



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

IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X75-UNVET5-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4517
[TESTLAB] Tempo LLC
[ISSUEDATE] 7/5/2023 10:25:47 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X75-UNVET5-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.06 VAC, 0.0317 A, 0.9676 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	293
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	3.81
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	0.68
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	4058	8459	21746
55	3227	6592	13139
65	2501	5348	9817
75	1746	3728	6750
85	581	902	1453

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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	306.70	306.70	306.70	306.70	306.70	306.70	306.70	306.70	306.70	306.70
2.5	297.64	295.17	293.78	292.96	292.96	292.63	294.43	295.43	295.80	296.27
5.0	272.48	270.39	268.89	269.22	270.56	271.50	273.24	275.94	279.90	282.69
7.5	236.23	234.49	233.27	235.02	237.77	240.43	244.27	248.36	255.19	261.76
10.0	196.90	195.45	194.49	197.34	201.12	205.36	210.89	217.18	225.98	235.56
12.5	160.54	159.50	158.88	162.31	166.51	171.65	178.04	185.72	195.80	207.39
15.0	130.75	130.10	129.75	133.15	137.20	143.07	149.02	157.26	167.71	180.34
17.5	107.92	107.62	107.54	110.65	114.24	119.67	125.30	133.36	143.33	156.13
20.0	91.15	91.17	91.34	93.97	96.96	101.77	106.79	114.22	123.27	135.58
22.5	78.56	78.79	79.12	81.48	84.10	88.32	92.68	99.24	107.16	118.50
25.0	68.37	68.81	69.32	71.47	73.82	77.70	81.69	87.55	94.45	104.61
27.5	60.14	60.69	61.31	63.29	65.43	68.98	72.61	78.00	84.18	93.23
30.0	51.79	52.79	53.85	55.92	58.11	61.42	64.76	69.80	75.44	83.68
32.5	43.77	44.77	45.82	48.17	50.63	54.16	57.69	62.48	67.71	75.44
35.0	36.92	37.91	38.95	41.28	43.70	47.27	50.85	55.65	60.81	68.18
37.5	31.41	32.27	33.16	35.31	37.56	41.09	44.61	49.43	54.55	61.61
40.0	27.24	27.93	28.66	30.53	32.49	35.70	38.94	43.75	48.82	55.60
42.5	24.04	24.64	25.28	26.84	28.47	31.28	34.11	38.73	43.57	50.03
45.0	21.53	22.08	22.64	23.93	25.28	27.66	30.06	34.34	38.81	44.88
47.5	19.38	19.89	20.42	21.52	22.66	24.64	26.64	30.52	34.56	40.17
50.0	17.37	17.86	18.37	19.36	20.39	22.07	23.80	27.19	30.74	35.83
52.5	15.57	16.02	16.48	17.39	18.32	19.82	21.34	24.31	27.39	31.91
55.0	13.89	14.30	14.73	15.54	16.38	17.73	19.10	21.72	24.42	28.37
57.5	12.25	12.65	13.06	13.81	14.58	15.83	17.08	19.37	21.74	25.14
60.0	10.72	11.09	11.48	12.17	12.88	14.04	15.19	17.22	19.30	22.19
62.5	9.28	9.61	9.96	10.60	11.26	12.34	13.41	15.21	17.05	19.48
65.0	7.93	8.24	8.56	9.17	9.79	10.76	11.71	13.31	14.93	16.96
67.5	6.75	7.02	7.28	7.83	8.38	9.25	10.10	11.51	12.93	14.62
70.0	5.68	5.91	6.14	6.59	7.06	7.84	8.60	9.82	11.04	12.45
72.5	4.74	4.93	5.13	5.49	5.84	6.52	7.17	8.20	9.23	10.38
75.0	3.39	3.50	3.61	3.84	4.08	4.55	4.99	5.71	6.43	7.24
77.5	2.29	2.36	2.42	2.56	2.71	3.00	3.27	3.74	4.21	4.74
80.0	1.45	1.48	1.52	1.59	1.67	1.83	1.98	2.24	2.51	2.82
82.5	0.82	0.83	0.84	0.88	0.91	0.99	1.07	1.19	1.31	1.46
85.0	0.38	0.38	0.39	0.40	0.41	0.44	0.47	0.50	0.54	0.59
87.5	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16
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	306.70	306.70	306.70	306.70	306.70	306.70	306.70	306.70	306.70
2.5	296.74	297.19	297.82	298.61	299.02	299.29	299.50	299.56	299.60
5.0	285.19	287.57	290.18	291.78	293.57	294.85	295.97	296.46	296.90
7.5	266.86	271.89	276.92	281.05	284.83	288.01	290.28	291.73	292.39
10.0	243.72	251.74	259.68	266.99	273.14	279.09	282.62	285.79	286.11
12.5	218.30	229.46	240.01	250.41	259.53	268.21	273.56	278.39	278.80
15.0	192.98	206.21	219.35	232.53	244.74	255.87	263.50	269.53	270.59
17.5	169.47	184.00	198.96	214.45	229.45	243.01	253.08	260.27	262.07
20.0	148.72	163.75	179.75	197.38	214.42	230.30	242.95	251.46	254.17
22.5	130.88	145.94	162.26	181.25	200.30	218.45	233.69	243.51	247.23
25.0	115.87	130.52	146.67	166.64	187.28	207.62	225.44	236.68	241.59
27.5	103.32	117.28	132.94	153.62	175.41	197.80	218.08	230.65	236.76
30.0	92.84	105.99	120.82	141.68	163.97	188.00	210.33	224.02	231.30

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CANDELA TABULATION - (Cont.)

32.5	83.98	96.19	109.93	130.19	151.98	176.61	199.95	214.11	222.22
35.0	76.18	87.33	99.70	118.57	138.92	162.96	186.01	200.07	207.99
37.5	69.15	79.21	90.17	107.04	125.09	146.84	167.84	180.61	188.03
40.0	62.74	71.71	81.26	95.53	110.63	129.05	146.90	157.62	163.95
42.5	56.75	64.63	72.82	84.50	96.62	111.17	125.24	133.68	138.74
45.0	51.14	58.02	65.04	74.43	83.95	94.79	105.26	111.55	115.38
47.5	45.91	51.91	57.91	65.36	72.76	80.72	88.36	92.80	95.51
50.0	41.01	46.26	51.43	57.33	63.06	68.92	74.51	77.66	79.57
52.5	36.50	41.13	45.67	50.35	54.84	59.14	63.22	65.41	66.74
55.0	32.38	36.48	40.48	44.29	47.88	51.08	54.10	55.64	56.55
57.5	28.59	32.24	35.76	38.94	41.89	44.34	46.63	47.78	48.47
60.0	25.10	28.32	31.44	34.13	36.64	38.60	40.44	41.29	41.77
62.5	21.93	24.75	27.47	29.76	31.87	33.45	34.94	35.61	35.99
65.0	19.02	21.44	23.78	25.76	27.58	28.92	30.19	30.78	31.13
67.5	16.34	18.41	20.38	22.08	23.64	24.77	25.84	26.35	26.65
70.0	13.86	15.57	17.22	18.67	20.00	20.95	21.86	22.32	22.59
72.5	11.55	12.95	14.28	15.49	16.60	17.41	18.21	18.62	18.86
75.0	8.04	9.00	9.91	10.76	11.52	12.08	12.63	12.93	13.11
77.5	5.27	5.87	6.43	6.98	7.47	7.83	8.19	8.41	8.54
80.0	3.13	3.47	3.78	4.11	4.40	4.61	4.82	4.97	5.04
82.5	1.61	1.77	1.92	2.09	2.22	2.32	2.42	2.50	2.53
85.0	0.64	0.70	0.75	0.81	0.85	0.88	0.91	0.94	0.95
87.5	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.20	0.20
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	78.63	N.A.	26.80
0-30	137.80	N.A.	47.00
0-40	194.35	N.A.	66.30
0-60	265.55	N.A.	90.50
0-80	292.30	N.A.	99.60
0-90	293.35	N.A.	100.00
10-90	267.84	N.A.	91.30
20-40	115.72	N.A.	39.40
20-50	158.26	N.A.	53.90
40-70	89.52	N.A.	30.50
60-80	26.76	N.A.	9.10
70-80	8.43	N.A.	2.90
80-90	1.05	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	293.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.50
10-20	53.13
20-30	59.17
30-40	56.55
40-50	42.54
50-60	28.65
60-70	18.32
70-80	8.43
80-90	1.05
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

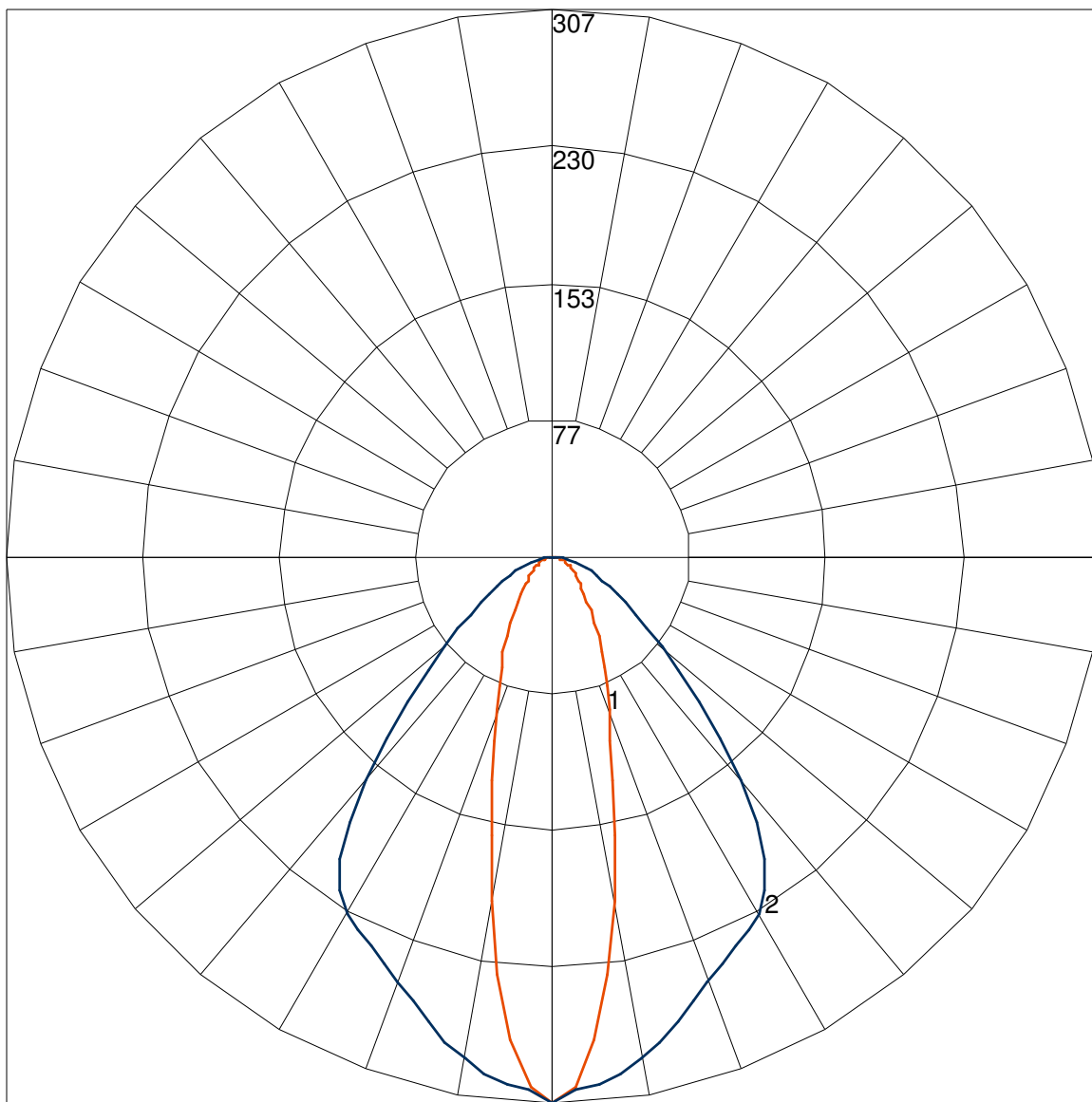
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	96	91	86	92	88	84	89	86	83	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	60	71	65	60	69	63	59	67	62	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38

POLAR GRAPH



Maximum Candela = 306.7 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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