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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-15X35-UNVE9-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4492
[TESTLAB] Tempo LLC
[ISSUEDATE] 5/9/2023 7:41:00 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-15X35-UNVE9-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.15 VAC, 0.0679 A, 0.9640 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	718
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	8.21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.66
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	13417	16623	22240
55	9782	12946	18295
65	6345	10072	16086
75	3939	7327	12950
85	1529	3425	6361

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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	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89
2.5	1443.50	1437.90	1432.29	1431.91	1431.53	1432.78	1434.03	1436.71	1439.39	1437.89
5.0	1254.40	1252.31	1250.21	1255.86	1261.51	1272.94	1284.36	1297.26	1310.14	1321.22
7.5	1012.28	1013.62	1014.96	1027.46	1039.96	1059.18	1078.40	1103.65	1128.90	1154.42
10.0	780.64	783.74	786.83	801.67	816.51	840.36	864.19	897.61	931.04	967.70
12.5	589.99	594.09	598.18	612.95	627.72	651.48	675.24	709.70	744.16	785.99
15.0	449.80	453.19	456.57	468.97	481.37	502.44	523.50	555.65	587.79	628.73
17.5	348.86	352.16	355.45	365.76	376.07	393.55	411.02	437.26	463.50	499.81
20.0	275.53	278.19	280.84	289.38	297.91	312.24	326.56	348.22	369.87	399.59
22.5	222.82	225.04	227.26	234.12	240.98	252.34	263.69	280.65	297.60	321.50
25.0	184.10	186.18	188.25	194.03	199.81	208.68	217.54	230.15	242.75	261.09
27.5	157.07	158.56	160.05	164.44	168.83	176.04	183.24	192.76	202.27	215.93
30.0	137.17	138.34	139.51	143.02	146.52	151.89	157.25	164.39	171.52	181.96
32.5	122.62	123.49	124.36	126.74	129.12	133.12	137.12	142.64	148.15	156.41
35.0	110.72	111.25	111.78	113.53	115.28	118.26	121.23	125.67	130.10	136.70
37.5	100.06	100.42	100.79	102.07	103.34	105.73	108.11	111.97	115.82	121.29
40.0	90.69	90.82	90.95	91.72	92.48	94.70	96.91	100.37	103.82	108.61
42.5	81.01	81.17	81.32	82.15	82.98	84.90	86.82	90.07	93.31	97.75
45.0	71.19	71.28	71.35	72.44	73.53	75.52	77.50	80.72	83.94	88.20
47.5	63.16	63.04	62.92	63.67	64.41	66.56	68.70	71.98	75.25	79.47
50.0	55.94	55.86	55.76	56.35	56.94	58.63	60.32	63.59	66.85	71.09
52.5	49.06	49.11	49.15	49.78	50.40	51.78	53.16	56.07	58.99	63.21
55.0	42.10	42.44	42.77	43.57	44.36	45.64	46.91	49.36	51.81	55.72
57.5	35.78	36.22	36.64	37.64	38.64	39.85	41.05	43.25	45.45	49.03
60.0	29.73	30.39	31.04	32.11	33.17	34.43	35.69	37.65	39.61	42.86
62.5	24.36	25.14	25.93	27.03	28.13	29.44	30.74	32.58	34.42	37.27
65.0	20.12	20.66	21.20	22.34	23.46	24.81	26.15	27.75	29.35	31.94
67.5	16.11	16.59	17.07	18.13	19.18	20.50	21.82	23.29	24.75	26.98
70.0	12.72	13.17	13.61	14.52	15.43	16.62	17.80	19.15	20.49	22.39
72.5	9.91	10.32	10.72	11.42	12.12	13.19	14.26	15.43	16.60	18.14
75.0	7.65	7.90	8.13	8.71	9.28	10.12	10.95	11.96	12.96	14.23
77.5	5.69	5.83	5.96	6.36	6.74	7.40	8.05	8.90	9.74	10.73
80.0	3.87	3.94	4.01	4.29	4.57	5.07	5.56	6.22	6.87	7.52
82.5	2.45	2.46	2.47	2.63	2.78	3.10	3.41	3.83	4.24	4.73
85.0	1.00	1.08	1.14	1.23	1.30	1.46	1.61	1.78	1.94	2.24
87.5	0.40	0.41	0.42	0.42	0.42	0.48	0.53	0.54	0.55	0.63
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	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89	1482.89
2.5	1436.38	1438.85	1441.30	1444.02	1446.74	1448.36	1449.97	1450.81	1451.65
5.0	1332.29	1347.21	1362.12	1374.03	1385.94	1394.05	1402.16	1405.38	1408.60
7.5	1179.95	1209.51	1239.07	1263.91	1288.74	1306.31	1323.86	1330.64	1337.41
10.0	1004.36	1046.57	1088.77	1127.74	1166.72	1194.82	1222.93	1232.60	1242.27
12.5	827.82	878.70	929.58	978.27	1026.96	1064.90	1102.84	1117.21	1131.58
15.0	669.66	722.05	774.43	830.73	887.03	931.85	976.66	993.55	1010.43
17.5	536.12	586.02	635.92	692.71	749.49	797.82	846.15	865.75	885.36
20.0	429.31	471.98	514.65	568.48	622.31	670.46	718.61	738.45	758.29
22.5	345.39	380.56	415.72	462.27	508.82	552.92	597.02	615.78	634.53
25.0	279.43	307.59	335.74	374.05	412.35	449.23	486.10	502.70	519.29
27.5	229.58	251.17	272.76	303.02	333.27	363.22	393.18	406.10	419.02
30.0	192.39	208.94	225.49	247.86	270.23	293.01	315.79	325.85	335.91

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CANDELA TABULATION - (Cont.)

32.5	164.66	177.00	189.33	205.83	222.32	238.67	255.01	262.29	269.56
35.0	143.30	152.84	162.38	174.21	186.03	197.49	208.93	213.74	218.54
37.5	126.74	134.31	141.88	150.50	159.10	166.91	174.70	177.99	181.28
40.0	113.40	119.50	125.59	132.12	138.65	144.20	149.75	151.71	153.68
42.5	102.18	107.44	112.70	117.60	122.50	126.56	130.60	131.97	133.35
45.0	92.46	97.03	101.60	105.67	109.73	112.77	115.80	116.90	118.00
47.5	83.69	87.87	92.05	95.54	99.02	101.56	104.10	104.80	105.49
50.0	75.32	79.40	83.48	86.60	89.73	91.95	94.16	94.80	95.45
52.5	67.41	71.39	75.35	78.38	81.40	83.50	85.58	86.13	86.67
55.0	59.63	63.80	67.97	70.83	73.68	75.61	77.54	78.14	78.74
57.5	52.60	56.59	60.57	63.51	66.44	68.41	70.37	70.94	71.51
60.0	46.11	49.82	53.52	56.43	59.34	61.31	63.28	64.03	64.78
62.5	40.11	43.54	46.97	49.81	52.64	54.55	56.46	56.99	57.52
65.0	34.52	37.62	40.72	43.31	45.91	47.83	49.75	50.38	51.01
67.5	29.21	31.96	34.72	37.16	39.59	41.38	43.16	43.71	44.25
70.0	24.29	26.75	29.21	31.29	33.38	35.03	36.68	37.24	37.79
72.5	19.68	21.76	23.84	25.70	27.54	28.95	30.37	30.88	31.39
75.0	15.49	17.26	19.03	20.56	22.09	23.24	24.38	24.77	25.15
77.5	11.72	13.06	14.39	15.64	16.89	17.76	18.61	19.00	19.39
80.0	8.16	9.15	10.14	11.08	12.01	12.64	13.26	13.46	13.66
82.5	5.22	5.74	6.26	6.89	7.52	7.95	8.37	8.54	8.72
85.0	2.54	2.81	3.07	3.36	3.64	3.91	4.17	4.17	4.16
87.5	0.71	0.78	0.83	0.89	0.94	0.91	0.88	0.90	0.91
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	304.29	N.A.	42.40
0-30	445.43	N.A.	62.00
0-40	540.75	N.A.	75.30
0-60	664.18	N.A.	92.50
0-80	714.61	N.A.	99.50
0-90	717.95	N.A.	100.00
10-90	602.45	N.A.	83.90
20-40	236.46	N.A.	32.90
20-50	307.46	N.A.	42.80
40-70	157.35	N.A.	21.90
60-80	50.43	N.A.	7.00
70-80	16.51	N.A.	2.30
80-90	3.34	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	717.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.50
10-20	188.79
20-30	141.14
30-40	95.32
40-50	71.00
50-60	52.43
60-70	33.92
70-80	16.51
80-90	3.34
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

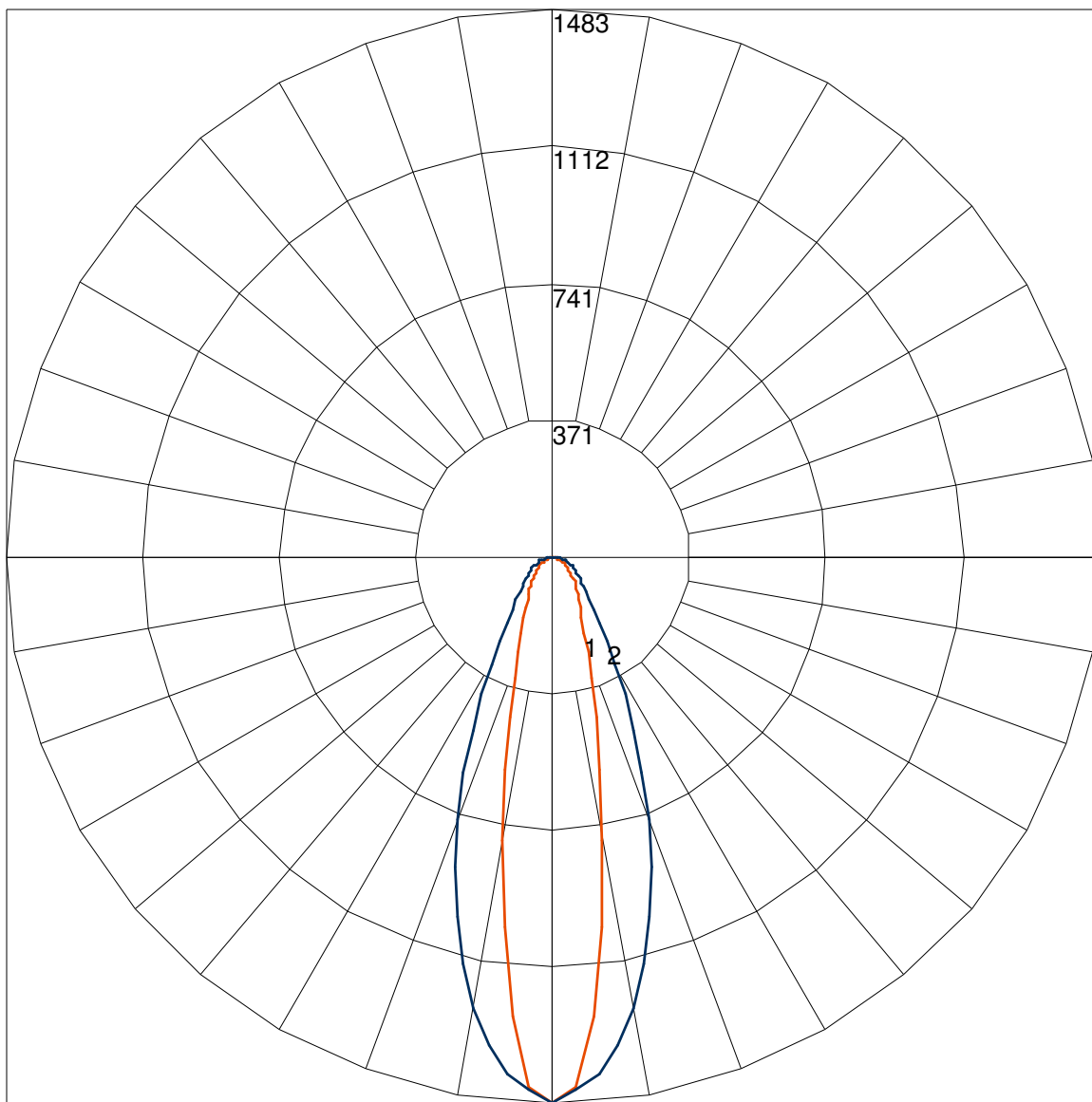
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	100	92	86	82	97	91	85	81	88	84	80	86	82	79	83	80	77	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70
5	89	80	73	68	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	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	63	57	53	72	62	57	53	62	56	52	61	56	52	60	55	52	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	50	57	53	49	48

POLAR GRAPH



Maximum Candela = 1482.89 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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