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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X75-UNVE9-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4489
[TESTLAB] Tempo LLC
[ISSUEDATE] 5/8/2023 1:32:11 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X75-UNVE9-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.15 VAC, 0.0683 A, 0.9640 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	692
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	8.21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	0.56
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	9312	16542	63831
55	7331	14092	36156
65	5326	12021	24253
75	3702	9474	18387
85	1743	4587	9083

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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	855.40	855.40	855.40	855.40	855.40	855.40	855.40	855.40	855.40	855.40
2.5	833.58	830.67	827.74	826.95	826.14	826.30	826.45	827.28	828.10	829.96
5.0	723.62	722.85	722.08	725.73	729.38	736.02	742.65	751.67	760.68	770.87
7.5	583.62	584.92	586.21	594.33	602.44	615.54	628.63	646.50	664.36	685.20
10.0	451.50	454.04	456.58	467.30	478.01	494.84	511.66	535.66	559.65	589.35
12.5	345.07	348.14	351.20	362.10	372.99	390.83	408.66	435.02	461.37	496.12
15.0	266.30	269.36	272.40	282.27	292.14	308.92	325.68	351.59	377.50	413.85
17.5	210.68	213.61	216.53	225.01	233.48	248.11	262.74	286.50	310.26	345.51
20.0	169.66	172.36	175.06	182.46	189.86	203.04	216.21	237.26	258.30	290.66
22.5	140.14	142.45	144.75	151.17	157.59	169.16	180.73	199.53	218.32	247.20
25.0	118.27	120.32	122.36	127.94	133.51	143.61	153.71	170.01	186.30	212.46
27.5	102.23	103.97	105.71	110.57	115.43	124.26	133.09	147.11	161.12	184.39
30.0	90.14	91.67	93.19	97.49	101.78	109.38	116.98	129.05	141.12	161.69
32.5	80.82	82.16	83.49	87.35	91.21	97.62	104.03	114.48	124.92	143.20
35.0	73.19	74.41	75.64	79.09	82.54	88.11	93.67	102.72	111.75	128.06
37.5	66.40	67.56	68.72	71.97	75.21	80.18	85.14	93.01	100.87	115.55
40.0	60.34	61.53	62.71	65.70	68.69	73.20	77.71	84.90	92.09	105.09
42.5	54.72	55.88	57.04	59.88	62.71	66.86	71.01	77.75	84.49	95.91
45.0	49.41	50.49	51.56	54.29	57.02	60.92	64.83	71.26	77.70	87.77
47.5	44.35	45.45	46.55	49.11	51.67	55.38	59.08	65.16	71.25	80.24
50.0	39.79	40.85	41.91	44.27	46.63	50.15	53.65	59.52	65.38	73.29
52.5	35.57	36.56	37.55	39.66	41.77	45.14	48.51	54.14	59.78	66.79
55.0	31.55	32.48	33.42	35.32	37.22	40.39	43.55	48.99	54.43	60.65
57.5	27.63	28.50	29.37	31.19	33.00	35.92	38.83	43.96	49.10	54.66
60.0	23.74	24.61	25.47	27.21	28.94	31.66	34.37	39.19	44.00	48.98
62.5	20.15	20.97	21.79	23.48	25.16	27.68	30.20	34.54	38.87	43.44
65.0	16.89	17.57	18.25	19.82	21.38	23.79	26.19	30.10	34.00	38.12
67.5	13.91	14.54	15.15	16.54	17.93	20.16	22.39	25.83	29.25	32.87
70.0	11.34	11.88	12.41	13.55	14.68	16.69	18.71	21.74	24.76	27.87
72.5	9.05	9.51	9.97	10.91	11.84	13.51	15.16	17.80	20.44	23.06
75.0	7.19	7.51	7.83	8.54	9.24	10.57	11.90	14.06	16.21	18.40
77.5	5.48	5.66	5.84	6.35	6.86	7.88	8.90	10.56	12.22	13.99
80.0	3.90	4.01	4.11	4.46	4.80	5.53	6.25	7.41	8.57	9.87
82.5	2.34	2.44	2.52	2.77	3.02	3.46	3.90	4.64	5.37	6.19
85.0	1.14	1.14	1.13	1.23	1.33	1.59	1.83	2.22	2.60	3.00
87.5	0.28	0.32	0.36	0.36	0.35	0.43	0.50	0.58	0.66	0.78
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	855.40	855.40	855.40	855.40	855.40	855.40	855.40	855.40	855.40
2.5	831.81	834.07	836.33	837.99	839.65	841.04	842.43	843.10	843.76
5.0	781.06	791.68	802.29	811.13	819.96	826.07	832.17	834.39	836.59
7.5	706.03	727.95	749.86	769.43	789.01	802.45	815.90	820.67	825.45
10.0	619.03	652.24	685.44	716.48	747.53	770.24	792.94	801.21	809.48
12.5	530.87	572.57	614.26	657.13	700.00	732.91	765.82	778.54	791.25
15.0	450.19	497.23	544.26	596.84	649.41	692.98	736.54	753.77	771.00
17.5	380.76	429.66	478.55	538.37	598.19	651.92	705.63	727.84	750.05
20.0	323.01	371.37	419.74	483.98	548.21	611.06	673.91	701.45	728.98
22.5	276.08	322.01	367.94	434.66	501.38	572.83	644.27	677.42	710.55
25.0	238.62	280.95	323.26	391.06	458.86	537.97	617.07	655.84	694.61
27.5	207.66	246.69	285.72	353.12	420.52	506.23	591.93	636.30	680.68
30.0	182.25	218.36	254.46	319.43	384.39	474.20	564.01	613.42	662.82

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CANDELA TABULATION - (Cont.)

32.5	161.48	194.63	227.77	288.31	348.84	438.94	529.04	581.01	632.99
35.0	144.36	174.03	203.69	258.47	313.24	399.01	484.76	536.38	587.99
37.5	130.23	156.05	181.87	229.99	278.12	355.88	433.63	482.55	531.47
40.0	118.09	140.28	162.46	203.69	244.92	312.50	380.07	423.88	467.69
42.5	107.33	126.20	145.07	179.26	213.45	270.12	326.79	364.35	401.90
45.0	97.83	113.64	129.45	156.96	184.46	230.67	276.88	307.78	338.68
47.5	89.22	102.24	115.25	137.26	159.26	196.27	233.27	256.94	280.59
50.0	81.20	92.01	102.82	120.27	137.72	166.29	194.86	213.02	231.17
52.5	73.81	82.83	91.85	105.66	119.47	141.06	162.65	175.97	189.28
55.0	66.86	74.49	82.11	93.25	104.38	120.36	136.34	145.97	155.61
57.5	60.22	66.85	73.47	82.46	91.45	103.38	115.31	122.17	129.02
60.0	53.95	59.73	65.50	72.85	80.19	89.16	98.12	103.06	108.00
62.5	48.01	53.01	58.00	64.12	70.23	77.05	83.86	87.36	90.87
65.0	42.24	46.64	51.03	56.14	61.24	66.44	71.62	74.27	76.91
67.5	36.49	40.42	44.34	48.56	52.77	56.87	60.97	62.96	64.95
70.0	30.97	34.35	37.72	41.27	44.81	48.01	51.20	52.72	54.24
72.5	25.68	28.55	31.41	34.37	37.32	39.76	42.19	43.37	44.55
75.0	20.59	23.00	25.39	27.67	29.95	31.89	33.82	34.76	35.71
77.5	15.76	17.63	19.50	21.28	23.05	24.50	25.93	26.65	27.37
80.0	11.16	12.55	13.92	15.24	16.54	17.53	18.52	19.01	19.49
82.5	7.00	7.88	8.77	9.58	10.39	11.04	11.68	11.97	12.25
85.0	3.40	3.81	4.22	4.67	5.12	5.44	5.77	5.85	5.94
87.5	0.88	0.99	1.10	1.20	1.30	1.39	1.48	1.49	1.49
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	198.64	N.A.	28.70
0-30	334.71	N.A.	48.30
0-40	462.18	N.A.	66.80
0-60	625.68	N.A.	90.40
0-80	687.92	N.A.	99.40
0-90	692.28	N.A.	100.00
10-90	623.73	N.A.	90.10
20-40	263.55	N.A.	38.10
20-50	361.42	N.A.	52.20
40-70	204.84	N.A.	29.60
60-80	62.24	N.A.	9.00
70-80	20.89	N.A.	3.00
80-90	4.36	N.A.	0.60
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	692.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	68.55
10-20	130.09
20-30	136.07
30-40	127.48
40-50	97.88
50-60	65.62
60-70	41.35
70-80	20.89
80-90	4.36
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

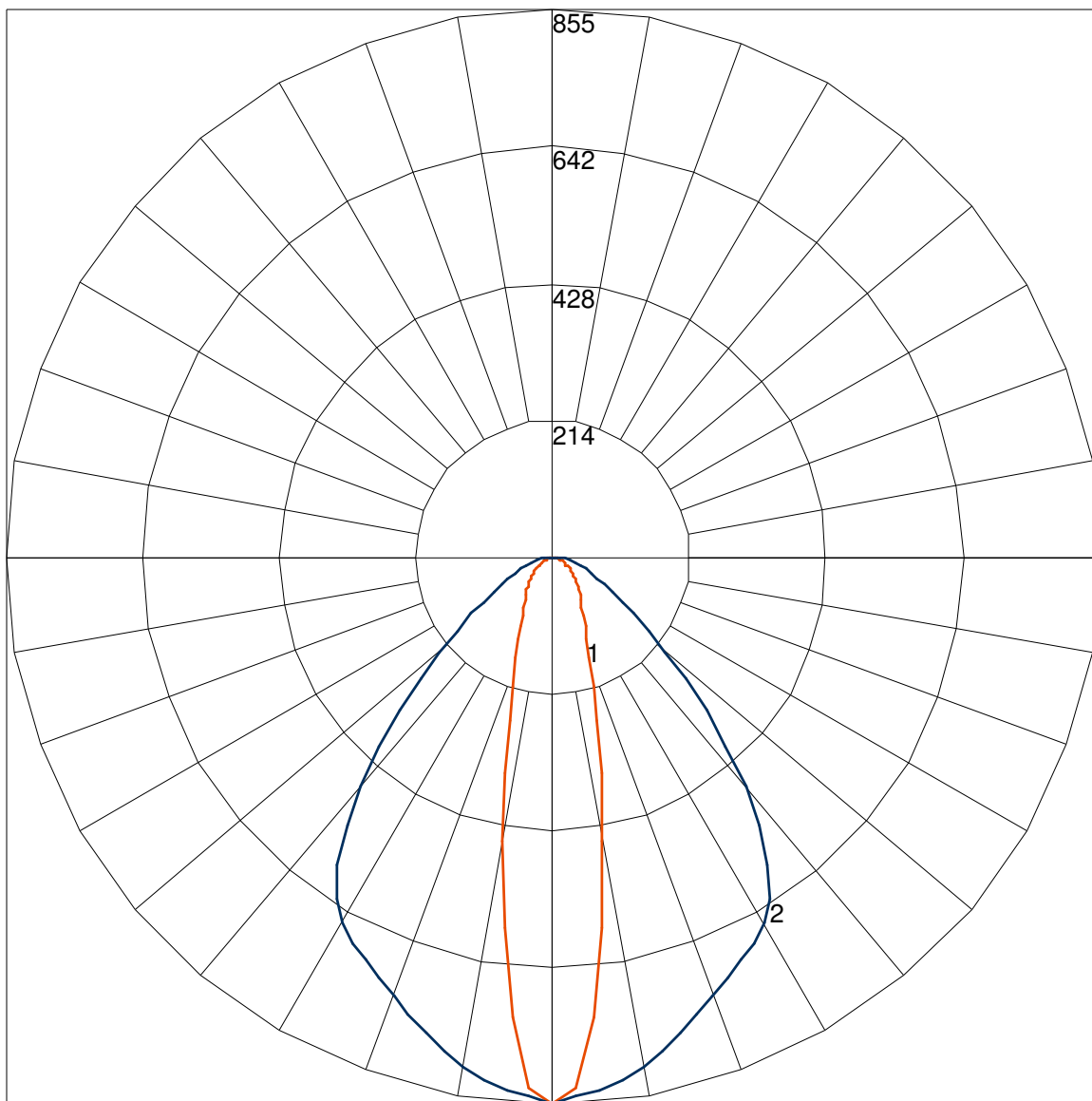
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	75	64	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

POLAR GRAPH



Maximum Candela = 855.4 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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