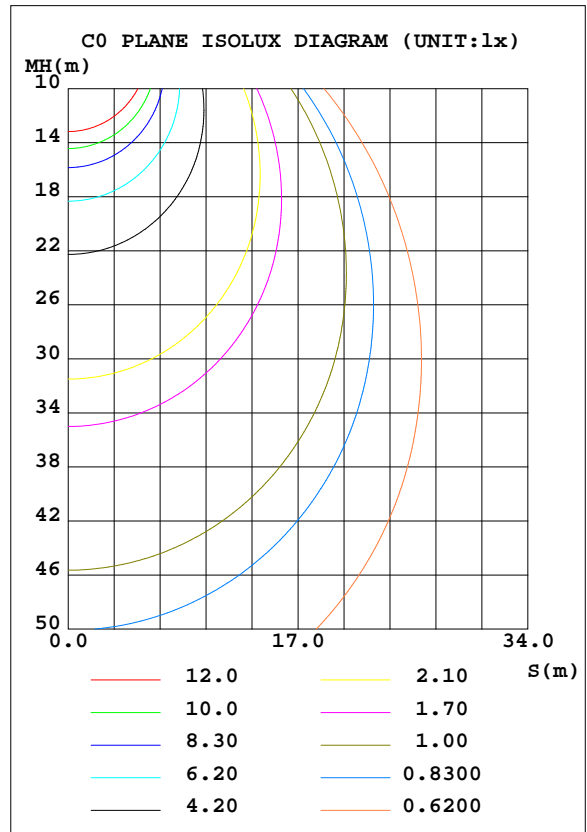
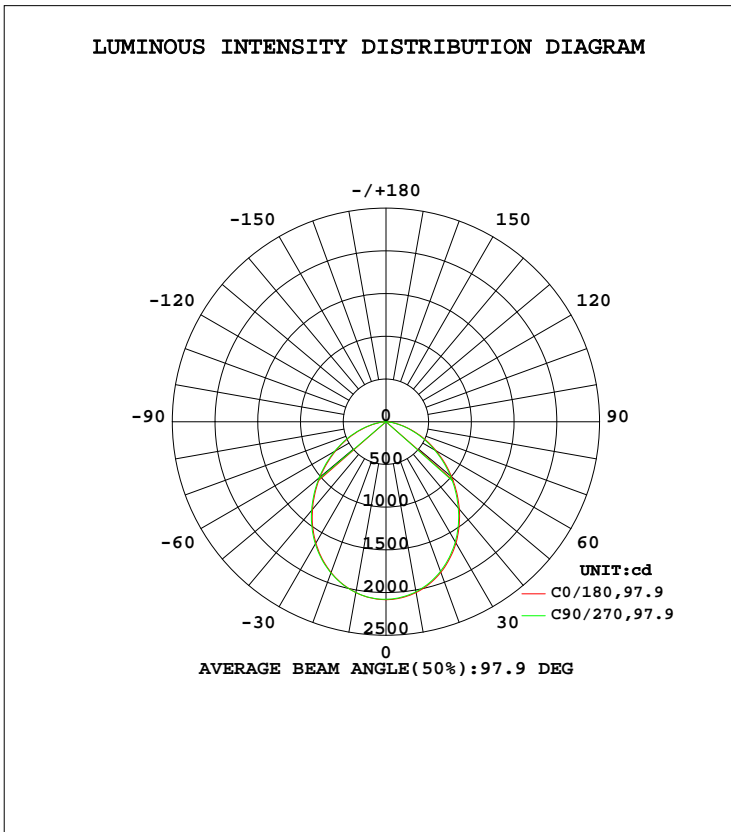


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.53 lm/W			
MODEL	HR-DLA801-40	I _{max} (cd)	2083	S/MH(C0/180)	1.18
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4963.4	η UP, DN(C0-180)	0.0,49.2
NOMINAL FLUX(lm)	4963.39	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.6
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	99.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2030	2024	2020	2020	2031	2031	2030	2027	0- 10	195.9	195.9	3.95,3.95
20	1876	1868	1864	1864	1879	1883	1884	1879	10- 20	552.6	748.5	15.1,15.1
30	1639	1628	1623	1624	1641	1651	1653	1647	20- 30	812.2	1561	31.4,31.4
40	1336	1324	1316	1319	1339	1351	1354	1347	30- 40	932.8	2493	50.2,50.2
50	1004	991.5	983.4	986.1	1007	1019	1023	1016	40- 50	902.7	3396	68.4,68.4
60	675.6	662.9	655.7	659.5	679.5	691.7	696.0	689.9	50- 60	749.2	4145	83.5,83.5
70	369.7	357.6	351.2	354.7	373.8	385.7	390.6	385.3	60- 70	515.0	4660	93.9,93.9
80	117.2	108.2	103.6	106.2	118.3	127.1	131.6	128.2	70- 80	250.6	4911	98.9,98.9
90	0.1266	0.0011	0	0.0006	0.6103	0.6083	0.5424	0.4758	80- 90	43.85	4955	99.8,99.8
100	0	0	0	0	0.8140	0.6824	0.6825	0.7472	90-100	0.3143	4955	99.8,99.8
110	0	0	0	0.0678	1.561	1.360	1.356	1.356	100-110	0.5399	4956	99.8,99.8
120	0	0.2019	0.0678	0.0661	2.239	2.035	1.696	1.966	110-120	0.8176	4957	99.9,99.9
130	1.147	0.4068	1.017	0.4055	2.917	2.102	2.713	2.306	120-130	1.163	4958	99.9,99.9
140	1.423	1.084	1.560	1.153	3.596	1.966	2.984	2.780	130-140	1.460	4959	99.9,99.9
150	2.171	2.168	2.370	2.030	4.004	2.512	3.662	3.730	140-150	1.556	4961	99.9,99.9
160	2.305	2.102	2.374	2.170	4.206	3.526	3.866	4.003	150-160	1.384	4962	100,100
170	3.187	3.524	4.128	3.520	4.274	3.526	3.866	4.543	160-170	0.9204	4963	100,100
180	4.274	4.136	4.476	4.340	4.274	3.526	3.866	4.473	170-180	0.3794	4963	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2957.2 lm

%lum = 59.6%

%lamp = 59.6%

Conical surface Flux(120deg): 4145.4 lm

%lum = 83.5%

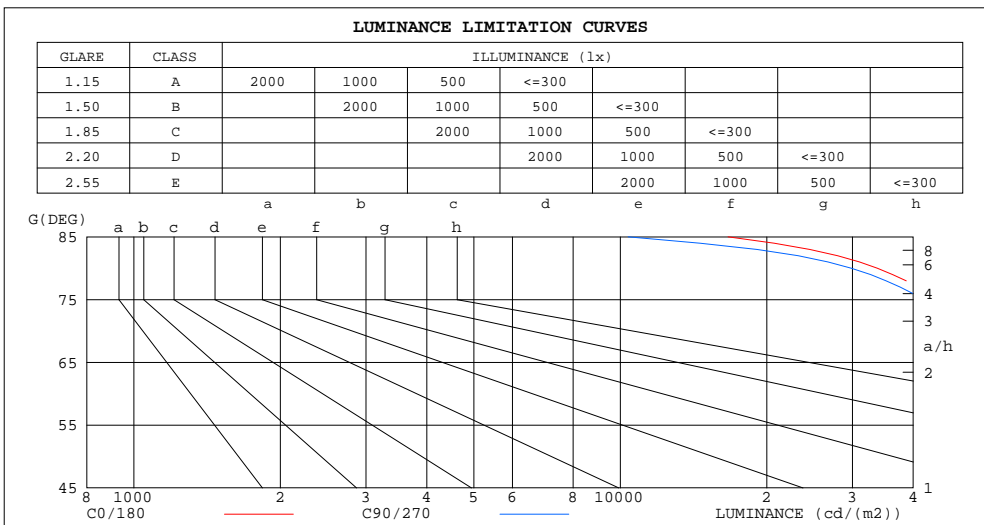
%lamp = 83.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	16658	10377
80	33748	29826
75	45087	41896
70	54048	51341
65	61437	59055
60	67564	65568
55	73096	71237
50	78096	76494
45	82803	81407

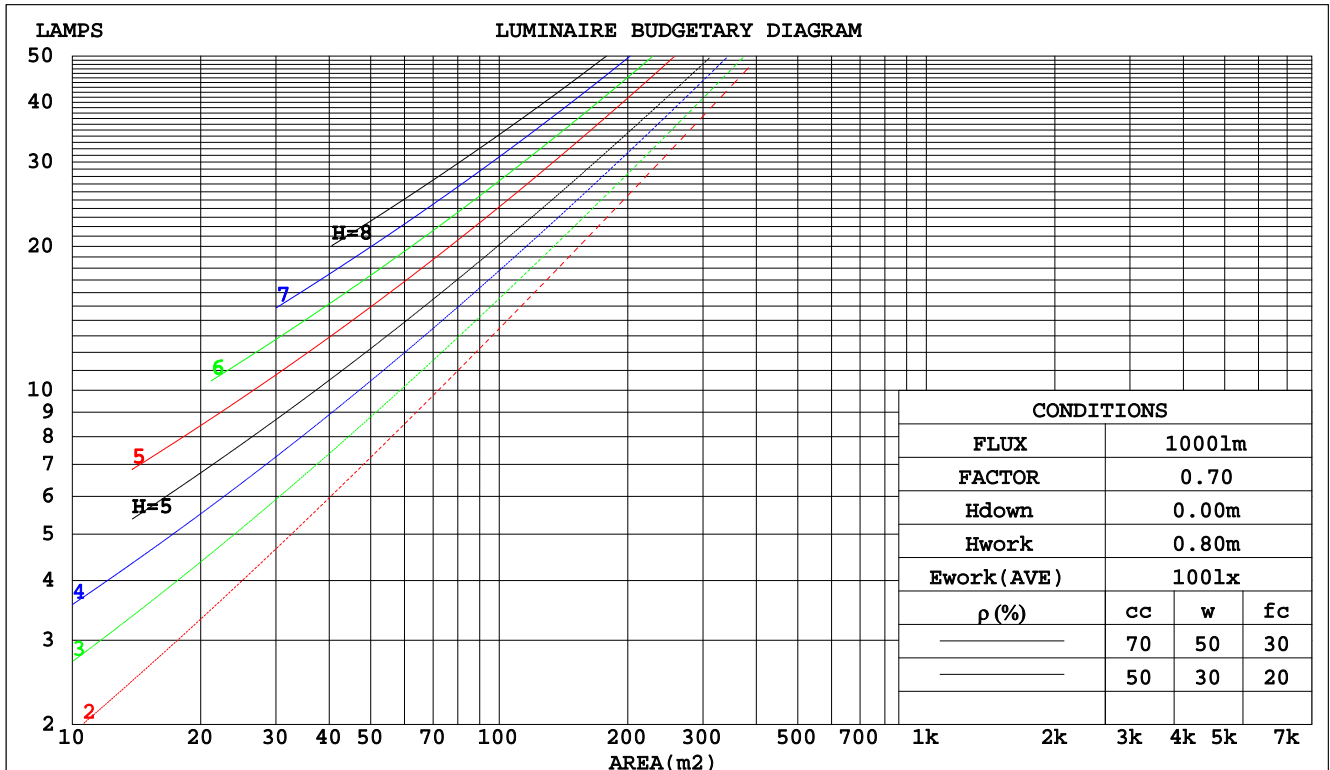
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	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	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.68	.78	.71	.66	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.65	.58	.72	.64	.58	.69	.63	.57	.67	.61	.56	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.56	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.47
6.0	.59	.51	.45	.58	.50	.44	.57	.49	.44	.55	.49	.44	.53	.48	.43	.41
7.0	.54	.46	.40	.53	.45	.39	.52	.44	.39	.50	.44	.39	.49	.43	.39	.37
8.0	.49	.41	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33
9.0	.45	.38	.32	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.30
10.0	.42	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3361]
 Remarks:

WEC AND CCEC

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.281	.160	.051	.274	.156	.050	.261	.150	.048	.249	.144	.046	.238	.138	.044	
2.0	.270	.148	.045	.264	.145	.045	.252	.140	.044	.241	.135	.042	.231	.131	.041	
3.0	.253	.134	.040	.247	.132	.040	.237	.128	.039	.228	.125	.038	.219	.121	.037	
4.0	.235	.122	.036	.230	.121	.036	.221	.117	.035	.213	.114	.034	.205	.111	.034	
5.0	.219	.112	.032	.215	.110	.032	.207	.108	.032	.199	.105	.031	.192	.103	.031	
6.0	.204	.102	.029	.200	.101	.029	.193	.099	.029	.187	.097	.028	.180	.095	.028	
7.0	.191	.094	.027	.188	.093	.027	.181	.092	.026	.175	.090	.026	.169	.088	.026	
8.0	.179	.087	.025	.176	.087	.024	.170	.085	.024	.165	.083	.024	.160	.082	.024	
9.0	.168	.081	.023	.166	.081	.023	.160	.079	.022	.156	.078	.022	.151	.077	.022	
10.0	.159	.076	.021	.156	.075	.021	.152	.074	.021	.147	.073	.021	.143	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.180	.158	.138	.154	.135	.119	.105	.093	.082	.061	.054	.048	.019	.017	.015	
2.0	.171	.133	.102	.146	.115	.088	.100	.079	.062	.058	.046	.036	.019	.015	.012	
3.0	.162	.116	.078	.139	.100	.068	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.062	.133	.088	.054	.091	.061	.038	.053	.036	.022	.017	.012	.007	
5.0	.147	.091	.050	.127	.079	.044	.087	.055	.031	.051	.032	.018	.016	.011	.006	
6.0	.140	.083	.042	.121	.072	.036	.083	.050	.026	.048	.030	.015	.016	.010	.005	
7.0	.134	.076	.036	.115	.066	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.128	.070	.031	.110	.061	.027	.076	.043	.019	.044	.025	.011	.014	.008	.004	
9.0	.122	.065	.027	.105	.057	.024	.073	.040	.017	.042	.024	.010	.014	.008	.003	
10.0	.116	.061	.024	.100	.053	.021	.069	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm										
NAME: LED Down Light					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.:			SERIAL No.:N/A		
MFR.: 海润光电					SUR.:			Shielding Angle:N/A		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	27.5	29.0	27.8	29.2	29.4	27.4	28.8	27.7	29.0	29.2
3H	28.7	30.0	28.9	30.2	30.4	28.5	29.8	28.8	30.1	30.3
4H	29.0	30.3	29.3	30.5	30.8	28.8	30.1	29.2	30.4	30.6
6H	29.2	30.4	29.6	30.7	31.0	29.0	30.2	29.3	30.5	30.7
8H	29.2	30.4	29.6	30.7	31.0	29.0	30.2	29.4	30.4	30.7
12H	29.2	30.3	29.6	30.6	30.9	29.0	30.1	29.3	30.4	30.7
4H 2H	28.0	29.2	28.3	29.5	29.7	27.9	29.2	28.2	29.4	29.7
3H	29.3	30.4	29.6	30.7	31.0	29.1	30.2	29.5	30.5	30.8
4H	29.8	30.8	30.1	31.1	31.4	29.6	30.6	30.0	30.9	31.3
6H	30.0	30.9	30.4	31.3	31.6	29.8	30.7	30.2	31.1	31.4
8H	30.1	30.9	30.5	31.3	31.7	29.9	30.7	30.3	31.1	31.4
12H	30.1	30.8	30.5	31.2	31.6	29.9	30.6	30.3	31.0	31.4
8H 4H	29.9	30.7	30.3	31.1	31.5	29.7	30.6	30.2	30.9	31.3
6H	30.3	30.9	30.7	31.3	31.8	30.1	30.7	30.5	31.2	31.6
8H	30.3	30.9	30.8	31.4	31.8	30.1	30.7	30.6	31.2	31.6
12H	30.4	30.9	30.8	31.3	31.8	30.1	30.6	30.6	31.1	31.6
12H 4H	29.9	30.6	30.3	31.0	31.4	29.7	30.5	30.2	30.9	31.3
6H	30.3	30.9	30.7	31.3	31.7	30.1	30.7	30.5	31.1	31.6
8H	30.4	30.9	30.8	31.3	31.8	30.2	30.7	30.6	31.1	31.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117 Corrected 4963 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.6)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

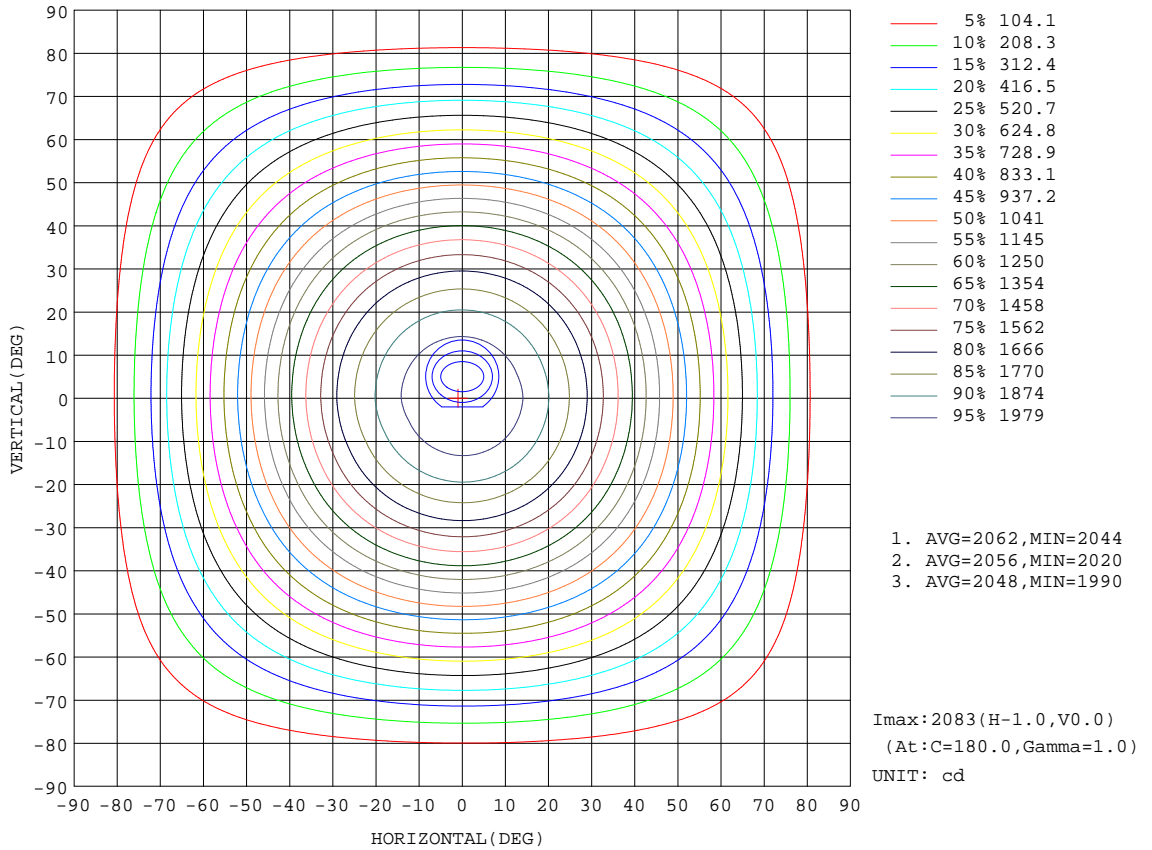
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	43	60	49	43	59	49	43	37
0.80	71	60	53	70	59	53	68	59	52	46
1.00	79	69	62	78	68	62	76	69	61	54
1.25	86	76	70	85	76	69	82	74	68	62
1.50	91	82	75	89	81	75	86	79	74	67
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

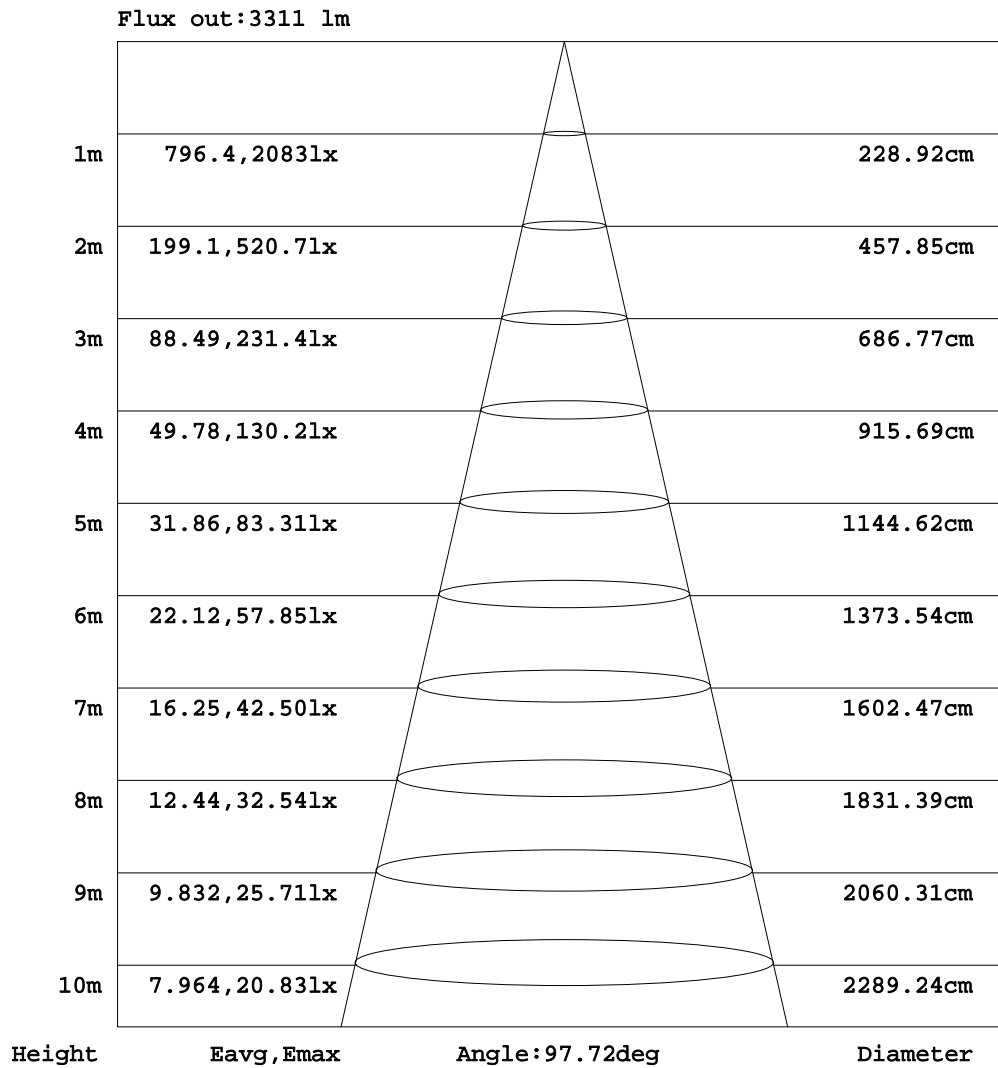


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3361]
 Remarks:

AAI Figure

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A



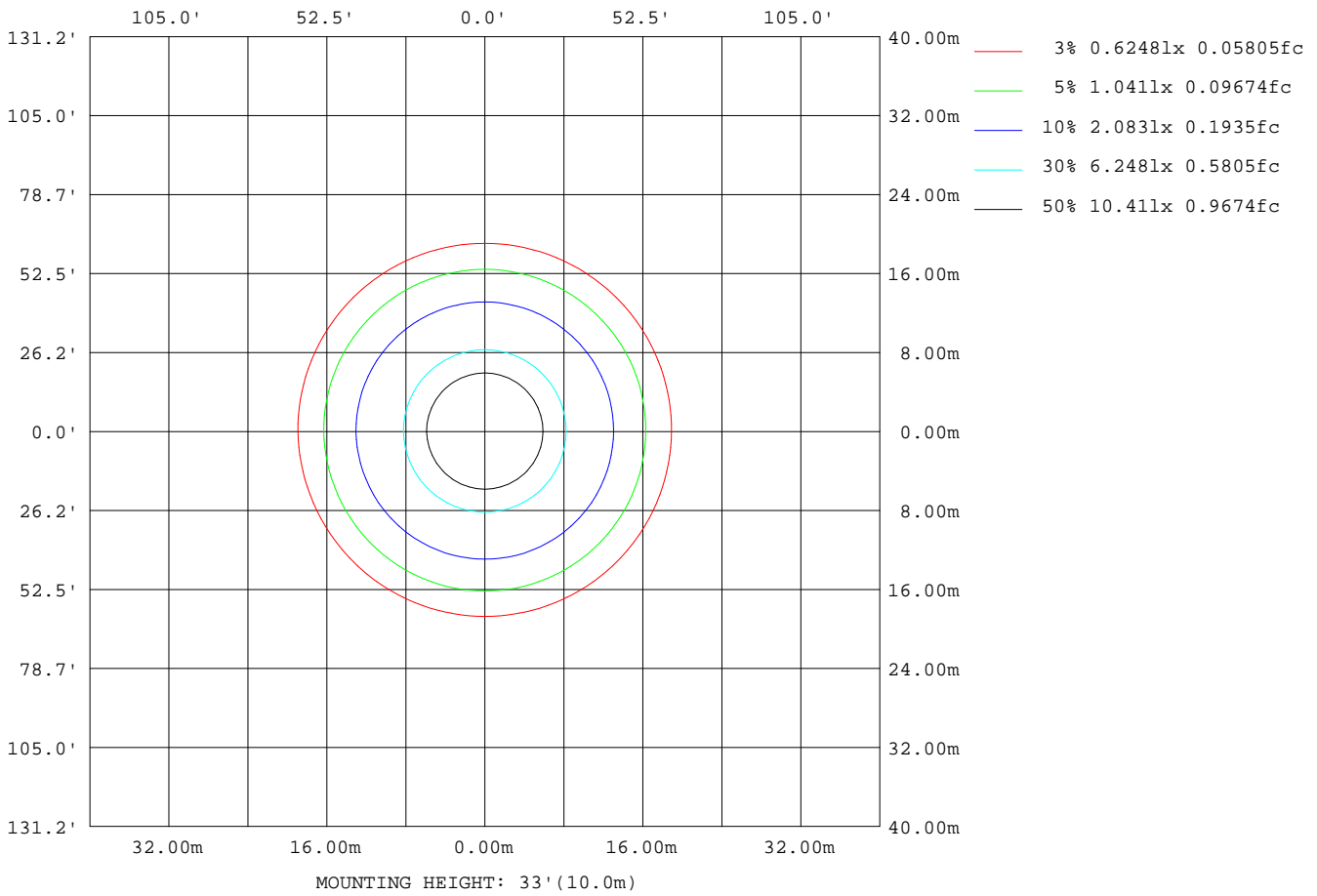
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

ISOLUX DIAGRAM

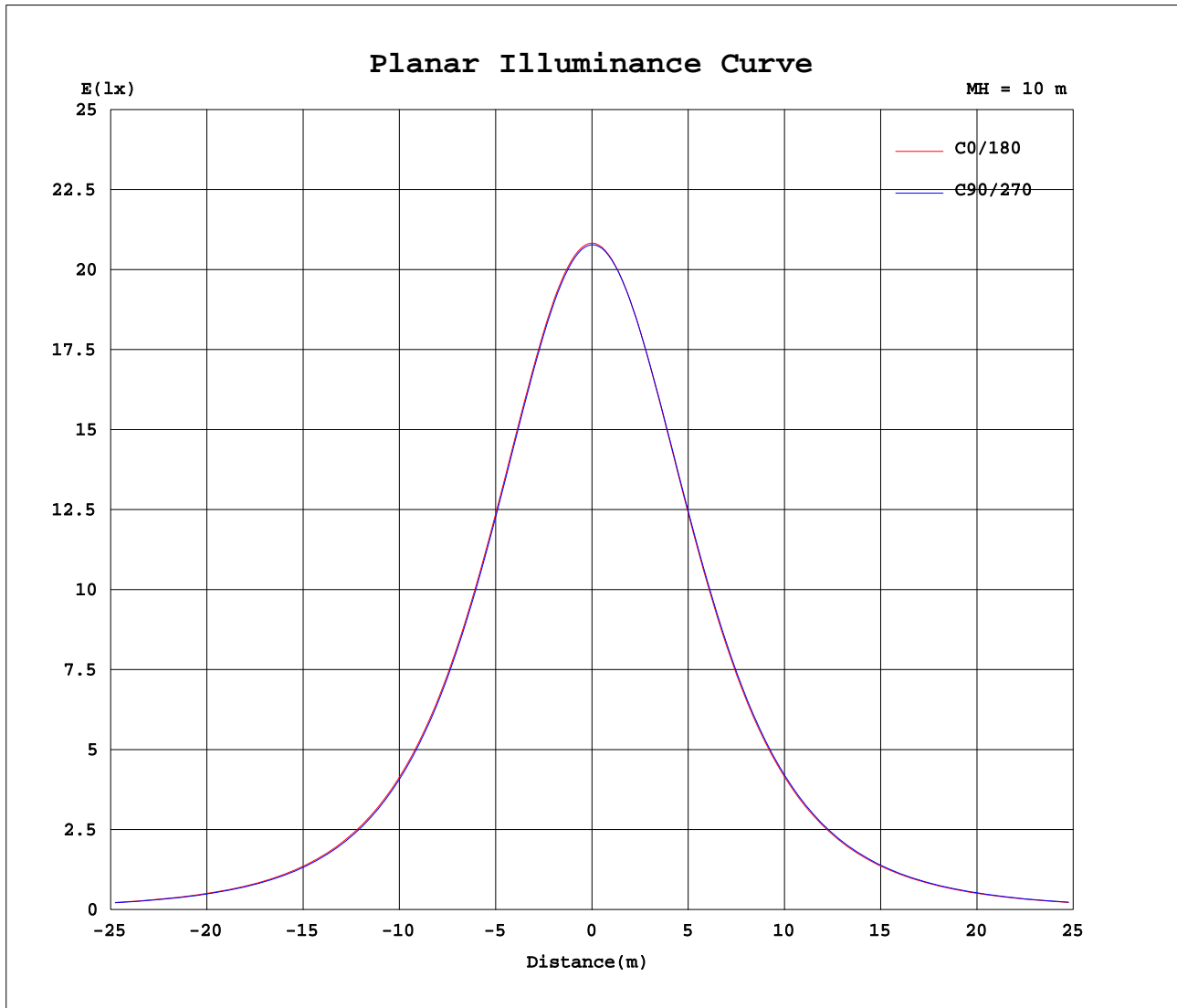
Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Seth
Test Date: 2016-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity: 65.7%
Test Distance: 26.000m [K=1.3361]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.1793A P:38.62W PF:0.9786 Freq:50.00Hz Lamp Flux:4963.39x1 lm		
NAME: LED Down Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	2083	2081	2080	2078	2078	2076	2077	2076	2083	2081	2080	2078	2078	2076	2077	2076			
5	2069	2066	2064	2063	2062	2062	2061	2061	2069	2069	2068	2067	2067	2066	2065	2063			
10	2030	2026	2024	2021	2020	2019	2020	2021	2031	2030	2031	2030	2030	2029	2027	2024			
15	1965	1960	1958	1955	1954	1953	1954	1956	1967	1967	1969	1969	1969	1967	1964	1962			
20	1876	1871	1868	1865	1864	1863	1864	1867	1879	1881	1883	1884	1884	1882	1879	1875			
25	1766	1761	1757	1754	1752	1752	1753	1756	1769	1773	1776	1778	1778	1776	1772	1768			
30	1639	1632	1628	1623	1623	1622	1624	1628	1641	1646	1651	1653	1653	1651	1647	1642			
35	1493	1487	1483	1478	1476	1475	1477	1482	1497	1503	1508	1511	1512	1508	1504	1499			
40	1336	1329	1324	1319	1316	1316	1319	1324	1339	1346	1351	1354	1354	1352	1347	1341			
45	1171	1164	1159	1154	1151	1151	1154	1159	1174	1181	1187	1190	1190	1188	1183	1177			
50	1004	997	992	986	983	983	986	992	1007	1014	1019	1023	1023	1021	1016	1010			
55	839	831	824	820	817	817	821	826	841	848	854	857	858	856	851	846			
60	676	669	663	658	656	656	659	665	680	687	692	695	696	694	690	684			
65	519	513	507	501	499	499	503	509	523	530	535	538	539	538	533	528			
70	370	363	358	353	351	351	355	360	374	380	386	389	391	389	385	380			
75	233	227	223	219	217	218	220	225	236	242	247	251	252	251	248	243			
80	117	112	108	105	104	104	106	110	118	123	127	130	132	131	128	124			
85	29.0	26.2	23.4	20.0	18.1	18.8	21.3	24.0	30.1	33.6	36.0	36.2	36.0	36.7	36.7	34.6			
90	0.13	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.54	0.61	0.54	0.54	0.54	0.48	0.87			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.61	0.54	0.61	0.47	0.54	0.61	0.54			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.81	0.68	0.75	0.68	0.68	0.75	0.81			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	1.08	1.08	0.82	0.95	0.88	0.95	1.09			
110	0.00	0.00	0.00	0.07	0.00	0.00	0.07	0.00	1.56	1.49	1.36	1.15	1.36	1.36	1.36	1.36			
115	0.00	0.14	0.07	0.07	0.00	0.00	0.00	0.07	1.97	1.90	1.63	1.08	1.56	1.36	1.56	1.76			
120	0.00	0.14	0.20	0.07	0.07	0.13	0.07	0.07	2.24	1.97	2.03	1.22	1.70	1.50	1.97	1.97			
125	0.34	0.34	0.34	0.41	0.54	0.47	0.14	0.27	2.37	2.31	2.10	2.18	2.38	2.24	2.10	2.10			
130	1.15	0.54	0.41	1.02	1.02	1.08	0.41	0.47	2.92	2.65	2.10	2.64	2.71	2.72	2.31	2.37			
135	1.15	1.08	0.61	1.22	1.15	1.08	1.08	0.88	3.26	2.85	1.97	2.92	2.92	2.78	2.51	2.51			
140	1.42	1.35	1.08	1.76	1.56	1.49	1.15	1.36	3.60	3.19	1.97	3.12	2.98	2.78	2.78	2.71			
145	1.96	1.96	1.42	2.17	1.90	1.97	1.36	1.56	3.73	3.53	2.04	3.60	3.19	3.12	2.92	3.05			
150	2.17	2.24	2.17	2.30	2.37	2.31	2.03	1.83	4.00	3.86	2.51	4.00	3.66	3.73	3.73	3.46			
155	2.17	2.24	2.10	2.31	2.44	2.31	2.17	2.03	4.14	3.86	3.26	4.00	3.66	3.73	3.93	3.66			
160	2.30	2.31	2.10	2.31	2.37	2.31	2.17	2.17	4.21	3.93	3.53	4.14	3.87	3.86	4.00	3.80			
165	2.37	2.31	2.24	2.31	2.44	2.31	2.37	2.24	4.21	4.13	3.53	4.20	3.87	3.80	4.14	3.93			
170	3.19	2.78	3.52	3.72	4.13	3.66	3.52	3.18	4.27	4.27	3.53	4.14	3.87	4.00	4.54	4.14			
175	4.06	3.38	4.07	3.86	4.54	4.20	4.34	3.66	4.34	4.34	3.53	4.27	3.87	4.48	4.54	4.27			
180	4.27	3.46	4.14	3.86	4.48	4.48	4.34	3.73	4.27	4.27	3.53	4.20	3.87	4.48	4.47	4.34			

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