



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

IES INDOOR REPORT PHOTOMETRIC FILENAME : C6C-25X25-UNVET9-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4522
[TESTLAB] Tempo LLC
[ISSUEDATE] 7/6/2023 12:31:01 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-25X25-UNVET9-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with optics
[ELECTRICALS] 120.04 VAC, 0.0690 A, 0.9650 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	8.29
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.40
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	14465	18199	19071
55	12168	14859	20061
65	9864	11655	26236
75	5139	7394	21312
85	2584	2263	3884

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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	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72
2.5	2291.94	2288.76	2288.97	2290.08	2290.76	2288.51	2287.23	2286.56	2288.63	2287.38
5.0	2056.31	2054.62	2055.89	2055.97	2057.01	2058.89	2057.02	2059.76	2059.76	2059.71
7.5	1715.60	1715.65	1714.32	1714.04	1715.14	1716.07	1721.77	1721.33	1719.38	1713.59
10.0	1332.68	1333.46	1336.93	1337.17	1341.90	1337.79	1331.42	1329.08	1331.29	1332.94
12.5	988.54	988.67	992.21	991.67	992.07	986.82	982.09	982.93	984.60	984.91
15.0	722.44	724.35	725.24	724.23	723.19	717.83	716.18	719.06	716.49	718.18
17.5	543.74	543.04	542.56	540.81	537.50	536.25	535.46	535.88	534.88	532.91
20.0	423.61	422.96	422.72	421.51	420.02	419.33	419.12	417.90	415.55	413.70
22.5	342.75	342.31	341.63	341.84	341.88	342.73	342.71	341.32	339.69	338.36
25.0	275.49	277.05	278.69	282.13	285.96	289.25	290.42	290.78	290.02	289.05
27.5	228.49	229.37	230.97	235.70	241.39	246.76	250.49	252.64	252.59	251.56
30.0	192.19	193.57	196.89	200.53	205.74	211.33	216.38	218.14	218.72	217.79
32.5	152.57	154.17	157.72	164.36	172.70	179.90	185.43	189.49	191.70	191.15
35.0	130.19	130.61	132.49	135.55	141.62	149.80	158.06	165.42	170.10	172.58
37.5	108.15	108.68	111.26	114.72	120.40	126.16	133.84	142.04	146.90	150.63
40.0	93.93	94.01	94.82	96.38	101.48	107.04	113.72	120.33	124.92	129.05
42.5	84.45	84.49	84.80	85.47	87.54	90.26	95.75	100.85	106.30	112.13
45.0	76.75	76.80	77.05	77.28	78.78	80.39	83.24	87.25	92.57	96.56
47.5	70.09	70.13	70.20	70.36	71.65	72.86	74.79	76.91	80.10	83.47
50.0	63.69	63.71	63.89	64.21	65.39	66.56	68.27	70.25	73.10	76.16
52.5	57.83	57.92	58.19	58.52	59.27	60.44	62.10	64.10	67.18	70.33
55.0	52.37	52.41	52.55	52.87	53.65	54.62	56.14	58.25	61.06	63.95
57.5	47.04	47.04	47.19	47.39	48.20	49.11	50.36	52.29	54.60	57.08
60.0	41.74	41.81	42.00	42.21	42.79	43.47	44.51	46.01	48.10	50.20
62.5	36.51	36.59	36.64	36.93	37.25	37.85	38.82	39.99	41.53	43.22
65.0	31.28	31.21	31.36	31.65	32.08	32.57	33.18	34.23	35.50	36.96
67.5	25.56	25.59	25.76	26.06	26.51	27.14	27.83	28.75	29.89	31.31
70.0	20.03	19.95	20.09	20.60	21.17	21.89	22.57	23.54	24.64	25.87
72.5	15.30	15.29	15.41	15.77	16.38	17.06	17.85	18.82	19.91	21.07
75.0	9.98	9.92	10.01	10.25	10.62	11.12	11.59	12.45	13.41	14.36
77.5	6.82	6.80	6.73	6.75	6.84	7.14	7.54	8.02	8.56	9.25
80.0	4.37	4.48	4.53	4.46	4.46	4.53	4.70	4.99	5.31	5.68
82.5	2.87	2.86	2.88	2.86	2.83	2.88	2.96	3.07	3.19	3.40
85.0	1.69	1.71	1.70	1.69	1.70	1.70	1.70	1.73	1.42	1.48
87.5	0.59	0.59	0.60	0.59	0.58	0.60	0.60	0.60	0.59	0.62
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	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72	2372.72
2.5	2288.53	2289.66	2289.62	2290.95	2293.06	2293.04	2293.49	2294.45	2294.28
5.0	2058.02	2060.01	2061.73	2063.45	2064.56	2062.79	2064.02	2061.53	2060.71
7.5	1711.88	1710.27	1714.24	1712.59	1717.55	1711.17	1707.44	1709.76	1707.91
10.0	1331.28	1336.30	1330.51	1328.73	1331.47	1328.72	1325.68	1325.15	1329.85
12.5	988.69	983.51	985.33	986.60	983.60	985.18	978.50	979.79	972.84
15.0	714.86	713.41	714.55	711.80	708.91	711.29	705.16	703.86	704.84
17.5	531.69	529.81	531.14	526.25	524.06	523.40	519.25	518.62	518.81
20.0	411.57	409.44	408.77	405.59	402.98	401.00	397.49	396.00	396.27
22.5	336.25	333.92	332.26	329.29	326.77	323.63	320.39	318.90	319.02
25.0	287.59	285.64	283.12	279.78	276.19	271.71	266.99	263.44	264.38
27.5	249.77	247.48	244.83	240.32	235.46	229.97	225.40	222.10	222.66
30.0	216.50	212.70	209.87	206.37	202.90	199.59	197.13	195.35	195.69

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32.5	189.87	187.49	185.59	183.25	180.89	178.36	176.34	174.74	175.30
35.0	173.39	172.59	171.19	168.39	164.39	159.59	155.77	152.85	152.95
37.5	152.72	152.56	151.47	148.78	144.75	140.16	136.99	134.36	134.34
40.0	130.53	130.61	130.28	128.96	127.18	125.71	125.02	124.75	125.04
42.5	114.87	116.36	117.03	117.17	116.00	115.08	113.98	113.06	113.33
45.0	99.34	101.72	103.39	104.03	102.99	101.04	100.55	100.72	101.19
47.5	86.43	88.47	90.23	90.72	91.19	92.34	93.97	95.73	96.74
50.0	78.80	80.76	82.26	83.44	84.88	87.09	89.79	91.82	92.80
52.5	73.02	74.71	76.18	77.82	79.57	82.69	85.99	88.48	89.95
55.0	66.36	68.17	69.83	71.44	73.50	77.56	81.74	84.61	86.34
57.5	59.33	61.09	62.78	64.91	67.82	73.38	78.80	81.79	83.41
60.0	52.12	53.68	55.67	59.32	64.03	71.39	78.30	81.38	83.03
62.5	44.91	46.82	49.35	55.06	61.86	71.09	79.42	82.32	83.89
65.0	38.65	40.83	43.96	51.29	59.65	70.02	79.38	81.97	83.20
67.5	32.96	35.05	38.31	46.07	54.70	66.51	77.22	79.53	80.74
70.0	27.36	29.46	32.44	40.27	48.83	60.84	71.76	73.61	74.68
72.5	22.29	24.00	25.96	33.18	42.16	52.94	62.03	62.82	63.40
75.0	15.29	16.47	17.76	23.82	30.84	36.33	40.61	41.02	41.39
77.5	9.97	10.77	11.66	14.77	18.53	23.28	27.33	28.01	28.50
80.0	6.12	6.66	7.21	8.07	8.97	13.12	17.35	17.93	18.22
82.5	3.61	3.86	4.16	4.58	5.01	7.14	9.47	9.74	9.95
85.0	1.59	1.70	1.81	1.93	2.08	2.44	2.78	2.85	2.54
87.5	0.65	0.50	0.52	0.57	0.61	0.73	0.84	0.87	0.89
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	379.61	N.A.	46.90
0-30	511.65	N.A.	63.20
0-40	609.82	N.A.	75.30
0-60	740.09	N.A.	91.40
0-80	806.68	N.A.	99.60
0-90	809.64	N.A.	100.00
10-90	636.87	N.A.	78.70
20-40	230.21	N.A.	28.40
20-50	302.34	N.A.	37.30
40-70	175.09	N.A.	21.60
60-80	66.59	N.A.	8.20
70-80	21.77	N.A.	2.70
80-90	2.97	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	809.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	172.78
10-20	206.84
20-30	132.04
30-40	98.17
40-50	72.13
50-60	58.14
60-70	44.82
70-80	21.77
80-90	2.97
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

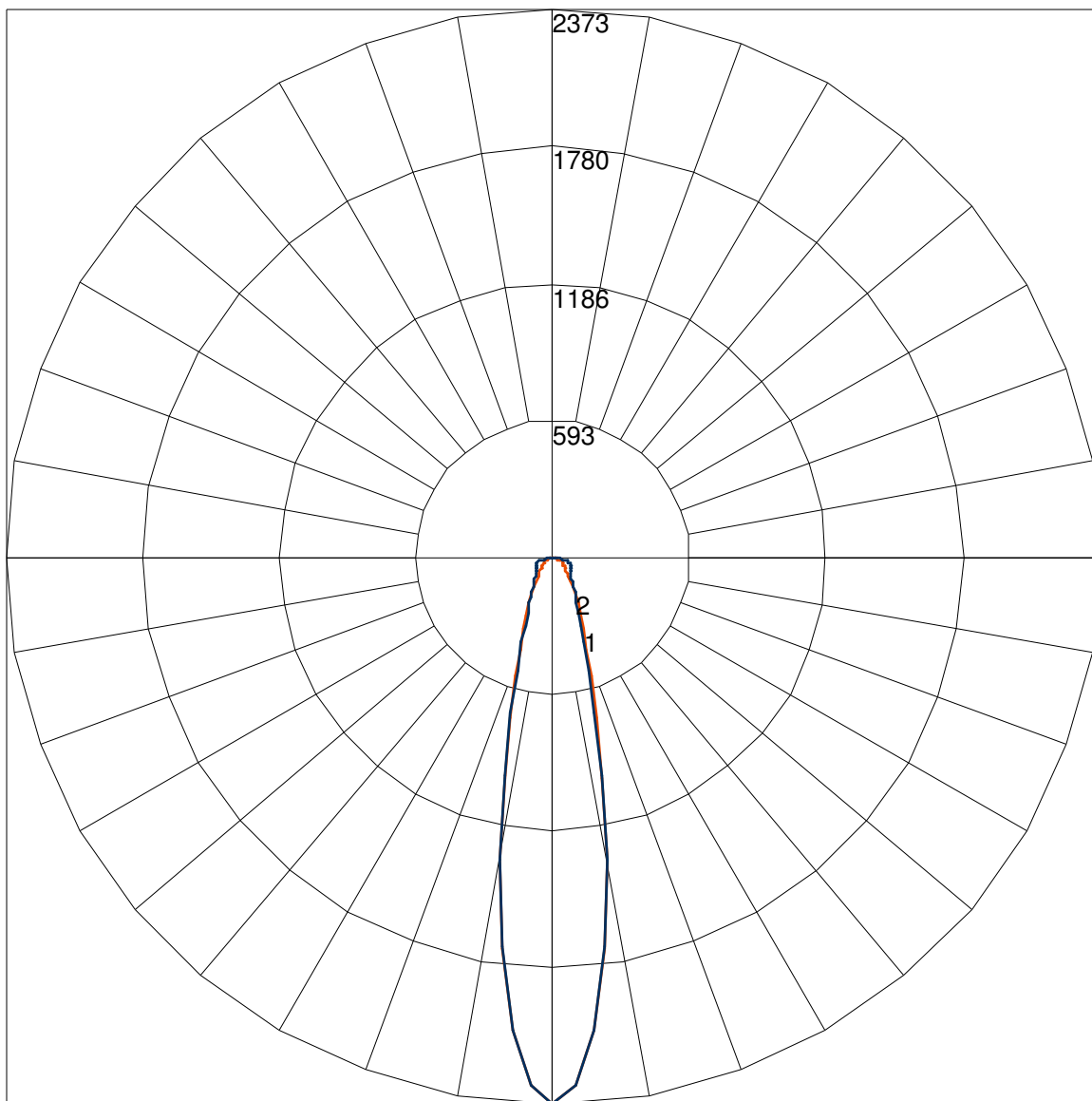
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	72	62	56	53	71	62	56	53	61	56	52	60	56	52	59	55	52	51

POLAR GRAPH



Maximum Candela = 2372.72 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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