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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X45-UNVE12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4454
[TESTLAB] Tempo LLC
[ISSUEDATE] 4/6/2023 2:32:37 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X45-UNVE12-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.02 VAC, 0.1024 A, 0.9898 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	968
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	12.3
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	17854	22147	29616
55	12716	17161	24315
65	7956	13134	21333
75	4763	9500	17414
85	2141	4450	8884

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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	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99
2.5	1958.47	1949.93	1941.38	1941.40	1941.41	1944.94	1948.46	1952.80	1957.14	1961.85
5.0	1702.15	1699.93	1697.70	1705.99	1714.27	1728.20	1742.12	1760.64	1779.15	1800.62
7.5	1370.24	1374.08	1377.92	1394.40	1410.87	1437.35	1463.81	1498.53	1533.24	1572.51
10.0	1056.20	1062.44	1068.68	1089.10	1109.53	1141.59	1173.65	1218.99	1264.32	1317.60
12.5	799.71	807.10	814.48	833.78	853.08	885.20	917.32	964.00	1010.68	1070.15
15.0	607.49	613.67	619.84	636.89	653.93	682.37	710.81	754.22	797.64	855.60
17.5	469.25	474.87	480.50	494.61	508.71	531.91	555.11	591.44	627.77	678.99
20.0	368.94	373.25	377.56	389.31	401.06	420.75	440.44	470.40	500.36	542.47
22.5	297.39	301.29	305.17	314.57	323.96	339.12	354.26	377.73	401.19	435.10
25.0	245.61	249.05	252.48	260.20	267.92	280.05	292.18	309.55	326.92	352.80
27.5	207.96	210.69	213.40	219.90	226.39	235.92	245.46	258.73	272.00	291.21
30.0	181.73	183.77	185.81	190.71	195.61	203.07	210.52	220.25	229.97	244.72
32.5	161.84	163.29	164.74	168.32	171.90	177.61	183.32	191.02	198.72	210.11
35.0	146.43	147.43	148.43	151.00	153.56	157.63	161.70	167.91	174.11	183.18
37.5	132.29	133.03	133.76	135.55	137.34	140.57	143.80	149.20	154.61	162.14
40.0	119.54	119.83	120.11	121.54	122.96	125.88	128.80	133.46	138.13	144.82
42.5	107.34	107.53	107.71	108.75	109.79	112.55	115.31	119.82	124.31	130.34
45.0	94.73	94.79	94.84	96.26	97.67	100.13	102.58	107.17	111.75	117.51
47.5	83.17	83.22	83.27	84.19	85.12	88.11	91.10	95.39	99.67	105.44
50.0	73.46	73.46	73.46	74.19	74.92	77.35	79.77	84.33	88.88	94.51
52.5	64.26	64.38	64.49	65.21	65.93	67.93	69.93	74.03	78.13	83.81
55.0	54.73	55.17	55.61	56.67	57.73	59.51	61.29	64.78	68.26	73.86
57.5	46.52	47.18	47.83	48.91	49.98	51.72	53.46	56.60	59.73	64.63
60.0	38.50	39.32	40.13	41.54	42.95	44.70	46.45	49.10	51.73	56.19
62.5	31.36	32.20	33.04	34.66	36.27	38.03	39.78	42.29	44.79	48.67
65.0	25.23	26.06	26.89	28.53	30.17	31.89	33.60	35.87	38.13	41.65
67.5	19.99	20.73	21.47	22.95	24.42	26.07	27.71	29.93	32.14	35.22
70.0	15.62	16.29	16.95	18.23	19.52	21.10	22.69	24.54	26.39	29.02
72.5	12.37	12.76	13.15	14.18	15.21	16.64	18.06	19.67	21.28	23.52
75.0	9.25	9.59	9.92	10.73	11.53	12.76	13.99	15.31	16.63	18.45
77.5	6.82	7.06	7.31	7.85	8.39	9.25	10.11	11.17	12.22	13.64
80.0	4.72	4.84	4.95	5.33	5.69	6.29	6.89	7.70	8.51	9.51
82.5	2.90	2.99	3.08	3.29	3.48	3.86	4.24	4.73	5.20	5.87
85.0	1.40	1.36	1.31	1.46	1.60	1.78	1.95	2.22	2.50	2.91
87.5	0.52	0.52	0.52	0.57	0.62	0.63	0.63	0.72	0.80	0.84
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	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99	2022.99
2.5	1966.56	1969.21	1971.85	1975.23	1978.62	1980.92	1983.21	1995.86	2008.51
5.0	1822.09	1842.37	1862.65	1879.56	1896.46	1906.01	1915.54	1930.14	1944.73
7.5	1611.78	1651.47	1691.17	1725.65	1760.13	1783.29	1806.44	1825.45	1844.46
10.0	1370.88	1427.50	1484.12	1536.88	1589.64	1626.72	1663.79	1687.43	1711.08
12.5	1129.61	1198.24	1266.86	1334.55	1402.23	1451.81	1501.39	1528.17	1554.95
15.0	913.56	984.67	1055.79	1132.15	1208.50	1268.66	1328.82	1359.20	1389.59
17.5	730.20	798.69	867.16	945.88	1024.60	1090.63	1156.65	1187.09	1217.51
20.0	584.56	643.33	702.09	776.24	850.39	917.29	984.19	1015.12	1046.04
22.5	469.01	518.21	567.41	631.89	696.36	757.90	819.43	847.01	874.58
25.0	378.68	418.19	457.70	510.87	564.04	616.22	668.39	691.60	714.81
27.5	310.42	340.78	371.14	413.12	455.09	497.43	539.77	558.70	577.63
30.0	259.46	282.42	305.37	336.92	368.48	400.32	432.16	446.28	460.40

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32.5	221.50	238.38	255.24	278.15	301.05	323.98	346.89	357.07	367.23
35.0	192.25	205.39	218.52	235.07	251.62	267.27	282.90	289.18	295.45
37.5	169.67	179.94	190.22	201.96	213.70	224.61	235.51	239.76	244.00
40.0	151.52	159.81	168.10	177.01	185.93	193.47	201.00	203.53	206.06
42.5	136.36	143.35	150.34	157.19	164.05	169.46	174.87	176.44	177.99
45.0	123.27	129.45	135.63	141.06	146.49	150.62	154.74	155.94	157.14
47.5	111.20	117.07	122.94	127.73	132.51	135.64	138.76	139.47	140.17
50.0	100.13	105.61	111.08	115.26	119.44	122.30	125.15	125.87	126.59
52.5	89.50	94.95	100.39	104.34	108.29	110.88	113.46	114.16	114.85
55.0	79.44	84.86	90.28	94.24	98.20	100.56	102.91	103.78	104.65
57.5	69.53	75.15	80.78	84.58	88.37	90.84	93.31	94.22	95.12
60.0	60.66	66.01	71.36	75.26	79.15	81.63	84.10	84.94	85.77
62.5	52.55	57.44	62.33	66.22	70.11	72.58	75.05	76.03	77.00
65.0	45.18	49.47	53.76	57.62	61.46	63.81	66.16	66.91	67.65
67.5	38.29	42.09	45.88	49.21	52.54	54.99	57.43	58.21	58.99
70.0	31.65	35.14	38.62	41.55	44.47	46.75	49.02	49.76	50.49
72.5	25.76	28.54	31.31	33.94	36.57	38.51	40.46	41.25	42.05
75.0	20.26	22.54	24.81	26.98	29.14	30.78	32.42	33.13	33.82
77.5	15.06	16.96	18.85	20.53	22.21	23.53	24.83	25.27	25.70
80.0	10.52	11.96	13.39	14.66	15.92	16.85	17.79	18.15	18.51
82.5	6.52	7.47	8.43	9.23	10.04	10.66	11.28	11.46	11.64
85.0	3.32	3.70	4.08	4.54	4.99	5.29	5.59	5.70	5.81
87.5	0.88	1.00	1.12	1.23	1.34	1.30	1.25	1.32	1.37
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	414.46	N.A.	42.80
0-30	606.20	N.A.	62.60
0-40	734.21	N.A.	75.80
0-60	898.00	N.A.	92.70
0-80	963.95	N.A.	99.60
0-90	968.31	N.A.	100.00
10-90	810.90	N.A.	83.70
20-40	319.74	N.A.	33.00
20-50	414.25	N.A.	42.80
40-70	208.27	N.A.	21.50
60-80	65.95	N.A.	6.80
70-80	21.47	N.A.	2.20
80-90	4.36	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	968.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	157.40
10-20	257.06
20-30	191.73
30-40	128.01
40-50	94.51
50-60	69.28
60-70	44.48
70-80	21.47
80-90	4.36
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

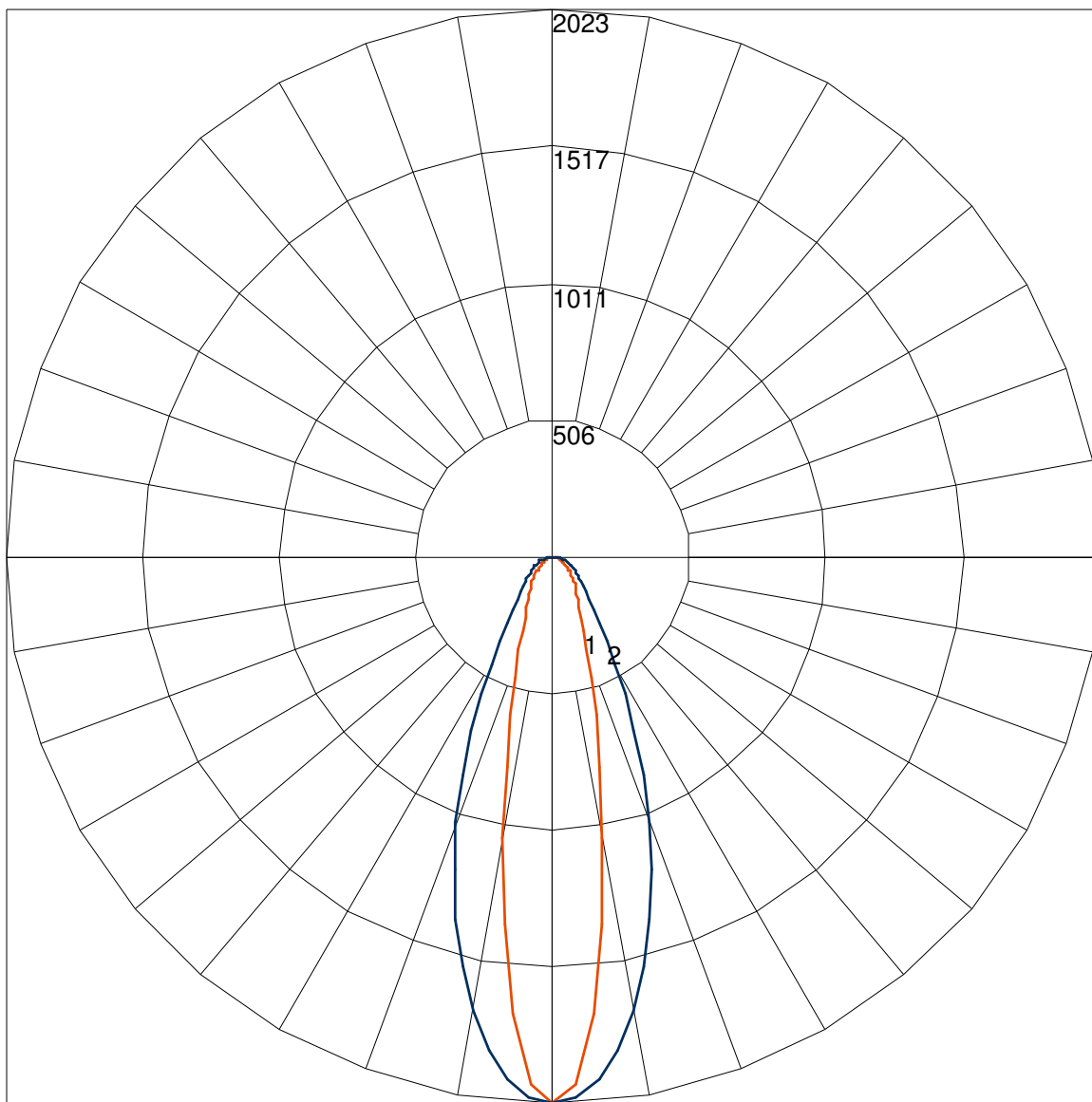
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	96	96	94	93	91
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	83	80	78	76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	80	74	69	87	79	73	68	77	72	68	75	71	67	74	70	67	65
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	81	71	64	60	79	70	64	60	69	63	59	67	62	59	66	62	59	57
8	77	67	60	56	76	66	60	56	65	60	56	64	59	55	63	59	55	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	53	60	56	52	51
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	57	53	50	48

POLAR GRAPH



Maximum Candela = 2022.99 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)