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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-55X25-UNVET5-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4515
[TESTLAB] Tempo LLC
[ISSUEDATE] 7/3/2023 11:40:35 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-55X25-UNVET5-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.16 VAC, 0.0317 A, 0.9677 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	305
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	3.81
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	8084	7420	6693
55	5414	5625	6355
65	4418	4740	6979
75	3187	3491	4310
85	887	1055	1024

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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	538.33	538.33	538.33	538.33	538.33	538.33	538.33	538.33	538.33	538.33
2.5	532.10	531.95	531.31	530.34	529.31	528.49	526.75	525.32	523.85	522.59
5.0	523.15	522.93	521.98	519.33	516.88	512.68	506.96	502.11	497.55	494.44
7.5	505.74	505.62	502.20	498.12	493.13	488.26	479.54	465.23	450.99	439.26
10.0	486.80	483.60	480.03	473.62	465.48	449.42	431.07	416.30	399.86	380.35
12.5	453.91	453.63	447.92	441.27	424.04	402.33	384.02	363.75	344.41	321.07
15.0	410.11	409.39	402.63	390.99	372.02	349.99	330.77	308.40	286.92	265.77
17.5	358.05	354.89	349.54	333.72	315.24	294.90	274.94	254.21	233.68	216.09
20.0	303.62	300.64	294.47	278.31	261.75	243.15	223.97	205.78	188.81	174.32
22.5	244.83	242.93	236.57	224.08	210.85	196.28	180.48	165.61	152.81	142.49
25.0	194.49	193.04	186.84	177.04	166.64	156.23	145.03	134.30	125.52	118.07
27.5	155.16	154.15	149.48	142.12	133.51	125.68	117.75	110.10	104.48	99.50
30.0	125.14	124.70	121.22	116.33	109.79	103.68	97.76	92.01	88.47	85.28
32.5	99.84	99.66	97.57	94.81	91.19	87.51	83.12	78.80	76.34	74.11
35.0	83.43	83.50	82.17	80.72	77.73	74.97	71.73	68.75	66.78	64.94
37.5	65.95	65.84	66.43	66.83	66.42	65.90	63.08	60.68	58.62	57.17
40.0	56.37	56.34	56.30	56.26	56.42	56.59	55.12	53.65	51.84	50.43
42.5	49.32	49.31	49.09	48.88	49.01	49.14	48.21	47.32	45.85	44.58
45.0	42.89	42.94	42.84	42.77	42.93	43.05	42.33	41.52	40.39	39.37
47.5	36.17	36.11	36.61	37.16	37.52	37.58	37.16	36.63	35.74	34.88
50.0	30.52	30.53	31.20	32.07	32.65	32.90	32.54	32.14	31.50	30.84
52.5	26.61	26.58	27.00	27.72	28.34	28.72	28.52	28.26	27.79	27.28
55.0	23.30	23.34	23.65	24.12	24.71	25.11	25.06	24.91	24.57	24.21
57.5	20.39	20.40	20.64	21.08	21.59	21.94	21.95	21.88	21.71	21.54
60.0	18.03	18.00	18.09	18.42	18.85	19.16	19.22	19.28	19.22	19.17
62.5	15.95	15.91	15.94	16.10	16.40	16.71	16.81	16.91	16.96	17.04
65.0	14.01	13.97	13.94	14.01	14.19	14.46	14.62	14.80	14.91	15.03
67.5	12.23	12.18	12.16	12.19	12.27	12.46	12.62	12.82	12.99	13.17
70.0	10.49	10.46	10.43	10.43	10.49	10.65	10.80	11.02	11.17	11.34
72.5	8.86	8.81	8.80	8.77	8.81	8.96	9.07	9.26	9.43	9.61
75.0	6.19	6.17	6.16	6.19	6.20	6.30	6.42	6.52	6.61	6.78
77.5	4.06	4.06	4.07	4.06	4.09	4.19	4.26	4.32	4.38	4.52
80.0	2.43	2.44	2.46	2.45	2.46	2.51	2.57	2.63	2.67	2.77
82.5	1.30	1.31	1.31	1.31	1.32	1.35	1.38	1.42	1.44	1.49
85.0	0.58	0.58	0.58	0.59	0.59	0.61	0.62	0.64	0.66	0.69
87.5	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.23	0.23
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	538.33	538.33	538.33	538.33	538.33	538.33	538.33	538.33	538.33
2.5	520.54	518.76	517.32	515.86	516.82	519.55	519.44	519.66	519.53
5.0	485.28	477.41	472.84	467.93	464.97	461.11	467.18	467.65	466.31
7.5	427.53	419.26	409.99	402.20	398.11	397.62	395.39	394.38	391.60
10.0	362.54	351.04	338.66	330.68	328.76	320.23	317.60	315.09	312.65
12.5	301.71	284.70	271.05	265.62	259.82	251.03	248.24	245.40	242.94
15.0	245.15	227.59	217.37	210.63	204.01	196.79	193.99	191.67	189.87
17.5	198.18	182.33	174.61	168.62	162.87	157.77	155.52	153.83	152.46
20.0	160.67	148.31	143.64	138.70	134.45	131.03	129.40	128.38	127.60
22.5	132.47	123.67	120.58	117.11	114.05	111.73	110.55	109.83	109.25
25.0	111.24	105.13	103.08	100.65	98.46	96.86	96.00	95.49	95.07
27.5	94.96	90.91	89.29	87.43	85.69	84.28	83.36	82.87	82.46
30.0	82.27	79.52	77.96	76.03	74.32	73.20	72.53	72.10	71.70

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32.5	71.72	69.44	67.95	66.32	65.00	64.36	64.07	63.76	63.47
35.0	62.91	60.88	59.58	58.43	57.38	56.58	55.99	55.43	54.89
37.5	55.42	53.79	52.57	51.33	49.99	49.16	48.62	48.27	47.97
40.0	48.97	47.59	46.24	44.98	43.95	43.63	43.54	43.27	43.03
42.5	43.21	41.96	40.78	39.95	39.32	39.09	38.91	38.66	38.48
45.0	38.15	37.09	36.28	35.83	35.34	35.39	35.61	35.55	35.51
47.5	33.76	32.98	32.45	32.42	32.42	32.76	33.24	33.19	33.12
50.0	29.96	29.51	29.26	29.64	30.14	30.53	30.98	30.88	30.74
52.5	26.63	26.57	26.71	27.29	27.99	28.47	28.95	28.88	28.78
55.0	23.78	24.00	24.45	25.15	25.94	26.62	27.29	27.33	27.35
57.5	21.30	21.66	22.27	23.18	24.14	25.08	25.99	26.23	26.46
60.0	19.11	19.56	20.23	21.41	22.64	23.81	24.95	25.26	25.53
62.5	17.11	17.62	18.31	19.81	21.35	22.55	23.73	23.99	24.23
65.0	15.15	15.77	16.56	18.28	20.04	21.07	22.07	22.11	22.13
67.5	13.33	14.01	14.86	16.69	18.52	19.15	19.74	19.52	19.28
70.0	11.53	12.31	13.20	14.94	16.70	16.82	16.92	16.51	16.10
72.5	9.80	10.64	11.59	13.07	14.56	14.21	13.83	13.28	12.74
75.0	6.96	7.67	8.43	9.42	10.41	9.85	9.29	8.82	8.37
77.5	4.66	5.18	5.73	6.29	6.86	6.35	5.82	5.47	5.14
80.0	2.86	3.19	3.54	3.82	4.11	3.73	3.35	3.11	2.89
82.5	1.54	1.73	1.92	2.04	2.17	1.95	1.72	1.60	1.49
85.0	0.70	0.78	0.87	0.91	0.96	0.86	0.77	0.72	0.67
87.5	0.17	0.19	0.22	0.23	0.24	0.22	0.19	0.18	0.17
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	122.22	N.A.	40.10
0-30	183.52	N.A.	60.20
0-40	225.92	N.A.	74.10
0-60	279.07	N.A.	91.60
0-80	303.67	N.A.	99.60
0-90	304.75	N.A.	100.00
10-90	261.05	N.A.	85.70
20-40	103.70	N.A.	34.00
20-50	134.29	N.A.	44.10
40-70	69.58	N.A.	22.80
60-80	24.60	N.A.	8.10
70-80	8.17	N.A.	2.70
80-90	1.08	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	304.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.71
10-20	78.51
20-30	61.30
30-40	42.40
40-50	30.59
50-60	22.56
60-70	16.43
70-80	8.17
80-90	1.08
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

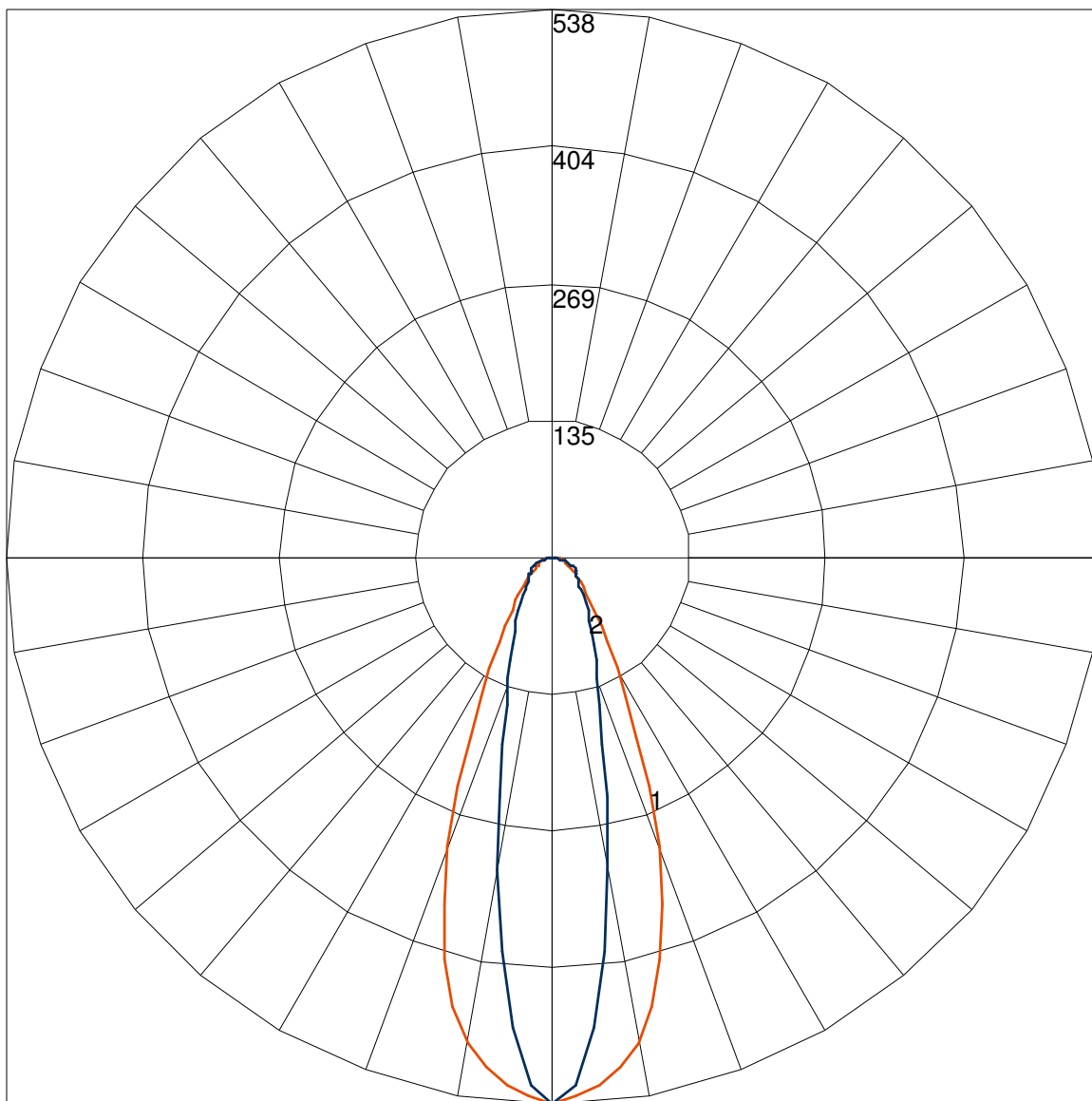
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 538.33 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)