	2176	2176	2176	2176	2176	2176	2176	2176	2176
2.5	2148	2158	2158	2166	2169	2171	2175	2181	2151
5.0	2047	2072	2090	2109	2121	2134	2141	2145	2121
7.5	1859	1914	1962	2005	2040	2064	2083	2093	2068
10.0	1610	1698	1781	1860	1924	1972	2008	2022	2005
12.5	1333	1450	1569	1683	1782	1859	1914	1947	1928
15.0	1071	1204	1347	1492	1625	1735	1813	1857	1849
17.5	848	982	1135	1300	1462	1602	1707	1772	1765
20.0	666	793	942	1118	1306	1476	1608	1688	1688
22.5	525	637	784	960	1161	1360	1521	1621	1626
25.0	411	514	648	824	1036	1257	1448	1570	1586
27.5	327	418	543	712	928	1170	1391	1537	1563
30.0	264	341	457	616	832	1090	1338	1511	1542

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CANDELA TABULATION - (Cont.)

32.5	218	283	384	534	743	1007	1276	1463	1506
35.0	182	236	322	460	652	908	1180	1368	1416
37.5	156	200	272	390	557	785	1030	1204	1244
40.0	134	170	228	322	461	640	840	982	1017
42.5	117	146	191	264	366	499	642	749	771
45.0	103	125	160	213	285	375	470	540	558
47.5	91	108	134	172	221	281	339	382	393
50.0	81	94	113	140	173	211	247	274	281
52.5	72	83	97	116	137	162	185	201	206
55.0	64	73	83	97	111	127	142	152	156
57.5	57	64	72	82	92	103	113	121	123
60.0	51	57	63	70	78	86	93	98	100
62.5	45	50	56	61	66	73	78	82	84
65.0	40	44	48	52	57	61	66	70	71
67.5	35	38	42	45	49	52	56	59	60
70.0	30	33	35	38	41	44	47	49	50
72.5	25	27	30	32	34	37	39	41	42
75.0	21	23	24	26	28	30	32	33	34
77.5	17	18	19	20	22	24	25	27	27
80.0	12	13	14	15	16	17	19	19	20
82.5	9	9	10	11	11	12	13	13	14
85.0	5	6	6	6	7	7	7	8	8
87.5	3	3	3	3	4	4	4	4	4
90.0	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	481.88	N.A.	38.00
0-30	754.00	N.A.	59.50
0-40	991.53	N.A.	78.30
0-60	1198.12	N.A.	94.60
0-80	1260.71	N.A.	99.50
0-90	1266.85	N.A.	100.00
10-90	1089.68	N.A.	86.00
20-40	509.65	N.A.	40.20
20-50	648.09	N.A.	51.20
40-70	247.36	N.A.	19.50
60-80	62.59	N.A.	4.90
70-80	21.81	N.A.	1.70
80-90	6.14	N.A.	0.50
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	1266.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.17
10-20	304.71
20-30	272.12
30-40	237.53
40-50	138.44
50-60	68.15
60-70	40.78
70-80	21.81
80-90	6.14
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

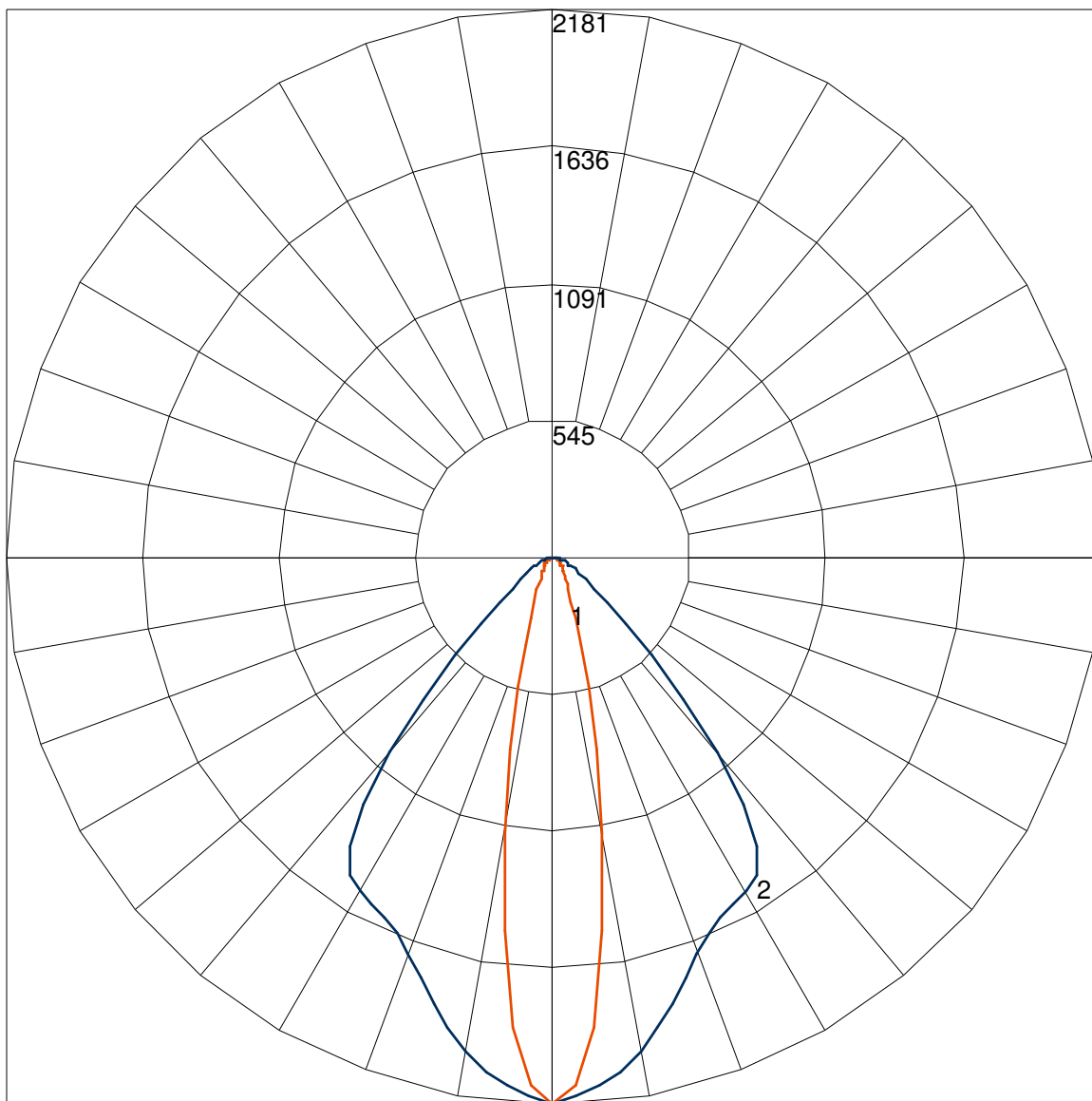
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	80	73	69	87	79	73	68	77	72	68	75	71	67	74	70	66	65
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56
8	76	66	59	55	75	65	59	55	64	59	55	63	58	54	62	57	54	53
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

POLAR GRAPH



Maximum Candela = 2181 Located At Horizontal Angle = 85, Vertical Angle = 2.5

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

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