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IES INDOOR REPORT

PHOTOMETRIC FILENAME : C6C-25X25-UNVET12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4511
[TESTLAB] Tempo LLC
[ISSUEDATE] 6/30/2023 1:08:28 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X25-UNVET12-35LG-1
[LUMINAIRE] Light gray aluminum housing with clear lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.03 VAC, 0.1016 A, 0.9895 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1108
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	12.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.38
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	20534	23742	27419
55	17382	21285	28202
65	14414	16795	38409
75	7533	10829	31420
85	3991	4098	5887

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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	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73
2.5	3204.16	3204.95	3203.25	3200.58	3201.55	3202.53	3203.95	3208.51	3209.80	3216.34
5.0	2840.07	2840.54	2832.08	2831.53	2830.72	2829.30	2837.81	2856.17	2835.42	2813.89
7.5	2315.97	2303.12	2321.46	2308.79	2321.08	2314.50	2296.90	2300.98	2336.03	2346.70
10.0	1737.46	1739.02	1748.30	1759.45	1747.48	1728.70	1731.75	1773.01	1788.49	1786.65
12.5	1255.18	1262.08	1259.51	1274.34	1247.06	1245.11	1263.97	1289.33	1291.48	1306.40
15.0	908.87	913.34	910.56	907.23	894.55	902.60	918.90	924.11	932.45	939.20
17.5	683.95	683.63	682.96	676.83	672.10	681.25	688.42	689.42	694.75	698.35
20.0	544.67	544.41	542.93	539.04	538.88	544.44	546.70	545.70	547.87	548.98
22.5	454.76	454.79	453.40	450.41	451.06	454.30	454.38	452.69	453.72	454.12
25.0	387.07	386.91	386.51	385.95	388.12	391.04	390.61	389.57	389.28	388.71
27.5	325.20	325.34	329.86	334.84	339.48	344.75	345.35	345.63	345.68	345.38
30.0	254.44	254.44	265.24	275.49	292.00	305.90	309.96	311.33	311.77	311.19
32.5	216.20	216.58	221.58	227.39	242.53	255.87	266.94	272.34	273.54	273.67
35.0	169.65	170.35	178.52	185.80	199.04	212.08	225.51	234.73	240.10	243.03
37.5	145.84	146.17	148.68	151.68	162.66	174.23	187.59	198.25	204.77	208.24
40.0	130.69	130.17	130.99	132.22	136.42	142.35	155.69	167.17	174.59	178.82
42.5	118.71	118.48	118.87	119.27	121.32	124.05	129.71	136.36	145.62	152.03
45.0	108.95	108.64	108.94	108.95	110.61	112.36	114.93	117.59	121.59	125.97
47.5	99.50	99.20	99.56	99.87	101.34	102.92	105.36	108.04	111.71	115.67
50.0	90.54	90.35	90.93	91.36	92.61	94.26	96.71	99.69	103.66	108.17
52.5	82.31	82.34	82.99	83.54	84.82	86.28	88.54	91.79	95.86	100.42
55.0	74.81	74.88	75.50	75.92	77.07	78.66	80.95	84.16	87.95	91.61
57.5	67.01	66.99	67.43	67.90	69.02	70.56	72.61	75.68	78.95	81.63
60.0	59.71	59.64	59.75	60.20	61.14	62.38	64.14	66.37	69.25	71.66
62.5	53.12	52.97	53.15	53.49	54.20	54.85	55.77	57.06	59.25	61.70
65.0	45.71	45.88	46.18	46.53	47.06	47.59	48.31	49.36	51.00	53.26
67.5	37.71	37.89	38.39	38.84	39.56	40.28	41.16	42.31	43.89	45.44
70.0	29.02	29.19	29.66	30.36	31.44	32.52	33.74	35.04	36.64	38.19
72.5	21.11	21.41	21.82	22.70	23.77	24.88	26.18	27.75	29.44	30.99
75.0	14.63	14.73	14.95	15.07	15.23	16.01	16.91	18.17	19.66	21.03
77.5	9.59	9.87	10.13	10.06	10.05	10.32	10.66	11.33	12.10	13.19
80.0	6.70	6.69	6.71	6.65	6.58	6.74	6.94	7.21	7.41	7.98
82.5	4.49	4.46	4.43	4.39	4.36	4.39	4.44	4.47	4.55	4.76
85.0	2.61	2.60	2.57	2.59	2.59	2.61	2.64	2.61	2.63	2.68
87.5	1.23	1.20	1.18	1.18	1.18	1.19	1.20	1.20	1.21	1.23
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	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73	3332.73
2.5	3212.91	3212.28	3212.72	3212.23	3212.49	3213.86	3213.79	3213.09	3214.49
5.0	2838.51	2879.11	2873.79	2875.12	2870.96	2868.79	2868.50	2877.83	2872.64
7.5	2350.80	2361.86	2372.50	2367.61	2374.63	2369.79	2378.23	2380.88	2371.47
10.0	1798.49	1816.33	1816.13	1823.65	1823.35	1813.05	1827.31	1827.90	1822.61
12.5	1307.39	1312.73	1312.93	1326.01	1323.65	1317.32	1329.25	1326.74	1320.90
15.0	940.00	941.03	943.58	952.06	949.28	945.56	952.86	949.87	945.17
17.5	697.98	696.77	698.72	702.94	700.69	698.33	701.90	699.01	695.44
20.0	547.90	546.32	546.96	547.94	545.59	543.24	543.93	541.55	539.14
22.5	452.15	449.88	449.11	448.28	445.58	442.79	442.23	440.53	438.89
25.0	386.92	385.04	383.95	382.40	379.79	377.02	375.41	373.32	371.36
27.5	343.85	342.65	339.87	336.95	332.31	326.31	321.33	317.52	313.94
30.0	308.64	306.18	301.82	296.21	289.26	281.32	274.99	271.73	268.63

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32.5	271.52	268.57	264.83	260.09	254.88	250.09	246.27	243.93	241.77
35.0	242.85	242.17	240.09	235.75	229.62	222.60	215.77	210.98	206.69
37.5	209.49	210.13	208.40	203.86	197.04	189.80	183.56	182.06	180.99
40.0	180.01	179.81	178.17	175.34	172.25	170.21	168.89	167.95	167.10
42.5	154.81	157.02	157.89	156.50	154.02	151.90	149.70	149.45	149.57
45.0	129.98	133.67	136.12	137.05	136.77	138.83	141.19	143.30	145.48
47.5	119.52	122.71	125.25	127.15	129.00	132.43	136.01	138.78	141.55
50.0	112.43	115.64	118.12	119.41	120.81	124.52	128.43	131.43	134.44
52.5	104.54	106.71	108.39	109.47	110.72	115.43	120.49	123.61	126.69
55.0	95.05	97.02	98.45	100.17	102.14	108.25	114.77	118.13	121.38
57.5	84.42	86.66	88.42	91.51	94.98	103.25	111.76	115.11	118.30
60.0	74.06	76.48	78.91	84.20	90.03	101.10	112.27	116.01	119.53
62.5	64.32	67.33	70.65	78.66	87.20	100.85	114.56	118.19	121.54
65.0	55.69	58.81	62.65	74.33	86.46	101.32	116.15	119.14	121.80
67.5	47.23	50.58	54.73	69.68	84.97	99.20	113.32	115.14	116.67
70.0	39.80	42.74	46.34	60.88	75.91	91.30	106.75	107.90	108.79
72.5	32.62	35.14	37.78	48.43	60.28	77.47	94.39	94.67	94.79
75.0	22.41	24.28	26.11	32.61	40.11	51.18	61.68	61.34	61.02
77.5	14.34	15.57	16.71	19.01	21.61	27.74	34.01	34.32	34.54
80.0	8.61	9.27	9.83	10.89	12.00	15.98	20.24	20.66	21.00
82.5	5.03	5.34	5.58	5.92	6.28	7.03	7.88	8.10	8.33
85.0	2.76	2.84	2.92	3.06	3.19	3.45	3.74	3.79	3.85
87.5	1.25	1.25	0.69	0.71	0.74	0.78	0.83	0.87	0.92
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	508.88	N.A.	45.90
0-30	689.23	N.A.	62.20
0-40	825.88	N.A.	74.50
0-60	1008.01	N.A.	90.90
0-80	1104.37	N.A.	99.60
0-90	1108.32	N.A.	100.00
10-90	870.90	N.A.	78.60
20-40	317.00	N.A.	28.60
20-50	416.50	N.A.	37.60
40-70	247.21	N.A.	22.30
60-80	96.36	N.A.	8.70
70-80	31.28	N.A.	2.80
80-90	3.95	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	1108.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	237.41
10-20	271.46
20-30	180.35
30-40	136.64
40-50	99.50
50-60	82.63
60-70	65.08
70-80	31.28
80-90	3.95
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

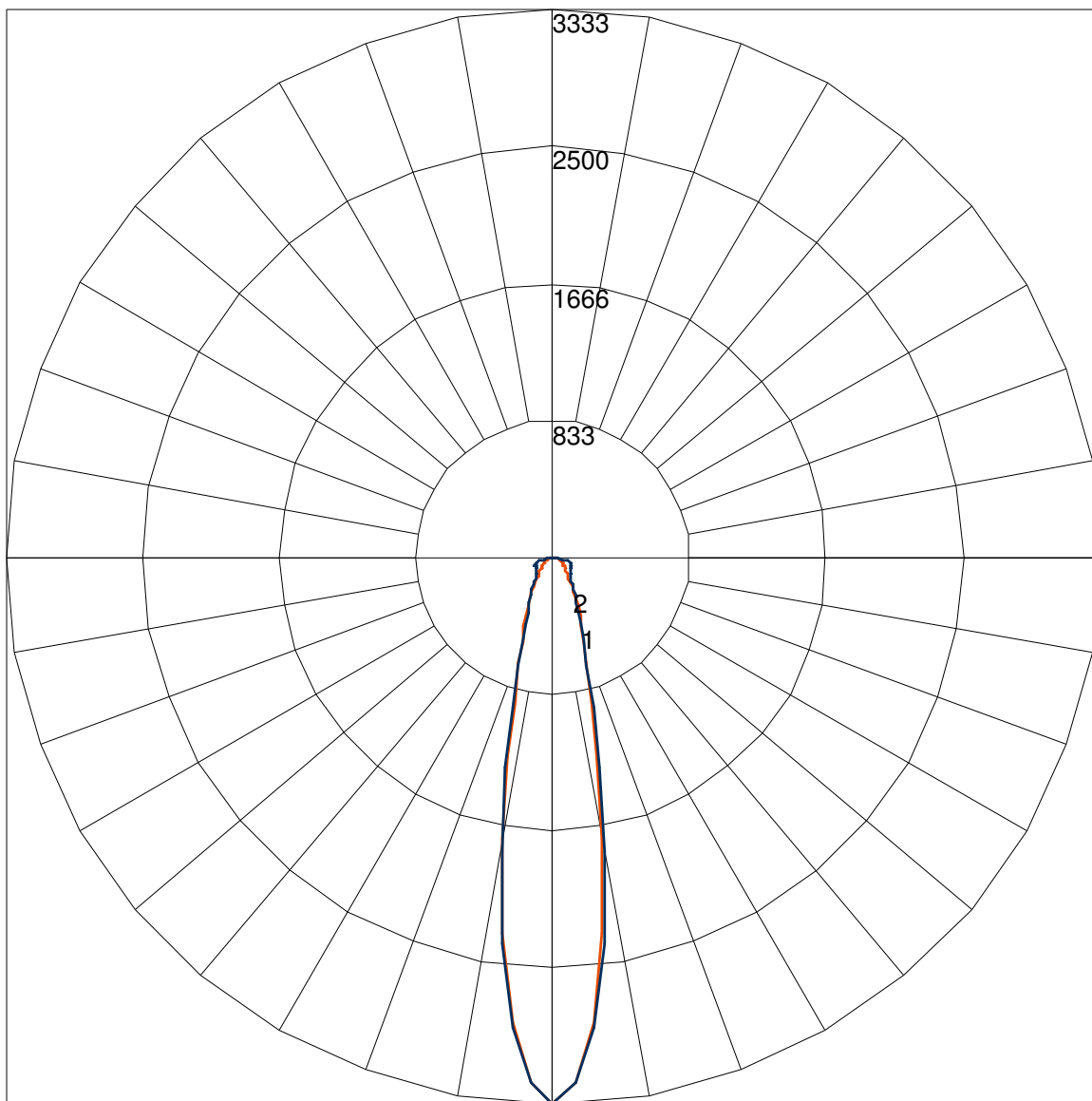
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	80	75	92	85	79	75	82	78	74	80	76	73	78	75	72	70
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	65	61	80	71	65	61	69	64	60	68	63	60	67	63	60	58
8	78	68	62	57	76	67	61	57	66	61	57	65	60	57	64	60	57	55
9	74	65	59	55	73	64	58	54	63	58	54	62	58	54	61	57	54	53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

POLAR GRAPH



Maximum Candela = 3332.73 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)