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## IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X25-UNVE9-35LG-1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 4491  
[TESTLAB] Tempo LLC  
[ISSUEDATE] 5/8/2023 2:47:41 PM  
[MANUFAC] Tempo LLC  
[LUMCAT] C6C-25X25-UNVE9-35LG-1  
[LUMINAIRE] Light gray aluminum housing with clear 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	765
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	8.21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.40
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	13206	18755	21864
55	11445	15103	22842
65	8502	11523	18542
75	2297	5515	14155
85	810	902	3318

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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>	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60
<b>2.5</b>	2119.48	2131.19	2142.90	2145.49	2148.09	2155.89	2163.68	2170.26	2176.83	2187.46
<b>5.0</b>	1763.64	1774.97	1786.30	1802.04	1817.76	1841.29	1864.81	1898.98	1933.15	1969.17
<b>7.5</b>	1349.19	1359.18	1369.15	1390.14	1411.11	1448.54	1485.96	1540.75	1595.53	1654.17
<b>10.0</b>	1000.18	1002.92	1005.65	1021.76	1037.87	1075.26	1112.64	1172.23	1231.82	1299.02
<b>12.5</b>	737.51	735.47	733.43	739.04	744.64	772.13	799.61	850.83	902.04	963.77
<b>15.0</b>	551.14	546.76	542.38	539.73	537.08	554.64	572.20	609.59	646.98	693.65
<b>17.5</b>	412.39	408.20	404.01	398.41	392.82	402.66	412.48	438.94	465.40	499.56
<b>20.0</b>	310.64	307.97	305.29	299.53	293.77	299.98	306.19	324.71	343.23	367.14
<b>22.5</b>	238.33	236.97	235.60	231.52	227.44	232.28	237.12	250.84	264.55	281.08
<b>25.0</b>	188.19	187.66	187.13	185.28	183.42	187.82	192.21	202.56	212.92	224.91
<b>27.5</b>	154.41	153.89	153.36	153.62	153.88	158.20	162.51	170.75	178.98	187.89
<b>30.0</b>	131.05	130.83	130.60	132.30	133.98	138.19	142.39	149.22	156.05	163.26
<b>32.5</b>	114.91	115.34	115.78	118.13	120.48	124.37	128.26	134.11	139.95	145.70
<b>35.0</b>	104.03	104.71	105.37	107.69	110.01	113.88	117.75	122.99	128.22	132.93
<b>37.5</b>	95.67	96.38	97.09	99.07	101.03	104.70	108.35	113.30	118.24	122.53
<b>40.0</b>	88.73	89.17	89.61	91.58	93.54	96.75	99.95	104.97	109.97	114.31
<b>42.5</b>	80.30	80.81	81.30	83.55	85.80	89.03	92.25	97.18	102.09	106.95
<b>45.0</b>	70.07	70.47	70.86	73.51	76.15	80.23	84.31	89.17	94.03	99.51
<b>47.5</b>	64.55	64.57	64.59	65.78	66.96	71.09	75.21	80.70	86.19	91.79
<b>50.0</b>	59.40	59.44	59.47	60.14	60.82	63.06	65.30	71.43	77.57	83.61
<b>52.5</b>	54.16	54.40	54.64	54.95	55.27	56.93	58.60	62.95	67.29	74.25
<b>55.0</b>	49.26	49.52	49.78	50.25	50.72	52.06	53.40	55.91	58.40	65.00
<b>57.5</b>	44.25	44.43	44.60	45.26	45.92	47.13	48.34	50.29	52.23	56.99
<b>60.0</b>	39.11	39.15	39.18	39.85	40.52	41.79	43.05	44.83	46.60	50.15
<b>62.5</b>	33.43	33.51	33.59	34.27	34.95	36.06	37.18	38.70	40.22	43.55
<b>65.0</b>	26.96	27.11	27.25	28.07	28.88	30.12	31.35	32.64	33.93	36.54
<b>67.5</b>	19.85	20.16	20.46	21.24	22.02	23.38	24.73	26.26	27.80	29.74
<b>70.0</b>	13.56	13.77	13.97	14.78	15.60	16.77	17.95	19.56	21.17	23.09
<b>72.5</b>	7.74	7.96	8.17	8.94	9.71	10.80	11.89	13.35	14.81	16.64
<b>75.0</b>	4.46	4.64	4.83	5.13	5.43	6.13	6.83	8.00	9.18	10.71
<b>77.5</b>	2.37	2.41	2.45	2.63	2.80	3.08	3.34	4.15	4.95	5.99
<b>80.0</b>	1.28	1.31	1.34	1.38	1.41	1.38	1.35	1.66	1.97	2.64
<b>82.5</b>	0.85	0.81	0.76	0.80	0.84	0.87	0.90	0.97	1.02	1.19
<b>85.0</b>	0.53	0.52	0.51	0.56	0.60	0.59	0.57	0.56	0.54	0.59
<b>87.5</b>	0.32	0.33	0.34	0.35	0.36	0.38	0.40	0.36	0.31	0.35
<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>	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60	2267.60
<b>2.5</b>	2198.09	2204.63	2211.17	2221.02	2230.87	2232.80	2234.72	2238.84	2242.96
<b>5.0</b>	2005.19	2039.87	2074.55	2102.03	2129.51	2147.50	2165.49	2171.73	2177.98
<b>7.5</b>	1712.80	1771.63	1830.44	1876.91	1923.37	1955.77	1988.16	1997.86	2007.56
<b>10.0</b>	1366.21	1435.89	1505.57	1564.57	1623.56	1667.22	1710.88	1724.46	1738.03
<b>12.5</b>	1025.49	1093.25	1161.01	1223.17	1285.32	1332.22	1379.11	1394.26	1409.40
<b>15.0</b>	740.32	796.47	852.63	907.85	963.07	1005.75	1048.42	1062.71	1077.00
<b>17.5</b>	533.72	575.53	617.34	658.63	699.91	731.77	763.63	775.06	786.49
<b>20.0</b>	391.03	419.55	448.06	476.81	505.56	527.31	549.06	556.93	564.79
<b>22.5</b>	297.61	315.99	334.36	351.77	369.17	382.46	395.75	400.71	405.66
<b>25.0</b>	236.91	248.78	260.64	270.24	279.83	286.54	293.24	295.45	297.67
<b>27.5</b>	196.79	204.60	212.40	216.93	221.46	224.30	227.13	228.10	229.07
<b>30.0</b>	170.46	174.95	179.43	181.53	183.62	184.50	185.37	185.23	185.09

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**CANDELA TABULATION - (Cont.)**

32.5	151.43	154.33	157.23	157.94	158.64	158.72	158.79	158.44	158.08
35.0	137.65	139.89	142.13	142.59	143.03	142.98	142.92	143.07	143.21
37.5	126.82	129.20	131.58	132.30	133.02	133.46	133.90	133.67	133.44
40.0	118.63	121.26	123.88	124.67	125.45	126.00	126.55	126.62	126.67
42.5	111.81	114.66	117.49	118.26	119.03	119.75	120.45	120.46	120.45
45.0	104.98	107.93	110.88	112.25	113.61	114.65	115.68	115.85	116.01
47.5	97.38	101.16	104.92	106.68	108.44	110.23	112.02	112.64	113.26
50.0	89.66	94.28	98.89	101.41	103.93	106.42	108.91	109.81	110.71
52.5	81.20	86.75	92.30	95.28	98.25	101.47	104.70	105.91	107.12
55.0	71.59	77.99	84.39	87.49	90.57	93.55	96.52	97.42	98.31
57.5	61.74	68.15	74.55	77.35	80.16	82.45	84.73	85.88	87.03
60.0	53.69	59.32	64.95	67.73	70.52	72.89	75.25	76.21	77.16
62.5	46.87	52.18	57.48	60.02	62.55	64.32	66.08	66.75	67.41
65.0	39.15	44.26	49.37	52.12	54.86	56.44	58.02	58.41	58.80
67.5	31.68	36.19	40.70	44.07	47.44	48.89	50.34	50.85	51.37
70.0	25.00	28.32	31.64	35.56	39.47	40.97	42.46	42.87	43.28
72.5	18.46	21.03	23.60	27.46	31.30	32.88	34.46	34.91	35.36
75.0	12.23	14.08	15.93	19.44	22.94	24.81	26.68	27.09	27.49
77.5	7.03	8.23	9.42	12.03	14.62	16.75	18.88	19.43	19.98
80.0	3.30	4.03	4.76	6.03	7.29	9.76	12.23	12.74	13.24
82.5	1.35	1.65	1.96	2.43	2.90	4.39	5.87	6.49	7.10
85.0	0.63	0.66	0.68	0.78	0.88	1.07	1.26	1.72	2.17
87.5	0.38	0.38	0.37	0.37	0.38	0.41	0.43	0.45	0.45
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	378.14	N.A.	49.40
0-30	490.49	N.A.	64.10
0-40	571.92	N.A.	74.80
0-60	708.37	N.A.	92.60
0-80	763.25	N.A.	99.80
0-90	764.77	N.A.	100.00
10-90	597.42	N.A.	78.10
20-40	193.78	N.A.	25.30
20-50	268.16	N.A.	35.10
40-70	176.52	N.A.	23.10
60-80	54.88	N.A.	7.20
70-80	14.81	N.A.	1.90
80-90	1.52	N.A.	0.20
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	764.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	167.35
10-20	210.78
20-30	112.35
30-40	81.43
40-50	74.38
50-60	62.07
60-70	40.07
70-80	14.81
80-90	1.52
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

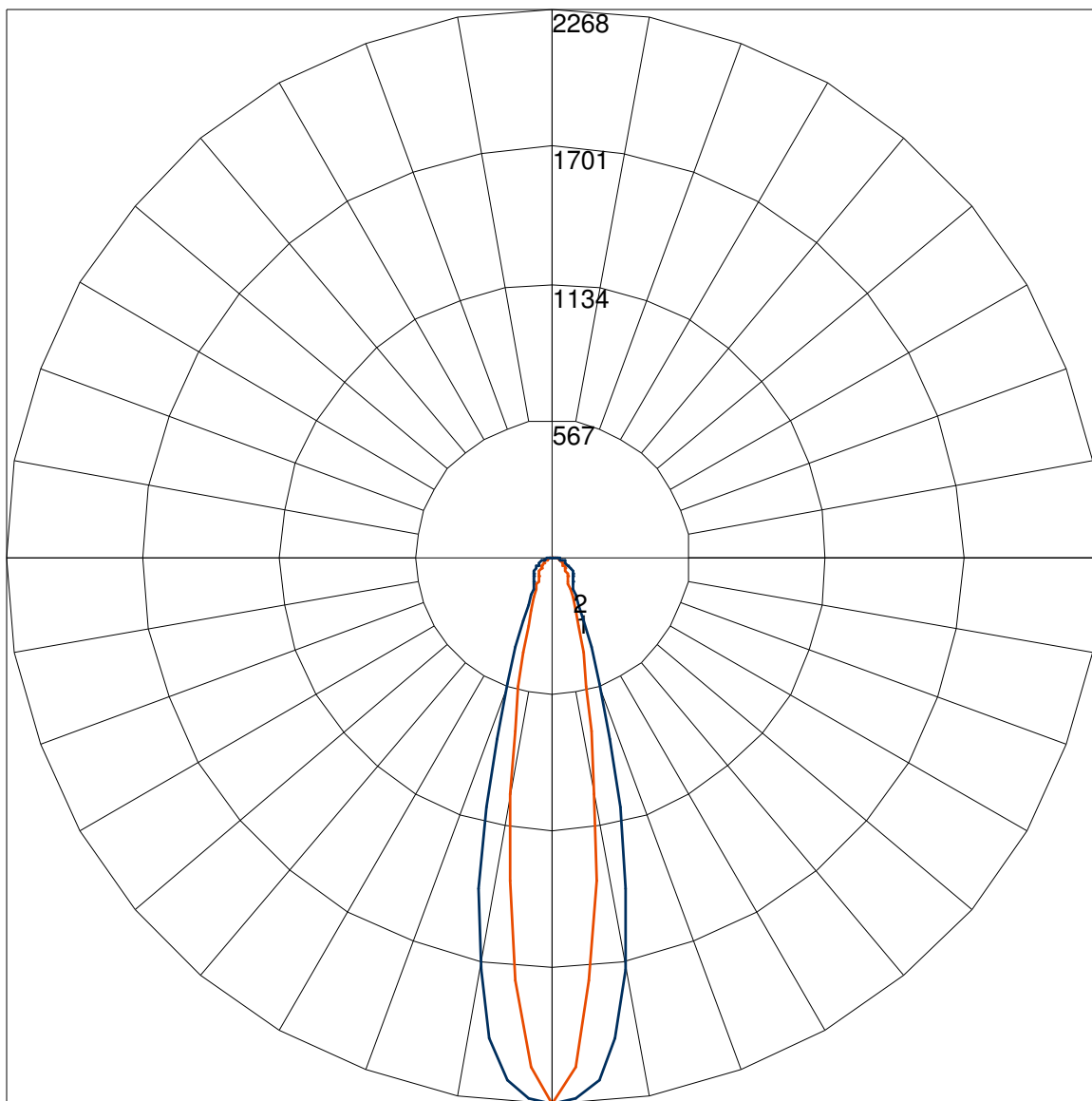
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	80	76	73	72
5	90	81	75	71	89	80	75	70	79	74	70	77	72	69	75	71	68	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	59
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	66	60	56	74	65	60	56	64	59	56	64	59	55	63	58	55	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

POLAR GRAPH



Maximum Candela = 2267.6 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)