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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X25-UNVE5-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4495
[TESTLAB] Tempo LLC
[ISSUEDATE] 5/9/2023 10:48:57 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X25-UNVE5-35LG-1
[LUMINAIRE] Light gray aluminum housing with clear lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.16 VAC, 0.0320 A, 0.9525 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	369
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	3.85
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.40
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	6370	8992	10464
55	5535	7249	10988
65	4055	5522	8949
75	1066	2605	6761
85	398	459	1606

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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	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50
2.5	1069.03	1069.64	1070.25	1073.03	1075.81	1080.38	1084.94	1090.75	1096.56	1101.80
5.0	884.09	886.47	888.84	899.19	909.54	923.75	937.95	956.55	975.14	993.71
7.5	669.94	673.19	676.45	689.23	702.00	722.66	743.31	770.36	797.40	826.16
10.0	491.27	492.32	493.37	503.05	512.73	531.67	550.61	579.18	607.74	639.28
12.5	359.41	358.80	358.19	361.40	364.60	377.53	390.46	414.41	438.36	466.97
15.0	267.12	265.88	264.64	263.17	261.71	268.97	276.23	293.26	310.27	331.65
17.5	198.97	197.77	196.55	193.18	189.80	193.51	197.21	208.83	220.45	235.93
20.0	149.19	148.60	148.01	144.63	141.25	143.29	145.32	153.45	161.58	171.79
22.5	114.14	113.82	113.50	111.15	108.80	110.45	112.08	118.11	124.12	131.41
25.0	89.98	89.82	89.65	88.49	87.32	88.98	90.63	95.23	99.83	105.20
27.5	73.60	73.48	73.36	73.32	73.26	74.97	76.67	80.43	84.20	88.26
30.0	62.66	62.57	62.47	63.09	63.71	65.49	67.27	70.52	73.77	77.04
32.5	55.16	55.28	55.39	56.29	57.18	59.03	60.87	63.58	66.28	69.01
35.0	49.90	50.19	50.48	51.44	52.40	54.16	55.92	58.41	60.89	63.15
37.5	46.11	46.36	46.61	47.51	48.41	50.08	51.73	54.08	56.43	58.51
40.0	42.75	42.94	43.12	43.95	44.78	46.29	47.80	50.11	52.42	54.58
42.5	38.35	38.66	38.96	40.03	41.10	42.64	44.18	46.45	48.73	51.10
45.0	33.80	33.94	34.09	35.30	36.52	38.50	40.48	42.75	45.03	47.71
47.5	31.20	31.17	31.15	31.61	32.07	33.99	35.90	38.61	41.32	44.07
50.0	28.71	28.67	28.63	28.91	29.18	30.24	31.29	34.21	37.12	40.11
52.5	26.28	26.27	26.24	26.46	26.67	27.44	28.20	30.18	32.16	35.55
55.0	23.82	23.83	23.83	24.12	24.40	25.01	25.61	26.84	28.06	31.20
57.5	21.25	21.35	21.45	21.72	21.98	22.60	23.22	24.18	25.13	27.39
60.0	18.75	18.85	18.95	19.23	19.49	20.03	20.55	21.48	22.40	24.08
62.5	16.01	16.05	16.09	16.37	16.64	17.23	17.81	18.57	19.32	20.87
65.0	12.86	12.96	13.05	13.41	13.76	14.35	14.93	15.60	16.27	17.51
67.5	9.48	9.64	9.79	10.18	10.57	11.17	11.76	12.54	13.32	14.19
70.0	6.39	6.57	6.76	7.07	7.38	7.95	8.52	9.34	10.15	11.03
72.5	3.78	3.96	4.14	4.40	4.66	5.12	5.58	6.32	7.06	7.96
75.0	2.07	2.20	2.34	2.48	2.61	2.96	3.29	3.80	4.30	5.06
77.5	1.12	1.18	1.23	1.28	1.33	1.52	1.70	2.00	2.31	2.83
80.0	0.56	0.60	0.64	0.67	0.69	0.71	0.72	0.82	0.91	1.23
82.5	0.42	0.41	0.38	0.43	0.48	0.45	0.42	0.46	0.49	0.53
85.0	0.26	0.27	0.27	0.28	0.28	0.29	0.30	0.30	0.30	0.30
87.5	0.18	0.19	0.18	0.18	0.18	0.19	0.20	0.20	0.20	0.21
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	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50	1133.50
2.5	1107.04	1112.88	1118.72	1122.72	1126.72	1129.71	1132.69	1133.31	1133.93
5.0	1012.27	1029.41	1046.54	1059.49	1072.44	1080.62	1088.80	1091.96	1095.11
7.5	854.92	881.70	908.48	930.62	952.75	967.43	982.10	987.28	992.45
10.0	670.81	703.10	735.40	764.28	793.15	813.68	834.21	841.03	847.84
12.5	495.58	527.81	560.04	590.30	620.56	642.74	664.90	672.64	680.38
15.0	353.02	379.94	406.85	433.11	459.38	479.37	499.35	506.17	512.97
17.5	251.40	271.19	290.98	310.27	329.55	344.42	359.28	364.45	369.61
20.0	182.00	195.53	209.06	222.22	235.38	245.02	254.66	258.42	262.18
22.5	138.70	147.12	155.53	163.25	170.96	176.99	183.01	184.99	186.97
25.0	110.55	115.93	121.30	125.55	129.80	132.72	135.63	136.54	137.45
27.5	92.32	95.88	99.44	101.35	103.26	104.56	105.85	106.11	106.36
30.0	80.30	82.46	84.61	85.52	86.43	86.75	87.07	87.00	86.93

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32.5	71.73	73.16	74.57	74.95	75.33	75.32	75.31	75.09	74.86
35.0	65.40	66.53	67.65	67.86	68.05	68.11	68.16	68.14	68.11
37.5	60.60	61.78	62.96	63.26	63.56	63.74	63.92	63.94	63.96
40.0	56.73	58.07	59.40	59.75	60.10	60.36	60.63	60.60	60.57
42.5	53.47	54.88	56.28	56.66	57.05	57.41	57.76	57.72	57.67
45.0	50.40	51.84	53.28	53.81	54.33	54.83	55.33	55.43	55.52
47.5	46.81	48.61	50.41	51.16	51.90	52.75	53.60	53.84	54.08
50.0	43.10	45.26	47.43	48.56	49.68	50.88	52.07	52.48	52.89
52.5	38.93	41.58	44.22	45.73	47.22	48.67	50.12	50.66	51.20
55.0	34.33	37.37	40.41	41.96	43.51	44.92	46.32	46.81	47.29
57.5	29.64	32.80	35.95	37.18	38.41	39.66	40.90	41.38	41.85
60.0	25.75	28.44	31.12	32.52	33.92	35.09	36.25	36.71	37.16
62.5	22.41	25.01	27.61	28.87	30.13	31.00	31.88	32.17	32.46
65.0	18.73	21.20	23.66	25.06	26.45	27.22	27.98	28.18	28.38
67.5	15.06	17.24	19.42	21.10	22.79	23.49	24.19	24.35	24.50
70.0	11.89	13.52	15.14	17.09	19.02	19.64	20.25	20.49	20.73
72.5	8.85	10.00	11.14	13.12	15.09	15.77	16.44	16.77	17.10
75.0	5.82	6.68	7.54	9.27	11.00	11.90	12.80	12.97	13.13
77.5	3.35	3.97	4.59	5.77	6.94	8.05	9.15	9.42	9.68
80.0	1.54	1.96	2.37	2.90	3.43	4.66	5.90	6.09	6.29
82.5	0.57	0.70	0.84	1.07	1.30	2.03	2.75	3.08	3.40
85.0	0.30	0.33	0.37	0.40	0.42	0.52	0.61	0.84	1.05
87.5	0.21	0.20	0.20	0.19	0.18	0.19	0.19	0.24	0.30
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	184.82	N.A.	50.10
0-30	237.57	N.A.	64.40
0-40	276.34	N.A.	74.90
0-60	341.79	N.A.	92.70
0-80	368.10	N.A.	99.80
0-90	368.84	N.A.	100.00
10-90	285.40	N.A.	77.40
20-40	91.52	N.A.	24.80
20-50	127.17	N.A.	34.50
40-70	84.66	N.A.	23.00
60-80	26.31	N.A.	7.10
70-80	7.10	N.A.	1.90
80-90	0.73	N.A.	0.20
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	368.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.44
10-20	101.39
20-30	52.74
30-40	38.78
40-50	35.65
50-60	29.80
60-70	19.22
70-80	7.10
80-90	0.73
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

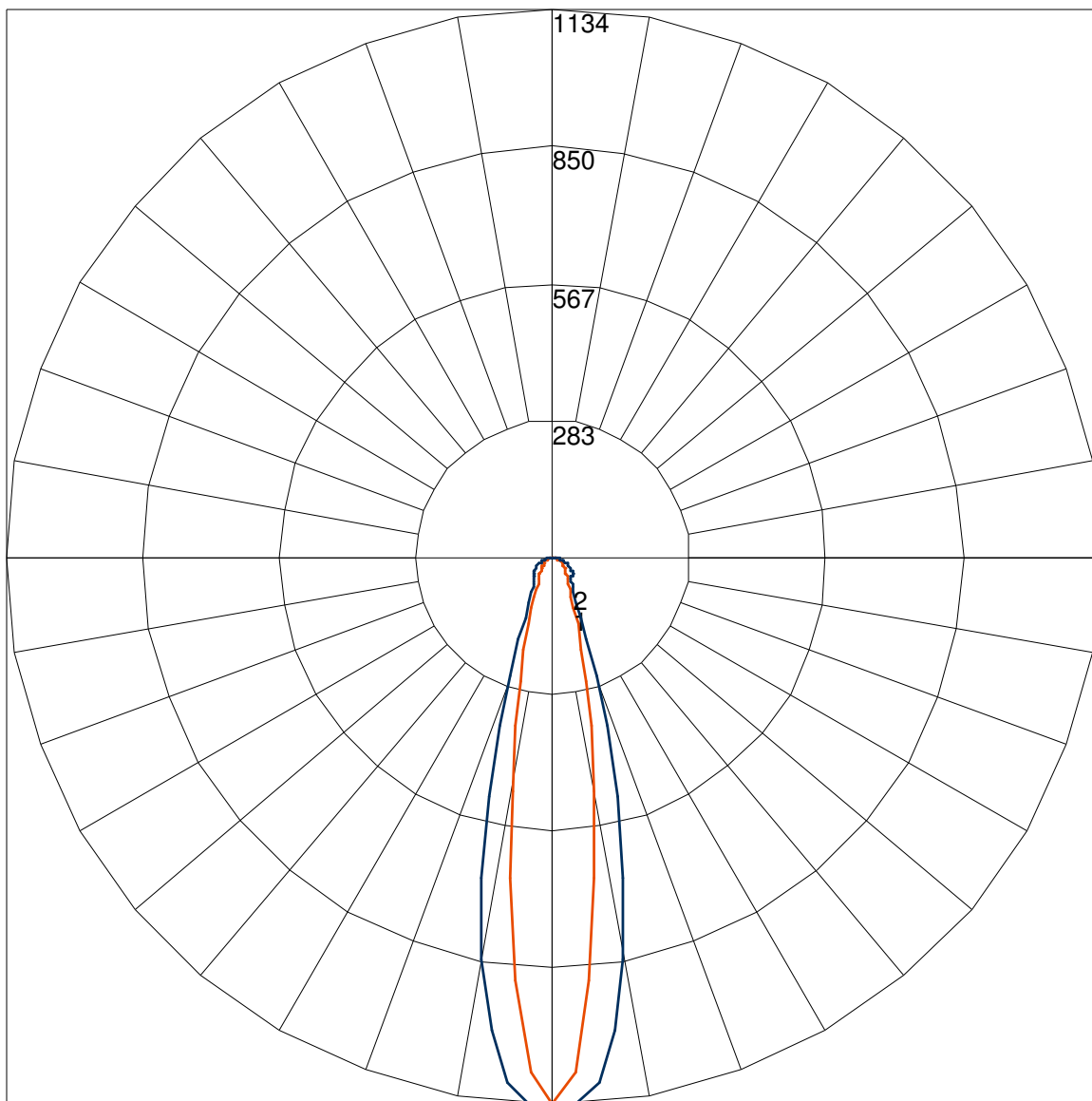
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92
2	106	101	96	93	104	99	95	91	96	92	89	93	90	88	90	88	86	84
3	100	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67
6	86	77	71	66	85	76	70	66	75	69	66	73	69	65	72	68	65	63
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

POLAR GRAPH



Maximum Candela = 1133.93 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)