
Foshan Innovative Lighting Technologies Co,LTD

Client:

LumCAT: LWP-4002B

Luminaire: Direct Linear Ambient Luminaires

Report No:

Ballast type:

Test No: LCZP18060818

Voltage(V):

LampCAT:

Current(A):

Lamp flux(lm): 3480.0

Power (W): 34.060

Number of Lamps: 1

PF:

Length(mm): 1140

Width(mm): 100

Phm Type: C

Height(mm): 40

Photometric Results

Lumens(lm): 3479.97, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 102.17

Central intensity(cd): 994.846, Maximum intensity(cd): 994.846

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50% I_{max}): [C0/180]Total=107.2

[C90/270]Total=131.4

Field angle(10% I_{max}): [C0/180]Total=159.8

[C90/270]Total=217.8

Maximum s/h(1/2): C0_180=1.22 C90_270=1.32

Maximum s/h(1/4): C0_180=1.34 C90_270=1.46

Up flux rate of lamp(%): 7.42%

Down flux rate of lamp(%): 92.58%

Up flux rate of LUM(%): 7.42%

Down flux rate of LUM(%): 92.58%

CIE Type : Direct lighting

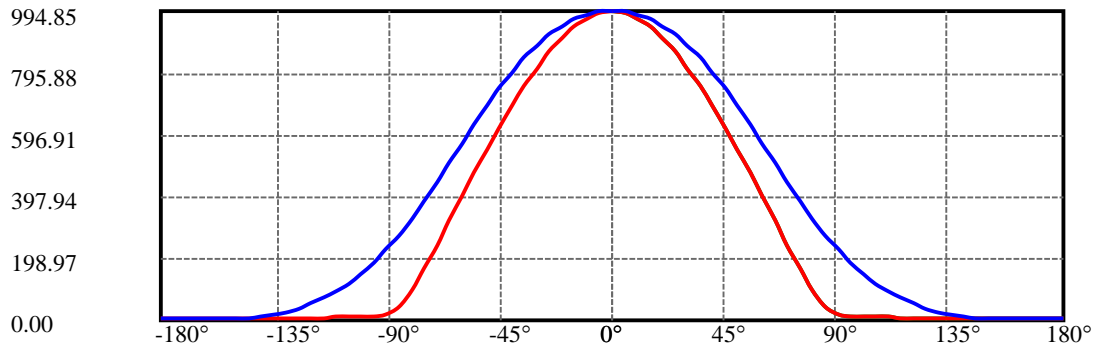
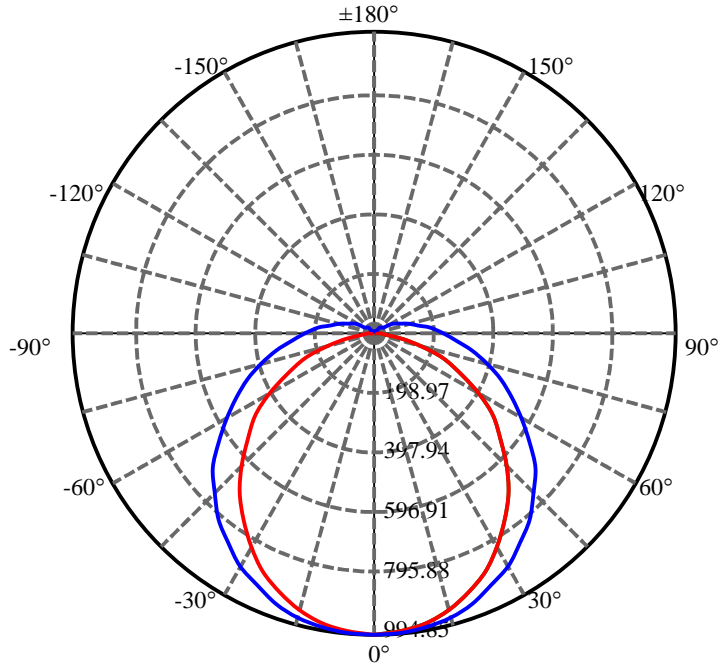
Output flux ratio in π solid angle : 66.122%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	994.846	0.000	0	0.00%	0.00%
5.0	990.480	23.734	23.734	0.68%	0.68%
10.0	978.050	70.421	94.155	2.02%	2.71%
15.0	957.039	114.788	208.943	3.30%	6.00%
20.0	928.405	155.387	364.33	4.47%	10.47%
25.0	892.341	190.963	555.292	5.49%	15.96%
30.0	849.177	220.391	775.683	6.33%	22.29%
35.0	799.396	242.764	1018.447	6.98%	29.27%
40.0	744.547	257.595	1276.042	7.40%	36.67%
45.0	684.821	264.659	1540.701	7.61%	44.27%
50.0	621.065	263.873	1804.575	7.58%	51.86%
55.0	554.912	255.696	2060.271	7.35%	59.20%
60.0	486.647	240.753	2301.024	6.92%	66.12%
65.0	418.716	220.095	2521.12	6.32%	72.45%
70.0	352.040	195.160	2716.28	5.61%	78.05%
75.0	288.949	167.544	2883.824	4.81%	82.87%
80.0	230.343	138.948	3022.772	3.99%	86.86%
85.0	179.843	111.457	3134.23	3.20%	90.06%
90.0	139.419	87.416	3221.646	2.51%	92.58%
95.0	109.510	68.159	3289.805	1.96%	94.54%
100.0	84.743	52.783	3342.588	1.52%	96.05%
105.0	64.891	40.038	3382.626	1.15%	97.20%
110.0	48.768	29.709	3412.334	0.85%	98.06%
115.0	36.040	21.474	3433.808	0.62%	98.67%
120.0	26.118	15.111	3448.919	0.43%	99.11%
125.0	18.335	10.275	3459.194	0.30%	99.40%
130.0	12.212	6.642	3465.836	0.19%	99.59%
135.0	8.341	4.153	3469.989	0.12%	99.71%
140.0	5.981	2.652	3472.641	0.08%	99.79%
145.0	4.544	1.756	3474.397	0.05%	99.84%
150.0	4.140	1.279	3475.676	0.04%	99.88%
155.0	4.880	1.142	3476.817	0.03%	99.91%
160.0	5.324	1.070	3477.888	0.03%	99.94%
165.0	5.324	0.878	3478.765	0.03%	99.97%
170.0	5.435	0.638	3479.403	0.02%	99.98%
175.0	6.211	0.417	3479.82	0.01%	100.00%
180.0	6.209	0.148	3479.969	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	775.68	22.29%	22.29%
0-40	1276.04	36.67%	36.67%
0-60	2301.02	66.12%	66.12%
0-90	3221.65	92.58%	92.58%
0-120	3448.92	99.11%	99.11%
0-180	3479.97	100.00%	100.00%
60-90	920.62	26.45%	26.45%
90-120	227.27	6.53%	6.53%
90-130	244.19	7.02%	7.02%
90-150	254.03	7.30%	7.30%
90-180	258.17	7.42%	7.42%
0-72.02	2783.98	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	94.15
10-20	270.18
20-30	411.35
30-40	500.36
40-50	528.53
50-60	496.45
60-70	415.26
70-80	306.49
80-90	198.87
90-100	120.94
100-110	69.75
110-120	36.58
120-130	16.92
130-140	6.80
140-150	3.03
150-160	2.21
160-170	1.52
170-180	0.42



C0(Max): ———

C0/C180: ———

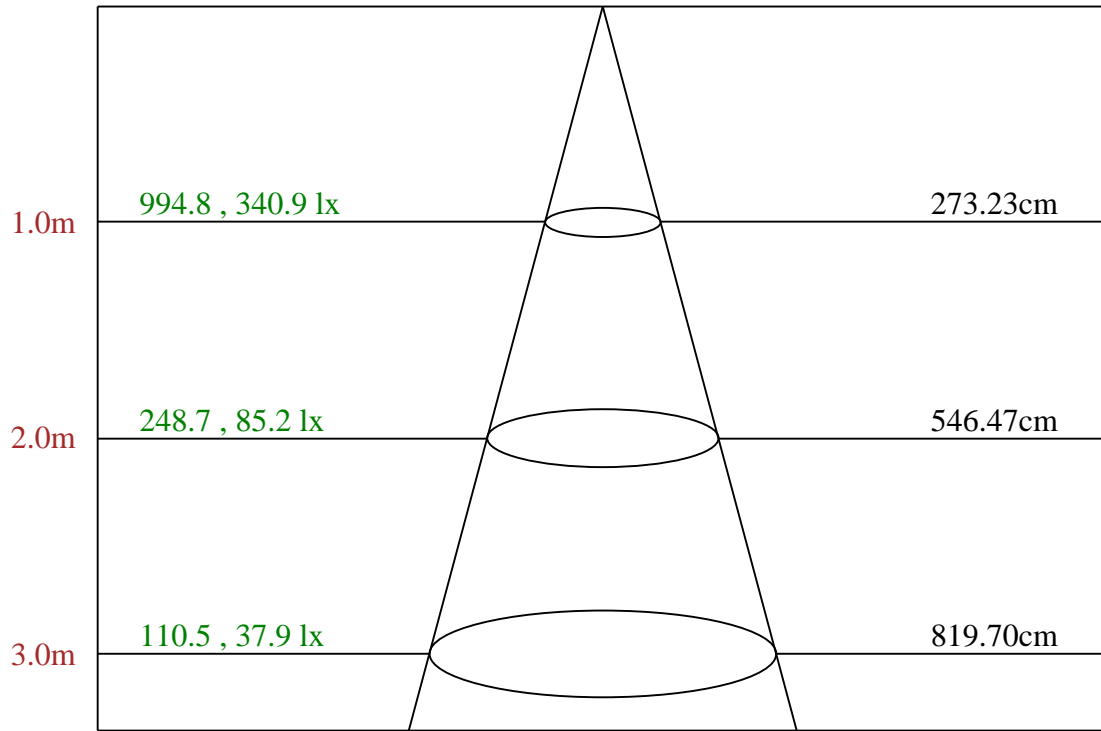
C90/C270: ———

Field angle(10% I_{max}):C0/180Left:79.9 Right:79.9

:C90/270Left:108.9 Right:108.9

Beam Angle(50% I_{max}):C0/180Left:53.6 Right:53.6

:C90/270Left:65.7 Right:65.7



Max , Ave Beam angle of C0 plane 107.59

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Intensity data(cd)									
C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	994.85	988.16	972.54	944.88	908.30	863.69	811.04	753.05	689.26
15.0	994.85	990.61	973.64	947.74	912.24	869.15	819.37	760.43	698.58
30.0	994.85	989.09	975.36	950.99	918.20	877.65	828.91	774.63	715.25
45.0	994.85	990.19	977.77	957.59	928.76	892.61	850.04	800.36	745.14
60.0	994.85	991.08	981.33	963.38	938.33	906.85	867.83	823.51	772.07
75.0	994.85	990.86	981.57	965.64	944.84	916.30	880.67	838.85	792.17
90.0	994.85	993.97	984.75	968.93	947.84	919.28	885.45	844.14	798.88
105.0	994.85	990.86	981.57	965.64	944.84	916.30	880.67	838.85	792.17
120.0	994.85	991.08	981.33	963.38	938.33	906.85	867.83	823.51	772.07
135.0	994.85	990.19	977.77	957.59	928.76	892.61	850.04	800.36	745.14
150.0	994.85	989.09	975.36	950.99	918.20	877.65	828.91	774.63	715.25
165.0	994.85	990.61	973.64	947.74	912.24	869.15	819.37	760.43	698.58
180.0	994.85	988.16	972.54	944.88	908.30	863.69	811.04	753.05	689.26
195.0	994.85	990.61	973.64	947.74	912.24	869.15	819.37	760.43	698.58
210.0	994.85	989.09	975.36	950.99	918.20	877.65	828.91	774.63	715.25
225.0	994.85	990.19	977.77	957.59	928.76	892.61	850.04	800.36	745.14
240.0	994.85	991.08	981.33	963.38	938.33	906.85	867.83	823.51	772.07
255.0	994.85	990.86	981.57	965.64	944.84	916.30	880.67	838.85	792.17
270.0	994.85	993.97	984.75	968.93	947.84	919.28	885.45	844.14	798.88
285.0	994.85	990.86	981.57	965.64	944.84	916.30	880.67	838.85	792.17
300.0	994.85	991.08	981.33	963.38	938.33	906.85	867.83	823.51	772.07
315.0	994.85	990.19	977.77	957.59	928.76	892.61	850.04	800.36	745.14
330.0	994.85	989.09	975.36	950.99	918.20	877.65	828.91	774.63	715.25
345.0	994.85	990.61	973.64	947.74	912.24	869.15	819.37	760.43	698.58
360.0	994.85	988.16	972.54	944.88	908.30	863.69	811.04	753.05	689.26
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	621.00	548.28	476.90	400.17	322.54	243.13	166.85	98.15	42.83
15.0	631.60	559.49	486.93	411.25	336.46	263.45	192.90	129.71	80.15
30.0	651.22	585.42	514.30	442.72	373.15	304.46	242.85	187.46	139.60
45.0	685.27	621.39	556.19	489.44	423.35	360.38	299.84	244.40	195.60
60.0	716.66	657.26	595.41	532.02	468.18	406.10	346.26	290.18	239.42
75.0	739.72	683.29	623.11	560.93	496.98	434.59	376.17	318.42	266.64
90.0	747.91	690.78	630.14	566.87	505.79	443.39	384.51	325.62	272.45
105.0	739.72	683.29	623.11	560.93	496.98	434.59	376.17	318.42	266.64
120.0	716.66	657.26	595.41	532.02	468.18	406.10	346.26	290.18	239.42
135.0	685.27	621.39	556.19	489.44	423.35	360.38	299.84	244.40	195.60
150.0	651.22	585.42	514.30	442.72	373.15	304.46	242.85	187.46	139.60
165.0	631.60	559.49	486.93	411.25	336.46	263.45	192.90	129.71	80.15
180.0	621.00	548.28	476.90	400.17	322.54	243.13	166.85	98.15	42.83
195.0	631.60	559.49	486.93	411.25	336.46	263.45	192.90	129.71	80.15
210.0	651.22	585.42	514.30	442.72	373.15	304.46	242.85	187.46	139.60
225.0	685.27	621.39	556.19	489.44	423.35	360.38	299.84	244.40	195.60
240.0	716.66	657.26	595.41	532.02	468.18	406.10	346.26	290.18	239.42
255.0	739.72	683.29	623.11	560.93	496.98	434.59	376.17	318.42	266.64
270.0	747.91	690.78	630.14	566.87	505.79	443.39	384.51	325.62	272.45
285.0	739.72	683.29	623.11	560.93	496.98	434.59	376.17	318.42	266.64
300.0	716.66	657.26	595.41	532.02	468.18	406.10	346.26	290.18	239.42
315.0	685.27	621.39	556.19	489.44	423.35	360.38	299.84	244.40	195.60
330.0	651.22	585.42	514.30	442.72	373.15	304.46	242.85	187.46	139.60
345.0	631.60	559.49	486.93	411.25	336.46	263.45	192.90	129.71	80.15
360.0	621.00	548.28	476.90	400.17	322.54	243.13	166.85	98.15	42.83

Intensity data(cd)									
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	16.51	14.28	12.49	11.15	9.37	8.03	7.14	5.80	4.91
15.0	47.11	28.35	18.53	13.17	9.82	8.04	6.70	5.80	4.69
30.0	100.82	71.80	49.86	34.35	23.27	15.73	10.64	7.09	4.43
45.0	153.25	118.88	89.82	66.54	48.13	33.71	23.07	15.30	9.31
60.0	194.42	157.17	123.26	95.32	71.83	52.77	37.69	25.72	16.63
75.0	219.73	180.34	145.16	114.40	88.07	66.16	48.68	34.52	23.01
90.0	225.87	186.76	151.17	119.97	93.60	71.63	52.73	37.35	25.49
105.0	219.73	180.34	145.16	114.40	88.07	66.16	48.68	34.52	23.01
120.0	194.42	157.17	123.26	95.32	71.83	52.77	37.69	25.72	16.63
135.0	153.25	118.88	89.82	66.54	48.13	33.71	23.07	15.30	9.31
150.0	100.82	71.80	49.86	34.35	23.27	15.73	10.64	7.09	4.43
165.0	47.11	28.35	18.53	13.17	9.82	8.04	6.70	5.80	4.69
180.0	16.51	14.28	12.49	11.15	9.37	8.03	7.14	5.80	4.91
195.0	47.11	28.35	18.53	13.17	9.82	8.04	6.70	5.80	4.69
210.0	100.82	71.80	49.86	34.35	23.27	15.73	10.64	7.09	4.43
225.0	153.25	118.88	89.82	66.54	48.13	33.71	23.07	15.30	9.31
240.0	194.42	157.17	123.26	95.32	71.83	52.77	37.69	25.72	16.63
255.0	219.73	180.34	145.16	114.40	88.07	66.16	48.68	34.52	23.01
270.0	225.87	186.76	151.17	119.97	93.60	71.63	52.73	37.35	25.49
285.0	219.73	180.34	145.16	114.40	88.07	66.16	48.68	34.52	23.01
300.0	194.42	157.17	123.26	95.32	71.83	52.77	37.69	25.72	16.63
315.0	153.25	118.88	89.82	66.54	48.13	33.71	23.07	15.30	9.31
330.0	100.82	71.80	49.86	34.35	23.27	15.73	10.64	7.09	4.43
345.0	47.11	28.35	18.53	13.17	9.82	8.04	6.70	5.80	4.69
360.0	16.51	14.28	12.49	11.15	9.37	8.03	7.14	5.80	4.91
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	4.01	4.01	4.01	4.01	4.91	5.35	5.35	5.80	6.25
15.0	4.02	4.02	4.02	4.02	4.91	5.36	5.36	5.58	6.25
30.0	3.99	3.99	3.99	3.99	4.88	5.32	5.32	5.54	6.20
45.0	5.99	3.77	3.99	3.99	4.88	5.32	5.32	5.32	6.21
60.0	10.64	6.87	4.21	4.21	4.88	5.32	5.32	5.32	6.21
75.0	15.05	9.74	5.75	4.43	4.87	5.31	5.31	5.31	6.20
90.0	16.70	10.98	6.59	4.39	4.83	5.27	5.27	5.27	6.15
105.0	15.05	9.74	5.75	4.43	4.87	5.31	5.31	5.31	6.20
120.0	10.64	6.87	4.21	4.21	4.88	5.32	5.32	5.32	6.21
135.0	5.99	3.77	3.99	3.99	4.88	5.32	5.32	5.32	6.21
150.0	3.99	3.99	3.99	3.99	4.88	5.32	5.32	5.54	6.20
165.0	4.02	4.02	4.02	4.02	4.91	5.36	5.36	5.58	6.25
180.0	4.01	4.01	4.01	4.01	4.91	5.35	5.35	5.80	6.25
195.0	4.02	4.02	4.02	4.02	4.91	5.36	5.36	5.58	6.25
210.0	3.99	3.99	3.99	3.99	4.88	5.32	5.32	5.54	6.20
225.0	5.99	3.77	3.99	3.99	4.88	5.32	5.32	5.32	6.21
240.0	10.64	6.87	4.21	4.21	4.88	5.32	5.32	5.32	6.21
255.0	15.05	9.74	5.75	4.43	4.87	5.31	5.31	5.31	6.20
270.0	16.70	10.98	6.59	4.39	4.83	5.27	5.27	5.27	6.15
285.0	15.05	9.74	5.75	4.43	4.87	5.31	5.31	5.31	6.20
300.0	10.64	6.87	4.21	4.21	4.88	5.32	5.32	5.32	6.21
315.0	5.99	3.77	3.99	3.99	4.88	5.32	5.32	5.32	6.21
330.0	3.99	3.99	3.99	3.99	4.88	5.32	5.32	5.54	6.20
345.0	4.02	4.02	4.02	4.02	4.91	5.36	5.36	5.58	6.25
360.0	4.01	4.01	4.01	4.01	4.91	5.35	5.35	5.80	6.25

Intensity data(cd)

C/γ(°)	180.0
0.0	6.21
15.0	6.21
30.0	6.21
45.0	6.21
60.0	6.21
75.0	6.21
90.0	6.21
105.0	6.21
120.0	6.21
135.0	6.21
150.0	6.21
165.0	6.21
180.0	6.21
195.0	6.21
210.0	6.21
225.0	6.21
240.0	6.21
255.0	6.21
270.0	6.21
285.0	6.21
300.0	6.21
315.0	6.21
330.0	6.21
345.0	6.21
360.0	6.21