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## IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-55X25-UNVET9-35LG-1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 4523  
[TESTLAB] Tempo LLC  
[ISSUEDATE] 7/6/2023 2:39:37 PM  
[MANUFAC] Tempo LLC  
[LUMCAT] C6C-55X25-UNVET9-35LG-1  
[LUMINAIRE] Light gray aluminum housing with lens  
[LAMP] Sixteen (16) white LEDs (3500K) with optics  
[ELECTRICALS] 120.02 VAC, 0.0694 A, 0.9654 PF

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	8.34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.54
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	19850	18297	16638
55	13430	13964	16020
65	11009	11800	17082
75	7966	8826	10829
85	2324	2737	2814

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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>	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75
<b>2.5</b>	1295.77	1295.71	1295.06	1293.10	1291.31	1289.40	1286.26	1283.07	1279.45	1276.78
<b>5.0</b>	1273.57	1272.24	1269.10	1264.19	1256.32	1246.58	1235.58	1223.46	1211.53	1199.90
<b>7.5</b>	1232.20	1229.56	1224.24	1211.21	1196.11	1176.97	1156.15	1130.56	1103.83	1077.79
<b>10.0</b>	1182.60	1178.44	1168.79	1146.40	1119.14	1087.25	1046.64	1007.37	970.68	932.94
<b>12.5</b>	1106.96	1102.24	1086.26	1063.82	1022.20	976.21	928.73	879.54	831.17	787.51
<b>15.0</b>	999.21	997.27	972.57	944.97	898.38	849.40	796.72	746.93	691.95	645.36
<b>17.5</b>	870.70	865.15	841.68	806.83	762.99	712.22	662.70	614.94	563.05	521.81
<b>20.0</b>	739.43	727.78	711.63	672.86	631.93	585.66	538.76	495.81	452.86	419.40
<b>22.5</b>	596.90	585.89	572.39	540.90	507.69	471.49	433.06	398.43	366.73	341.41
<b>25.0</b>	473.16	465.55	452.06	427.30	400.62	375.86	348.21	323.46	301.68	283.14
<b>27.5</b>	375.05	370.60	360.10	340.85	322.06	302.02	282.69	265.26	251.47	239.22
<b>30.0</b>	303.90	302.72	293.11	279.54	264.70	248.92	234.98	222.25	214.15	205.79
<b>32.5</b>	242.56	242.07	236.60	229.81	221.39	211.15	200.86	191.02	185.28	179.44
<b>35.0</b>	203.42	203.58	199.75	195.99	189.02	181.68	174.60	167.02	162.60	157.93
<b>37.5</b>	160.56	160.26	161.77	163.26	162.27	160.47	153.82	147.22	143.24	139.22
<b>40.0</b>	137.48	137.44	137.26	136.91	137.74	138.33	135.04	130.92	127.05	123.19
<b>42.5</b>	120.68	120.59	119.91	119.32	119.70	119.93	118.21	115.92	112.84	109.48
<b>45.0</b>	105.32	105.36	105.01	104.89	105.07	105.24	104.14	101.83	99.56	97.08
<b>47.5</b>	88.53	88.83	90.04	91.67	92.10	92.12	91.62	90.01	88.19	86.12
<b>50.0</b>	74.95	75.28	76.97	79.24	80.24	80.65	80.65	79.44	78.10	76.37
<b>52.5</b>	65.25	65.52	66.64	68.43	69.81	70.64	70.82	69.86	68.96	67.66
<b>55.0</b>	57.80	57.70	58.43	59.63	61.02	61.96	62.30	61.63	61.02	60.10
<b>57.5</b>	50.60	50.50	51.05	52.21	53.40	54.13	54.56	54.34	54.12	53.63
<b>60.0</b>	44.61	44.55	44.86	45.62	46.68	47.37	47.80	47.79	47.91	47.79
<b>62.5</b>	39.42	39.40	39.49	39.98	40.65	41.30	41.82	41.97	42.27	42.44
<b>65.0</b>	34.91	34.71	34.71	35.08	35.43	35.92	36.42	36.76	37.17	37.42
<b>67.5</b>	30.40	30.26	30.25	30.43	30.59	31.03	31.57	31.97	32.40	32.75
<b>70.0</b>	26.20	26.05	26.03	26.15	26.20	26.57	27.11	27.47	27.92	28.26
<b>72.5</b>	21.96	22.01	22.01	22.07	22.03	22.35	22.76	23.21	23.73	24.03
<b>75.0</b>	15.47	15.46	15.49	15.60	15.60	15.82	16.14	16.44	16.85	17.14
<b>77.5</b>	10.17	10.22	10.29	10.37	10.35	10.50	10.69	10.93	11.19	11.42
<b>80.0</b>	6.26	6.21	6.21	6.27	6.28	6.40	6.55	6.66	6.81	7.01
<b>82.5</b>	3.38	3.36	3.38	3.40	3.38	3.44	3.54	3.60	3.69	3.83
<b>85.0</b>	1.52	1.52	1.54	1.55	1.55	1.59	1.64	1.66	1.71	1.79
<b>87.5</b>	0.51	0.52	0.53	0.53	0.55	0.56	0.57	0.59	0.40	0.44
<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>	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75	1307.75
<b>2.5</b>	1272.62	1269.30	1266.31	1263.99	1262.40	1260.21	1258.35	1260.01	1259.10
<b>5.0</b>	1187.80	1177.95	1162.42	1151.61	1142.78	1136.86	1131.99	1132.39	1128.29
<b>7.5</b>	1055.32	1032.62	1011.16	992.74	974.05	963.01	953.50	953.05	946.79
<b>10.0</b>	896.87	867.65	839.24	815.14	793.53	774.16	763.41	760.06	753.38
<b>12.5</b>	740.51	704.54	675.18	647.15	625.68	605.59	597.98	590.32	584.56
<b>15.0</b>	600.91	564.06	534.02	509.06	490.88	473.61	467.21	460.85	456.31
<b>17.5</b>	482.73	450.68	426.66	406.09	391.96	379.70	374.68	370.18	366.84
<b>20.0</b>	390.05	365.20	348.42	333.30	323.43	315.24	311.60	308.63	306.34
<b>22.5</b>	322.00	303.02	292.10	281.75	275.01	269.54	266.87	264.99	263.59
<b>25.0</b>	269.92	256.79	249.84	243.16	238.23	234.46	232.53	231.07	229.89
<b>27.5</b>	230.54	221.58	216.63	211.67	207.62	204.37	202.47	201.25	200.21
<b>30.0</b>	199.98	193.90	189.36	184.74	181.35	179.09	177.71	176.89	176.23

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	174.84	169.81	166.44	162.60	159.96	158.79	158.34	157.69	157.10
<b>35.0</b>	153.78	149.36	146.73	144.19	142.11	140.41	139.39	138.30	137.25
<b>37.5</b>	135.87	132.52	130.19	127.35	124.60	122.89	121.76	120.96	120.33
<b>40.0</b>	120.48	117.79	115.26	112.34	109.93	109.36	109.39	108.72	108.10
<b>42.5</b>	106.92	104.28	101.88	100.00	98.69	98.13	97.81	97.03	96.38
<b>45.0</b>	94.72	92.52	90.89	89.70	88.59	88.47	88.70	88.44	88.28
<b>47.5</b>	83.99	82.38	81.36	81.11	80.96	81.54	82.55	82.40	82.20
<b>50.0</b>	74.58	73.67	73.31	74.00	75.09	76.05	77.16	77.06	76.88
<b>52.5</b>	66.38	66.30	66.67	67.98	69.73	71.05	72.39	72.37	72.25
<b>55.0</b>	59.28	59.81	60.92	62.70	64.78	66.60	68.38	68.70	68.95
<b>57.5</b>	53.30	54.04	55.58	57.94	60.51	62.94	65.27	65.87	66.40
<b>60.0</b>	47.79	48.82	50.64	53.68	56.83	59.62	62.39	63.04	63.62
<b>62.5</b>	42.70	43.89	45.76	49.52	53.35	56.14	58.83	59.31	59.72
<b>65.0</b>	37.89	39.41	41.50	45.70	49.98	52.19	54.30	54.27	54.17
<b>67.5</b>	33.28	35.07	37.33	41.59	45.91	47.17	48.35	47.82	47.25
<b>70.0</b>	28.89	30.85	33.21	37.18	41.20	41.37	41.44	40.43	39.40
<b>72.5</b>	24.60	26.66	29.04	32.40	35.78	35.02	34.19	32.92	31.64
<b>75.0</b>	17.64	19.27	21.12	23.37	25.64	24.44	23.21	22.12	21.03
<b>77.5</b>	11.79	13.03	14.41	15.72	17.05	15.90	14.70	13.89	13.10
<b>80.0</b>	7.26	8.09	9.02	9.68	10.34	9.44	8.54	7.96	7.41
<b>82.5</b>	4.00	4.45	4.96	5.24	5.54	5.02	4.50	4.18	3.86
<b>85.0</b>	1.89	2.10	2.33	2.43	2.53	2.31	2.08	1.96	1.84
<b>87.5</b>	0.47	0.53	0.61	0.64	0.67	0.61	0.53	0.51	0.49
<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	296.84	N.A.	39.90
0-30	444.88	N.A.	59.80
0-40	548.57	N.A.	73.70
0-60	680.29	N.A.	91.40
0-80	741.58	N.A.	99.60
0-90	744.36	N.A.	100.00
10-90	637.85	N.A.	85.70
20-40	251.74	N.A.	33.80
20-50	327.35	N.A.	44.00
40-70	172.57	N.A.	23.20
60-80	61.28	N.A.	8.20
70-80	20.44	N.A.	2.70
80-90	2.79	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	744.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	106.51
10-20	190.33
20-30	148.04
30-40	103.69
40-50	75.61
50-60	56.11
60-70	40.85
70-80	20.44
80-90	2.79
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

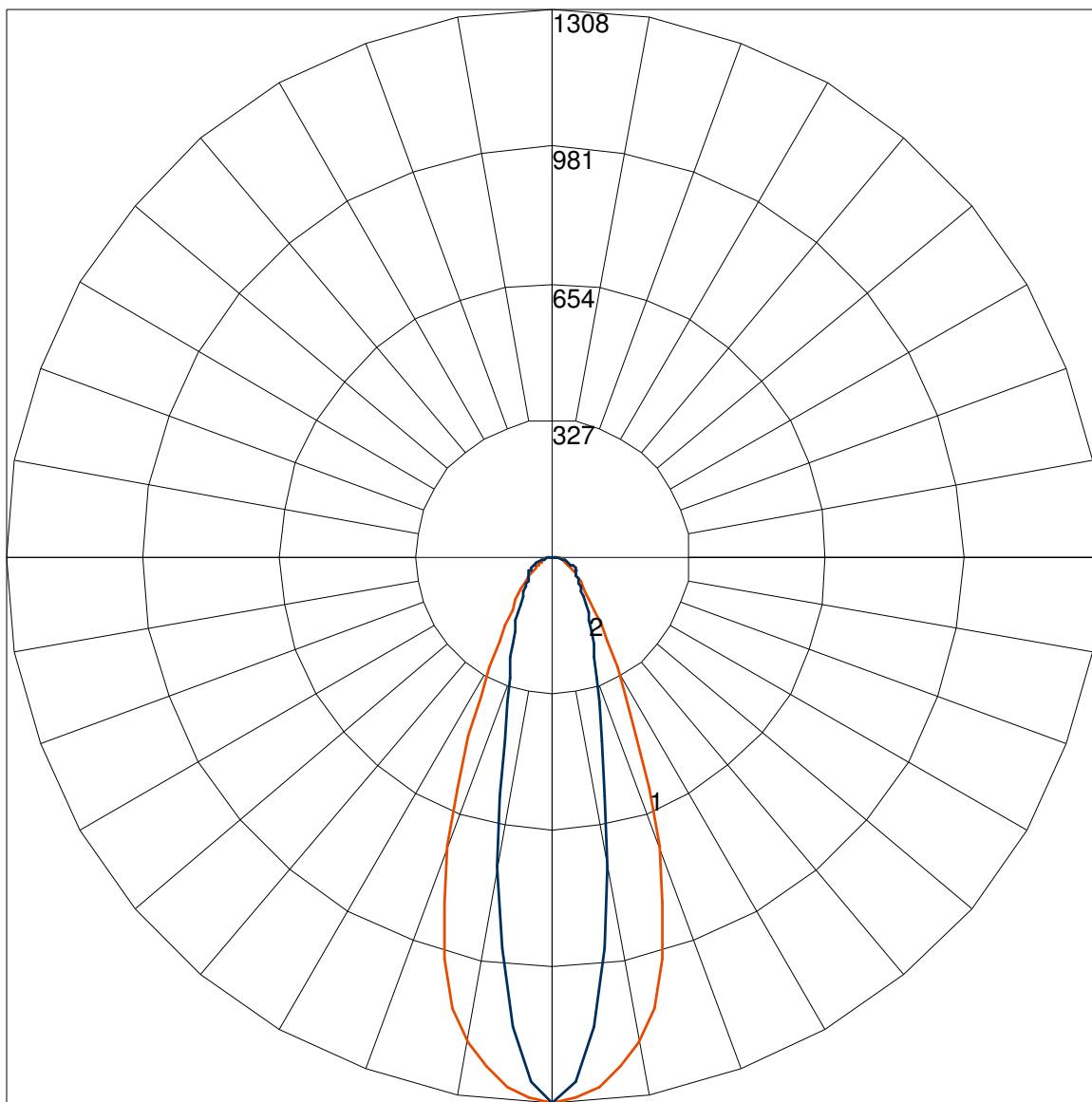
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63
6	83	73	67	62	82	73	66	62	71	65	61	69	64	61	68	64	60	59
7	79	69	62	58	78	68	62	57	67	61	57	66	61	57	64	60	56	55
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	47	46

POLAR GRAPH



Maximum Candela = 1307.75 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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