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IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-10X30-UNVE5-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 80168236-2P5W
[TESTLAB] CSA Group
[ISSUEDATE] 5/4/2023
[MANUFAC] Tempo LLC
[LUMCAT] C6C-10X30-UNVE5-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[OTHER] PRORATED FROM IES FILE 80168236-2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	411
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	3.85
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.44
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	3739	4644	5609
55	3123	3569	4312
65	2422	3229	3835
75	1812	2801	3460
85	1468	2447	2447

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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	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76
2.5	1326.08	1326.08	1327.04	1330.24	1331.84	1332.48	1336.32	1340.80	1343.68	1344.32
5.0	1161.28	1160.64	1166.72	1173.76	1184.00	1193.92	1208.96	1225.92	1240.00	1256.96
7.5	902.40	904.64	913.60	927.36	945.92	968.32	995.52	1026.88	1059.84	1094.72
10.0	652.80	654.40	663.68	679.36	701.12	727.68	760.96	800.64	842.56	891.84
12.5	452.16	456.96	464.96	479.36	499.84	524.48	556.80	595.20	638.72	689.28
15.0	305.60	306.56	314.24	327.68	344.00	366.08	393.92	426.56	465.92	509.12
17.5	203.52	204.48	210.56	219.84	233.92	251.20	274.56	299.84	331.84	366.40
20.0	136.32	137.92	141.76	148.16	157.12	168.96	185.92	206.08	231.04	257.60
22.5	97.92	98.88	100.80	104.96	109.76	117.44	128.00	142.08	159.04	178.88
25.0	74.56	75.20	76.48	78.72	81.92	86.08	92.48	100.48	111.04	123.52
27.5	60.16	60.48	60.80	62.08	64.00	66.56	70.72	75.84	81.92	89.60
30.0	49.60	49.92	49.92	50.56	51.84	53.44	56.00	59.20	63.04	67.52
32.5	41.60	41.60	41.92	42.56	43.52	44.48	46.08	48.32	50.88	54.08
35.0	34.56	34.56	35.20	35.84	36.48	37.44	38.72	40.32	42.24	44.16
37.5	28.80	29.12	29.44	30.40	31.36	32.00	32.96	34.56	36.16	37.44
40.0	24.64	24.64	24.96	25.60	26.24	27.20	28.48	29.76	31.04	32.32
42.5	22.08	22.08	22.08	22.40	23.04	23.36	24.64	25.92	27.20	28.16
45.0	19.84	19.84	19.84	19.84	20.16	20.80	21.44	22.40	23.68	24.64
47.5	17.92	17.92	17.92	17.92	18.24	18.56	19.20	19.84	20.80	21.44
50.0	16.32	16.32	16.32	16.32	16.64	16.96	17.28	17.60	18.24	18.88
52.5	15.04	14.72	14.72	15.04	15.04	15.36	15.68	16.00	16.64	16.96
55.0	13.44	13.44	13.44	13.44	13.76	14.08	14.40	14.72	15.04	15.36
57.5	11.84	11.84	11.84	12.16	12.48	12.80	13.12	13.44	13.76	13.76
60.0	10.56	10.56	10.56	10.88	11.20	11.52	11.84	12.16	12.16	12.48
62.5	9.28	9.28	9.28	9.60	9.92	10.24	10.56	10.88	11.20	11.52
65.0	7.68	7.68	8.00	8.32	8.64	8.96	9.28	9.60	9.92	10.24
67.5	6.72	6.72	6.72	7.04	7.36	7.68	8.00	8.64	8.64	8.96
70.0	5.44	5.44	5.44	5.76	6.08	6.40	7.04	7.36	7.68	7.68
72.5	4.48	4.48	4.48	4.80	5.12	5.44	5.76	6.08	6.40	6.72
75.0	3.52	3.52	3.52	3.84	4.16	4.48	4.80	5.12	5.12	5.44
77.5	2.88	2.88	2.88	3.20	3.20	3.52	3.84	4.16	4.16	4.48
80.0	1.92	2.24	2.24	2.24	2.24	2.56	2.88	2.88	3.20	3.20
82.5	1.60	1.60	1.60	1.60	1.92	1.92	2.24	2.24	2.24	2.56
85.0	0.96	0.96	0.96	0.96	0.96	1.28	1.28	1.28	1.28	1.60
87.5	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.96	0.96	0.96
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	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76	1373.76
2.5	1346.88	1353.28	1354.88	1358.08	1359.36	1358.72	1359.68	1362.24	1367.36
5.0	1268.48	1287.04	1297.60	1311.36	1318.40	1322.24	1325.12	1331.84	1336.00
7.5	1128.96	1166.08	1195.20	1223.04	1241.92	1253.76	1262.08	1269.12	1274.88
10.0	943.04	997.76	1047.68	1095.36	1127.68	1151.36	1160.64	1171.20	1177.60
12.5	744.64	805.76	868.16	925.76	973.44	1004.80	1021.76	1032.32	1037.12
15.0	560.96	618.24	677.12	741.12	790.72	829.44	850.24	864.32	870.40
17.5	408.96	454.40	504.00	554.88	604.48	643.52	668.48	682.56	689.28
20.0	289.60	323.20	359.68	398.40	437.12	469.76	494.40	509.12	515.20
22.5	202.88	225.60	251.20	277.76	303.68	328.32	346.88	360.00	368.64
25.0	139.20	155.20	171.84	190.40	205.76	222.08	233.60	242.24	248.64
27.5	98.88	108.48	118.40	128.64	138.56	147.84	154.88	160.96	163.52
30.0	73.28	78.72	84.48	90.24	95.68	100.48	104.32	107.84	109.12

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CANDELA TABULATION - (Cont.)

32.5	57.28	60.16	63.36	66.56	70.08	72.64	75.20	76.80	77.44
35.0	46.08	48.00	49.92	51.84	53.76	55.36	56.96	57.92	57.92
37.5	38.72	40.32	41.60	42.56	43.84	45.12	46.08	46.72	47.04
40.0	33.28	34.24	34.88	36.16	36.80	37.76	38.72	39.36	39.36
42.5	29.12	29.76	30.40	31.36	32.00	32.64	33.28	33.92	34.24
45.0	25.28	25.92	26.56	27.20	28.16	28.80	29.12	29.76	29.76
47.5	22.08	22.72	23.36	24.32	24.96	25.60	25.92	26.24	26.24
50.0	19.52	20.16	20.80	21.44	22.08	22.72	23.04	23.36	23.36
52.5	17.28	17.92	18.56	19.20	19.84	20.48	20.48	20.80	20.80
55.0	15.36	15.68	16.32	16.96	17.92	18.24	18.24	18.56	18.56
57.5	14.08	14.08	14.72	15.36	16.00	16.32	16.32	16.64	16.64
60.0	12.80	12.80	13.12	13.76	14.08	14.72	14.72	15.04	15.04
62.5	11.52	11.52	11.84	12.16	12.80	13.12	13.44	13.44	13.44
65.0	10.24	10.24	10.56	10.88	11.20	11.84	11.84	12.16	12.16
67.5	9.28	9.28	9.28	9.60	9.92	10.24	10.56	10.88	10.88
70.0	8.00	8.00	8.00	8.32	8.64	8.96	9.28	9.28	9.28
72.5	6.72	7.04	7.04	7.04	7.36	7.68	8.00	8.00	8.00
75.0	5.44	5.76	5.76	5.76	6.08	6.40	6.72	6.72	6.72
77.5	4.48	4.80	4.80	4.80	5.12	5.12	5.44	5.44	5.44
80.0	3.52	3.52	3.52	3.52	3.84	3.84	4.16	4.16	4.16
82.5	2.56	2.56	2.56	2.88	2.88	2.88	2.88	2.88	2.88
85.0	1.60	1.60	1.60	1.60	1.60	1.60	1.92	1.92	1.60
87.5	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
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	261.11	N.A.	63.60
0-30	330.83	N.A.	80.50
0-40	360.41	N.A.	87.70
0-60	393.58	N.A.	95.80
0-80	409.07	N.A.	99.60
0-90	410.75	N.A.	100.00
10-90	302.67	N.A.	73.70
20-40	99.31	N.A.	24.20
20-50	118.40	N.A.	28.80
40-70	43.08	N.A.	10.50
60-80	15.49	N.A.	3.80
70-80	5.57	N.A.	1.40
80-90	1.68	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	410.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.08
10-20	153.03
20-30	69.72
30-40	29.59
40-50	19.09
50-60	14.07
60-70	9.92
70-80	5.57
80-90	1.68
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

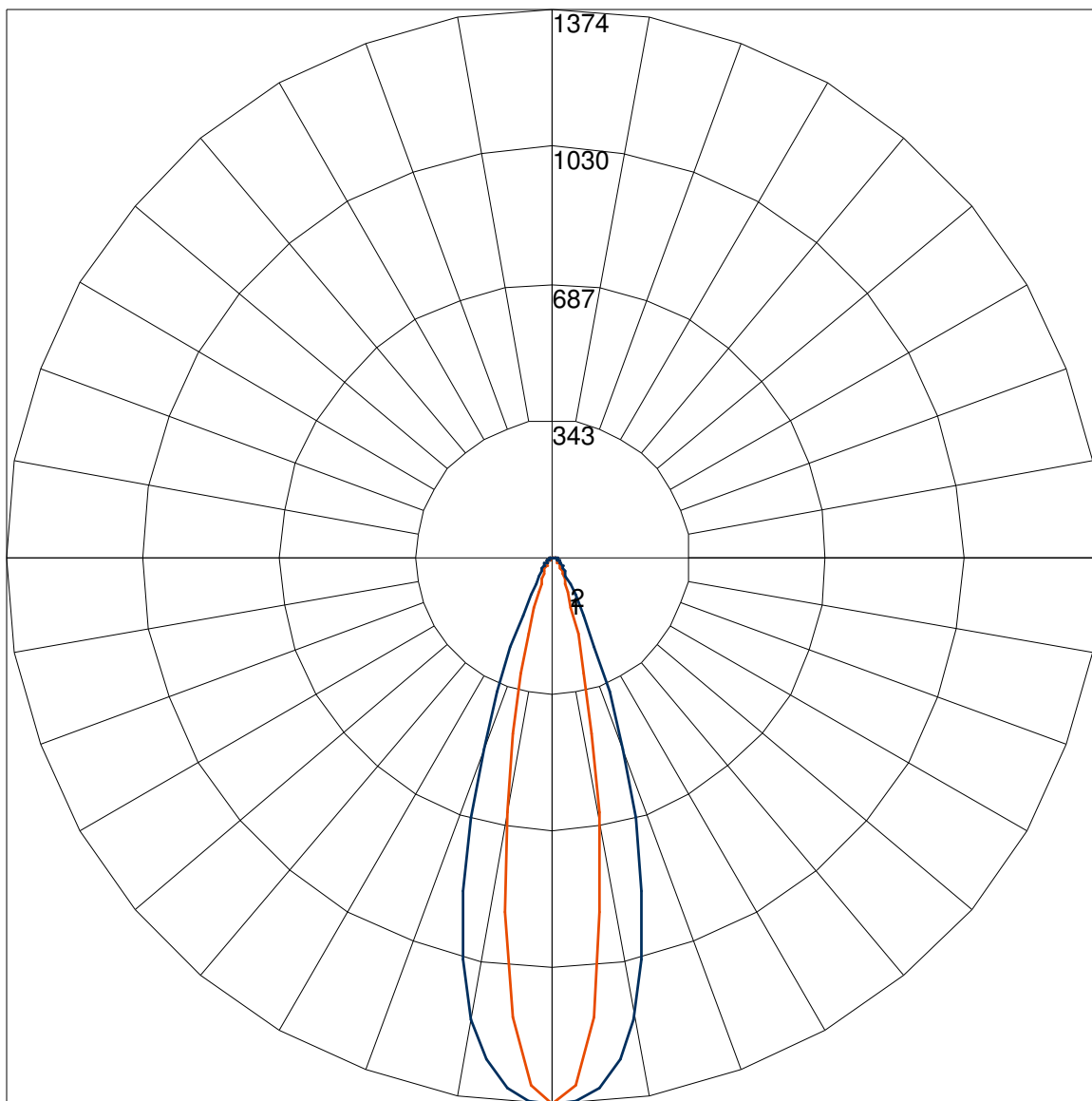
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	99	93	88	84	98	92	87	83	89	85	82	87	84	81	86	83	80	79
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	89	80	75	72	87	80	75	71	79	74	71	78	74	71	76	73	70	69
8	85	77	72	69	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62

POLAR GRAPH



Maximum Candela = 1373.76 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)