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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-55X25-UNVE12-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4452
[TESTLAB] Tempo LLC
[ISSUEDATE] 4/6/2023 11:08:25 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-55X25-UNVE12-35LG-1
[LUMINAIRE] Light gray aluminum housing with 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	947
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	12.31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.64
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	20017	21962	24725
55	14526	18448	21185
65	12078	15881	15414
75	9397	12615	9480
85	3716	5337	2966

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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	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95
2.5	1443.68	1447.73	1451.78	1450.67	1449.54	1450.54	1451.53	1451.57	1451.60	1452.89
5.0	1416.63	1420.87	1425.10	1423.99	1422.87	1424.44	1426.00	1426.60	1427.21	1427.96
7.5	1382.61	1385.15	1387.68	1386.59	1385.49	1384.13	1382.77	1379.38	1375.99	1370.05
10.0	1334.39	1335.43	1336.48	1332.41	1328.35	1321.22	1314.10	1302.92	1291.74	1276.22
12.5	1257.16	1257.40	1257.64	1251.34	1245.04	1230.48	1215.91	1194.38	1172.83	1146.84
15.0	1138.47	1138.19	1137.91	1130.79	1123.68	1105.14	1086.60	1057.43	1028.25	993.65
17.5	982.36	981.96	981.57	975.64	969.71	951.09	932.46	901.08	869.71	830.49
20.0	802.45	802.43	802.42	800.50	798.58	783.36	768.14	738.49	708.84	672.43
22.5	622.98	622.59	622.21	625.29	628.37	618.81	609.25	586.18	563.12	533.35
25.0	464.26	464.12	463.97	471.35	478.72	476.59	474.45	459.59	444.73	422.43
27.5	343.10	343.83	344.54	353.73	362.91	366.89	370.87	361.97	353.06	336.60
30.0	257.61	260.57	263.52	271.76	280.00	286.38	292.76	288.63	284.50	272.58
32.5	204.66	210.95	217.24	221.78	226.32	231.56	236.80	235.22	233.64	225.35
35.0	181.33	186.95	192.57	192.58	192.58	194.76	196.92	196.56	196.18	190.61
37.5	166.67	169.15	171.64	169.22	166.80	167.28	167.75	167.81	167.87	164.44
40.0	151.16	149.29	147.41	145.62	143.82	144.70	145.58	145.75	145.90	144.51
42.5	130.71	126.84	122.95	122.64	122.32	124.99	127.65	128.45	129.24	129.07
45.0	106.21	104.36	102.52	104.04	105.55	108.94	112.32	114.09	115.84	116.53
47.5	88.03	88.10	88.18	90.37	92.56	96.24	99.91	102.21	104.50	105.83
50.0	77.68	78.17	78.66	80.84	83.01	86.07	89.13	91.74	94.35	96.23
52.5	69.59	70.16	70.73	72.64	74.55	77.32	80.09	82.80	85.52	87.63
55.0	62.52	62.94	63.36	65.00	66.62	69.31	72.00	74.64	77.28	79.40
57.5	55.58	56.06	56.54	57.99	59.43	61.87	64.31	66.89	69.47	71.69
60.0	49.82	50.14	50.44	51.78	53.12	55.07	57.02	59.61	62.19	64.25
62.5	43.84	44.15	44.46	45.60	46.74	48.66	50.57	52.94	55.30	57.26
65.0	38.30	38.55	38.80	39.75	40.70	42.37	44.05	46.24	48.42	50.36
67.5	32.96	33.22	33.47	34.36	35.23	36.55	37.86	39.80	41.73	43.49
70.0	27.70	28.02	28.34	29.03	29.73	30.97	32.22	33.79	35.36	36.94
72.5	22.86	23.09	23.32	23.89	24.45	25.55	26.64	27.95	29.26	30.57
75.0	18.25	18.36	18.46	18.89	19.31	20.18	21.06	22.21	23.35	24.50
77.5	13.55	13.76	13.96	14.26	14.55	15.25	15.94	16.85	17.75	18.57
80.0	9.39	9.44	9.47	9.73	9.99	10.49	10.99	11.63	12.26	12.84
82.5	5.36	5.57	5.76	5.80	5.83	6.16	6.48	6.86	7.24	7.69
85.0	2.43	2.51	2.58	2.59	2.60	2.79	2.97	3.13	3.29	3.49
87.5	0.69	0.69	0.69	0.70	0.70	0.73	0.75	0.82	0.88	0.92
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	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95	1458.95
2.5	1454.16	1454.16	1454.14	1455.34	1456.53	1456.34	1456.14	1457.31	1458.48
5.0	1428.70	1428.11	1427.52	1426.61	1425.70	1425.24	1424.78	1424.68	1424.57
7.5	1364.11	1358.33	1352.55	1346.71	1340.87	1336.77	1332.66	1330.56	1328.46
10.0	1260.68	1246.25	1231.82	1218.36	1204.90	1197.05	1189.20	1185.69	1182.19
12.5	1120.83	1097.80	1074.76	1054.62	1034.46	1022.27	1010.07	1005.07	1000.07
15.0	959.04	929.04	899.04	874.10	849.15	833.86	818.57	812.62	806.67
17.5	791.26	758.40	725.53	699.22	672.90	656.87	640.83	635.43	630.03
20.0	636.01	604.07	572.12	548.18	524.24	510.09	495.94	491.72	487.50
22.5	503.58	477.47	451.35	431.43	411.51	400.76	390.01	386.73	383.44
25.0	400.12	379.28	358.43	342.93	327.42	319.01	310.59	308.34	306.08
27.5	320.12	304.55	288.97	277.44	265.92	260.24	254.56	253.23	251.90
30.0	260.66	249.59	238.52	230.48	222.43	219.28	216.11	215.55	214.97

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CANDELA TABULATION - (Cont.)

32.5	217.06	209.52	201.97	197.13	192.28	191.15	190.01	190.21	190.40
35.0	185.04	180.37	175.69	173.42	171.15	171.71	172.26	173.20	174.15
37.5	161.01	158.76	156.50	156.26	156.01	157.61	159.21	160.44	161.66
40.0	143.10	142.58	142.04	143.18	144.32	146.30	148.28	149.30	150.31
42.5	128.89	129.77	130.64	132.54	134.43	136.80	139.17	139.73	140.28
45.0	117.21	119.05	120.89	123.16	125.43	128.13	130.82	131.01	131.19
47.5	107.15	109.44	111.73	114.67	117.60	120.27	122.93	122.77	122.59
50.0	98.11	100.59	103.06	106.51	109.97	112.30	114.64	114.08	113.52
52.5	89.72	92.54	95.36	98.79	102.20	103.80	105.38	104.33	103.27
55.0	81.51	84.53	87.54	90.77	93.99	94.25	94.52	92.85	91.18
57.5	73.90	76.76	79.61	82.27	84.93	83.79	82.65	81.02	79.40
60.0	66.29	69.01	71.72	73.47	75.22	73.46	71.70	70.05	68.40
62.5	59.21	61.39	63.57	64.52	65.46	63.38	61.28	59.81	58.33
65.0	52.29	54.08	55.87	56.09	56.31	54.11	51.90	50.39	48.88
67.5	45.26	46.71	48.16	48.06	47.95	45.57	43.19	41.77	40.34
70.0	38.52	39.61	40.70	40.32	39.93	37.35	34.77	33.52	32.26
72.5	31.88	32.66	33.43	32.87	32.30	29.82	27.34	26.17	25.00
75.0	25.65	26.19	26.72	25.85	24.97	22.86	20.73	19.57	18.41
77.5	19.38	19.85	20.32	19.48	18.64	16.60	14.55	13.61	12.67
80.0	13.42	13.81	14.19	13.48	12.76	11.22	9.68	8.96	8.23
82.5	8.14	8.37	8.58	8.07	7.57	6.60	5.63	5.14	4.64
85.0	3.70	3.78	3.85	3.58	3.30	2.84	2.37	2.16	1.94
87.5	0.96	0.92	0.87	0.85	0.82	0.69	0.56	0.54	0.52
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	399.33	N.A.	42.20
0-30	590.64	N.A.	62.40
0-40	708.83	N.A.	74.90
0-60	870.88	N.A.	92.00
0-80	942.17	N.A.	99.50
0-90	946.54	N.A.	100.00
10-90	815.51	N.A.	86.20
20-40	309.51	N.A.	32.70
20-50	400.60	N.A.	42.30
40-70	209.77	N.A.	22.20
60-80	71.29	N.A.	7.50
70-80	23.56	N.A.	2.50
80-90	4.37	N.A.	0.50
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	946.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	131.03
10-20	268.30
20-30	191.31
30-40	118.19
40-50	91.10
50-60	70.95
60-70	47.72
70-80	23.56
80-90	4.37
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

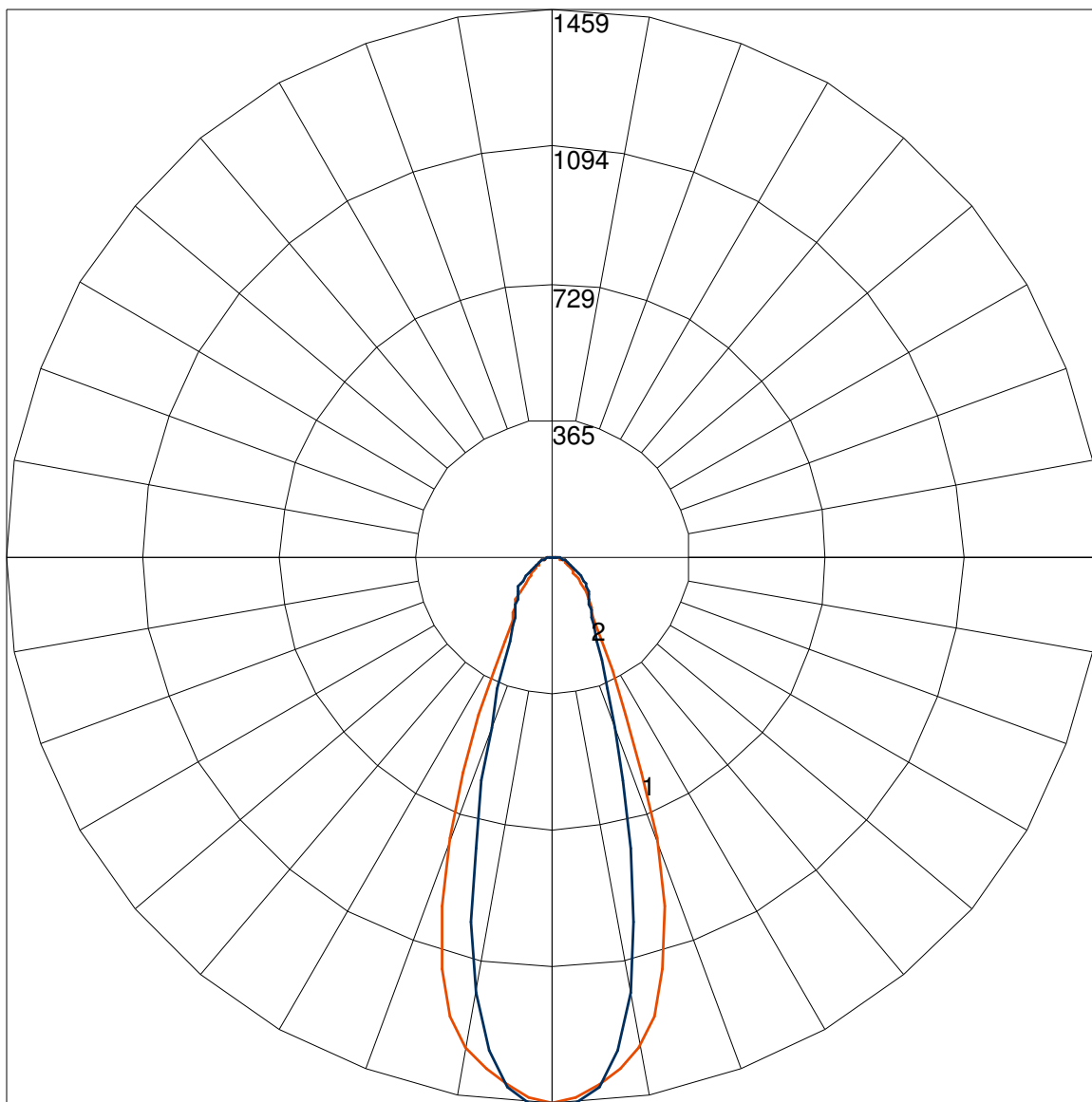
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1458.95 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)