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## IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X75-UNVET9-35LG-1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 4520  
[TESTLAB] Tempo LLC  
[ISSUEDATE] 7/6/2023 9:54:31 AM  
[MANUFAC] Tempo LLC  
[LUMCAT] C6C-25X75-UNVET9-35LG-1  
[LUMINAIRE] Light gray aluminum housing with lens  
[LAMP] Sixteen (16) white LEDs (3500K) with optics  
[ELECTRICALS] 120.06 VAC, 0.0692 A, 0.9652 PF

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	706
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	8.31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	0.66
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	9505	20019	53151
55	7554	15544	31583
65	5887	12664	23357
75	4155	8841	16086
85	1422	2202	3486

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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>	752.05	752.05	752.05	752.05	752.05	752.05	752.05	752.05	752.05	752.05
<b>2.5</b>	728.99	726.54	724.51	723.19	723.35	722.58	724.59	726.05	727.07	728.20
<b>5.0</b>	664.88	663.58	662.53	663.73	667.23	669.67	673.96	679.52	687.00	693.39
<b>7.5</b>	572.98	572.91	573.20	577.72	584.72	591.66	601.40	611.69	626.13	640.37
<b>10.0</b>	473.40	474.28	475.63	482.93	492.54	503.48	517.55	533.30	553.15	574.10
<b>12.5</b>	383.13	384.46	386.30	395.01	405.65	418.74	434.94	454.23	477.68	503.49
<b>15.0</b>	309.98	311.51	313.47	322.14	332.38	347.23	362.32	382.90	407.51	436.02
<b>17.5</b>	254.87	256.47	258.40	266.24	275.25	288.89	303.04	323.20	347.01	376.11
<b>20.0</b>	215.11	216.59	218.32	224.94	232.45	244.46	257.02	275.48	297.20	325.27
<b>22.5</b>	185.44	186.87	188.49	194.26	200.69	211.22	222.15	238.47	257.51	283.48
<b>25.0</b>	161.38	163.02	164.80	170.03	175.77	185.34	195.23	209.68	226.22	249.51
<b>27.5</b>	141.53	143.21	145.01	149.85	155.09	163.93	172.96	186.19	201.04	221.84
<b>30.0</b>	123.46	125.14	126.95	131.88	137.13	145.35	153.69	166.06	179.67	198.73
<b>32.5</b>	103.67	106.21	108.84	114.19	119.77	128.02	136.36	148.16	160.93	178.98
<b>35.0</b>	87.46	89.50	91.65	97.15	102.89	111.45	120.03	131.78	144.33	161.62
<b>37.5</b>	73.56	75.66	77.85	83.22	88.79	96.96	105.13	116.85	129.26	145.91
<b>40.0</b>	63.46	65.11	66.84	71.39	76.15	83.95	91.73	103.31	115.52	131.65
<b>42.5</b>	56.23	57.59	59.00	62.67	66.52	73.17	79.89	91.13	102.91	118.42
<b>45.0</b>	50.43	51.59	52.81	55.86	59.05	64.58	70.20	80.64	91.54	106.22
<b>47.5</b>	45.40	46.45	47.54	50.18	52.93	57.53	62.24	71.59	81.37	94.94
<b>50.0</b>	40.77	41.80	42.86	45.19	47.61	51.54	55.56	63.76	72.32	84.63
<b>52.5</b>	36.56	37.54	38.55	40.64	42.80	46.29	49.83	56.98	64.42	75.32
<b>55.0</b>	32.51	33.45	34.39	36.34	38.34	41.51	44.72	50.91	57.34	66.90
<b>57.5</b>	28.69	29.58	30.49	32.28	34.11	37.06	40.00	45.48	51.16	59.34
<b>60.0</b>	25.15	25.96	26.79	28.48	30.20	32.88	35.53	40.42	45.45	52.42
<b>62.5</b>	21.84	22.61	23.39	24.89	26.43	28.92	31.39	35.74	40.20	46.06
<b>65.0</b>	18.67	19.36	20.05	21.46	22.90	25.20	27.46	31.33	35.27	40.16
<b>67.5</b>	15.94	16.52	17.10	18.33	19.57	21.69	23.76	27.09	30.48	34.59
<b>70.0</b>	13.54	13.97	14.40	15.43	16.49	18.40	20.25	23.11	26.02	29.42
<b>72.5</b>	11.38	11.73	12.09	12.92	13.77	15.36	16.89	19.34	21.81	24.60
<b>75.0</b>	8.07	8.29	8.51	9.04	9.58	10.69	11.75	13.50	15.26	17.17
<b>77.5</b>	5.45	5.62	5.78	6.08	6.38	7.07	7.71	8.85	9.98	11.22
<b>80.0</b>	3.48	3.57	3.65	3.81	3.98	4.38	4.74	5.35	5.96	6.68
<b>82.5</b>	1.96	2.01	2.05	2.12	2.19	2.39	2.56	2.84	3.12	3.47
<b>85.0</b>	0.93	0.94	0.95	0.98	1.01	1.08	1.14	1.23	1.32	1.44
<b>87.5</b>	0.32	0.32	0.32	0.33	0.34	0.35	0.35	0.37	0.38	0.40
<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>	752.05	752.05	752.05	752.05	752.05	752.05	752.05	752.05	752.05
<b>2.5</b>	729.39	730.61	731.05	731.70	732.34	733.34	733.99	734.29	734.46
<b>5.0</b>	699.12	704.29	710.28	714.43	718.94	721.86	724.67	726.40	727.84
<b>7.5</b>	652.30	664.09	676.83	687.53	697.41	705.45	710.74	714.20	715.88
<b>10.0</b>	593.59	613.12	633.53	652.38	668.24	683.50	691.74	699.21	700.08
<b>12.5</b>	529.48	557.29	584.41	611.15	634.35	656.38	669.45	681.12	682.11
<b>15.0</b>	466.10	499.22	532.68	566.29	597.30	625.65	644.72	659.46	661.91
<b>17.5</b>	407.76	444.08	482.03	521.51	559.68	594.20	619.59	637.48	641.85
<b>20.0</b>	356.35	393.96	434.39	479.15	522.59	563.01	594.93	616.15	622.82
<b>22.5</b>	312.66	349.97	390.89	438.88	487.28	533.50	571.98	596.44	605.62
<b>25.0</b>	276.01	312.02	352.23	402.63	454.97	506.83	552.04	580.10	592.21
<b>27.5</b>	245.48	279.58	318.25	370.16	425.25	482.34	533.87	565.44	580.69
<b>30.0</b>	220.28	252.31	288.82	340.90	396.90	457.91	514.50	549.11	567.49

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**CANDELA TABULATION - (Cont.)**

32.5	199.06	228.57	262.10	312.69	367.53	430.04	489.17	525.12	545.70
35.0	180.48	207.42	237.60	284.55	335.57	396.33	454.52	490.19	510.44
37.5	163.74	188.05	214.78	256.48	301.54	356.75	410.00	442.49	461.46
40.0	148.65	170.29	193.47	228.74	266.38	313.28	358.67	386.01	402.24
42.5	134.53	153.43	173.20	202.09	232.38	269.56	305.54	326.94	339.73
45.0	121.35	137.84	154.70	177.89	201.63	229.43	256.29	272.29	282.01
47.5	108.81	123.21	137.67	156.08	174.50	194.95	214.61	225.80	232.56
50.0	97.14	109.84	122.40	136.82	150.97	165.90	180.14	188.05	192.86
52.5	86.38	97.57	108.53	119.98	130.99	141.85	152.18	157.67	160.98
55.0	76.57	86.47	96.09	105.41	114.25	122.19	129.70	133.60	135.93
57.5	67.60	76.43	85.03	92.69	99.84	105.93	111.69	114.57	116.26
60.0	59.44	67.21	74.72	81.20	87.20	92.04	96.60	98.75	100.00
62.5	51.98	58.75	65.26	70.79	75.88	79.70	83.29	84.95	85.89
65.0	45.07	50.90	56.51	61.28	65.69	68.87	71.88	73.27	74.07
67.5	38.73	43.69	48.44	52.51	56.26	58.95	61.51	62.72	63.43
70.0	32.83	36.97	40.91	44.42	47.64	49.91	52.09	53.14	53.78
72.5	27.42	30.77	33.93	36.86	39.54	41.43	43.27	44.29	44.92
75.0	19.09	21.39	23.56	25.55	27.35	28.71	30.03	30.79	31.24
77.5	12.46	13.91	15.26	16.60	17.80	18.66	19.52	20.04	20.34
80.0	7.41	8.25	9.02	9.82	10.50	11.00	11.48	11.81	11.98
82.5	3.83	4.22	4.56	4.97	5.30	5.54	5.77	5.94	6.01
85.0	1.55	1.68	1.78	1.94	2.05	2.12	2.20	2.26	2.28
87.5	0.42	0.44	0.45	0.47	0.48	0.49	0.49	0.50	0.50
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	191.65	N.A.	27.10
0-30	334.43	N.A.	47.40
0-40	470.44	N.A.	66.60
0-60	640.27	N.A.	90.70
0-80	703.72	N.A.	99.60
0-90	706.23	N.A.	100.00
10-90	643.71	N.A.	91.10
20-40	278.79	N.A.	39.50
20-50	380.57	N.A.	53.90
40-70	213.27	N.A.	30.20
60-80	63.45	N.A.	9.00
70-80	20.01	N.A.	2.80
80-90	2.51	N.A.	0.40
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	706.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	62.52
10-20	129.13
20-30	142.79
30-40	136.00
40-50	101.78
50-60	68.06
60-70	43.43
70-80	20.01
80-90	2.51
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

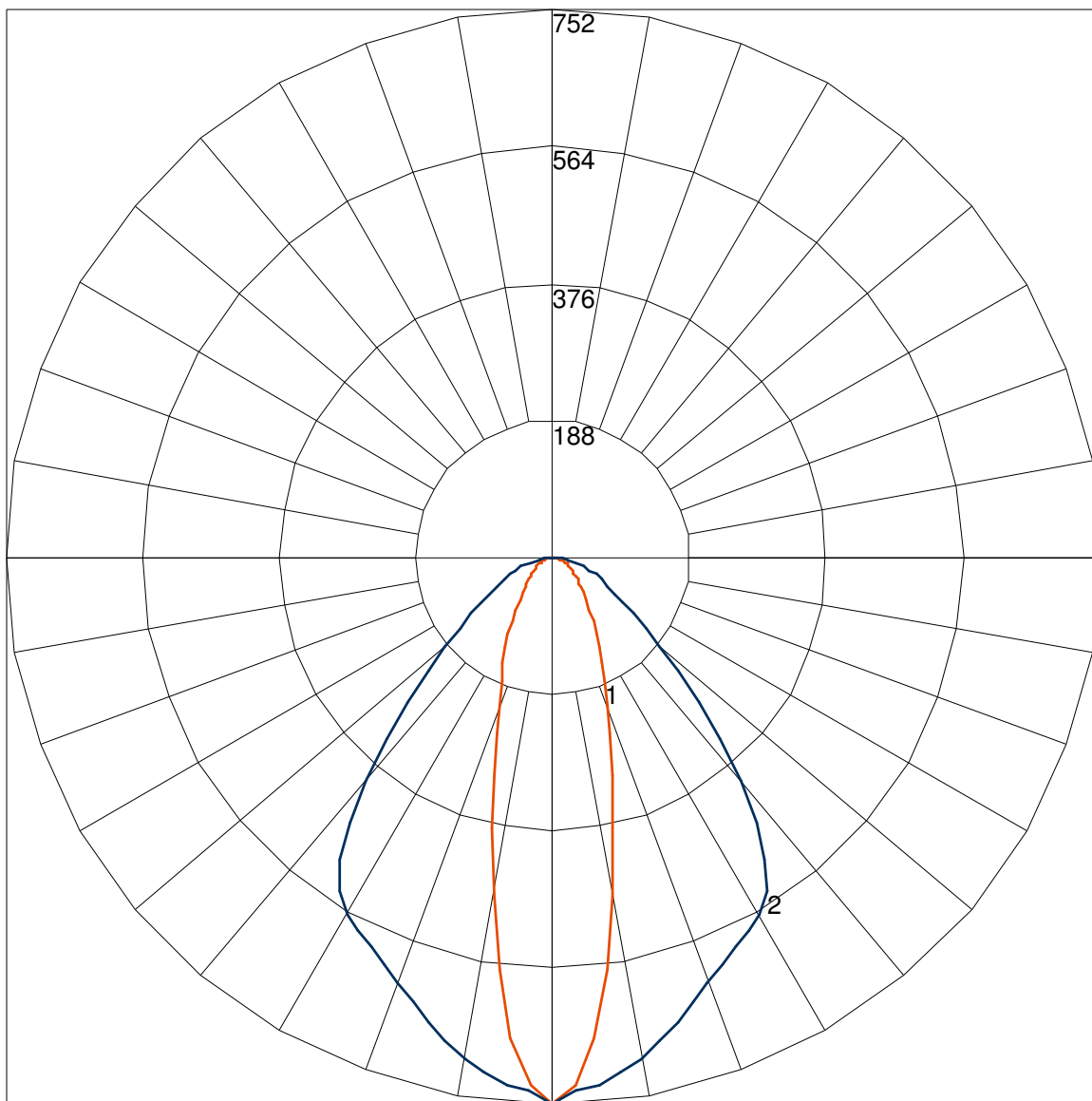
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48
8	70	59	51	46	69	58	51	46	57	51	46	56	50	46	55	49	46	44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38

POLAR GRAPH



Maximum Candela = 752.05 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)