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## IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X45-UNVE9-35LG-1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 4490  
[TESTLAB] Tempo LLC  
[ISSUEDATE] 5/8/2023 2:07:19 PM  
[MANUFAC] Tempo LLC  
[LUMCAT] C6C-25X45-UNVE9-35LG-1  
[LUMINAIRE] Light gray aluminum housing with lens  
[LAMP] Sixteen (16) white LEDs (3500K) with optics  
[ELECTRICALS] 120.14 VAC, 0.0683 A, 0.9640 PF

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	731
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	8.21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
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	13419	16793	22628
55	9759	13039	18560
65	6193	10056	16130
75	3888	7193	13146
85	1758	3379	6453

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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>
<b>0.0</b>	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48
<b>2.5</b>	1441.18	1439.83	1438.47	1438.40	1438.33	1440.53	1442.72	1444.68	1446.62	1449.59
<b>5.0</b>	1263.62	1265.20	1266.76	1273.22	1279.67	1289.41	1299.13	1311.96	1324.79	1338.93
<b>7.5</b>	1032.63	1036.20	1039.77	1051.68	1063.58	1082.29	1100.99	1125.75	1150.50	1178.15
<b>10.0</b>	806.08	811.36	816.63	831.25	845.86	869.09	892.31	924.86	957.40	995.46
<b>12.5</b>	615.04	620.77	626.49	641.28	656.06	680.09	704.11	738.13	772.13	815.49
<b>15.0</b>	471.94	476.26	480.58	493.33	506.07	527.36	548.64	580.78	612.92	655.53
<b>17.5</b>	365.48	369.39	373.30	384.28	395.24	413.24	431.23	458.21	485.18	522.57
<b>20.0</b>	287.85	290.82	293.79	302.84	311.89	326.80	341.72	364.26	386.79	417.89
<b>22.5</b>	231.20	233.80	236.40	243.69	250.98	262.89	274.81	292.60	310.39	335.12
<b>25.0</b>	190.45	192.71	194.96	200.81	206.66	216.09	225.52	238.98	252.44	271.13
<b>27.5</b>	161.07	162.86	164.64	169.26	173.87	181.30	188.72	198.68	208.63	222.72
<b>30.0</b>	140.26	141.49	142.73	146.33	149.92	155.39	160.86	168.40	175.93	186.63
<b>32.5</b>	124.53	125.45	126.37	128.88	131.39	135.46	139.52	145.38	151.23	159.67
<b>35.0</b>	111.71	112.31	112.89	114.86	116.82	119.78	122.73	127.53	132.33	139.08
<b>37.5</b>	100.80	101.16	101.52	103.01	104.49	106.89	109.29	113.29	117.28	123.04
<b>40.0</b>	91.31	91.50	91.68	92.58	93.48	95.60	97.72	101.41	105.09	109.98
<b>42.5</b>	81.16	81.53	81.90	82.82	83.75	85.66	87.57	90.98	94.39	98.92
<b>45.0</b>	71.20	71.42	71.63	72.77	73.91	76.17	78.43	81.65	84.88	89.10
<b>47.5</b>	63.45	63.36	63.27	64.02	64.77	66.84	68.92	72.43	75.93	80.13
<b>50.0</b>	56.10	56.02	55.95	56.61	57.27	59.02	60.75	64.05	67.34	71.61
<b>52.5</b>	48.79	48.98	49.16	49.84	50.52	52.06	53.60	56.58	59.55	63.60
<b>55.0</b>	42.00	42.31	42.62	43.46	44.30	45.66	47.02	49.67	52.33	56.12
<b>57.5</b>	35.69	36.16	36.63	37.52	38.40	39.78	41.15	43.44	45.72	49.34
<b>60.0</b>	29.75	30.37	30.99	31.95	32.89	34.29	35.69	37.82	39.95	43.18
<b>62.5</b>	24.31	24.94	25.57	26.82	28.06	29.36	30.65	32.52	34.39	37.33
<b>65.0</b>	19.64	20.24	20.84	22.07	23.29	24.62	25.95	27.62	29.30	31.89
<b>67.5</b>	15.87	16.33	16.78	17.89	18.99	20.27	21.55	23.10	24.65	26.91
<b>70.0</b>	12.73	13.07	13.41	14.35	15.27	16.40	17.52	18.98	20.42	22.31
<b>72.5</b>	9.88	10.19	10.50	11.20	11.89	12.95	14.02	15.18	16.34	17.97
<b>75.0</b>	7.55	7.82	8.08	8.59	9.09	9.87	10.64	11.67	12.69	13.97
<b>77.5</b>	5.58	5.73	5.87	6.27	6.67	7.27	7.87	8.68	9.48	10.45
<b>80.0</b>	3.75	4.00	4.24	4.39	4.54	4.95	5.36	5.99	6.63	7.37
<b>82.5</b>	2.32	2.43	2.55	2.66	2.77	2.99	3.22	3.61	3.99	4.53
<b>85.0</b>	1.15	1.14	1.13	1.28	1.42	1.51	1.60	1.79	1.97	2.21
<b>87.5</b>	0.40	0.42	0.44	0.43	0.42	0.47	0.52	0.53	0.53	0.60
<b>90.0</b>	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>
<b>0.0</b>	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48	1492.48
<b>2.5</b>	1452.57	1455.94	1459.32	1461.75	1464.17	1465.65	1467.12	1467.61	1468.09
<b>5.0</b>	1353.05	1367.34	1381.62	1393.30	1404.97	1412.83	1420.68	1423.87	1427.06
<b>7.5</b>	1205.80	1234.14	1262.47	1287.39	1312.32	1329.35	1346.39	1352.42	1358.46
<b>10.0</b>	1033.52	1074.98	1116.43	1153.74	1191.04	1218.14	1245.23	1254.60	1263.96
<b>12.5</b>	858.83	908.30	957.76	1005.07	1052.37	1088.14	1123.90	1137.30	1150.69
<b>15.0</b>	698.14	750.01	801.88	854.75	907.63	949.68	991.73	1007.33	1022.93
<b>17.5</b>	559.95	609.07	658.19	711.76	765.33	810.25	855.16	872.10	889.04
<b>20.0</b>	448.98	490.57	532.14	582.15	632.15	676.28	720.39	737.71	755.03
<b>22.5</b>	359.85	394.69	429.53	472.27	515.00	555.07	595.14	611.18	627.22
<b>25.0</b>	289.81	317.75	345.67	381.89	418.11	451.60	485.08	498.60	512.12
<b>27.5</b>	236.81	258.40	279.98	308.50	337.01	364.51	391.99	403.13	414.27
<b>30.0</b>	197.32	213.68	230.04	251.68	273.32	294.12	314.91	323.53	332.15

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	168.10	180.50	192.90	208.88	224.86	240.02	255.17	261.38	267.57
<b>35.0</b>	145.83	155.37	164.90	176.56	188.21	199.03	209.84	214.05	218.27
<b>37.5</b>	128.79	136.18	143.57	152.17	160.77	168.54	176.31	179.30	182.28
<b>40.0</b>	114.87	120.94	127.01	133.48	139.95	145.79	151.63	153.65	155.66
<b>42.5</b>	103.45	108.52	113.59	118.86	124.12	128.40	132.68	134.11	135.52
<b>45.0</b>	93.32	97.91	102.51	106.81	111.10	114.40	117.69	118.87	120.06
<b>47.5</b>	84.32	88.61	92.89	96.63	100.37	103.12	105.87	106.66	107.44
<b>50.0</b>	75.87	80.01	84.14	87.62	91.09	93.35	95.60	96.26	96.92
<b>52.5</b>	67.66	71.79	75.93	79.17	82.41	84.62	86.83	87.26	87.69
<b>55.0</b>	59.90	64.11	68.31	71.42	74.52	76.65	78.77	79.33	79.88
<b>57.5</b>	52.95	57.05	61.14	64.13	67.12	69.19	71.25	71.88	72.49
<b>60.0</b>	46.41	50.17	53.92	56.94	59.95	61.94	63.94	64.58	65.22
<b>62.5</b>	40.25	43.65	47.04	49.95	52.85	54.97	57.08	57.60	58.13
<b>65.0</b>	34.47	37.64	40.81	43.56	46.29	48.32	50.33	50.75	51.15
<b>67.5</b>	29.17	32.01	34.84	37.32	39.80	41.65	43.49	44.00	44.52
<b>70.0</b>	24.19	26.74	29.27	31.44	33.60	35.25	36.89	37.46	38.03
<b>72.5</b>	19.58	21.73	23.87	25.71	27.54	29.05	30.56	31.07	31.57
<b>75.0</b>	15.25	17.01	18.76	20.41	22.05	23.30	24.55	25.04	25.53
<b>77.5</b>	11.42	12.84	14.25	15.47	16.68	17.63	18.57	18.96	19.35
<b>80.0</b>	8.11	9.06	10.01	10.96	11.90	12.55	13.20	13.46	13.72
<b>82.5</b>	5.06	5.70	6.33	6.93	7.53	7.92	8.31	8.46	8.61
<b>85.0</b>	2.44	2.79	3.13	3.39	3.65	3.86	4.06	4.14	4.22
<b>87.5</b>	0.66	0.72	0.78	0.81	0.84	0.89	0.93	0.93	0.93
<b>90.0</b>	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	312.21	N.A.	42.70
0-30	456.31	N.A.	62.40
0-40	552.75	N.A.	75.60
0-60	677.30	N.A.	92.70
0-80	727.67	N.A.	99.50
0-90	730.98	N.A.	100.00
10-90	613.51	N.A.	83.90
20-40	240.53	N.A.	32.90
20-50	312.27	N.A.	42.70
40-70	158.52	N.A.	21.70
60-80	50.37	N.A.	6.90
70-80	16.40	N.A.	2.20
80-90	3.31	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	730.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	117.47
10-20	194.75
20-30	144.09
30-40	96.44
40-50	71.74
50-60	52.82
60-70	33.97
70-80	16.40
80-90	3.31
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

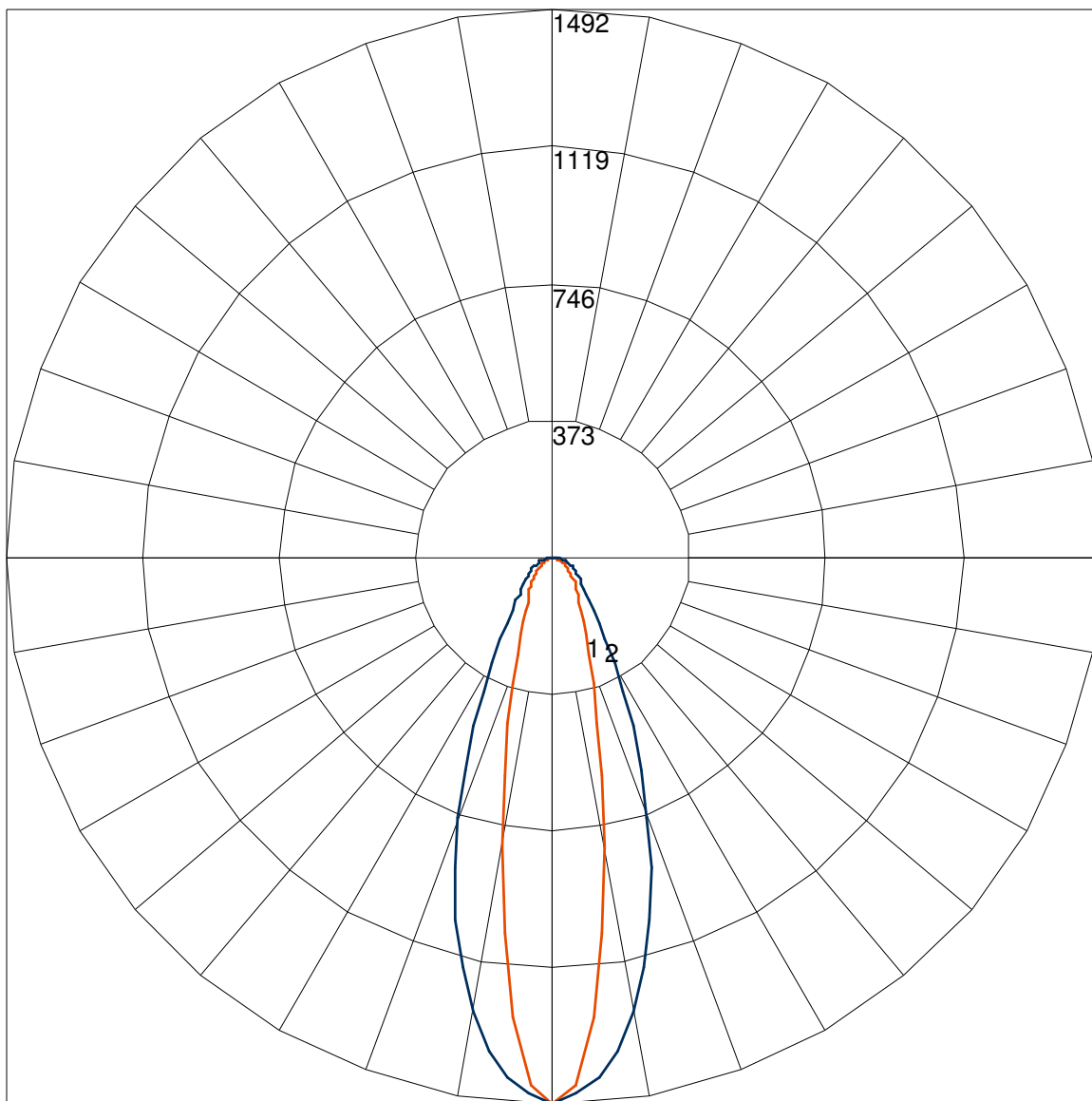
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	89	80	73	69	87	79	73	68	77	72	68	75	71	67	74	70	66	65
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61
7	80	70	64	60	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	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 = 1492.48 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)