
雅琪

Client:

LumCAT: WL-2LSD4FT40WBDHV(50K)-XX-XX

Luminaire: LED 灯具

Report No:

Ballast type:

Test No: LCZP20060551

Voltage(V): 119.980

LampCAT:

Current(A): 0.333

Lamp flux(lm): 4758.6

Power (W): 39.840

Number of Lamps: 1

PF: 0.997

Length(mm): 1200

Width(mm): 70

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 4758.62, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 119.44

Central intensity(cd): 3999.753, Maximum intensity(cd): 3999.753

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=55.2

[C90/270]Total=79.2

Field angle(10%Imax): [C0/180]Total=96.2

[C90/270]Total=110.8

Maximum s/h(1/2): C0_180=0.90 C90_270=1.11

Maximum s/h(1/4): C0_180=0.81 C90_270=1.14

Up flux rate of lamp(%): 0.41%

Down flux rate of lamp(%): 99.59%

Up flux rate of LUM(%): 0.41%

Down flux rate of LUM(%): 99.59%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.691%

雅琪 WL-2LSD4FT40WBDHV(50K)-XX-XX

Zonal flux distribution table

Appendix Page: 2 Total:12

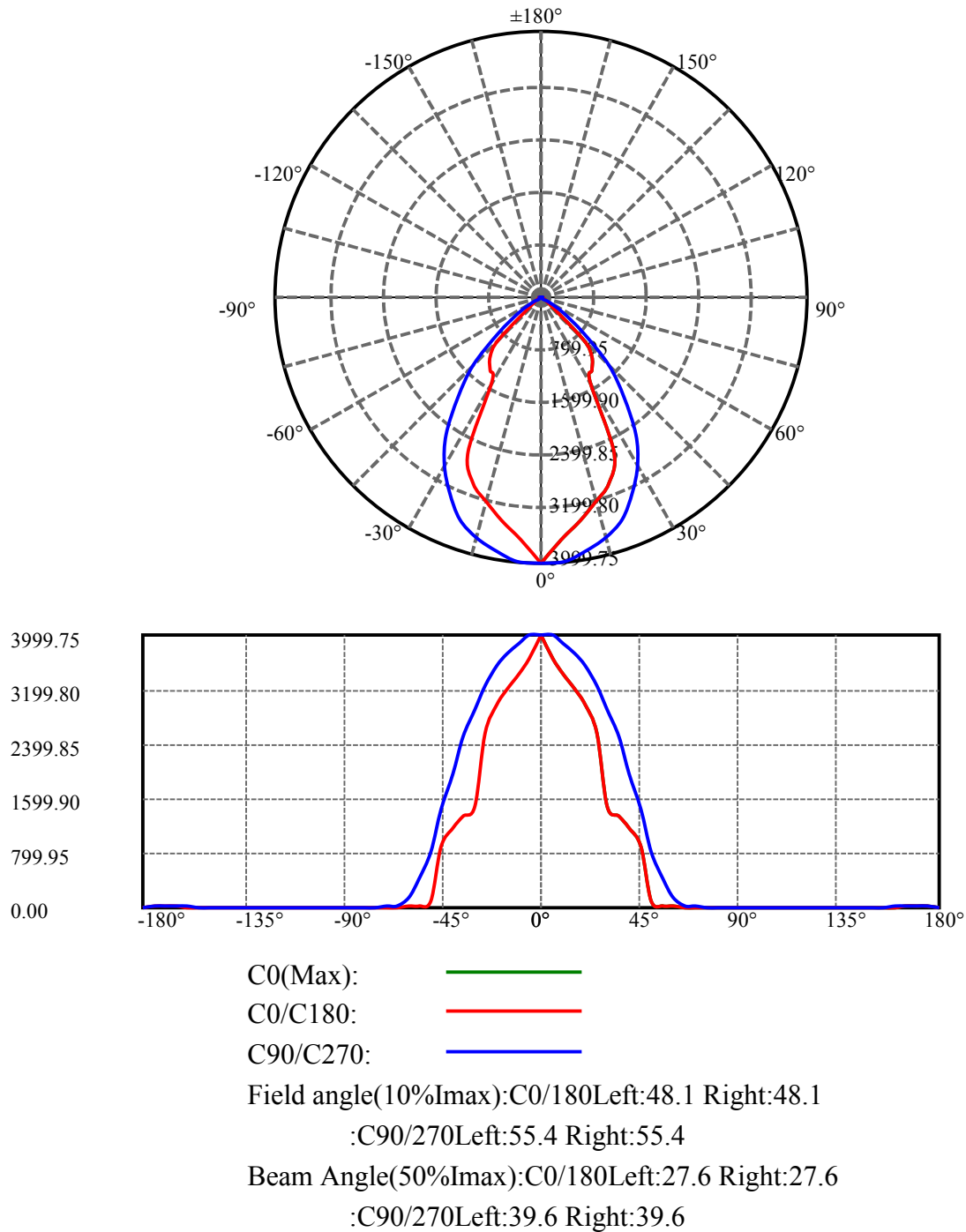
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3999.753	0.000	0	0.00%	0.00%
5.0	3800.896	93.255	93.255	1.96%	1.96%
10.0	3584.242	264.190	357.444	5.55%	7.51%
15.0	3363.869	412.157	769.601	8.66%	16.17%
20.0	3145.621	536.473	1306.075	11.27%	27.45%
25.0	2842.845	628.080	1934.154	13.20%	40.65%
30.0	2270.652	647.117	2581.272	13.60%	54.24%
35.0	1794.070	598.559	3179.831	12.58%	66.82%
40.0	1422.372	536.639	3716.47	11.28%	78.10%
45.0	1032.041	454.455	4170.924	9.55%	87.65%
50.0	505.759	310.735	4481.659	6.53%	94.18%
55.0	198.600	153.151	4634.81	3.22%	97.40%
60.0	67.442	61.495	4696.305	1.29%	98.69%
65.0	22.519	21.870	4718.175	0.46%	99.15%
70.0	12.652	8.905	4727.08	0.19%	99.34%
75.0	8.184	5.446	4732.526	0.11%	99.45%
80.0	4.543	3.406	4735.932	0.07%	99.52%
85.0	2.777	1.989	4737.921	0.04%	99.57%
90.0	0.976	1.028	4738.949	0.02%	99.59%
95.0	0.300	0.349	4739.298	0.01%	99.59%
100.0	0.412	0.194	4739.492	0.00%	99.60%
105.0	0.488	0.241	4739.732	0.01%	99.60%
110.0	0.600	0.284	4740.017	0.01%	99.61%
115.0	0.825	0.361	4740.378	0.01%	99.62%
120.0	1.426	0.547	4740.925	0.01%	99.63%
125.0	2.140	0.824	4741.749	0.02%	99.65%
130.0	2.477	1.004	4742.753	0.02%	99.67%
135.0	3.041	1.115	4743.868	0.02%	99.69%
140.0	4.168	1.335	4745.203	0.03%	99.72%
145.0	5.295	1.579	4746.782	0.03%	99.75%
150.0	7.510	1.886	4748.667	0.04%	99.79%
155.0	10.101	2.229	4750.896	0.05%	99.84%
160.0	12.279	2.347	4753.243	0.05%	99.89%
165.0	13.819	2.151	4755.394	0.05%	99.93%
170.0	15.660	1.749	4757.143	0.04%	99.97%
175.0	16.974	1.167	4758.31	0.02%	99.99%
180.0	8.824	0.308	4758.619	0.01%	100.00%

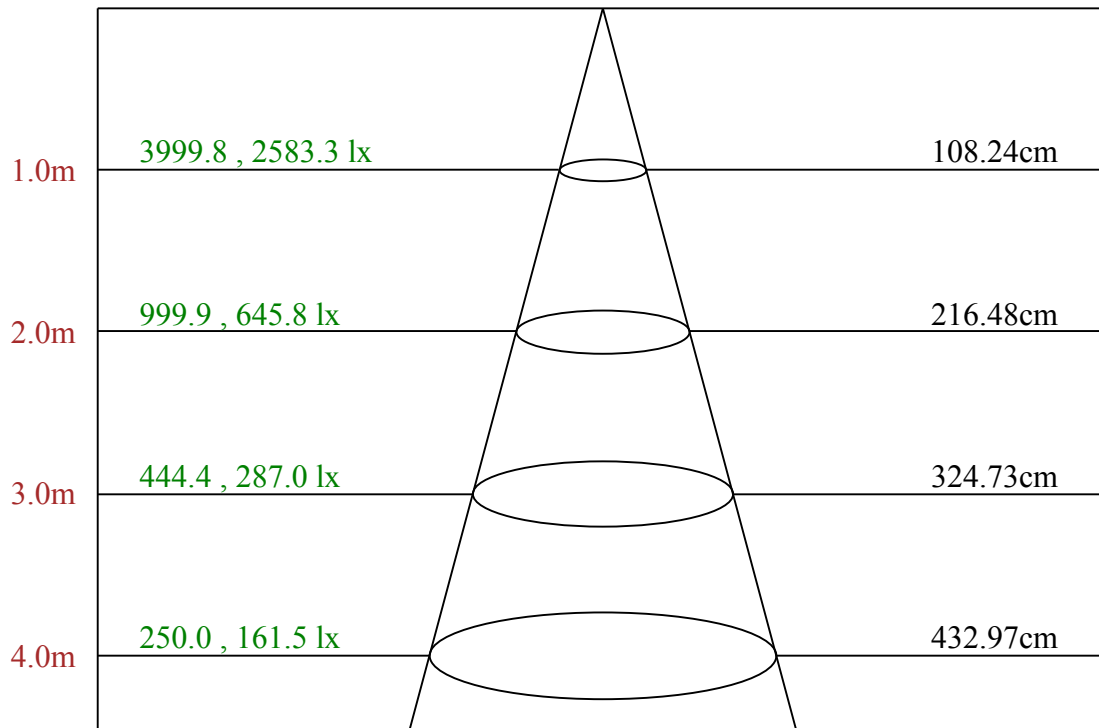
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2581.27	54.24%	54.24%
0-40	3716.47	78.10%	78.10%
0-60	4696.30	98.69%	98.69%
0-90	4738.95	99.59%	99.59%
0-120	4740.92	99.63%	99.63%
0-180	4758.62	100.00%	100.00%
60-90	42.64	0.90%	0.90%
90-120	1.98	0.04%	0.04%
90-130	3.80	0.08%	0.08%
90-150	9.72	0.20%	0.20%
90-180	19.36	0.41%	0.41%
0-40.99	3806.90	80.00%	80.00%

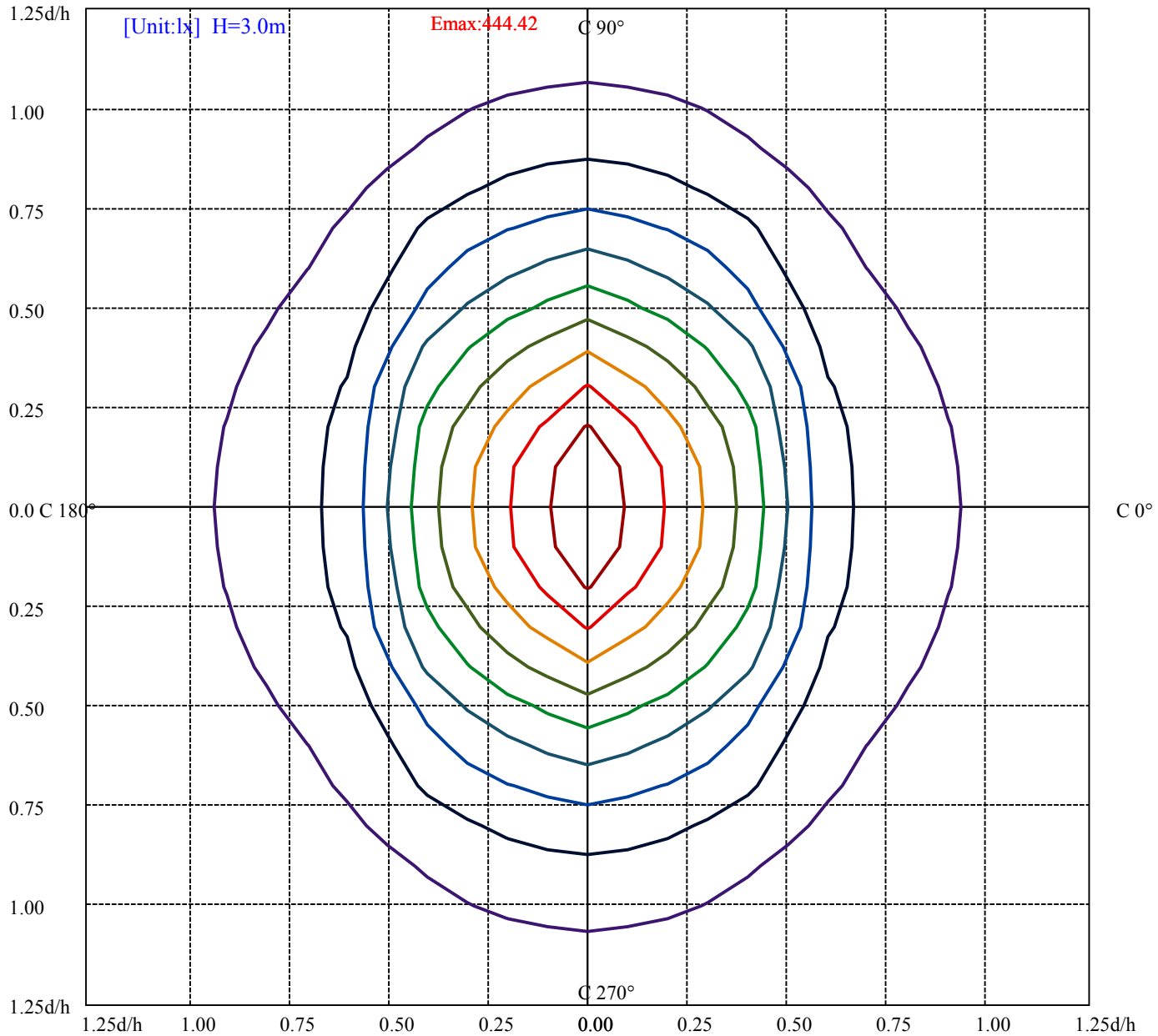
ZONAL LUMEN SUMMARY

0-10	357.44
10-20	948.63
20-30	1275.20
30-40	1135.20
40-50	765.19
50-60	214.65
60-70	30.78
70-80	8.85
80-90	3.02
90-100	0.54
100-110	0.53
110-120	0.91
120-130	1.83
130-140	2.45
140-150	3.46
150-160	4.58
160-170	3.90
170-180	1.17

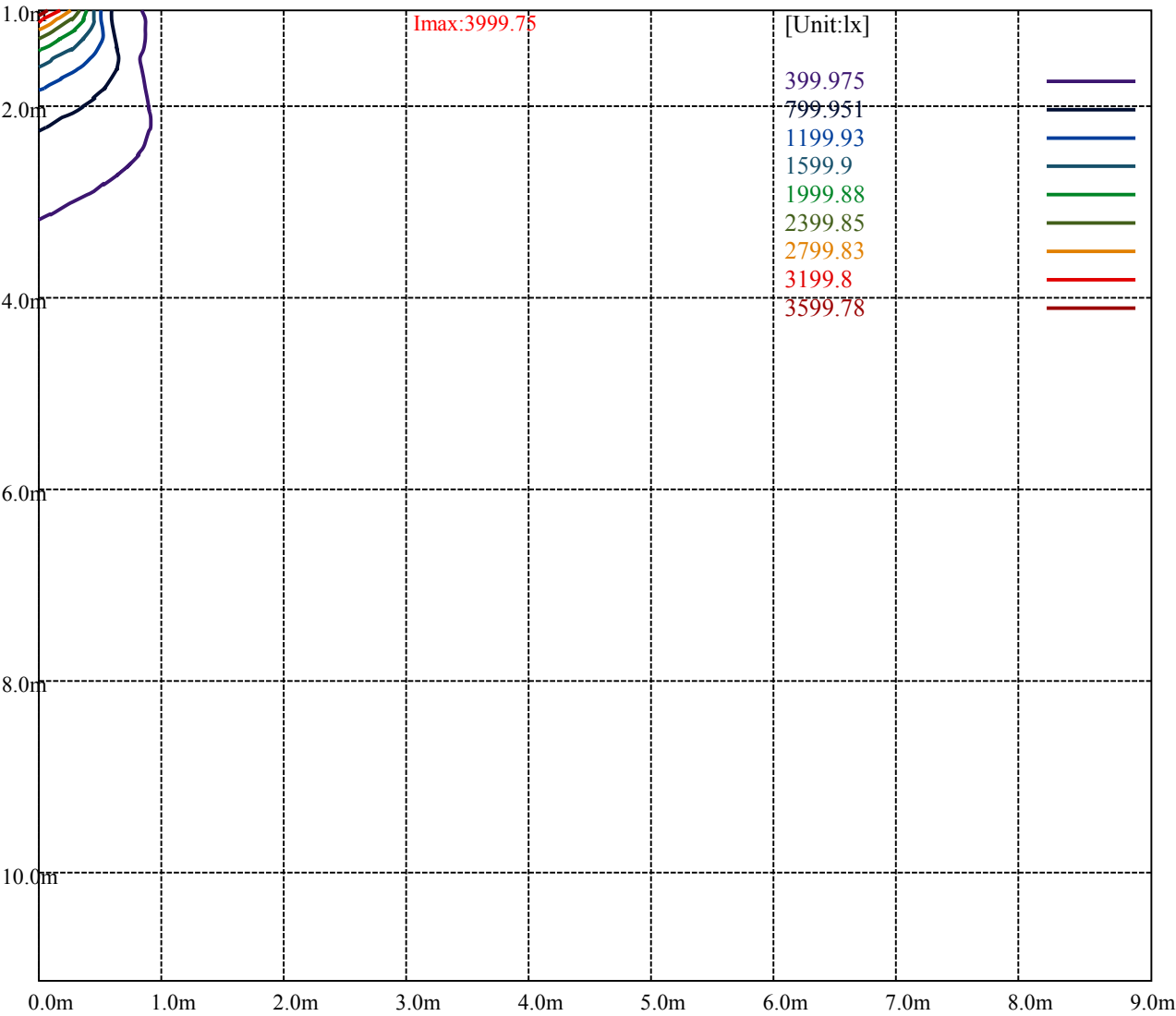




Max , Ave Beam angle of C0 plane 56.85



(10%Emax)	44.44167	
(20%Emax)	88.88322	
(30%Emax)	133.3244	
(40%Emax)	177.7667	
(50%Emax)	222.2078	
(60%Emax)	266.65	
(70%Emax)	311.0911	
(80%Emax)	355.5333	
(90%Emax)	399.9745	



雅琪 WL-2LSD4FT40WBDHV(50K)-XX-XX

Luminance Limiting Curve(no luminous side)

Appendix Page: 8 Total:12

Luminance Table

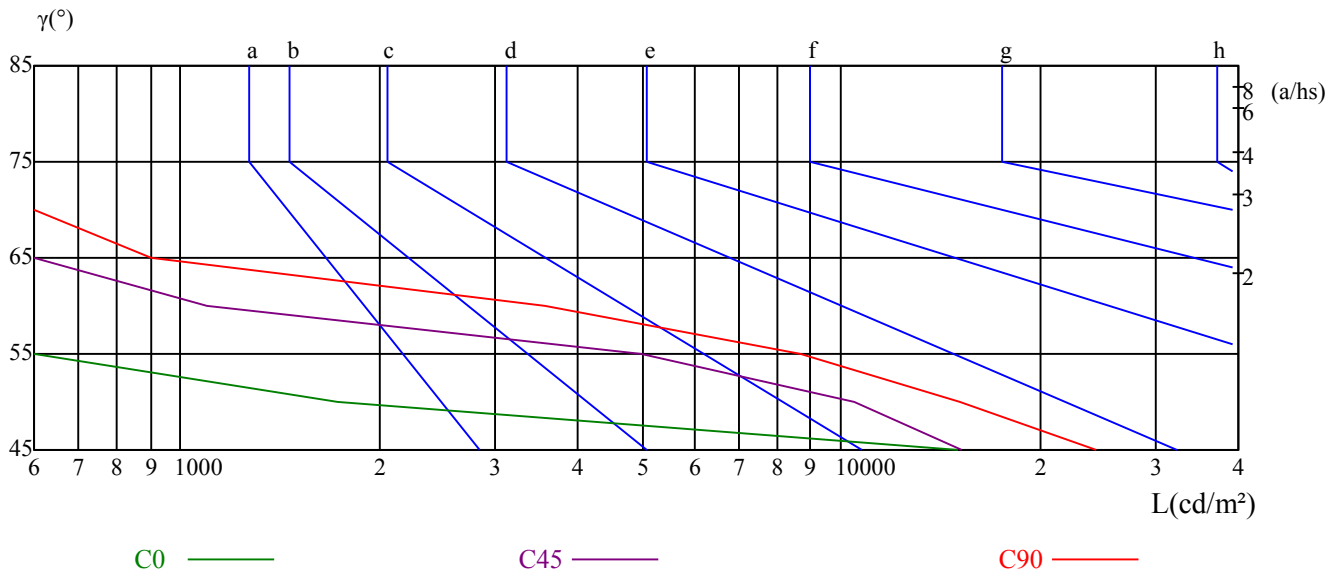
γ	45	50	55	60	65	70	75	80	85
C0	15023	1724	483	362	315	249	226	276	244
C45	15216	10449	4993	1095	572	448	384	309	370
C90	24395	15195	8697	3559	903	566	457	341	493

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
315	903	572	226	457	384	244	493	370

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



RHOC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.93	0.92
2	1.01	0.96	0.92	0.99	0.95	0.91	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.83
3	0.92	0.87	0.82	0.91	0.86	0.82	0.88	0.84	0.80	0.86	0.82	0.79	0.83	0.80	0.78	0.76
4	0.85	0.79	0.74	0.84	0.78	0.73	0.82	0.77	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.69
5	0.79	0.72	0.67	0.77	0.71	0.67	0.76	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.65	0.63
6	0.73	0.66	0.61	0.72	0.65	0.61	0.70	0.64	0.60	0.69	0.64	0.60	0.67	0.63	0.59	0.58
7	0.67	0.61	0.56	0.67	0.60	0.56	0.65	0.60	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.53
8	0.63	0.56	0.51	0.62	0.56	0.51	0.61	0.55	0.51	0.60	0.55	0.51	0.59	0.54	0.50	0.49
9	0.59	0.52	0.47	0.58	0.52	0.47	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.50	0.47	0.45
10	0.55	0.48	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.53	0.47	0.44	0.52	0.47	0.43	0.42

雅琪 WL-2LSD4FT40WBDHV(50K)-XX-XX

Intensity data(cd)

Appendix Page: 10 Total:12

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	3999.75	3698.14	3480.65	3226.47	2983.93	2806.72	1556.40	1304.91	1211.83
15.0	3999.75	3721.45	3489.09	3250.42	2986.53	2874.85	1725.63	1296.02	1209.56
30.0	3999.75	3753.68	3510.30	3285.70	3063.79	2886.62	2367.64	1323.41	1107.76
45.0	3999.75	3821.57	3536.83	3364.91	3158.08	2919.00	2625.31	2033.45	1199.84
60.0	3999.75	3867.40	3605.37	3431.28	3277.61	2993.37	2603.44	2319.20	1907.06
75.0	3999.75	3922.61	3788.06	3621.22	3420.29	3062.38	2774.44	2472.15	1972.52
90.0	3999.75	3964.53	3898.61	3811.01	3608.72	3282.71	3005.46	2646.94	2102.38
105.0	3999.75	3951.92	3777.74	3576.49	3353.58	3023.28	2741.71	2464.65	1980.92
120.0	3999.75	3893.07	3616.41	3409.37	3236.69	2998.01	2624.61	2296.42	1833.52
135.0	3999.75	3853.33	3544.12	3335.86	3172.16	2898.41	2603.75	1852.55	1145.90
150.0	3999.75	3812.55	3530.38	3292.03	3071.96	2870.14	2271.09	1342.38	1191.71
165.0	3999.75	3788.23	3501.04	3297.72	3023.29	2849.15	1642.02	1336.59	1278.24
180.0	3999.75	3592.53	3366.09	3162.03	2965.13	2322.52	1405.15	1369.35	1133.96
195.0	3999.75	3626.89	3431.45	3232.41	2959.51	2344.37	1433.82	1296.02	1122.20
210.0	3999.75	3665.10	3461.08	3258.86	2968.05	2691.56	1720.70	1244.67	1093.44
225.0	3999.75	3732.92	3518.03	3243.14	3016.60	2721.12	2362.96	1612.62	1036.87
240.0	3999.75	3833.65	3576.95	3306.04	3074.20	2858.36	2511.06	2073.16	1589.06
255.0	3999.75	3973.74	3745.90	3475.90	3260.62	2981.65	2630.02	2229.96	1715.08
270.0	3999.75	4022.33	3870.61	3661.10	3504.86	3201.43	2817.62	2370.59	1818.81
285.0	3999.75	3932.07	3692.91	3407.73	3218.21	2951.98	2612.65	2218.27	1700.26
300.0	3999.75	3800.85	3567.59	3328.00	3081.18	2859.68	2502.56	2118.31	1483.63
315.0	3999.75	3698.73	3539.57	3286.75	3011.18	2748.35	2343.65	1335.98	1030.40
330.0	3999.75	3663.70	3509.37	3238.16	3000.73	2676.55	2193.47	1219.10	1104.95
345.0	3999.75	3630.50	3463.66	3230.25	3078.00	2406.05	1420.47	1280.98	1167.01
360.0	3999.75	3698.14	3480.65	3226.47	2983.93	2806.72	1556.40	1304.91	1211.83

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1059.68	130.67	25.95	17.00	12.53	8.05	5.37	4.47	2.68
15.0	1070.86	611.54	45.93	24.32	16.21	11.71	8.11	4.50	2.70
30.0	929.70	607.57	84.11	34.00	20.58	12.53	8.95	4.47	2.68
45.0	931.22	659.91	328.61	68.05	24.18	14.33	9.85	4.48	2.69
60.0	1267.52	644.86	322.43	128.80	31.98	15.99	10.66	5.33	3.55
75.0	1480.96	902.39	452.99	181.20	48.44	17.94	10.76	5.38	3.59
90.0	1577.69	931.08	493.99	198.68	39.74	18.06	11.74	5.42	3.61
105.0	1505.32	895.25	410.62	162.44	46.93	17.15	10.83	5.41	3.61
120.0	1106.62	644.63	331.81	105.78	28.93	15.37	9.95	5.42	3.62
135.0	956.74	656.62	306.48	49.11	21.83	12.73	9.09	4.55	2.73
150.0	948.80	564.35	66.66	29.22	19.18	12.78	8.22	4.57	2.74
165.0	959.14	163.20	33.73	20.97	14.59	10.03	6.38	4.56	1.82
180.0	724.95	55.49	20.58	13.42	9.84	6.26	4.47	3.58	0.89
195.0	719.61	73.85	28.82	19.81	12.61	9.01	5.40	3.60	1.80
210.0	762.37	341.81	50.11	25.05	15.21	10.74	6.26	3.58	1.79
225.0	807.65	470.98	191.62	34.92	17.01	11.64	7.16	4.48	2.69
240.0	914.89	488.53	209.63	58.62	20.43	12.44	7.99	4.44	3.55
255.0	1220.83	666.48	316.64	85.22	24.22	13.46	8.07	4.49	3.59
270.0	1320.31	709.82	344.07	100.24	24.38	14.45	8.13	4.52	3.61
285.0	1194.87	667.83	283.38	80.32	23.46	14.44	11.73	4.51	3.61
300.0	786.57	494.54	215.18	105.78	21.70	12.66	8.14	4.52	2.71
315.0	919.45	469.28	135.51	31.83	18.19	12.73	7.28	4.55	2.73
330.0	838.30	214.60	40.18	25.57	15.52	10.96	6.39	4.57	1.83
345.0	764.94	72.94	27.35	18.23	12.76	8.21	5.47	3.65	1.82
360.0	1059.68	130.67	25.95	17.00	12.53	8.05	5.37	4.47	2.68

雅琪 WL-2LSD4FT40WBDHV(50K)-XX-XX

Intensity data(cd)								Appendix Page: 11 Total:12	
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.89	1.79	1.79
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.80	1.80
30.0	0.89	0.00	0.00	0.00	0.00	0.00	0.89	1.79	2.68
45.0	0.90	0.00	0.00	0.00	0.00	0.00	1.79	2.69	2.69
60.0	1.78	0.00	0.00	0.00	0.00	0.89	1.78	2.66	3.55
75.0	1.79	0.00	0.00	0.00	0.00	0.90	1.79	3.59	3.59
90.0	1.81	0.00	0.00	0.00	0.00	0.90	1.81	3.61	3.61
105.0	1.80	0.00	0.00	0.00	0.00	0.90	1.80	3.61	3.61
120.0	1.81	0.00	0.00	0.00	0.00	0.90	1.81	2.71	3.62
135.0	0.91	0.00	0.00	0.00	0.00	0.00	0.91	2.73	2.73
150.0	0.91	0.00	0.00	0.00	0.00	0.00	0.91	1.83	2.74
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.82	1.82
180.0	0.00	0.00	0.00	0.89	0.89	0.89	0.89	0.89	1.79
195.0	0.00	0.00	0.00	0.00	0.90	0.90	0.90	0.90	1.80
210.0	0.89	0.00	0.89	0.89	0.89	0.89	0.89	1.79	1.79
225.0	0.90	0.90	0.90	0.90	0.90	0.90	1.79	1.79	1.79
240.0	0.89	0.89	0.89	0.89	1.78	1.78	1.78	1.78	2.66
255.0	0.90	0.90	1.79	1.79	1.79	1.79	1.79	2.69	2.69
270.0	2.71	1.81	1.81	1.81	1.81	1.81	2.71	2.71	2.71
285.0	1.80	0.90	1.80	1.80	1.80	1.80	1.80	1.80	2.71
300.0	0.90	0.90	0.90	0.90	0.90	1.81	1.81	1.81	1.81
315.0	0.91	0.91	0.91	0.91	0.91	0.91	1.82	1.82	1.82
330.0	0.91	0.00	0.00	0.91	0.91	0.91	0.91	1.83	1.83
345.0	0.00	0.00	0.00	0.00	0.91	0.91	0.91	0.91	1.82
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.89	1.79	1.79

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	2.68	3.58	4.47	7.16	9.84	12.53	14.32	16.11	17.00
15.0	2.70	3.60	4.50	7.21	9.91	12.61	14.41	16.21	17.11
30.0	2.68	4.47	5.37	8.05	10.74	12.53	14.32	16.11	17.00
45.0	3.58	4.48	6.27	8.06	10.74	12.54	14.33	16.12	17.01
60.0	4.44	4.44	6.22	8.88	11.55	13.32	15.10	15.99	16.88
75.0	4.49	5.38	7.18	8.97	11.66	13.46	15.25	16.15	17.04
90.0	4.52	5.42	7.22	9.03	11.74	13.55	15.35	16.26	17.16
105.0	4.51	5.41	7.22	9.02	11.73	12.63	15.34	16.24	17.15
120.0	4.52	4.52	6.33	9.04	11.75	12.66	14.47	16.27	17.18
135.0	3.64	4.55	6.37	8.19	10.91	12.73	14.55	16.37	17.28
150.0	3.65	4.57	5.48	8.22	10.96	12.78	14.61	16.44	17.35
165.0	2.74	3.65	5.47	8.21	10.03	12.76	14.59	16.41	17.32
180.0	1.79	3.58	4.47	6.26	8.95	11.63	12.53	15.21	17.00
195.0	1.80	3.60	4.50	6.30	9.01	11.71	12.61	15.31	17.11
210.0	1.79	3.58	4.47	5.37	8.95	11.63	12.53	14.32	16.11
225.0	1.79	3.58	4.48	7.16	8.95	11.64	12.54	15.22	16.12
240.0	2.66	3.55	4.44	7.11	8.88	11.55	12.44	14.21	15.99
255.0	3.59	4.49	4.49	7.18	9.87	11.66	12.56	15.25	17.04
270.0	3.61	4.52	5.42	7.22	9.93	11.74	13.55	15.35	17.16
285.0	2.71	4.51	4.51	7.22	9.93	11.73	13.54	15.34	17.15
300.0	2.71	3.62	4.52	7.23	9.04	11.75	13.56	15.37	17.18
315.0	2.73	3.64	4.55	6.37	9.09	11.82	12.73	15.46	17.28
330.0	1.83	3.65	4.57	6.39	9.13	11.87	13.70	15.52	17.35
345.0	1.82	3.65	4.56	6.38	9.12	11.85	12.76	14.59	16.41
360.0	2.68	3.58	4.47	7.16	9.84	12.53	14.32	16.11	17.00

Intensity data(cd)

Appendix Page: 12 Total:12

C/γ(°)	180.0
0.0	17.90
15.0	17.11
30.0	17.00
45.0	17.01
60.0	17.76
75.0	17.94
90.0	18.06
105.0	18.05
120.0	18.08
135.0	18.19
150.0	17.35
165.0	17.32
180.0	0.00
195.0	0.00
210.0	0.00
225.0	0.00
240.0	0.00
255.0	0.00
270.0	0.00
285.0	0.00
300.0	0.00
315.0	0.00
330.0	0.00
345.0	0.00
360.0	17.90