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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-55X25-UNVET12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4514
[TESTLAB] Tempo LLC
[ISSUE DATE] 7/3/2023 9:09:28 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-55X25-UNVET12-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.13 VAC, 0.1015 A, 0.9894 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	12.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.54
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	25766	23751	21599
55	17435	18128	20795
65	14291	15316	22175
75	10345	11457	14057
85	3028	3547	3655

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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	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59
2.5	1682.04	1681.96	1681.12	1678.58	1676.25	1673.77	1669.69	1665.56	1660.86	1657.39
5.0	1653.22	1651.50	1647.42	1641.05	1630.83	1618.19	1603.90	1588.18	1572.69	1557.59
7.5	1599.52	1596.10	1589.19	1572.27	1552.67	1527.83	1500.80	1467.58	1432.88	1399.08
10.0	1535.13	1529.74	1517.21	1488.14	1452.76	1411.36	1358.64	1307.67	1260.04	1211.05
12.5	1436.94	1430.82	1410.08	1380.95	1326.92	1267.21	1205.58	1141.73	1078.94	1022.27
15.0	1297.07	1294.55	1262.50	1226.67	1166.18	1102.60	1034.23	969.59	898.22	837.75
17.5	1130.26	1123.05	1092.58	1047.34	990.44	924.53	860.25	798.25	730.90	677.36
20.0	959.85	944.74	923.77	873.44	820.31	760.24	699.37	643.61	587.86	544.43
22.5	774.83	760.54	743.02	702.15	659.04	612.04	562.16	517.21	476.05	443.18
25.0	614.22	604.33	586.82	554.67	520.05	487.91	452.01	419.89	391.61	367.54
27.5	486.85	481.07	467.44	442.46	418.07	392.06	366.97	344.33	326.44	310.53
30.0	394.49	392.96	380.49	362.87	343.60	323.12	305.03	288.50	277.99	267.13
32.5	314.87	314.24	307.13	298.31	287.38	274.10	260.74	247.96	240.51	232.93
35.0	264.07	264.27	259.30	254.41	245.37	235.84	226.65	216.81	211.07	205.02
37.5	208.43	208.04	209.99	211.92	210.64	208.31	199.67	191.10	185.95	180.72
40.0	178.46	178.42	178.17	177.72	178.81	179.56	175.29	169.95	164.93	159.92
42.5	156.66	156.54	155.66	154.89	155.38	155.68	153.44	150.47	146.47	142.11
45.0	136.71	136.77	136.32	136.16	136.39	136.61	135.19	132.19	129.24	126.02
47.5	114.93	115.31	116.89	119.00	119.56	119.58	118.93	116.84	114.48	111.79
50.0	97.30	97.72	99.92	102.87	104.16	104.69	104.69	103.12	101.39	99.14
52.5	84.70	85.05	86.51	88.83	90.62	91.70	91.93	90.68	89.52	87.83
55.0	75.04	74.90	75.85	77.40	79.21	80.43	80.87	80.00	79.22	78.02
57.5	65.69	65.56	66.27	67.78	69.32	70.27	70.82	70.54	70.25	69.62
60.0	57.91	57.83	58.23	59.22	60.60	61.50	62.05	62.04	62.19	62.04
62.5	51.18	51.15	51.27	51.89	52.77	53.62	54.29	54.49	54.87	55.09
65.0	45.32	45.06	45.06	45.54	46.00	46.63	47.28	47.72	48.25	48.57
67.5	39.46	39.28	39.27	39.50	39.71	40.28	40.98	41.50	42.06	42.52
70.0	34.02	33.82	33.79	33.94	34.01	34.49	35.20	35.66	36.25	36.68
72.5	28.51	28.57	28.57	28.65	28.60	29.02	29.54	30.14	30.80	31.19
75.0	20.09	20.07	20.11	20.25	20.26	20.54	20.95	21.33	21.87	22.25
77.5	13.21	13.27	13.35	13.46	13.44	13.63	13.88	14.18	14.52	14.82
80.0	8.13	8.06	8.06	8.14	8.16	8.31	8.51	8.65	8.85	9.10
82.5	4.39	4.36	4.38	4.41	4.38	4.47	4.59	4.67	4.79	4.97
85.0	1.98	1.97	1.99	2.01	2.01	2.07	2.13	2.16	2.22	2.32
87.5	0.66	0.67	0.68	0.69	0.71	0.73	0.74	0.77	0.53	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	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59	1697.59
2.5	1651.99	1647.68	1643.80	1640.79	1638.72	1635.88	1633.47	1635.62	1634.44
5.0	1541.89	1529.10	1508.94	1494.91	1483.44	1475.76	1469.44	1469.95	1464.64
7.5	1369.91	1340.45	1312.59	1288.68	1264.42	1250.09	1237.74	1237.16	1229.03
10.0	1164.23	1126.30	1089.42	1058.13	1030.08	1004.94	990.98	986.63	977.97
12.5	961.25	914.56	876.45	840.06	812.20	786.12	776.24	766.30	758.82
15.0	780.04	732.20	693.22	660.81	637.22	614.79	606.49	598.23	592.33
17.5	626.64	585.03	553.85	527.15	508.81	492.88	486.37	480.53	476.20
20.0	506.32	474.06	452.29	432.66	419.84	409.21	404.48	400.64	397.67
22.5	417.99	393.36	379.18	365.74	356.99	349.89	346.42	343.98	342.17
25.0	350.38	333.34	324.31	315.65	309.25	304.36	301.84	299.95	298.43
27.5	299.27	287.64	281.21	274.77	269.51	265.30	262.83	261.25	259.90
30.0	259.59	251.70	245.81	239.81	235.41	232.48	230.69	229.62	228.77

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CANDELA TABULATION - (Cont.)

32.5	226.96	220.43	216.06	211.07	207.64	206.12	205.54	204.70	203.94
35.0	199.63	193.88	190.47	187.17	184.48	182.26	180.94	179.53	178.17
37.5	176.37	172.02	169.01	165.31	161.75	159.53	158.06	157.02	156.20
40.0	156.40	152.90	149.62	145.82	142.70	141.96	142.01	141.13	140.33
42.5	138.79	135.36	132.25	129.81	128.11	127.39	126.97	125.96	125.12
45.0	122.96	120.10	117.99	116.44	114.99	114.85	115.14	114.81	114.60
47.5	109.03	106.93	105.62	105.29	105.10	105.85	107.15	106.96	106.71
50.0	96.82	95.63	95.17	96.06	97.48	98.72	100.16	100.03	99.80
52.5	86.17	86.06	86.55	88.25	90.52	92.23	93.97	93.94	93.79
55.0	76.96	77.65	79.08	81.39	84.10	86.46	88.77	89.18	89.50
57.5	69.18	70.15	72.15	75.21	78.55	81.70	84.73	85.51	86.20
60.0	62.04	63.37	65.74	69.69	73.77	77.40	80.99	81.83	82.58
62.5	55.44	56.97	59.40	64.28	69.26	72.88	76.37	76.99	77.53
65.0	49.19	51.15	53.88	59.33	64.88	67.75	70.49	70.44	70.32
67.5	43.20	45.52	48.46	53.99	59.59	61.23	62.76	62.08	61.34
70.0	37.51	40.04	43.11	48.26	53.48	53.71	53.79	52.48	51.14
72.5	31.93	34.61	37.70	42.06	46.45	45.46	44.39	42.73	41.07
75.0	22.90	25.02	27.41	30.33	33.28	31.72	30.13	28.71	27.30
77.5	15.31	16.91	18.71	20.40	22.13	20.63	19.08	18.03	17.00
80.0	9.42	10.51	11.71	12.57	13.42	12.25	11.08	10.33	9.61
82.5	5.19	5.78	6.44	6.80	7.19	6.52	5.84	5.42	5.01
85.0	2.46	2.72	3.03	3.16	3.29	3.00	2.70	2.54	2.39
87.5	0.61	0.69	0.79	0.83	0.87	0.79	0.69	0.66	0.63
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	385.33	N.A.	39.90
0-30	577.50	N.A.	59.80
0-40	712.11	N.A.	73.70
0-60	883.09	N.A.	91.40
0-80	962.64	N.A.	99.60
0-90	966.26	N.A.	100.00
10-90	828.00	N.A.	85.70
20-40	326.78	N.A.	33.80
20-50	424.93	N.A.	44.00
40-70	224.01	N.A.	23.20
60-80	79.55	N.A.	8.20
70-80	26.53	N.A.	2.70
80-90	3.62	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	966.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	138.26
10-20	247.07
20-30	192.18
30-40	134.60
40-50	98.15
50-60	72.84
60-70	53.02
70-80	26.53
80-90	3.62
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

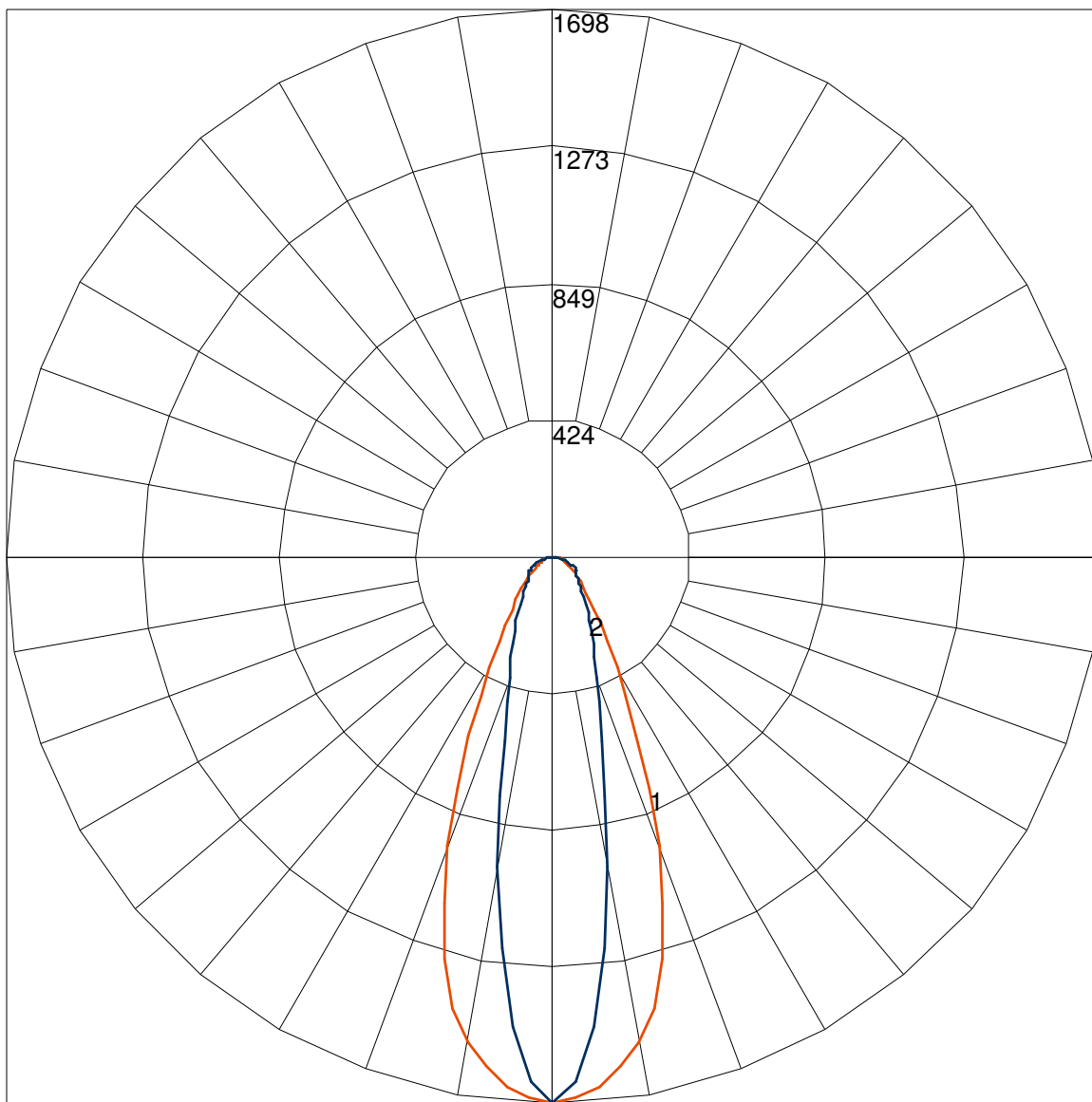
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63
6	83	73	67	62	82	73	66	62	71	65	61	69	64	61	68	64	60	59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	47	46

POLAR GRAPH



Maximum Candela = 1697.59 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)