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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X25-UNVE12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4455
[TESTLAB] Tempo LLC
[ISSUEDATE] 4/7/2023 9:14:18 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X25-UNVE12-35LG-1
[LUMINAIRE] Light gray aluminum housing with clear lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.03 VAC, 0.1022 A, 0.9899 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1055
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	12.31
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	18218	25726	30023
55	15807	20716	31288
65	11674	15896	25508
75	3311	7682	19561
85	1086	1499	4740

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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	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63
2.5	3061.31	3072.78	3084.24	3085.93	3087.61	3096.10	3104.58	3113.40	3122.21	3134.46
5.0	2563.18	2576.06	2588.94	2605.29	2621.64	2648.35	2675.07	2714.04	2753.01	2795.12
7.5	1969.76	1981.00	1992.25	2014.05	2035.85	2079.94	2124.02	2188.78	2253.53	2323.94
10.0	1447.52	1452.37	1457.23	1475.62	1494.01	1538.92	1583.82	1658.19	1732.56	1813.98
12.5	1049.85	1049.33	1048.80	1055.79	1062.77	1097.99	1133.21	1199.03	1264.84	1340.54
15.0	772.79	769.48	766.16	762.45	758.72	780.61	802.49	851.94	901.39	961.10
17.5	572.62	569.04	565.44	557.56	549.67	562.59	575.50	609.93	644.36	687.68
20.0	428.95	427.02	425.07	416.84	408.61	416.23	423.84	448.15	472.46	502.20
22.5	329.25	328.05	326.84	321.29	315.73	321.42	327.11	344.55	361.99	382.27
25.0	260.42	259.73	259.03	256.05	253.06	258.24	263.41	276.96	290.51	304.98
27.5	213.30	212.60	211.90	211.78	211.66	216.98	222.29	232.87	243.45	254.43
30.0	181.03	180.49	179.96	182.06	184.15	189.28	194.40	203.11	211.81	220.89
32.5	158.96	159.14	159.30	162.24	165.16	170.30	175.44	182.76	190.08	197.60
35.0	144.01	144.52	145.03	148.01	150.99	155.70	160.40	167.46	174.50	180.57
37.5	132.47	133.15	133.81	136.43	139.03	143.69	148.35	154.83	161.29	167.03
40.0	122.43	122.88	123.33	125.85	128.36	132.79	137.21	143.72	150.22	156.09
42.5	110.30	111.04	111.76	114.76	117.75	122.11	126.46	133.15	139.84	146.43
45.0	96.66	97.10	97.53	101.18	104.82	110.26	115.70	122.39	129.09	136.50
47.5	88.87	88.82	88.77	90.25	91.73	97.59	103.45	110.77	118.09	126.07
50.0	81.99	81.94	81.88	82.76	83.63	86.55	89.48	97.84	106.19	114.75
52.5	74.86	74.89	74.92	75.66	76.40	78.50	80.59	86.63	92.67	102.15
55.0	68.03	68.15	68.27	69.03	69.80	71.58	73.36	76.77	80.18	89.16
57.5	60.75	61.02	61.27	62.19	63.10	64.72	66.34	69.05	71.75	78.43
60.0	53.67	53.86	54.04	54.98	55.92	57.30	58.67	61.37	64.05	68.89
62.5	45.88	45.97	46.05	47.02	47.99	49.43	50.87	53.16	55.45	59.74
65.0	37.02	37.26	37.51	38.57	39.64	41.38	43.12	45.02	46.91	50.41
67.5	27.67	28.03	28.38	29.38	30.37	32.33	34.28	36.38	38.47	40.98
70.0	18.85	19.18	19.50	20.60	21.69	23.55	25.41	27.41	29.39	31.98
72.5	11.17	11.56	11.95	12.71	13.47	15.00	16.53	18.49	20.45	23.05
75.0	6.43	6.65	6.85	7.29	7.73	8.67	9.60	11.19	12.77	14.92
77.5	3.32	3.48	3.65	3.90	4.15	4.72	5.29	6.18	7.06	8.52
80.0	1.94	1.93	1.91	2.05	2.19	2.33	2.46	2.72	2.96	3.83
82.5	1.27	1.27	1.26	1.30	1.33	1.39	1.46	1.48	1.49	1.71
85.0	0.71	0.82	0.92	0.86	0.80	0.86	0.92	0.90	0.87	0.98
87.5	0.42	0.49	0.56	0.52	0.48	0.55	0.61	0.56	0.51	0.57
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	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63	3254.63
2.5	3146.70	3155.06	3163.42	3173.41	3183.39	3186.75	3190.10	3194.47	3198.84
5.0	2837.23	2878.12	2919.00	2950.88	2982.75	3003.84	3024.92	3031.69	3038.45
7.5	2394.34	2463.59	2532.84	2587.12	2641.41	2680.24	2719.07	2730.46	2741.85
10.0	1895.39	1978.63	2061.86	2132.15	2202.45	2255.39	2308.32	2324.98	2341.63
12.5	1416.23	1498.65	1581.06	1656.25	1731.42	1788.16	1844.89	1863.48	1882.05
15.0	1020.80	1090.40	1160.00	1226.11	1292.22	1343.65	1395.07	1412.23	1429.39
17.5	730.99	783.07	835.14	886.31	937.47	976.21	1014.95	1027.88	1040.81
20.0	531.94	568.22	604.50	640.05	675.60	702.25	728.89	738.03	747.16
22.5	402.55	426.08	449.60	471.66	493.71	510.37	527.02	533.08	539.14
25.0	319.44	334.74	350.03	362.73	375.42	383.82	392.20	395.27	398.33
27.5	265.42	275.38	285.35	291.69	298.03	301.84	305.65	307.13	308.60
30.0	229.97	236.14	242.30	245.42	248.54	249.95	251.36	251.39	251.41

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32.5	205.11	209.19	213.27	214.77	216.26	216.55	216.83	216.38	215.93
35.0	186.64	190.09	193.54	194.37	195.20	195.48	195.75	195.92	196.09
37.5	172.75	176.03	179.31	180.57	181.82	182.66	183.50	183.41	183.32
40.0	161.96	165.65	169.35	170.51	171.67	172.69	173.71	173.45	173.18
42.5	153.01	156.88	160.74	161.97	163.18	164.32	165.46	165.35	165.24
45.0	143.91	148.34	152.75	154.33	155.89	157.16	158.42	158.86	159.30
47.5	134.04	139.18	144.31	146.68	149.05	151.25	153.44	154.19	154.94
50.0	123.31	129.51	135.71	139.15	142.58	145.95	149.31	150.29	151.26
52.5	111.62	119.22	126.82	131.07	135.30	139.41	143.52	144.85	146.19
55.0	98.14	106.91	115.67	120.32	124.97	128.73	132.49	133.58	134.66
57.5	85.10	93.94	102.77	106.58	110.38	113.47	116.55	118.13	119.71
60.0	73.71	81.66	89.60	93.33	97.06	100.17	103.28	104.53	105.77
62.5	64.03	71.61	79.18	82.60	86.02	88.52	91.01	91.74	92.45
65.0	53.90	60.97	68.03	71.98	75.93	77.92	79.91	80.40	80.89
67.5	43.48	49.75	56.02	60.81	65.59	67.36	69.12	69.55	69.97
70.0	34.57	39.15	43.71	49.11	54.51	56.48	58.45	59.00	59.55
72.5	25.64	29.04	32.43	37.96	43.48	45.47	47.45	48.13	48.80
75.0	17.06	19.71	22.35	27.16	31.97	34.42	36.86	37.43	37.99
77.5	9.96	11.90	13.83	17.21	20.58	23.51	26.43	27.14	27.85
80.0	4.70	5.81	6.92	8.74	10.56	13.78	16.99	17.63	18.26
82.5	1.93	2.28	2.62	3.23	3.85	6.02	8.19	9.04	9.88
85.0	1.08	1.14	1.20	1.28	1.34	1.71	2.08	2.59	3.10
87.5	0.62	0.63	0.64	0.63	0.62	0.61	0.60	0.67	0.74
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	525.69	N.A.	49.80
0-30	678.12	N.A.	64.30
0-40	789.36	N.A.	74.80
0-60	976.73	N.A.	92.60
0-80	1052.58	N.A.	99.80
0-90	1054.8	N.A.	100.00
10-90	818.51	N.A.	77.60
20-40	263.68	N.A.	25.00
20-50	365.75	N.A.	34.70
40-70	242.53	N.A.	23.00
60-80	75.85	N.A.	7.20
70-80	20.69	N.A.	2.00
80-90	2.22	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	1054.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.29
10-20	289.39
20-30	152.43
30-40	111.25
40-50	102.07
50-60	85.30
60-70	55.16
70-80	20.69
80-90	2.22
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

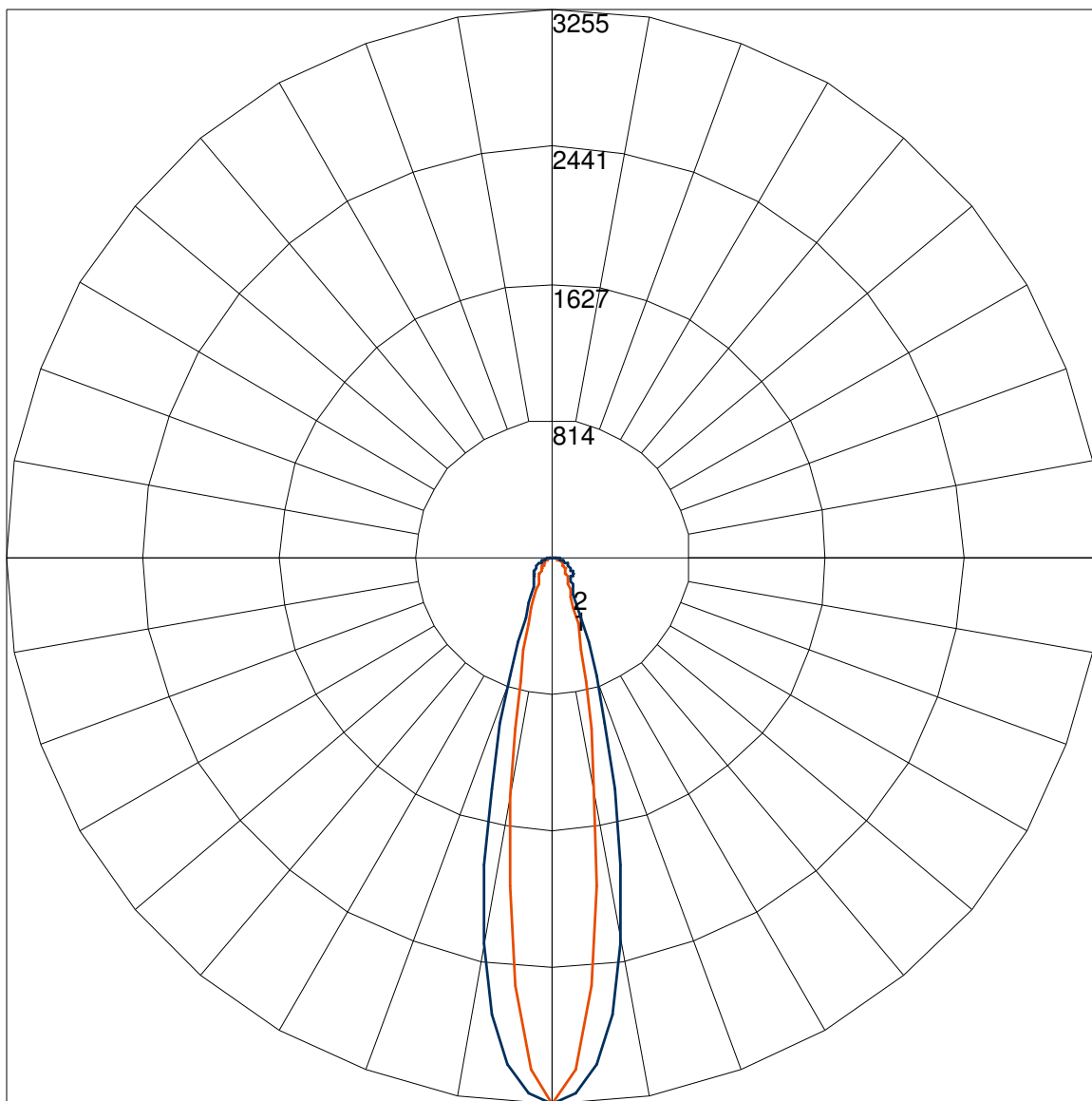
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 3254.63 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)