



1961 McGaw Ave, Irvine, CA 92614  
phone: 949.442.1601  
email: info@tempolc.com

## IES INDOOR REPORT

### PHOTOMETRIC FILENAME : C6C-25X45-UNVET12-35LG-1.IES

#### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 4512  
[TESTLAB] Tempo LLC  
[ISSUEDATE] 6/30/2023 1:58:57 PM  
[MANUFAC] Tempo LLC  
[LUMCAT] C6C-25X45-UNVET12-35LG-1  
[LUMINAIRE] Light gray aluminum housing with lens  
[LAMP] Sixteen (16) white LEDs (3500K) with optics  
[ELECTRICALS] 120.04 VAC, 0.1017 A, 0.9896 PF

#### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	978
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	12.21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.56
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	18926	24371	29925
55	14122	17933	25179
65	10135	14512	23342
75	7034	10412	18223
85	2798	3502	5122

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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>	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71
<b>2.5</b>	1698.91	1691.65	1684.38	1684.49	1684.60	1685.55	1686.50	1687.43	1688.35	1698.23
<b>5.0</b>	1530.05	1524.74	1519.44	1525.51	1531.57	1540.69	1549.80	1561.56	1573.32	1594.44
<b>7.5</b>	1295.50	1292.11	1288.71	1300.94	1313.15	1332.33	1351.49	1375.78	1400.06	1435.83
<b>10.0</b>	1048.03	1046.37	1044.69	1061.66	1078.63	1104.33	1130.02	1164.14	1198.25	1246.02
<b>12.5</b>	829.97	829.46	828.95	845.82	862.69	890.61	918.52	955.87	993.22	1047.04
<b>15.0</b>	660.32	659.73	659.14	673.74	688.32	713.10	737.88	773.26	808.64	861.04
<b>17.5</b>	539.94	539.31	538.68	549.39	560.08	578.75	597.42	626.13	654.83	700.20
<b>20.0</b>	454.25	453.89	453.52	460.99	468.45	481.42	494.39	515.36	536.33	571.44
<b>22.5</b>	389.38	389.28	389.19	394.23	399.26	408.36	417.45	432.28	447.11	472.56
<b>25.0</b>	338.79	338.54	338.28	341.64	344.99	351.37	357.75	368.06	378.37	396.05
<b>27.5</b>	309.30	307.17	305.04	303.98	302.92	306.56	310.19	317.73	325.26	337.37
<b>30.0</b>	275.23	275.34	275.45	274.66	273.87	273.41	272.94	277.59	282.24	291.01
<b>32.5</b>	222.35	225.75	229.15	234.06	238.95	239.71	240.45	243.77	247.09	253.56
<b>35.0</b>	183.71	187.08	190.45	194.68	198.91	203.30	207.67	212.08	216.48	222.11
<b>37.5</b>	148.36	150.39	152.41	159.22	166.03	172.30	178.56	183.62	188.67	194.42
<b>40.0</b>	128.75	129.39	130.02	132.96	135.90	143.26	150.62	157.02	163.42	169.95
<b>42.5</b>	113.44	114.01	114.59	116.00	117.40	121.58	125.75	133.42	141.10	148.14
<b>45.0</b>	100.42	100.92	101.41	102.58	103.75	106.52	109.29	115.70	122.11	129.31
<b>47.5</b>	89.29	89.61	89.92	90.83	91.73	94.09	96.45	101.46	106.46	113.12
<b>50.0</b>	78.96	79.25	79.54	80.52	81.51	83.46	85.41	89.43	93.44	99.30
<b>52.5</b>	69.63	70.00	70.37	71.37	72.38	74.20	76.02	79.18	82.35	87.36
<b>55.0</b>	60.78	61.39	61.99	62.96	63.92	65.65	67.37	70.17	72.96	77.18
<b>57.5</b>	52.53	53.27	54.01	55.14	56.26	57.91	59.55	62.15	64.74	68.21
<b>60.0</b>	44.86	45.65	46.43	47.79	49.14	50.76	52.37	54.77	57.16	60.21
<b>62.5</b>	38.27	38.98	39.69	41.11	42.53	44.07	45.61	47.81	50.01	52.80
<b>65.0</b>	32.14	32.90	33.65	35.08	36.50	38.10	39.69	41.64	43.60	46.02
<b>67.5</b>	26.95	27.69	28.42	29.74	31.06	32.47	33.87	35.71	37.53	39.74
<b>70.0</b>	22.83	23.31	23.78	24.93	26.08	27.44	28.79	30.44	32.08	34.03
<b>72.5</b>	19.17	19.53	19.90	20.82	21.74	22.94	24.13	25.47	26.80	28.56
<b>75.0</b>	13.66	13.90	14.13	14.78	15.43	16.30	17.17	18.03	18.90	20.22
<b>77.5</b>	9.37	9.56	9.76	10.08	10.39	10.96	11.52	12.18	12.83	13.62
<b>80.0</b>	6.07	6.23	6.38	6.53	6.67	7.00	7.32	7.67	8.01	8.52
<b>82.5</b>	3.59	3.67	3.75	3.83	3.91	4.08	4.24	4.40	4.54	4.76
<b>85.0</b>	1.83	1.85	1.88	1.91	1.95	2.02	2.08	2.13	2.19	2.29
<b>87.5</b>	0.73	0.73	0.74	0.74	0.74	0.75	0.76	0.77	0.78	0.79
<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>	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71	1738.71
<b>2.5</b>	1708.10	1711.14	1714.18	1715.29	1716.41	1718.15	1719.89	1720.00	1720.10
<b>5.0</b>	1615.54	1628.58	1641.60	1651.27	1660.94	1668.53	1676.11	1678.12	1680.13
<b>7.5</b>	1471.59	1498.50	1525.41	1547.27	1569.13	1583.92	1598.72	1603.78	1608.84
<b>10.0</b>	1293.78	1333.68	1373.59	1407.08	1440.56	1463.46	1486.35	1494.23	1502.11
<b>12.5</b>	1100.87	1149.49	1198.10	1240.49	1282.88	1312.66	1342.44	1352.26	1362.08
<b>15.0</b>	913.44	964.25	1015.05	1061.83	1108.62	1142.13	1175.64	1186.91	1198.18
<b>17.5</b>	745.57	792.91	840.25	885.88	931.51	965.54	999.57	1011.31	1023.04
<b>20.0</b>	606.56	646.12	685.67	725.82	765.96	796.84	827.72	838.49	849.27
<b>22.5</b>	498.00	527.86	557.72	589.86	622.00	647.67	673.34	682.76	692.17
<b>25.0</b>	413.72	435.37	457.01	480.39	503.77	523.13	542.49	549.94	557.39
<b>27.5</b>	349.48	364.30	379.11	395.63	412.15	426.03	439.91	445.00	450.09
<b>30.0</b>	299.78	310.01	320.23	331.49	342.74	351.71	360.67	364.09	367.51

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	260.02	267.47	274.91	282.31	289.71	295.73	301.75	303.78	305.80
<b>35.0</b>	227.75	233.54	239.33	244.78	250.23	254.15	258.05	259.39	260.72
<b>37.5</b>	200.17	205.38	210.58	214.82	219.04	221.90	224.76	225.39	226.01
<b>40.0</b>	176.47	181.39	186.30	190.10	193.90	196.00	198.10	198.43	198.76
<b>42.5</b>	155.18	160.14	165.11	168.77	172.43	174.42	176.40	176.78	177.15
<b>45.0</b>	136.51	141.57	146.62	150.44	154.26	156.28	158.30	158.54	158.78
<b>47.5</b>	119.77	124.95	130.12	134.09	138.05	140.24	142.42	142.80	143.17
<b>50.0</b>	105.15	110.24	115.32	119.43	123.53	126.19	128.83	129.39	129.94
<b>52.5</b>	92.38	97.22	102.05	106.35	110.64	113.68	116.72	117.52	118.33
<b>55.0</b>	81.40	85.99	90.59	94.89	99.19	102.68	106.17	107.27	108.37
<b>57.5</b>	71.68	75.88	80.07	84.41	88.74	92.52	96.30	97.74	99.18
<b>60.0</b>	63.25	66.94	70.62	74.97	79.31	83.41	87.50	88.96	90.42
<b>62.5</b>	55.58	58.85	62.12	66.31	70.50	74.83	79.15	80.70	82.26
<b>65.0</b>	48.44	51.53	54.61	58.41	62.21	66.48	70.75	72.38	74.02
<b>67.5</b>	41.93	44.63	47.31	50.83	54.34	58.49	62.63	64.30	65.96
<b>70.0</b>	35.99	38.29	40.59	43.76	46.92	50.80	54.67	56.24	57.81
<b>72.5</b>	30.31	32.27	34.23	37.02	39.81	43.24	46.66	48.21	49.75
<b>75.0</b>	21.54	22.91	24.27	26.28	28.29	30.76	33.23	34.31	35.39
<b>77.5</b>	14.41	15.33	16.26	17.59	18.92	20.64	22.35	23.13	23.90
<b>80.0</b>	9.03	9.55	10.07	10.88	11.69	12.70	13.71	14.11	14.50
<b>82.5</b>	4.98	5.29	5.59	5.98	6.36	6.85	7.34	7.59	7.82
<b>85.0</b>	2.38	2.47	2.56	2.69	2.83	3.02	3.20	3.28	3.35
<b>87.5</b>	0.79	0.83	0.86	0.86	0.86	0.88	0.89	0.89	0.88
<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	389.64	N.A.	39.80
0-30	586.80	N.A.	60.00
0-40	728.34	N.A.	74.40
0-60	901.96	N.A.	92.20
0-80	974.78	N.A.	99.60
0-90	978.31	N.A.	100.00
10-90	836.84	N.A.	85.50
20-40	338.71	N.A.	34.60
20-50	439.44	N.A.	44.90
40-70	222.61	N.A.	22.80
60-80	72.82	N.A.	7.40
70-80	23.83	N.A.	2.40
80-90	3.53	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	978.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	141.47
10-20	248.17
20-30	197.16
30-40	141.54
40-50	100.74
50-60	72.88
60-70	48.99
70-80	23.83
80-90	3.53
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

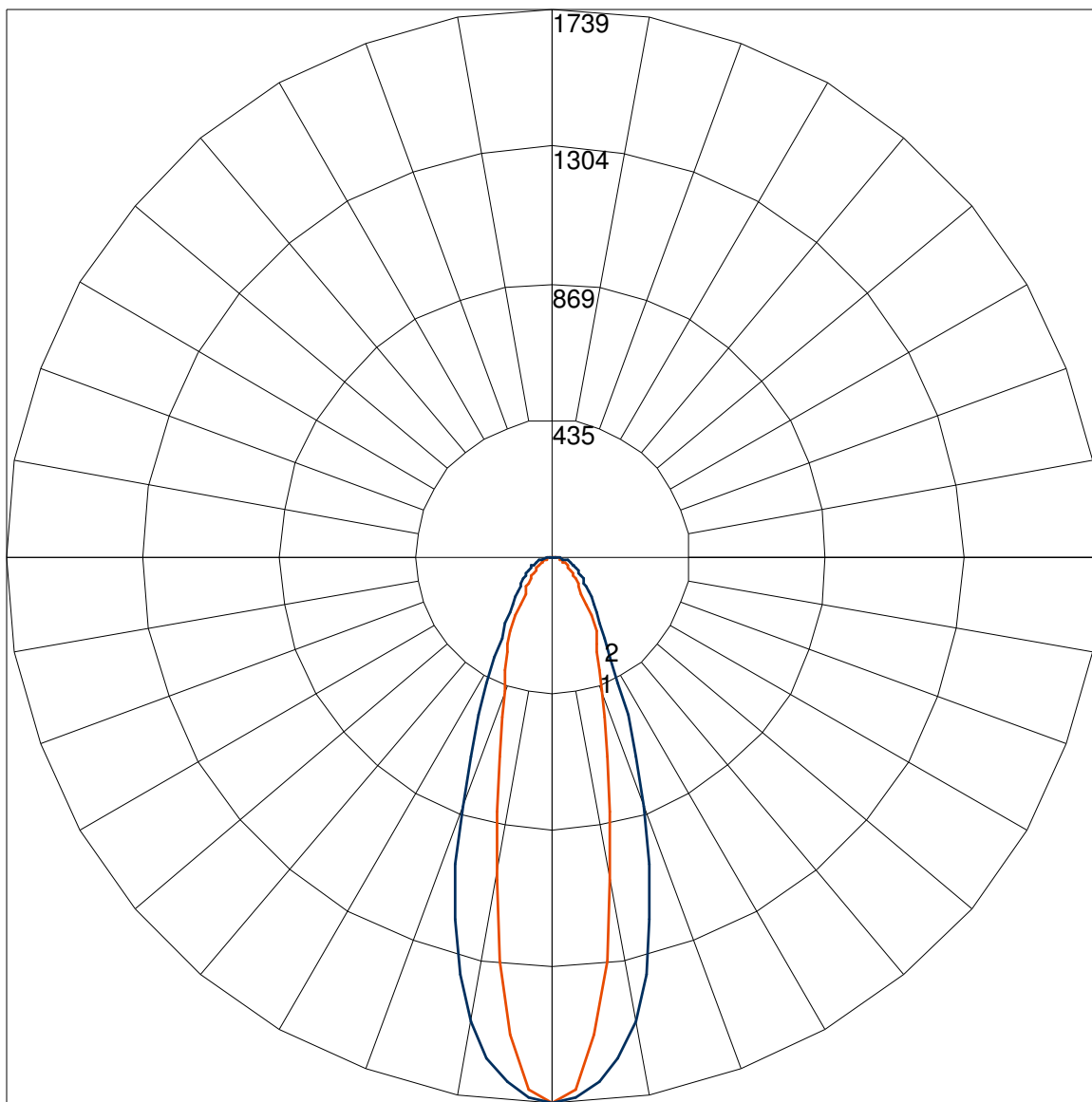
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100	98	99	97	96	95	94	93	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69
5	88	79	72	67	87	78	72	67	76	71	66	74	69	66	73	68	65	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	68	64	61	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

POLAR GRAPH



Maximum Candela = 1738.71 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)