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IES INDOOR REPORT

PHOTOMETRIC FILENAME : C6C-25X25-UNVET5-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4516
[TESTLAB] Tempo LLC
[ISSUEDATE] 7/3/2023 1:19:00 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X25-UNVET5-35LG-1
[LUMINAIRE] Light gray aluminum housing with clear lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.15 VAC, 0.0317 A, 0.9675 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	336
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	3.81
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.42
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	5905	7028	7756
55	4979	6085	7935
65	4017	4724	10485
75	2070	2961	9032
85	1116	1132	1697

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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	952.97	952.97	952.97	952.97	952.97	952.97	952.97	952.97	952.97	952.97
2.5	924.48	924.63	924.61	924.57	924.82	925.33	924.34	924.57	924.97	925.62
5.0	840.85	840.86	843.79	840.58	841.83	841.75	841.97	843.40	840.83	840.87
7.5	711.48	713.00	712.15	714.00	711.86	712.23	711.41	709.40	708.40	711.95
10.0	566.62	563.19	565.35	564.53	562.29	561.82	557.78	561.06	563.13	559.62
12.5	422.80	422.98	424.59	424.77	422.93	418.18	421.10	422.01	424.15	420.12
15.0	310.76	311.89	309.30	308.82	308.20	306.84	309.56	308.64	308.61	308.50
17.5	232.37	231.97	230.40	230.26	229.72	229.92	230.58	230.00	229.41	230.20
20.0	180.30	180.45	178.93	178.69	178.87	178.69	178.54	177.99	177.57	177.82
22.5	145.60	145.65	145.01	144.86	145.12	145.24	144.91	144.21	143.81	144.17
25.0	119.43	119.57	119.84	120.50	121.43	122.17	121.94	121.49	121.20	121.31
27.5	95.79	96.15	98.44	100.72	102.86	105.19	105.67	106.02	105.89	105.95
30.0	75.56	75.78	78.39	81.26	85.94	90.53	92.27	93.67	93.53	93.46
32.5	62.90	62.99	64.57	66.17	70.08	74.30	77.66	80.44	80.93	81.23
35.0	49.64	49.59	51.51	53.35	57.17	61.35	64.85	68.47	70.10	71.31
37.5	42.64	42.64	43.07	43.71	46.55	49.98	53.77	57.96	59.58	61.17
40.0	37.92	37.92	38.09	38.36	39.40	40.97	44.43	48.22	50.12	51.94
42.5	34.30	34.30	34.34	34.50	35.08	35.94	37.29	39.56	42.38	44.77
45.0	31.33	31.32	31.35	31.50	31.91	32.49	33.19	34.25	35.64	37.29
47.5	28.70	28.63	28.63	28.71	29.09	29.66	30.31	31.24	32.22	33.41
50.0	26.15	26.07	26.11	26.22	26.59	27.18	27.75	28.73	29.80	31.08
52.5	23.74	23.63	23.71	23.92	24.22	24.77	25.31	26.29	27.40	28.75
55.0	21.43	21.36	21.42	21.60	21.91	22.39	22.96	23.97	25.03	26.19
57.5	19.04	19.04	19.12	19.26	19.54	20.01	20.51	21.46	22.39	23.31
60.0	16.90	16.88	16.92	17.00	17.20	17.61	17.98	18.75	19.60	20.44
62.5	14.93	14.91	14.94	15.00	15.12	15.39	15.61	16.12	16.74	17.55
65.0	12.74	12.76	12.83	12.96	13.10	13.28	13.45	13.88	14.33	14.98
67.5	10.30	10.32	10.43	10.63	10.89	11.18	11.37	11.78	12.16	12.71
70.0	7.76	7.80	7.91	8.23	8.50	8.87	9.19	9.62	10.04	10.59
72.5	5.69	5.76	5.86	6.09	6.30	6.72	7.11	7.56	8.00	8.55
75.0	4.02	4.01	4.06	4.13	4.17	4.34	4.57	4.93	5.31	5.75
77.5	2.65	2.67	2.71	2.74	2.77	2.84	2.89	3.09	3.31	3.62
80.0	1.81	1.80	1.80	1.80	1.79	1.81	1.85	1.95	2.07	2.23
82.5	1.22	1.21	1.22	1.20	1.17	1.17	1.18	1.21	1.24	1.33
85.0	0.73	0.72	0.72	0.72	0.70	0.71	0.72	0.73	0.73	0.74
87.5	0.33	0.33	0.33	0.32	0.32	0.33	0.33	0.33	0.33	0.34
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	952.97	952.97	952.97	952.97	952.97	952.97	952.97	952.97	952.97
2.5	924.40	924.13	923.79	923.58	923.67	924.03	923.28	923.87	923.80
5.0	839.46	839.59	840.09	838.23	839.21	836.68	837.80	838.43	837.42
7.5	708.38	710.91	710.80	710.15	706.99	707.08	708.33	709.63	707.03
10.0	559.07	561.79	560.42	559.99	560.24	557.05	560.25	560.25	558.45
12.5	422.77	420.76	419.26	421.45	420.24	417.20	420.63	419.92	418.27
15.0	309.15	307.48	308.75	308.47	306.95	304.64	307.03	306.15	304.81
17.5	229.75	228.47	229.20	229.06	227.69	226.17	227.21	226.20	225.06
20.0	177.11	175.99	176.91	175.63	174.27	172.99	173.22	172.29	171.36
22.5	142.82	141.82	141.99	140.66	139.45	138.32	138.14	137.47	136.86
25.0	120.07	119.05	118.86	117.71	116.51	115.29	114.62	113.76	112.97
27.5	104.92	103.98	103.37	101.89	99.99	97.59	95.68	94.33	93.10
30.0	92.06	90.81	89.70	87.66	85.49	83.28	81.63	80.74	79.93

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32.5	80.39	79.44	78.55	77.07	75.53	74.11	73.00	72.16	71.39
35.0	71.14	70.75	70.36	69.13	67.31	65.13	63.08	61.75	60.62
37.5	61.26	61.33	61.10	59.64	57.58	55.68	54.10	53.54	53.11
40.0	52.10	52.02	51.87	51.20	50.51	50.03	49.71	49.50	49.33
42.5	45.41	45.96	46.41	46.10	45.48	44.84	44.21	43.87	43.63
45.0	38.28	39.30	40.17	40.32	39.95	40.09	40.37	40.74	41.15
47.5	34.39	35.25	36.01	36.55	37.07	37.87	38.73	39.36	39.98
50.0	32.20	33.08	33.86	34.27	34.72	35.63	36.61	37.30	37.99
52.5	29.88	30.56	31.19	31.62	32.13	33.22	34.38	35.20	36.02
55.0	27.21	27.87	28.48	28.94	29.45	30.93	32.52	33.35	34.15
57.5	24.20	24.87	25.47	26.19	27.04	29.04	31.13	32.03	32.91
60.0	21.10	21.85	22.67	23.93	25.35	28.08	30.83	31.78	32.66
62.5	18.25	19.11	20.16	22.17	24.35	27.74	31.13	32.19	33.18
65.0	15.66	16.58	17.78	20.70	23.75	27.69	31.62	32.49	33.25
67.5	13.30	14.23	15.47	19.20	23.06	27.22	31.38	32.05	32.62
70.0	11.13	11.99	13.04	16.62	20.41	25.33	30.29	30.73	31.07
72.5	9.04	9.74	10.54	13.52	16.92	22.26	27.48	27.64	27.73
75.0	6.15	6.68	7.23	9.20	11.53	14.77	17.82	17.68	17.54
77.5	3.93	4.28	4.62	5.38	6.25	8.24	10.29	10.35	10.37
80.0	2.40	2.57	2.74	3.04	3.35	4.74	6.22	6.28	6.31
82.5	1.40	1.50	1.58	1.69	1.80	2.10	2.46	2.47	2.47
85.0	0.77	0.79	0.83	0.87	0.91	0.99	1.07	1.09	1.11
87.5	0.19	0.19	0.20	0.21	0.22	0.23	0.24	0.26	0.28
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	159.61	N.A.	47.50
0-30	215.63	N.A.	64.20
0-40	255.66	N.A.	76.10
0-60	308.03	N.A.	91.70
0-80	334.92	N.A.	99.70
0-90	336.04	N.A.	100.00
10-90	264.96	N.A.	78.80
20-40	96.05	N.A.	28.60
20-50	124.87	N.A.	37.20
40-70	70.47	N.A.	21.00
60-80	26.89	N.A.	8.00
70-80	8.79	N.A.	2.60
80-90	1.11	N.A.	0.30
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	336.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	71.08
10-20	88.53
20-30	56.02
30-40	40.04
40-50	28.82
50-60	23.55
60-70	18.10
70-80	8.79
80-90	1.11
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

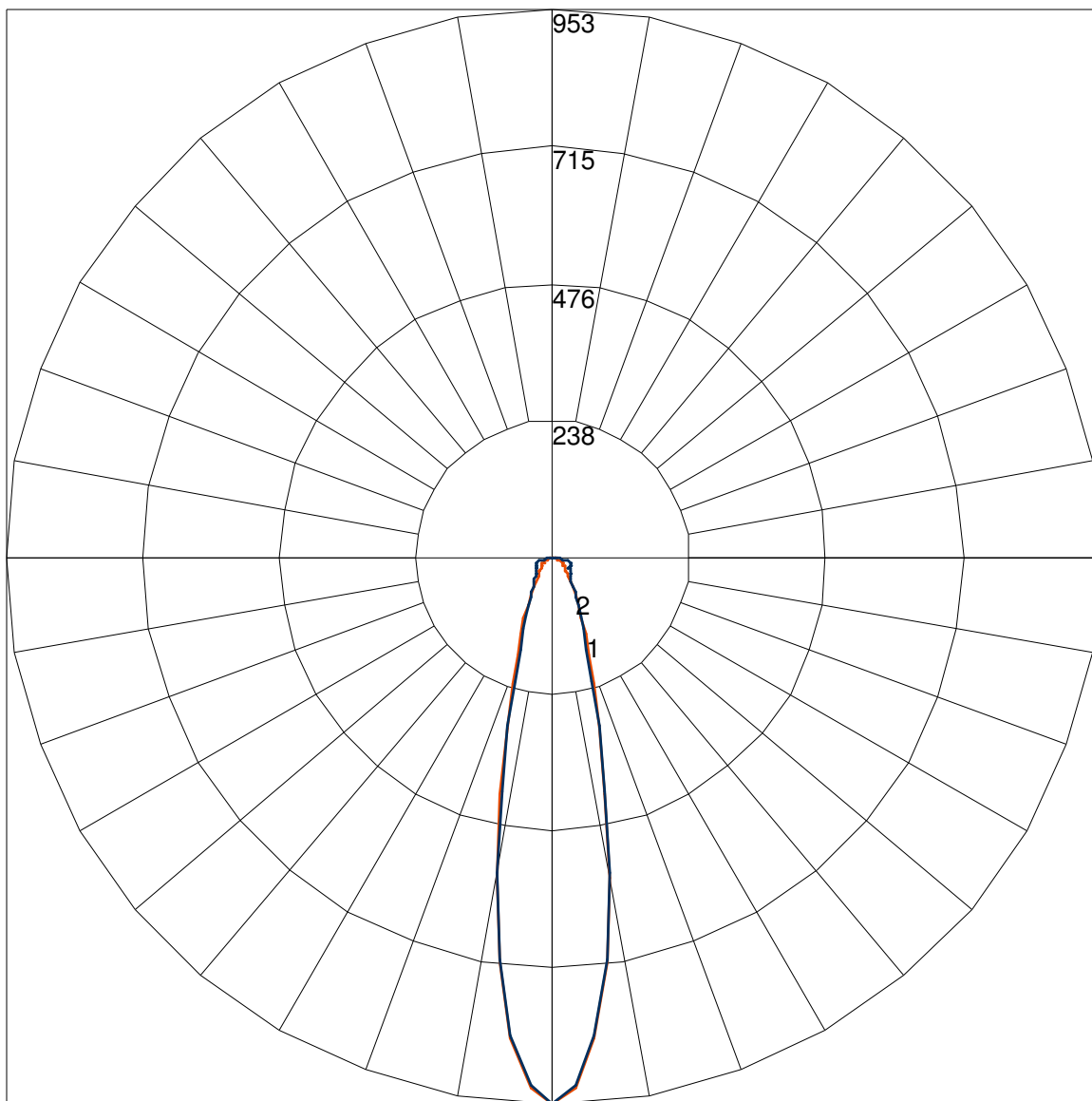
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83
3	100	93	87	83	98	92	86	82	89	84	81	86	83	80	84	81	78	77
4	95	87	81	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	61	59
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51

POLAR GRAPH



Maximum Candela = 952.97 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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