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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X75-UNVET12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4513
[TESTLAB] Tempo LLC
[ISSUEDATE] 6/30/2023 2:46:35 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X75-UNVET12-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.05 VAC, 0.1017 A, 0.9895 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	12.21
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	13560	26576	69604
55	10802	20869	41709
65	8445	17155	31194
75	5916	12167	21909
85	1835	3838	7401

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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	951.61	951.61	951.61	951.61	951.61	951.61	951.61	951.61	951.61	951.61
2.5	922.92	923.08	923.74	924.38	925.19	926.54	928.37	930.21	932.40	934.96
5.0	843.55	844.63	846.06	850.38	853.40	859.06	865.74	873.42	882.73	891.25
7.5	728.32	730.74	736.06	743.38	752.27	762.63	774.52	788.05	804.81	823.03
10.0	607.49	608.45	612.24	620.46	632.98	649.04	666.92	687.49	709.35	735.78
12.5	496.98	497.61	501.28	509.06	521.94	539.65	558.33	583.93	609.39	641.45
15.0	403.17	404.55	409.98	418.27	429.51	446.49	467.38	488.88	521.81	555.73
17.5	333.05	337.72	341.00	348.80	358.84	373.09	391.65	415.62	444.92	480.21
20.0	284.59	286.31	290.67	296.42	306.06	317.67	335.14	358.02	383.55	415.79
22.5	247.39	247.44	252.05	257.07	266.21	276.96	291.84	310.94	332.77	363.75
25.0	216.83	217.27	221.00	226.58	234.35	244.29	257.20	274.89	294.68	322.52
27.5	191.31	192.23	195.36	200.21	207.02	217.31	228.76	245.33	263.56	288.63
30.0	168.51	169.84	171.59	177.23	183.52	193.58	204.55	220.08	237.33	260.19
32.5	143.62	145.10	147.11	154.15	161.52	172.05	183.10	197.97	214.59	235.22
35.0	121.78	123.53	125.73	132.39	140.05	151.01	163.02	177.28	193.77	212.88
37.5	104.07	105.40	108.19	113.75	121.20	131.64	144.32	157.90	174.64	192.55
40.0	90.37	91.22	93.77	98.52	105.56	114.80	126.78	140.25	156.67	173.88
42.5	80.08	80.56	82.88	86.60	92.73	100.30	111.75	123.74	140.32	156.90
45.0	71.95	72.21	74.29	77.23	82.35	88.53	98.58	109.20	124.97	141.01
47.5	64.80	64.97	66.97	69.34	74.04	78.78	87.56	96.86	111.31	126.51
50.0	58.24	58.33	60.25	62.41	66.64	70.88	78.21	85.93	99.12	113.09
52.5	52.17	52.13	54.07	56.17	59.92	63.72	70.03	77.00	88.44	100.98
55.0	46.49	46.61	48.36	50.31	53.64	57.24	62.73	69.11	78.86	89.82
57.5	41.24	41.38	42.86	44.70	47.73	51.23	56.06	61.80	70.13	79.82
60.0	36.02	36.24	37.76	39.41	42.24	45.42	49.81	55.06	62.28	70.65
62.5	31.22	31.56	32.91	34.52	37.00	39.98	43.85	48.71	54.92	62.16
65.0	26.78	27.17	28.36	29.85	32.09	34.90	38.34	42.76	48.17	54.40
67.5	22.88	23.27	24.21	25.58	27.53	30.05	33.09	37.07	41.75	47.02
70.0	19.30	19.62	20.40	21.60	23.26	25.49	28.16	31.65	35.65	40.18
72.5	16.10	16.45	17.07	18.10	19.36	21.31	23.55	26.53	29.86	33.67
75.0	11.49	11.65	12.08	12.71	13.59	14.93	16.52	18.65	21.03	23.63
77.5	7.78	7.87	8.12	8.51	9.03	9.94	10.95	12.35	13.94	15.67
80.0	4.81	4.91	5.05	5.29	5.56	6.06	6.67	7.53	8.46	9.52
82.5	2.66	2.70	2.77	2.91	3.05	3.34	3.65	4.10	4.59	5.20
85.0	1.20	1.25	1.26	1.33	1.40	1.54	1.70	1.92	2.18	2.51
87.5	0.41	0.42	0.43	0.45	0.49	0.38	0.44	0.53	0.63	0.75
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	951.61	951.61	951.61	951.61	951.61	951.61	951.61	951.61	951.61
2.5	937.46	939.37	940.83	942.33	943.90	945.27	946.21	947.28	948.38
5.0	899.06	907.03	914.99	922.79	928.38	931.98	935.05	937.32	939.45
7.5	842.09	859.67	874.90	889.28	903.53	914.20	919.26	922.25	925.54
10.0	760.70	789.16	815.29	837.54	861.41	879.82	890.69	899.67	905.61
12.5	678.57	713.19	751.40	783.49	813.33	844.20	860.47	874.64	883.30
15.0	592.93	636.52	681.68	724.15	765.03	803.65	828.08	847.03	859.02
17.5	516.81	565.39	615.48	665.95	716.39	763.03	795.64	819.09	834.38
20.0	454.32	501.77	554.12	610.69	668.87	723.37	763.91	792.00	811.87
22.5	399.95	446.75	498.92	558.99	622.54	685.25	733.35	765.89	789.76
25.0	355.37	397.88	450.84	511.13	578.93	647.87	702.87	739.46	767.40
27.5	318.19	356.23	409.01	466.49	536.57	609.29	670.87	711.16	742.81
30.0	287.49	320.02	370.40	424.58	495.20	569.70	636.07	678.89	713.42

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32.5	260.65	288.38	335.43	385.40	454.48	528.28	597.41	641.71	678.15
35.0	236.57	261.74	303.71	349.04	413.74	484.41	553.48	597.21	633.40
37.5	214.57	237.56	274.38	315.18	373.00	437.67	503.05	544.41	578.59
40.0	194.64	215.87	247.64	283.69	332.61	388.55	446.58	482.80	512.41
42.5	176.27	196.03	222.89	253.67	293.24	338.85	386.93	416.53	440.29
45.0	159.17	177.60	200.17	225.77	256.46	291.88	329.24	351.58	369.31
47.5	143.27	160.40	179.20	200.16	223.72	250.01	277.34	293.40	306.11
50.0	128.82	144.24	160.25	177.30	195.16	214.21	233.56	244.51	253.15
52.5	115.33	129.29	143.05	156.94	170.71	184.70	198.64	206.09	211.89
55.0	102.74	115.29	127.26	138.71	149.62	160.02	170.15	175.42	179.51
57.5	91.25	102.36	112.83	122.44	131.24	139.14	146.70	150.34	153.14
60.0	80.60	90.30	99.62	107.82	115.18	121.44	127.33	129.95	131.95
62.5	70.66	79.15	87.38	94.50	100.83	105.87	110.55	112.58	114.15
65.0	61.80	68.92	76.25	82.33	87.76	92.02	96.01	97.67	98.92
67.5	53.15	59.30	65.70	70.92	75.59	79.18	82.54	83.98	85.07
70.0	45.29	50.43	55.88	60.35	64.39	67.34	70.07	71.41	72.51
72.5	37.88	42.11	46.65	50.42	53.85	56.35	58.70	59.81	60.67
75.0	26.49	29.44	32.64	35.24	37.68	39.51	41.22	41.97	42.55
77.5	17.56	19.44	21.50	23.29	24.99	26.16	27.26	27.78	28.18
80.0	10.68	11.84	13.09	14.18	15.25	16.04	16.78	17.16	17.44
82.5	5.89	6.57	7.28	7.95	8.61	9.11	9.57	9.81	9.96
85.0	2.88	2.93	3.34	3.71	4.08	4.35	4.61	4.76	4.84
87.5	0.88	1.02	1.17	1.31	1.45	1.56	1.68	1.71	1.74
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	246.46	N.A.	26.80
0-30	430.38	N.A.	46.90
0-40	603.66	N.A.	65.80
0-60	827.61	N.A.	90.20
0-80	914.05	N.A.	99.60
0-90	917.99	N.A.	100.00
10-90	837.60	N.A.	91.20
20-40	357.20	N.A.	38.90
20-50	490.27	N.A.	53.40
40-70	282.76	N.A.	30.80
60-80	86.44	N.A.	9.40
70-80	27.63	N.A.	3.00
80-90	3.94	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	917.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.39
10-20	166.08
20-30	183.92
30-40	173.28
40-50	133.08
50-60	90.87
60-70	58.81
70-80	27.63
80-90	3.94
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

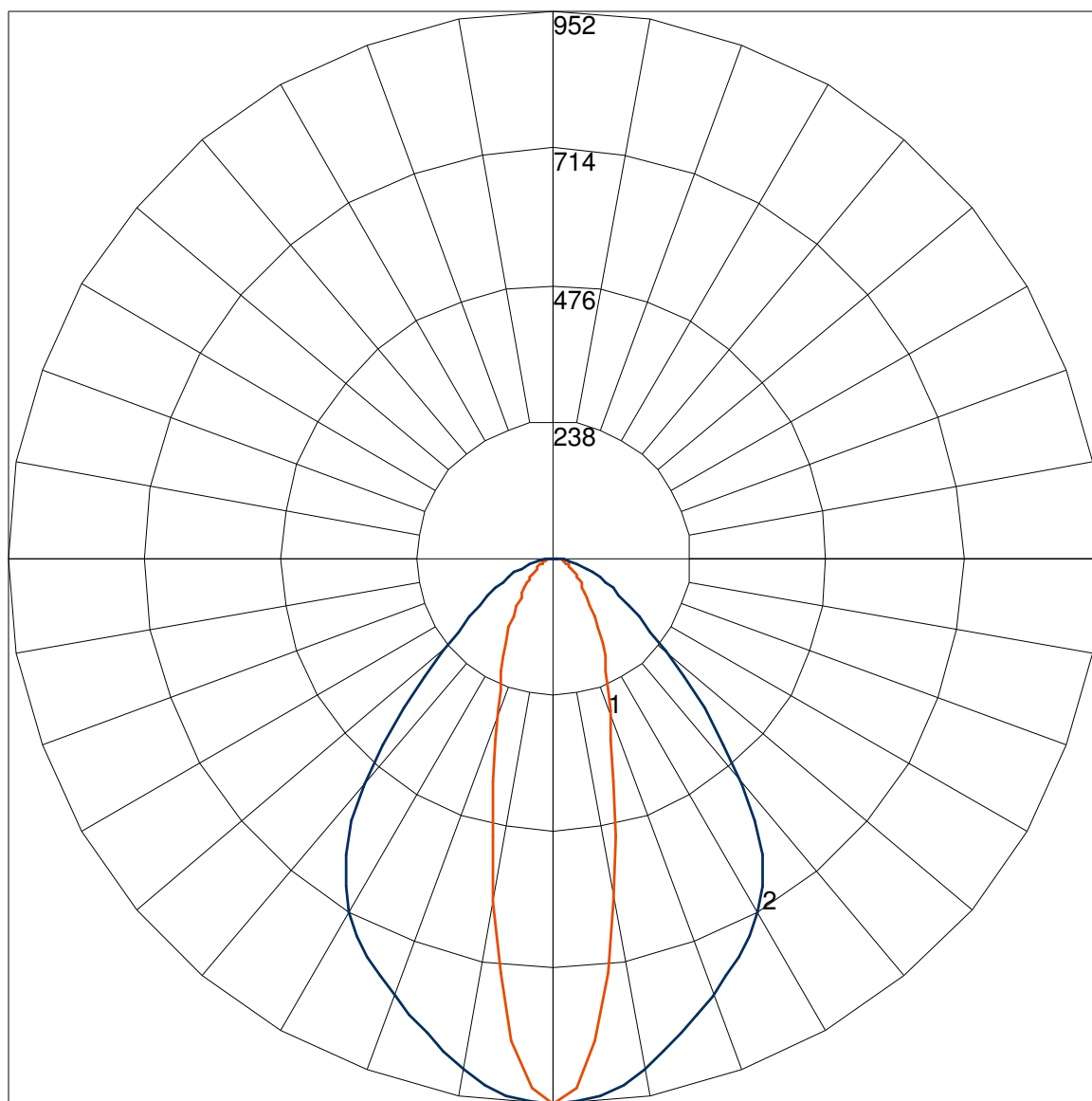
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	102	100	101	99	97	97	96	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	77	71	66	74	69	65	72	68	65	63
5	84	73	66	60	82	72	65	60	70	64	60	69	63	59	67	62	58	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44
9	66	54	47	43	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 = 951.61 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)