



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

IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X45-UNVET9-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4519
[TESTLAB] Tempo LLC
[ISSUEDATE] 7/5/2023 2:14:18 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X45-UNVET9-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.05 VAC, 0.0692 A, 0.9652 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	761
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	8.31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.66
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	13947	18218	22192
55	10258	13214	18446
65	7335	10570	16874
75	5077	7543	13115
85	2034	2615	4159

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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	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56
2.5	1313.16	1313.51	1314.18	1315.02	1316.39	1318.18	1319.50	1321.92	1324.74	1327.35
5.0	1207.71	1208.51	1214.59	1214.47	1220.65	1227.15	1235.19	1244.09	1249.06	1257.07
7.5	1049.29	1051.16	1054.75	1063.18	1069.19	1080.72	1093.74	1108.27	1124.89	1146.81
10.0	872.40	871.38	878.66	886.18	894.89	911.88	928.07	954.37	980.49	1002.78
12.5	697.58	697.95	707.54	716.91	730.62	743.32	768.99	795.88	827.17	853.89
15.0	556.77	559.69	561.80	570.40	583.40	600.16	624.10	649.49	677.73	709.86
17.5	447.22	449.01	450.10	458.99	468.15	484.64	503.04	525.44	550.45	580.86
20.0	369.09	371.28	371.41	377.88	386.02	397.07	410.08	426.82	447.75	471.89
22.5	310.37	311.51	312.13	316.15	322.65	331.02	341.05	352.47	368.48	387.33
25.0	265.51	265.95	266.73	269.11	273.93	279.74	286.97	294.64	307.00	320.84
27.5	238.67	238.43	237.36	236.46	237.39	239.80	244.93	249.73	258.85	268.65
30.0	204.48	204.50	206.43	207.65	207.96	209.13	211.50	214.39	221.08	228.35
32.5	164.45	164.47	167.87	171.04	175.27	179.58	182.24	184.84	190.25	196.08
35.0	135.71	135.75	138.31	140.93	145.74	151.38	155.41	159.56	164.61	169.94
37.5	110.72	110.78	113.18	115.69	121.10	127.05	131.48	137.16	141.90	147.89
40.0	95.39	95.44	96.26	97.52	101.13	105.67	110.72	116.84	122.10	128.22
42.5	83.63	83.67	84.12	84.85	86.87	89.73	93.97	99.49	105.02	111.30
45.0	74.00	74.07	74.27	74.78	76.16	78.16	81.12	85.47	90.68	96.66
47.5	65.66	65.34	65.55	66.03	67.17	68.90	71.08	74.54	78.88	84.19
50.0	58.01	57.78	57.98	58.46	59.46	61.06	62.71	65.55	69.07	73.63
52.5	50.89	50.69	50.91	51.53	52.50	54.08	55.55	57.90	60.70	64.64
55.0	44.15	44.17	44.62	45.35	46.31	47.69	49.12	51.22	53.54	56.87
57.5	38.21	38.26	38.78	39.58	40.57	41.99	43.22	45.08	47.17	50.03
60.0	32.60	32.78	33.39	34.19	35.24	36.63	37.88	39.65	41.51	44.01
62.5	27.76	27.91	28.46	29.40	30.46	31.81	32.98	34.60	36.35	38.58
65.0	23.26	23.52	24.07	24.99	26.09	27.42	28.53	30.00	31.53	33.52
67.5	19.57	19.84	20.35	21.18	22.17	23.35	24.45	25.86	27.19	28.98
70.0	16.46	16.67	17.01	17.74	18.61	19.68	20.65	21.88	23.13	24.69
72.5	13.80	13.94	14.21	14.78	15.44	16.35	17.24	18.32	19.39	20.71
75.0	9.86	9.96	10.10	10.49	10.94	11.53	12.15	12.97	13.73	14.65
77.5	6.75	6.85	6.98	7.20	7.47	7.88	8.24	8.75	9.24	9.89
80.0	4.41	4.48	4.54	4.71	4.85	5.04	5.24	5.52	5.80	6.18
82.5	2.66	2.66	2.70	2.76	2.82	2.94	3.05	3.18	3.31	3.51
85.0	1.33	1.36	1.38	1.40	1.41	1.47	1.53	1.57	1.62	1.71
87.5	0.52	0.52	0.53	0.54	0.56	0.57	0.58	0.59	0.62	0.65
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	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56	1348.56
2.5	1328.82	1330.94	1332.42	1333.92	1334.82	1335.59	1336.15	1336.22	1335.74
5.0	1265.30	1275.34	1284.01	1289.31	1296.22	1299.25	1302.81	1304.23	1305.48
7.5	1160.88	1180.24	1197.30	1210.83	1220.74	1232.58	1240.11	1245.61	1247.21
10.0	1028.77	1057.07	1081.48	1104.90	1125.57	1140.42	1153.44	1159.91	1163.76
12.5	889.65	918.96	948.67	981.07	1004.11	1023.68	1042.29	1051.06	1056.78
15.0	745.18	777.02	813.57	846.96	872.03	894.12	914.72	923.40	929.54
17.5	612.23	642.76	678.50	711.59	736.75	759.50	781.21	790.55	797.99
20.0	498.37	524.37	557.92	585.38	608.80	630.11	650.41	658.42	664.91
22.5	406.16	426.09	452.93	475.32	495.18	512.95	530.10	536.96	542.98
25.0	334.72	349.37	369.11	385.80	400.89	414.05	427.00	432.25	437.04
27.5	278.38	288.94	303.14	315.33	326.31	335.78	345.19	348.67	351.97
30.0	235.04	242.53	252.30	260.59	268.19	274.66	281.29	283.81	286.27

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CANDELA TABULATION - (Cont.)

32.5	201.33	206.96	213.87	219.52	224.66	228.83	233.15	234.41	235.67
35.0	174.20	178.60	183.74	187.96	191.71	194.45	197.27	198.08	198.94
37.5	151.66	155.67	160.01	163.28	166.10	168.00	170.07	170.44	170.79
40.0	132.29	136.30	140.36	143.28	145.70	147.22	148.82	149.00	149.21
42.5	115.80	119.89	123.75	126.55	128.95	130.31	131.68	131.87	132.07
45.0	101.36	105.56	109.48	112.37	114.83	116.19	117.58	117.67	117.75
47.5	88.79	92.93	96.78	99.78	102.43	104.02	105.57	105.93	106.27
50.0	77.93	81.93	85.74	88.78	91.52	93.39	95.24	95.56	95.83
52.5	68.51	72.20	75.81	78.92	81.83	84.01	86.10	86.69	87.25
55.0	60.17	63.62	67.12	70.21	73.18	75.58	77.95	78.69	79.39
57.5	52.89	56.00	59.25	62.32	65.36	68.07	70.76	71.51	72.20
60.0	46.49	49.26	52.16	55.09	58.09	60.97	63.83	64.83	65.80
62.5	40.70	43.16	45.85	48.71	51.59	54.42	57.27	58.35	59.39
65.0	35.47	37.70	40.01	42.69	45.43	48.30	51.19	52.36	53.51
67.5	30.73	32.69	34.77	37.20	39.74	42.50	45.32	46.39	47.43
70.0	26.21	27.93	29.73	31.93	34.19	36.76	39.36	40.40	41.42
72.5	22.00	23.53	25.12	27.01	28.98	31.28	33.66	34.50	35.33
75.0	15.57	16.66	17.80	19.22	20.70	22.37	24.08	24.78	25.47
77.5	10.49	11.16	11.89	12.87	13.88	15.03	16.21	16.77	17.33
80.0	6.54	7.00	7.48	8.06	8.67	9.35	10.06	10.36	10.67
82.5	3.69	3.91	4.15	4.48	4.81	5.17	5.57	5.71	5.87
85.0	1.79	1.88	1.98	2.13	2.29	2.43	2.60	2.66	2.72
87.5	0.44	0.48	0.51	0.56	0.61	0.65	0.70	0.72	0.75
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	313.07	N.A.	41.10
0-30	470.05	N.A.	61.80
0-40	577.30	N.A.	75.90
0-60	705.50	N.A.	92.70
0-80	758.26	N.A.	99.70
0-90	760.88	N.A.	100.00
10-90	648.89	N.A.	85.30
20-40	264.24	N.A.	34.70
20-50	338.99	N.A.	44.60
40-70	163.74	N.A.	21.50
60-80	52.76	N.A.	6.90
70-80	17.22	N.A.	2.30
80-90	2.61	N.A.	0.30
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	760.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.99
10-20	201.08
20-30	156.98
30-40	107.26
40-50	74.75
50-60	53.44
60-70	35.54
70-80	17.22
80-90	2.61
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

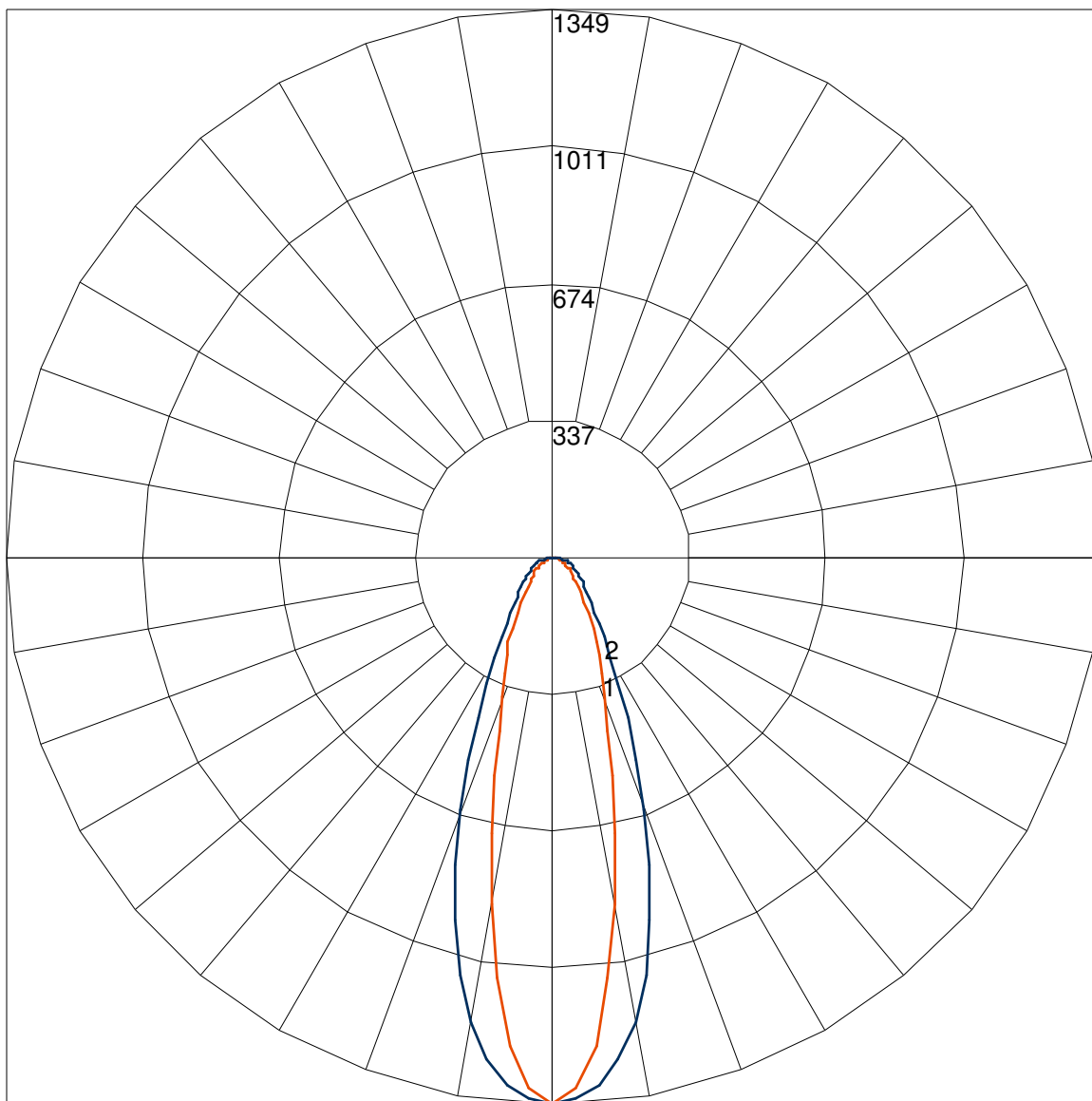
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	100	92	86	82	97	91	85	81	88	83	80	85	82	79	83	80	77	76
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	74	68	63	83	74	67	63	72	67	62	71	66	62	69	65	62	60
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47

POLAR GRAPH



Maximum Candela = 1348.56 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)