



1961 McGaw Ave, Irvine, CA 92614
phone: 949.442.1601
email: info@tempoic.com

IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-10X30-UNVE9-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 80168236-2P9W
[TESTLAB] CSA Group
[ISSUEDATE] 5/4/2023
[MANUFAC] Tempo LLC
[LUMCAT] C6C-10X30-UNVE9-35LG-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	911
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	8.22
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	8296	10304	12445
55	6929	7918	9568
65	5373	7165	8508
75	4021	6215	7677
85	3257	5428	5428

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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	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03
2.5	2942.24	2942.24	2944.37	2951.47	2955.02	2956.44	2964.96	2974.90	2981.29	2982.71
5.0	2576.59	2575.17	2588.66	2604.28	2627.00	2649.01	2682.38	2720.01	2751.25	2788.88
7.5	2002.20	2007.17	2027.05	2057.58	2098.76	2148.46	2208.81	2278.39	2351.52	2428.91
10.0	1448.40	1451.95	1472.54	1507.33	1555.61	1614.54	1688.38	1776.42	1869.43	1978.77
12.5	1003.23	1013.88	1031.63	1063.58	1109.02	1163.69	1235.40	1320.60	1417.16	1529.34
15.0	678.05	680.18	697.22	727.04	763.25	812.24	874.01	946.43	1033.76	1129.61
17.5	451.56	453.69	467.18	487.77	519.01	557.35	609.18	665.27	736.27	812.95
20.0	302.46	306.01	314.53	328.73	348.61	374.88	412.51	457.24	512.62	571.55
22.5	217.26	219.39	223.65	232.88	243.53	260.57	284.00	315.24	352.87	396.89
25.0	165.43	166.85	169.69	174.66	181.76	190.99	205.19	222.94	246.37	274.06
27.5	133.48	134.19	134.90	137.74	142.00	147.68	156.91	168.27	181.76	198.80
30.0	110.05	110.76	110.76	112.18	115.02	118.57	124.25	131.35	139.87	149.81
32.5	92.30	92.30	93.01	94.43	96.56	98.69	102.24	107.21	112.89	119.99
35.0	76.68	76.68	78.10	79.52	80.94	83.07	85.91	89.46	93.72	97.98
37.5	63.90	64.61	65.32	67.45	69.58	71.00	73.13	76.68	80.23	83.07
40.0	54.67	54.67	55.38	56.80	58.22	60.35	63.19	66.03	68.87	71.71
42.5	48.99	48.99	48.99	49.70	51.12	51.83	54.67	57.51	60.35	62.48
45.0	44.02	44.02	44.02	44.02	44.73	46.15	47.57	49.70	52.54	54.67
47.5	39.76	39.76	39.76	39.76	40.47	41.18	42.60	44.02	46.15	47.57
50.0	36.21	36.21	36.21	36.21	36.92	37.63	38.34	39.05	40.47	41.89
52.5	33.37	32.66	32.66	33.37	33.37	34.08	34.79	35.50	36.92	37.63
55.0	29.82	29.82	29.82	29.82	30.53	31.24	31.95	32.66	33.37	34.08
57.5	26.27	26.27	26.27	26.98	27.69	28.40	29.11	29.82	30.53	30.53
60.0	23.43	23.43	23.43	24.14	24.85	25.56	26.27	26.98	26.98	27.69
62.5	20.59	20.59	20.59	21.30	22.01	22.72	23.43	24.14	24.85	25.56
65.0	17.04	17.04	17.75	18.46	19.17	19.88	20.59	21.30	22.01	22.72
67.5	14.91	14.91	14.91	15.62	16.33	17.04	17.75	19.17	19.17	19.88
70.0	12.07	12.07	12.07	12.78	13.49	14.20	15.62	16.33	17.04	17.04
72.5	9.94	9.94	9.94	10.65	11.36	12.07	12.78	13.49	14.20	14.91
75.0	7.81	7.81	7.81	8.52	9.23	9.94	10.65	11.36	11.36	12.07
77.5	6.39	6.39	6.39	7.10	7.10	7.81	8.52	9.23	9.23	9.94
80.0	4.26	4.97	4.97	4.97	4.97	5.68	6.39	6.39	7.10	7.10
82.5	3.55	3.55	3.55	3.55	4.26	4.26	4.97	4.97	4.97	5.68
85.0	2.13	2.13	2.13	2.13	2.13	2.84	2.84	2.84	2.84	3.55
87.5	1.42	1.42	1.42	1.42	1.42	1.42	1.42	2.13	2.13	2.13
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	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03	3048.03
2.5	2988.39	3002.59	3006.14	3013.24	3016.08	3014.66	3016.79	3022.47	3033.83
5.0	2814.44	2855.62	2879.05	2909.58	2925.20	2933.72	2940.11	2955.02	2964.25
7.5	2504.88	2587.24	2651.85	2713.62	2755.51	2781.78	2800.24	2815.86	2828.64
10.0	2092.37	2213.78	2324.54	2430.33	2502.04	2554.58	2575.17	2598.60	2612.80
12.5	1652.17	1787.78	1926.23	2054.03	2159.82	2229.40	2267.03	2290.46	2301.11
15.0	1244.63	1371.72	1502.36	1644.36	1754.41	1840.32	1886.47	1917.71	1931.20
17.5	907.38	1008.20	1118.25	1231.14	1341.19	1427.81	1483.19	1514.43	1529.34
20.0	642.55	717.10	798.04	883.95	969.86	1042.28	1096.95	1129.61	1143.10
22.5	450.14	500.55	557.35	616.28	673.79	728.46	769.64	798.75	817.92
25.0	308.85	344.35	381.27	422.45	456.53	492.74	518.30	537.47	551.67
27.5	219.39	240.69	262.70	285.42	307.43	328.02	343.64	357.13	362.81
30.0	162.59	174.66	187.44	200.22	212.29	222.94	231.46	239.27	242.11

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32.5	127.09	133.48	140.58	147.68	155.49	161.17	166.85	170.40	171.82
35.0	102.24	106.50	110.76	115.02	119.28	122.83	126.38	128.51	128.51
37.5	85.91	89.46	92.30	94.43	97.27	100.11	102.24	103.66	104.37
40.0	73.84	75.97	77.39	80.23	81.65	83.78	85.91	87.33	87.33
42.5	64.61	66.03	67.45	69.58	71.00	72.42	73.84	75.26	75.97
45.0	56.09	57.51	58.93	60.35	62.48	63.90	64.61	66.03	66.03
47.5	48.99	50.41	51.83	53.96	55.38	56.80	57.51	58.22	58.22
50.0	43.31	44.73	46.15	47.57	48.99	50.41	51.12	51.83	51.83
52.5	38.34	39.76	41.18	42.60	44.02	45.44	45.44	46.15	46.15
55.0	34.08	34.79	36.21	37.63	39.76	40.47	40.47	41.18	41.18
57.5	31.24	31.24	32.66	34.08	35.50	36.21	36.21	36.92	36.92
60.0	28.40	28.40	29.11	30.53	31.24	32.66	32.66	33.37	33.37
62.5	25.56	25.56	26.27	26.98	28.40	29.11	29.82	29.82	29.82
65.0	22.72	22.72	23.43	24.14	24.85	26.27	26.27	26.98	26.98
67.5	20.59	20.59	20.59	21.30	22.01	22.72	23.43	24.14	24.14
70.0	17.75	17.75	17.75	18.46	19.17	19.88	20.59	20.59	20.59
72.5	14.91	15.62	15.62	15.62	16.33	17.04	17.75	17.75	17.75
75.0	12.07	12.78	12.78	12.78	13.49	14.20	14.91	14.91	14.91
77.5	9.94	10.65	10.65	10.65	11.36	11.36	12.07	12.07	12.07
80.0	7.81	7.81	7.81	7.81	8.52	8.52	9.23	9.23	9.23
82.5	5.68	5.68	5.68	6.39	6.39	6.39	6.39	6.39	6.39
85.0	3.55	3.55	3.55	3.55	3.55	3.55	4.26	4.26	3.55
87.5	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
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	579.33	N.A.	63.60
0-30	734.02	N.A.	80.50
0-40	799.67	N.A.	87.70
0-60	873.25	N.A.	95.80
0-80	907.62	N.A.	99.60
0-90	911.35	N.A.	100.00
10-90	671.55	N.A.	73.70
20-40	220.34	N.A.	24.20
20-50	262.70	N.A.	28.80
40-70	95.59	N.A.	10.50
60-80	34.37	N.A.	3.80
70-80	12.36	N.A.	1.40
80-90	3.73	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	911.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	239.80
10-20	339.53
20-30	154.69
30-40	65.65
40-50	42.36
50-60	31.22
60-70	22.01
70-80	12.36
80-90	3.73
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

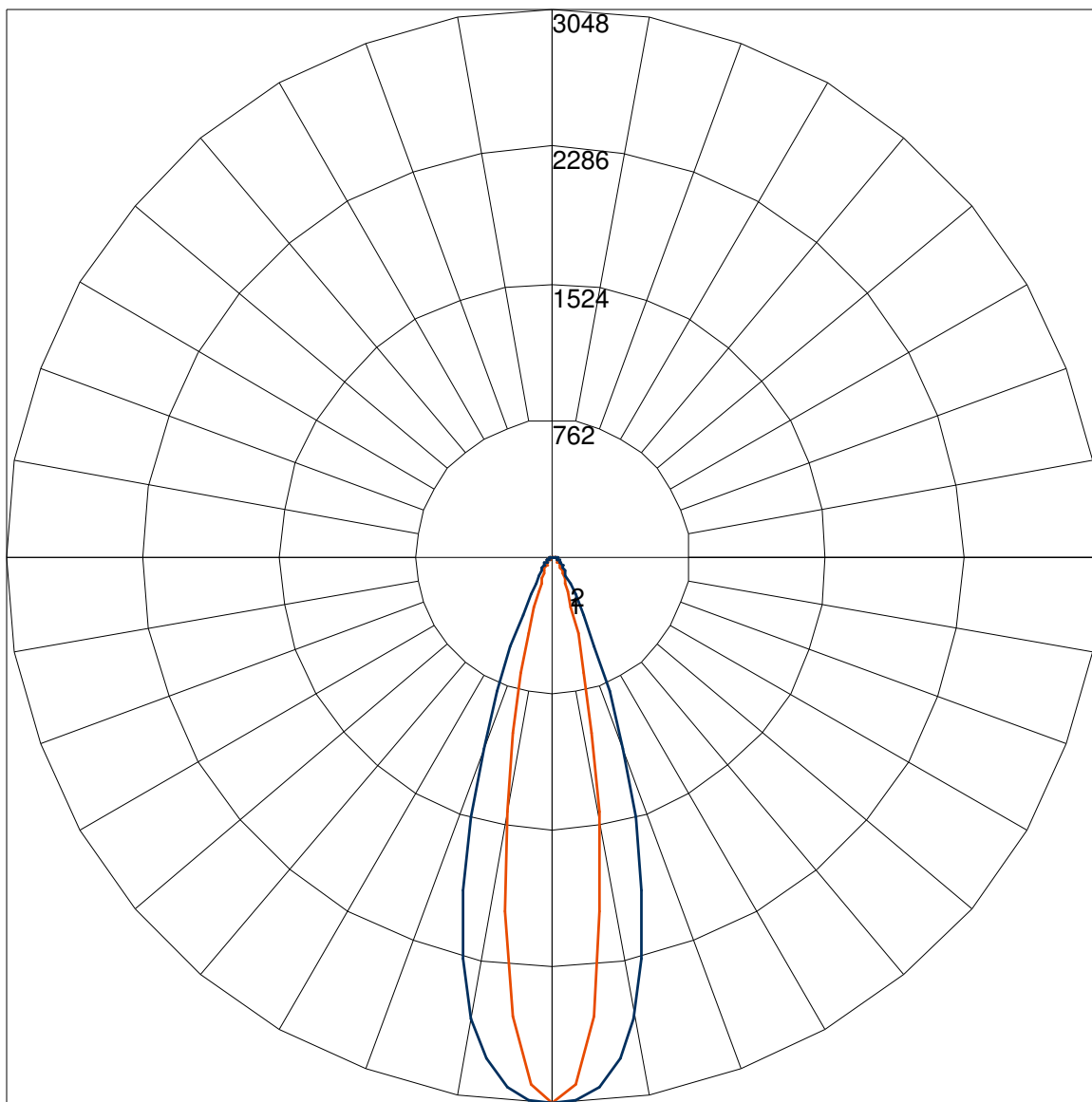
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 3048.03 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)