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## IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-55X25-UNVE9-35LG-1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 4488  
[TESTLAB] Tempo LLC  
[ISSUEDATE] 5/8/2023 12:40:30 PM  
[MANUFAC] Tempo LLC  
[LUMCAT] C6C-55X25-UNVE9-35LG-1  
[LUMINAIRE] Light gray aluminum housing with lens  
[LAMP] Sixteen (16) white LEDs (3500K) with optics  
[ELECTRICALS] 120.14 VAC, 0.0684 A, 0.9640 PF

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	719
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	8.22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.62
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	14659	16282	18611
55	10830	13787	16032
65	8975	11888	11687
75	6915	9346	7003
85	2752	3853	2049

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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>	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89
<b>2.5</b>	1154.02	1157.60	1161.16	1161.38	1161.59	1162.61	1163.62	1163.74	1163.86	1164.94
<b>5.0</b>	1132.82	1136.45	1140.08	1140.91	1141.74	1142.05	1142.35	1142.25	1142.16	1140.74
<b>7.5</b>	1104.94	1108.33	1111.71	1110.65	1109.58	1106.07	1102.55	1097.25	1091.94	1084.26
<b>10.0</b>	1065.53	1067.13	1068.72	1064.52	1060.31	1050.35	1040.38	1026.91	1013.44	997.04
<b>12.5</b>	1003.91	1003.78	1003.64	995.97	988.28	971.59	954.89	932.75	910.62	885.87
<b>15.0</b>	912.75	910.18	907.60	897.86	888.11	867.38	846.64	819.04	791.44	760.20
<b>17.5</b>	789.23	785.26	781.28	771.96	762.64	742.23	721.81	692.18	662.54	628.98
<b>20.0</b>	643.50	638.74	633.98	628.31	622.64	605.75	588.86	561.94	535.01	503.88
<b>22.5</b>	498.09	492.94	487.79	486.56	485.34	473.84	462.34	441.27	420.21	395.60
<b>25.0</b>	368.58	364.25	359.91	363.13	366.35	361.44	356.54	342.82	329.11	310.91
<b>27.5</b>	269.98	266.80	263.62	268.63	273.63	274.51	275.38	267.43	259.47	246.35
<b>30.0</b>	199.67	199.53	199.39	203.71	208.03	211.73	215.41	211.83	208.24	199.12
<b>32.5</b>	158.98	161.61	164.24	166.01	167.77	170.79	173.81	172.35	170.89	164.66
<b>35.0</b>	139.47	142.12	144.77	143.48	142.19	143.36	144.52	144.04	143.57	139.59
<b>37.5</b>	127.00	127.39	127.78	125.29	122.81	122.93	123.05	123.06	123.06	120.75
<b>40.0</b>	113.37	111.00	108.63	106.93	105.23	106.04	106.85	107.00	107.14	106.40
<b>42.5</b>	96.20	92.98	89.77	89.68	89.58	91.54	93.49	94.32	95.14	95.32
<b>45.0</b>	77.78	76.42	75.05	76.16	77.25	79.81	82.36	83.97	85.58	86.39
<b>47.5</b>	65.57	65.52	65.48	66.96	68.44	70.89	73.34	75.40	77.45	78.71
<b>50.0</b>	58.01	58.32	58.63	60.13	61.62	63.83	66.04	67.94	69.83	71.61
<b>52.5</b>	52.01	52.39	52.77	53.99	55.20	57.42	59.62	61.56	63.49	65.24
<b>55.0</b>	46.61	46.89	47.16	48.31	49.46	51.49	53.51	55.62	57.73	59.34
<b>57.5</b>	41.82	42.06	42.30	43.29	44.29	46.04	47.79	49.95	52.10	53.68
<b>60.0</b>	37.16	37.41	37.65	38.56	39.46	41.04	42.62	44.59	46.57	48.25
<b>62.5</b>	32.75	32.98	33.20	34.03	34.86	36.36	37.84	39.63	41.42	42.95
<b>65.0</b>	28.46	28.67	28.87	29.59	30.30	31.63	32.95	34.58	36.20	37.70
<b>67.5</b>	24.68	24.85	25.01	25.63	26.25	27.33	28.40	29.76	31.11	32.58
<b>70.0</b>	20.67	20.86	21.06	21.53	22.00	22.99	23.97	25.16	26.35	27.64
<b>72.5</b>	16.93	17.13	17.33	17.73	18.12	18.88	19.64	20.73	21.82	22.83
<b>75.0</b>	13.43	13.58	13.71	14.08	14.44	15.02	15.61	16.46	17.30	18.15
<b>77.5</b>	10.04	10.16	10.28	10.53	10.78	11.26	11.73	12.42	13.10	13.72
<b>80.0</b>	6.75	6.88	7.01	7.16	7.31	7.67	8.03	8.49	8.95	9.47
<b>82.5</b>	4.09	4.10	4.12	4.22	4.32	4.54	4.75	5.05	5.33	5.65
<b>85.0</b>	1.80	1.78	1.76	1.82	1.87	1.99	2.12	2.21	2.30	2.52
<b>87.5</b>	0.46	0.45	0.44	0.48	0.51	0.53	0.55	0.56	0.56	0.64
<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>	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89	1169.89
<b>2.5</b>	1166.03	1166.57	1167.10	1167.52	1167.94	1167.73	1167.53	1168.18	1168.82
<b>5.0</b>	1139.31	1138.24	1137.16	1134.94	1132.72	1131.45	1130.18	1129.36	1128.53
<b>7.5</b>	1076.58	1069.05	1061.51	1054.60	1047.68	1042.89	1038.10	1036.11	1034.12
<b>10.0</b>	980.63	966.64	952.63	939.57	926.49	918.61	910.73	907.25	903.77
<b>12.5</b>	861.12	840.30	819.48	801.65	783.82	772.70	761.58	757.31	753.03
<b>15.0</b>	728.96	703.06	677.14	655.78	634.41	621.44	608.46	603.41	598.35
<b>17.5</b>	595.40	567.46	539.52	517.79	496.04	483.37	470.68	466.00	461.31
<b>20.0</b>	472.74	446.90	421.06	401.91	382.76	372.08	361.41	357.78	354.14
<b>22.5</b>	370.98	350.26	329.52	314.35	299.18	290.99	282.80	280.05	277.30
<b>25.0</b>	292.70	276.51	260.32	248.86	237.41	231.42	225.43	223.37	221.30
<b>27.5</b>	233.22	221.59	209.96	201.64	193.32	189.49	185.65	184.46	183.26
<b>30.0</b>	189.99	181.94	173.88	168.31	162.73	160.71	158.68	158.19	157.70

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	158.43	153.21	147.99	144.75	141.51	140.94	140.37	140.52	140.67
<b>35.0</b>	135.61	132.50	129.38	128.04	126.69	127.34	127.99	128.60	129.20
<b>37.5</b>	118.44	117.12	115.80	115.97	116.15	117.50	118.85	119.66	120.48
<b>40.0</b>	105.65	105.58	105.51	106.66	107.80	109.48	111.17	111.93	112.68
<b>42.5</b>	95.49	96.46	97.42	99.08	100.74	102.63	104.52	105.04	105.55
<b>45.0</b>	87.20	88.77	90.34	92.29	94.25	96.31	98.35	98.55	98.75
<b>47.5</b>	79.96	81.82	83.68	85.97	88.26	90.32	92.38	92.37	92.37
<b>50.0</b>	73.39	75.38	77.37	80.02	82.66	84.49	86.31	85.94	85.57
<b>52.5</b>	66.99	69.20	71.40	74.12	76.84	78.10	79.34	78.54	77.73
<b>55.0</b>	60.95	63.31	65.65	68.10	70.53	70.90	71.25	70.13	69.00
<b>57.5</b>	55.25	57.45	59.65	61.74	63.82	63.18	62.53	61.26	59.98
<b>60.0</b>	49.92	51.83	53.74	55.17	56.59	55.32	54.03	52.87	51.69
<b>62.5</b>	44.48	46.13	47.78	48.52	49.26	47.75	46.24	45.15	44.06
<b>65.0</b>	39.20	40.62	42.04	42.20	42.36	40.70	39.04	38.05	37.06
<b>67.5</b>	34.04	35.16	36.28	36.12	35.94	34.12	32.29	31.31	30.31
<b>70.0</b>	28.92	29.71	30.50	30.11	29.72	27.89	26.05	25.10	24.16
<b>72.5</b>	23.83	24.52	25.20	24.73	24.26	22.30	20.33	19.44	18.53
<b>75.0</b>	19.00	19.50	20.00	19.42	18.84	17.06	15.27	14.44	13.60
<b>77.5</b>	14.34	14.73	15.11	14.50	13.89	12.31	10.73	10.08	9.42
<b>80.0</b>	9.99	10.23	10.47	10.00	9.51	8.29	7.06	6.59	6.10
<b>82.5</b>	5.95	6.11	6.27	5.91	5.55	4.80	4.05	3.71	3.37
<b>85.0</b>	2.74	2.75	2.74	2.57	2.38	2.03	1.67	1.51	1.34
<b>87.5</b>	0.72	0.71	0.68	0.62	0.55	0.51	0.47	0.46	0.44
<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	310.72	N.A.	43.20
0-30	454.02	N.A.	63.20
0-40	541.48	N.A.	75.30
0-60	662.26	N.A.	92.10
0-80	715.55	N.A.	99.60
0-90	718.73	N.A.	100.00
10-90	614.85	N.A.	85.50
20-40	230.77	N.A.	32.10
20-50	298.43	N.A.	41.50
40-70	156.54	N.A.	21.80
60-80	53.29	N.A.	7.40
70-80	17.52	N.A.	2.40
80-90	3.19	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	718.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.89
10-20	206.83
20-30	143.30
30-40	87.47
40-50	67.67
50-60	53.11
60-70	35.77
70-80	17.52
80-90	3.19
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

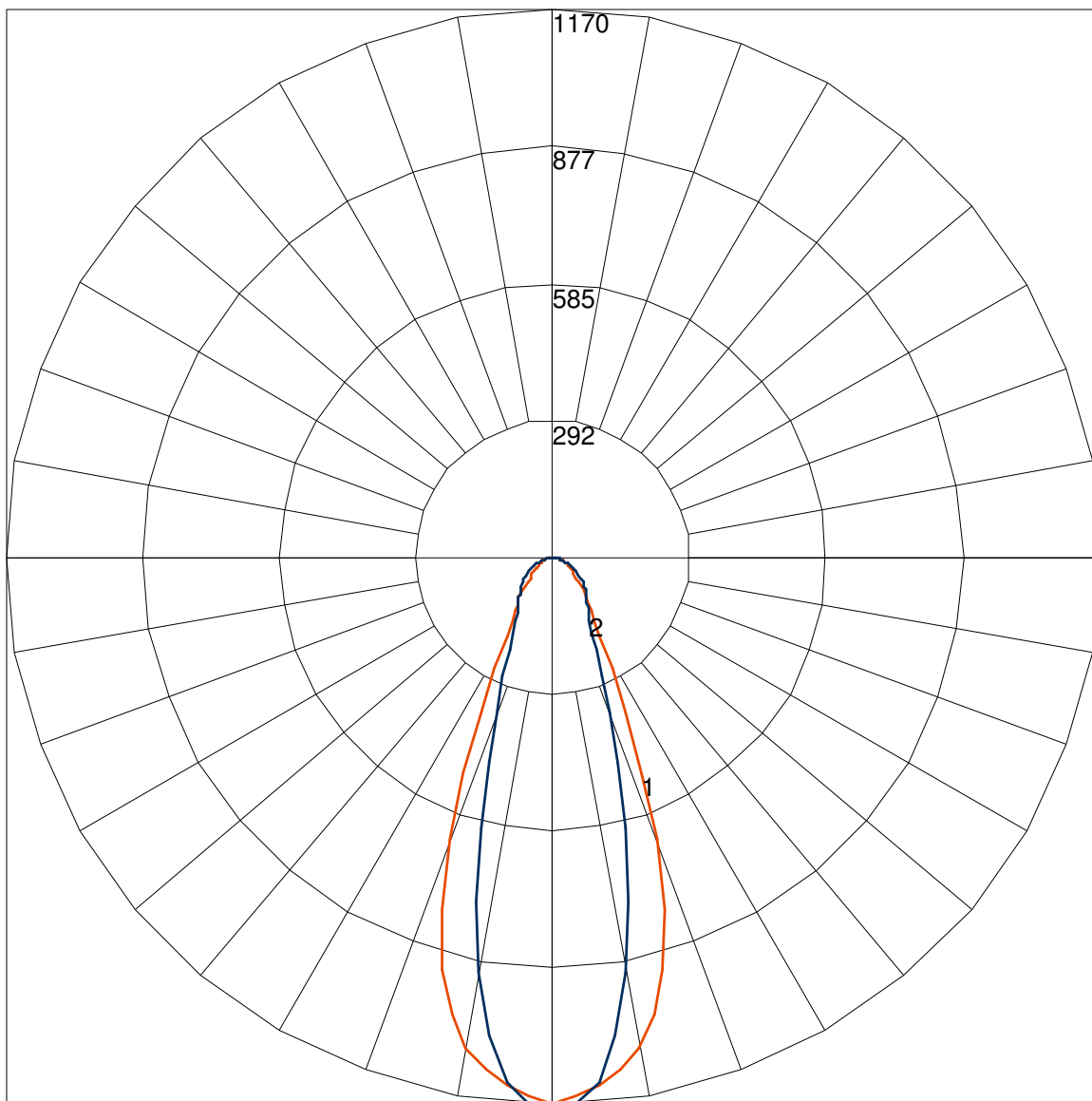
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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

POLAR GRAPH



Maximum Candela = 1169.89 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)