



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

IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X75-UNVE12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4453
[TESTLAB] Tempo LLC
[ISSUEDATE] 4/6/2023 12:30:09 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X75-UNVE12-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.02 VAC, 0.1025 A, 0.9899 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	894
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	12.31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	0.60
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	12775	22645	82586
55	10077	19280	49655
65	7429	16467	33455
75	5293	13115	25164
85	2431	6652	12890

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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>
0.0	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48
2.5	968.98	969.66	970.32	969.94	969.56	970.05	970.53	973.29	976.05	978.29
5.0	848.90	850.50	852.08	857.49	862.89	871.20	879.50	890.16	900.81	912.83
7.5	697.22	700.82	704.41	714.28	724.14	739.52	754.90	775.42	795.94	820.21
10.0	554.23	558.76	563.29	575.53	587.76	607.10	626.44	654.59	682.73	716.74
12.5	436.89	441.05	445.20	457.83	470.47	491.78	513.08	543.30	573.51	613.70
15.0	346.43	350.63	354.83	366.43	378.01	397.87	417.73	448.63	479.54	521.85
17.5	280.19	283.53	286.86	297.23	307.60	325.65	343.69	372.21	400.72	442.73
20.0	229.89	233.13	236.36	245.51	254.64	270.57	286.50	312.28	338.04	377.75
22.5	192.37	195.06	197.74	205.89	214.04	228.34	242.64	265.95	289.25	325.22
25.0	163.72	166.07	168.43	175.61	182.78	195.89	208.99	229.60	250.20	282.60
27.5	141.67	143.87	146.06	152.67	159.28	170.59	181.89	200.31	218.72	248.20
30.0	124.72	126.65	128.58	134.49	140.40	150.58	160.76	176.72	192.68	219.20
32.5	111.45	113.24	115.03	120.30	125.58	134.43	143.28	157.29	171.30	195.29
35.0	100.67	102.24	103.81	108.60	113.40	121.11	128.82	141.26	153.69	175.29
37.5	91.33	92.77	94.20	98.56	102.90	109.96	117.02	127.95	138.88	158.35
40.0	82.75	84.25	85.73	89.83	93.92	100.20	106.47	116.51	126.56	144.03
42.5	74.94	76.36	77.78	81.64	85.50	91.37	97.25	106.49	115.74	131.28
45.0	67.78	69.22	70.65	74.28	77.91	83.25	88.59	97.45	106.31	120.15
47.5	60.92	62.34	63.76	67.19	70.62	75.71	80.80	89.18	97.56	109.82
50.0	54.58	55.94	57.30	60.48	63.65	68.50	73.34	81.36	89.38	100.35
52.5	48.85	50.09	51.33	54.23	57.13	61.65	66.17	73.93	81.68	91.46
55.0	43.37	44.58	45.78	48.34	50.90	55.28	59.65	66.99	74.33	82.98
57.5	38.10	39.24	40.37	42.79	45.20	49.23	53.26	60.25	67.23	74.98
60.0	32.88	34.00	35.12	37.44	39.74	43.46	47.17	53.64	60.11	67.10
62.5	28.13	29.11	30.08	32.29	34.50	37.98	41.45	47.33	53.20	59.49
65.0	23.56	24.52	25.47	27.50	29.52	32.76	35.99	41.29	46.59	52.22
67.5	19.59	20.37	21.15	22.98	24.81	27.81	30.81	35.48	40.15	45.11
70.0	16.09	16.74	17.40	18.96	20.53	23.11	25.69	29.86	34.02	38.28
72.5	12.89	13.41	13.93	15.23	16.52	18.83	21.13	24.59	28.04	31.68
75.0	10.28	10.63	10.97	11.97	12.95	14.81	16.67	19.58	22.50	25.47
77.5	7.80	8.06	8.33	9.06	9.79	11.17	12.55	14.85	17.14	19.46
80.0	5.51	5.73	5.95	6.44	6.93	7.95	8.96	10.53	12.10	13.77
82.5	3.42	3.58	3.72	4.04	4.35	5.02	5.69	6.67	7.65	8.74
85.0	1.59	1.70	1.80	1.94	2.07	2.41	2.74	3.27	3.80	4.35
87.5	0.50	0.54	0.58	0.59	0.59	0.68	0.76	0.91	1.05	1.22
90.0	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>
0.0	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48	1003.48
2.5	980.53	982.44	984.34	986.73	989.13	990.42	991.71	992.08	992.44
5.0	924.85	937.15	949.45	959.20	968.94	975.64	982.34	985.19	988.03
7.5	844.48	869.31	894.13	916.16	938.19	953.29	968.39	974.21	980.02
10.0	750.75	787.65	824.55	860.58	896.60	922.14	947.66	957.25	966.83
12.5	653.87	701.51	749.15	797.38	845.60	883.06	920.52	935.58	950.64
15.0	564.16	617.61	671.05	731.25	791.45	840.83	890.19	909.83	929.47
17.5	484.73	541.71	598.69	667.08	735.46	796.12	856.78	882.77	908.76
20.0	417.45	474.25	531.04	605.36	679.68	751.17	822.66	854.36	886.05
22.5	361.19	416.17	471.14	548.89	626.64	707.48	788.32	826.20	864.08
25.0	314.99	367.19	419.38	498.04	576.70	665.95	755.20	800.09	844.97
27.5	277.68	325.70	373.71	452.90	532.09	628.12	724.14	774.29	824.42
30.0	245.71	290.92	336.13	412.47	488.80	588.49	688.18	743.73	799.28

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CANDELA TABULATION - (Cont.)

32.5	219.27	260.67	302.06	373.87	445.68	544.77	643.85	701.26	758.66
35.0	196.87	234.29	271.69	336.95	402.20	496.29	590.37	647.25	704.12
37.5	177.82	211.09	244.35	301.57	358.78	445.72	532.66	587.85	643.04
40.0	161.49	190.11	218.73	268.70	318.67	396.44	474.20	525.21	576.22
42.5	146.82	171.67	196.52	238.80	281.09	348.55	416.00	461.94	507.87
45.0	133.98	154.71	175.43	211.22	247.00	303.70	360.40	399.30	438.19
47.5	122.08	139.69	157.29	186.69	216.08	262.33	308.57	339.61	370.64
50.0	111.31	126.26	141.20	165.06	188.93	225.65	262.38	285.96	309.53
52.5	101.23	113.81	126.38	146.00	165.61	193.94	222.25	239.98	257.71
55.0	91.63	102.61	113.59	129.40	145.21	166.55	187.90	200.81	213.71
57.5	82.73	92.10	101.47	114.43	127.39	143.50	159.60	168.71	177.81
60.0	74.08	82.28	90.46	101.07	111.67	123.94	136.21	142.63	149.05
62.5	65.76	72.99	80.21	88.97	97.72	107.01	116.29	120.93	125.57
65.0	57.84	64.12	70.40	77.72	85.04	92.15	99.27	102.68	106.09
67.5	50.06	55.60	61.13	67.14	73.16	78.59	84.01	86.72	89.42
70.0	42.53	47.23	51.92	57.02	62.12	66.33	70.53	72.51	74.49
72.5	35.32	39.32	43.31	47.38	51.45	54.77	58.10	59.63	61.15
75.0	28.45	31.73	35.01	38.21	41.41	43.98	46.54	47.71	48.87
77.5	21.78	24.39	27.00	29.48	31.96	33.82	35.69	36.53	37.35
80.0	15.44	17.43	19.42	21.17	22.92	24.21	25.49	26.09	26.67
82.5	9.83	11.08	12.31	13.46	14.60	15.43	16.25	16.59	16.92
85.0	4.90	5.52	6.14	6.74	7.33	7.72	8.11	8.27	8.43
87.5	1.37	1.54	1.71	1.86	2.01	2.09	2.16	2.18	2.19
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	243.27	N.A.	27.20
0-30	417.26	N.A.	46.70
0-40	581.38	N.A.	65.00
0-60	801.78	N.A.	89.70
0-80	887.79	N.A.	99.30
0-90	893.97	N.A.	100.00
10-90	812.35	N.A.	90.90
20-40	338.10	N.A.	37.80
20-50	468.37	N.A.	52.40
40-70	277.50	N.A.	31.00
60-80	86.01	N.A.	9.60
70-80	28.91	N.A.	3.20
80-90	6.18	N.A.	0.70
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	893.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.62
10-20	161.65
20-30	173.99
30-40	164.12
40-50	130.27
50-60	90.14
60-70	57.09
70-80	28.91
80-90	6.18
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

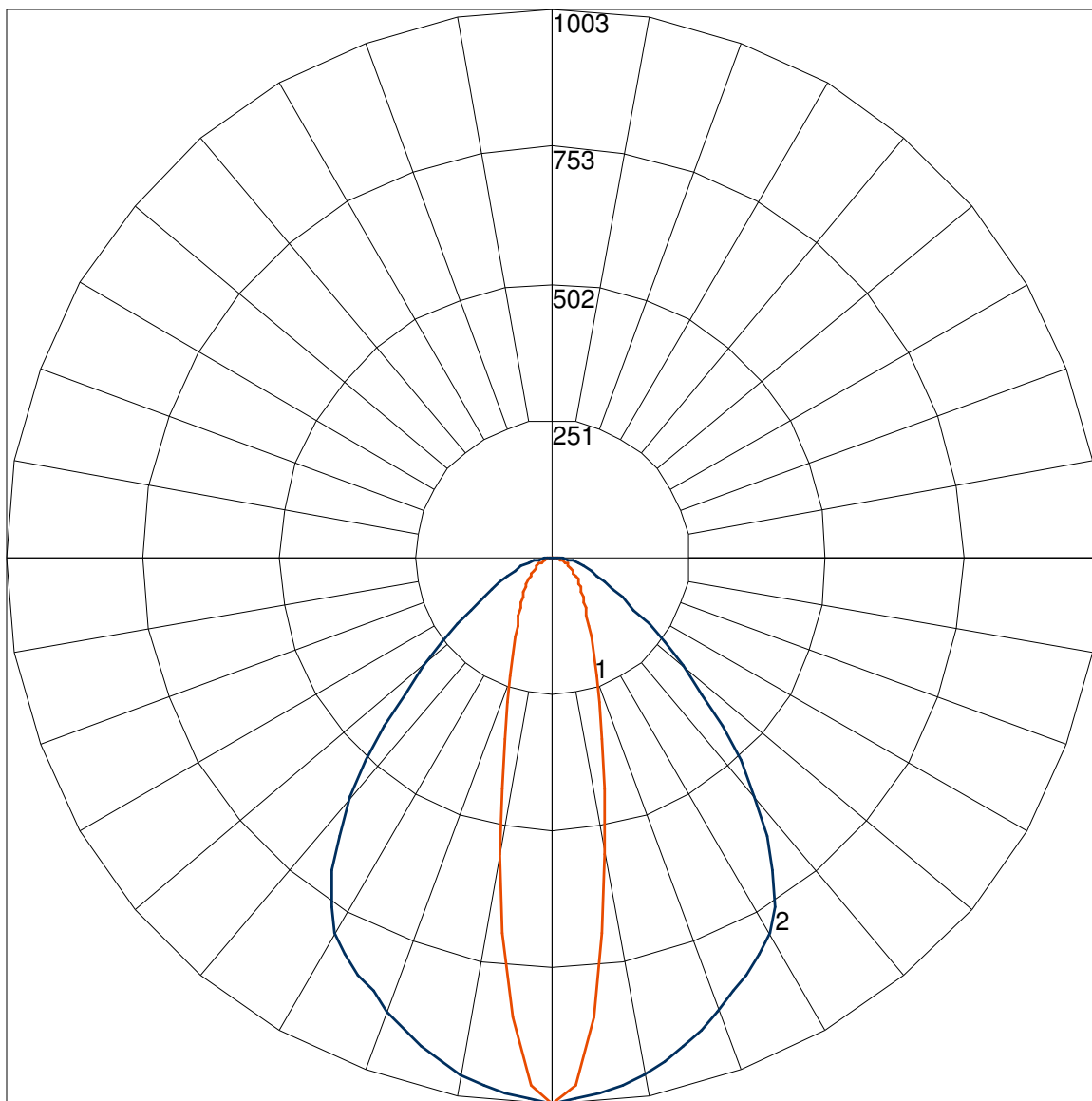
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	40	61	51	44	39	50	44	39	49	43	39	48	43	39	38

POLAR GRAPH



Maximum Candela = 1003.48 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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