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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X75-UNVE5-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4497
[TESTLAB] Tempo LLC
[ISSUEDATE] 5/9/2023 1:14:03 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X75-UNVE5-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.14 VAC, 0.0320 A, 0.9525 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	335
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	3.85
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	0.58
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	4504	8055	30832
55	3541	6843	17579
65	2567	5818	11791
75	1776	4578	8934
85	673	2064	4297

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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	408.57	408.57	408.57	408.57	408.57	408.57	408.57	408.57	408.57	408.57
2.5	394.20	394.30	394.39	394.36	394.32	394.80	395.28	395.83	396.38	397.48
5.0	342.77	343.76	344.74	346.86	348.99	352.38	355.78	360.07	364.36	369.41
7.5	277.35	279.09	280.82	285.03	289.24	295.72	302.20	310.68	319.15	329.16
10.0	216.01	218.00	219.99	225.20	230.39	238.66	246.92	258.35	269.77	283.93
12.5	166.41	168.28	170.15	175.45	180.74	189.38	198.02	210.60	223.19	239.71
15.0	129.38	130.98	132.58	137.37	142.15	150.21	158.26	170.73	183.19	200.49
17.5	102.87	104.29	105.71	109.84	113.97	121.00	128.03	139.40	150.77	167.65
20.0	83.13	84.39	85.64	89.28	92.92	99.27	105.61	115.62	125.62	141.17
22.5	68.76	69.86	70.95	74.06	77.18	82.76	88.33	97.37	106.41	120.27
25.0	58.08	59.06	60.03	62.75	65.46	70.36	75.26	83.14	91.01	103.61
27.5	50.15	50.98	51.82	54.23	56.63	60.93	65.23	72.02	78.80	90.08
30.0	44.25	44.95	45.65	47.76	49.87	53.58	57.28	63.13	68.97	78.99
32.5	39.53	40.19	40.85	42.74	44.62	47.78	50.94	56.03	61.10	69.97
35.0	35.72	36.32	36.92	38.65	40.37	43.10	45.83	50.25	54.65	62.60
37.5	32.44	33.00	33.56	35.13	36.70	39.13	41.55	45.45	49.34	56.47
40.0	29.40	29.96	30.51	31.98	33.44	35.66	37.88	41.44	44.99	51.28
42.5	26.50	27.10	27.70	29.10	30.50	32.53	34.55	37.85	41.15	46.76
45.0	23.90	24.47	25.03	26.36	27.68	29.61	31.54	34.67	37.80	42.74
47.5	21.46	22.00	22.55	23.80	25.05	26.87	28.69	31.69	34.69	39.06
50.0	19.28	19.74	20.21	21.39	22.57	24.29	26.00	28.88	31.75	35.65
52.5	17.20	17.66	18.11	19.18	20.24	21.87	23.49	26.24	28.99	32.45
55.0	15.24	15.70	16.15	17.09	18.03	19.56	21.10	23.74	26.38	29.45
57.5	13.38	13.81	14.23	15.10	15.97	17.41	18.84	21.33	23.80	26.56
60.0	11.50	11.91	12.32	13.16	13.99	15.33	16.65	18.97	21.28	23.77
62.5	9.78	10.15	10.51	11.31	12.11	13.37	14.62	16.73	18.83	21.08
65.0	8.14	8.50	8.84	9.58	10.30	11.48	12.64	14.55	16.46	18.45
67.5	6.72	7.01	7.31	7.98	8.64	9.72	10.78	12.46	14.14	15.91
70.0	5.47	5.71	5.95	6.52	7.08	8.06	9.02	10.49	11.95	13.46
72.5	4.41	4.59	4.76	5.24	5.70	6.53	7.34	8.59	9.83	11.14
75.0	3.45	3.59	3.73	4.07	4.40	5.08	5.75	6.79	7.82	8.89
77.5	2.55	2.67	2.79	3.03	3.27	3.78	4.28	5.07	5.84	6.71
80.0	1.83	1.89	1.95	2.12	2.28	2.63	2.98	3.54	4.10	4.73
82.5	1.07	1.13	1.18	1.27	1.36	1.59	1.81	2.15	2.49	2.91
85.0	0.44	0.47	0.51	0.55	0.58	0.71	0.83	0.98	1.13	1.35
87.5	0.13	0.14	0.14	0.15	0.15	0.17	0.19	0.23	0.26	0.30
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	408.57	408.57	408.57	408.57	408.57	408.57	408.57	408.57	408.57
2.5	398.57	399.59	400.60	401.44	402.27	402.77	403.27	403.44	403.60
5.0	374.45	379.34	384.22	388.54	392.85	395.57	398.29	399.39	400.47
7.5	339.16	349.47	359.77	368.94	378.11	384.41	390.71	392.90	395.08
10.0	298.08	313.68	329.27	343.99	358.70	369.37	380.03	383.92	387.81
12.5	256.23	276.03	295.83	315.95	336.06	351.72	367.37	373.24	379.10
15.0	217.78	240.15	262.53	287.32	312.12	332.64	353.17	361.24	369.31
17.5	184.52	207.83	231.14	259.49	287.84	313.21	338.58	349.01	359.44
20.0	156.72	179.84	202.94	233.55	264.16	294.00	323.84	336.79	349.74
22.5	134.13	156.14	178.15	210.00	241.86	275.84	309.81	325.33	340.85
25.0	116.21	136.53	156.85	189.25	221.65	259.20	296.74	315.14	333.53
27.5	101.34	120.16	138.98	171.22	203.45	244.09	284.72	305.70	326.67
30.0	88.99	106.51	124.01	155.23	186.45	228.98	271.50	294.67	317.84

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32.5	78.84	94.96	111.08	140.28	169.47	212.12	254.77	279.13	303.49
35.0	70.54	84.99	99.44	125.90	152.36	193.03	233.69	257.88	282.06
37.5	63.59	76.25	88.91	112.14	135.36	172.39	209.41	232.48	255.55
40.0	57.57	68.49	79.41	99.33	119.25	151.56	183.86	204.57	225.28
42.5	52.37	61.61	70.84	87.44	104.03	131.11	158.18	176.02	193.86
45.0	47.68	55.44	63.21	76.66	90.11	112.14	134.16	148.88	163.59
47.5	43.42	49.87	56.32	67.04	77.77	95.43	113.10	124.41	135.73
50.0	39.55	44.91	50.26	58.81	67.36	80.95	94.54	103.27	111.99
52.5	35.90	40.40	44.90	51.72	58.53	68.80	79.06	85.46	91.86
55.0	32.52	36.33	40.14	45.60	51.07	58.77	66.47	71.07	75.66
57.5	29.32	32.59	35.85	40.29	44.72	50.45	56.18	59.47	62.76
60.0	26.25	29.10	31.95	35.57	39.20	43.52	47.83	50.19	52.54
62.5	23.32	25.80	28.27	31.29	34.30	37.59	40.87	42.55	44.24
65.0	20.44	22.63	24.81	27.35	29.87	32.39	34.90	36.15	37.39
67.5	17.66	19.61	21.54	23.65	25.75	27.71	29.67	30.59	31.51
70.0	14.97	16.65	18.33	20.06	21.79	23.35	24.91	25.61	26.31
72.5	12.44	13.85	15.25	16.68	18.10	19.30	20.50	21.09	21.68
75.0	9.96	11.11	12.26	13.40	14.54	15.47	16.40	16.88	17.35
77.5	7.57	8.50	9.42	10.29	11.15	11.84	12.53	12.87	13.21
80.0	5.37	6.04	6.71	7.33	7.95	8.46	8.96	9.19	9.41
82.5	3.33	3.78	4.22	4.62	5.01	5.33	5.65	5.76	5.88
85.0	1.56	1.78	2.00	2.20	2.39	2.55	2.71	2.76	2.81
87.5	0.35	0.41	0.47	0.50	0.54	0.58	0.61	0.60	0.59
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	95.62	N.A.	28.50
0-30	161.52	N.A.	48.20
0-40	223.37	N.A.	66.70
0-60	302.85	N.A.	90.40
0-80	333.03	N.A.	99.40
0-90	335.08	N.A.	100.00
10-90	302.24	N.A.	90.20
20-40	127.75	N.A.	38.10
20-50	175.31	N.A.	52.30
40-70	99.56	N.A.	29.70
60-80	30.18	N.A.	9.00
70-80	10.10	N.A.	3.00
80-90	2.05	N.A.	0.60
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	335.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	32.85
10-20	62.77
20-30	65.91
30-40	61.85
40-50	47.55
50-60	31.93
60-70	20.08
70-80	10.10
80-90	2.05
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

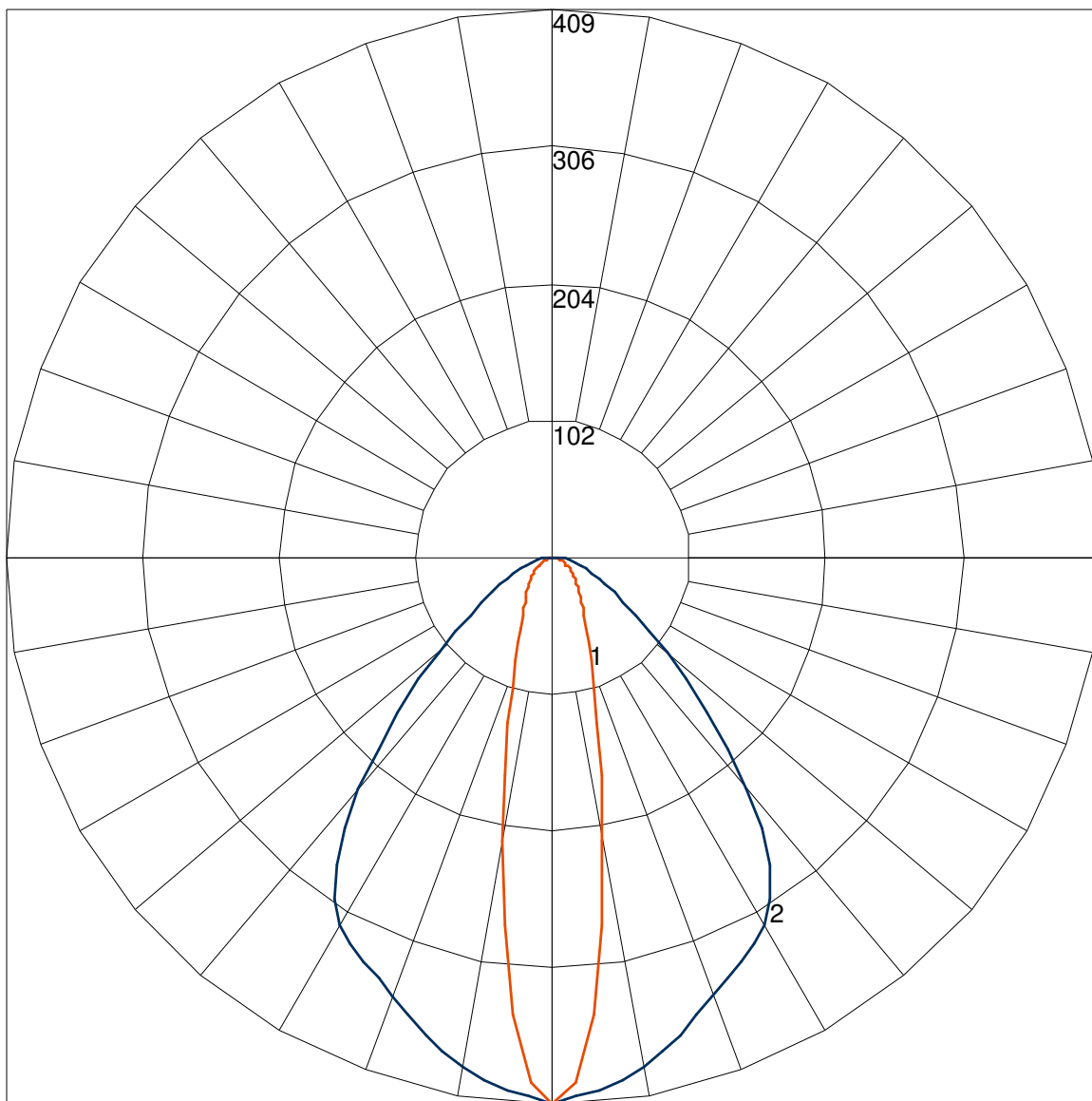
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	102	102	102	100
1	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	96	91	86	92	88	85	89	86	83	86	83	81	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	52
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	41	62	52	45	41	51	45	40	50	44	40	49	44	40	39

POLAR GRAPH



Maximum Candela = 408.57 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)