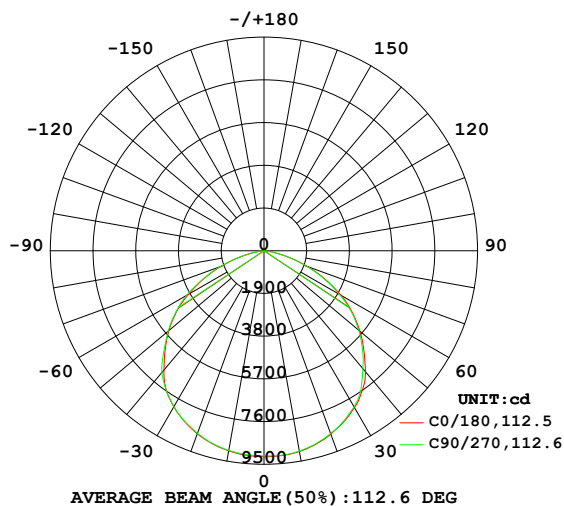


LUMINAIRE PHOTOMETRIC TEST REPORT

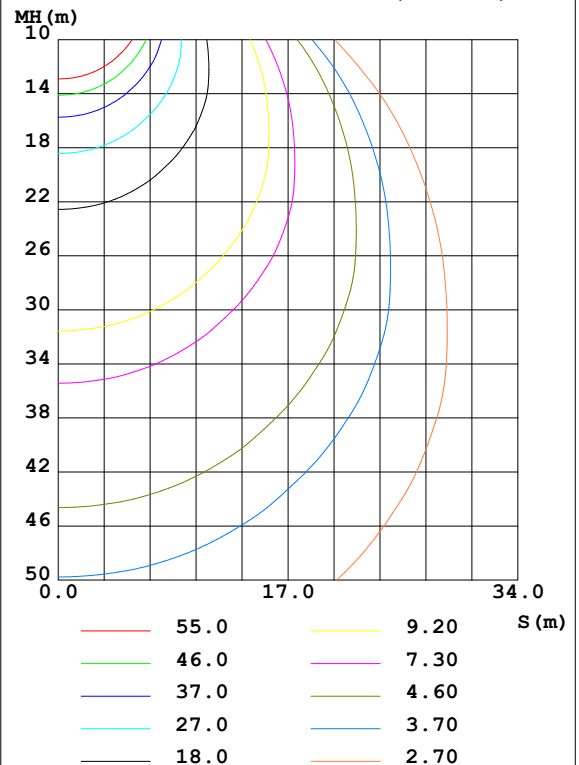
Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.99 lm/W			
MODEL	YWHBGL-200	I _{max} (cd)	9163	S/MH (C0/180)	1.30
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	220-240	TOTAL FLUX (lm)	25372	η UP,DN (C0-180)	0.1,49.7
NOMINAL FLUX (lm)	25371.6	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,50.1
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-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	9065	9047	9042	9010	9033	9020	9021	9009	0- 10	866.9	866.9	3.42, 3.42
20	8679	8671	8653	8624	8668	8637	8645	8628	10- 20	2505	3371	13.3, 13.3
30	8051	8015	8013	7982	8018	8003	8015	8007	20- 30	3854	7225	28.5, 28.5
40	7022	6908	6843	6826	6921	7000	7063	7032	30- 40	4715	11941	47.1, 47.1
50	5572	5529	5506	5467	5521	5545	5566	5570	40- 50	4815	16755	66, 66
60	3954	3893	3848	3832	3887	3928	3975	3961	50- 60	4252	21008	82.8, 82.8
70	2070	2036	2010	1987	2023	2045	2085	2086	60- 70	2939	23947	94.4, 94.4
80	439.9	431.9	417.9	409.5	435.3	444.1	454.2	465.8	70- 80	1243	25190	99.3, 99.3
90	0.9499	0.9505	0.8188	0.8834	4.000	3.934	3.939	3.870	80- 90	124.0	25314	99.8, 99.8
100	1.084	1.017	1.018	1.085	6.105	5.975	5.914	5.846	90-100	2.935	25317	99.8, 99.8
110	3.254	3.186	3.254	3.122	10.59	10.18	9.989	10.05	100-110	5.284	25322	99.8, 99.8
120	5.355	5.424	5.568	5.292	14.10	12.48	12.29	13.10	110-120	7.752	25330	99.8, 99.8
130	9.082	7.314	9.643	7.524	16.75	13.09	17.18	14.26	120-130	9.461	25340	99.9, 99.9
140	10.71	9.691	11.95	9.704	18.31	13.70	15.82	15.07	130-140	9.751	25349	99.9, 99.9
150	12.20	14.03	14.06	12.75	18.85	15.60	18.41	18.48	140-150	8.841	25358	99.9, 99.9
160	13.08	13.02	12.90	13.24	19.39	15.39	17.61	17.78	150-160	7.144	25365	100, 100
170	16.74	18.55	20.20	17.91	19.26	15.53	16.85	20.36	160-170	4.497	25370	100, 100
180	21.02	21.69	21.94	20.90	20.68	17.36	18.81	20.83	170-180	1.828	25372	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14380 lm

%lum = 56.7%

%lamp = 56.7%

Conical surface Flux(120deg): 21008 lm

%lum = 82.8%

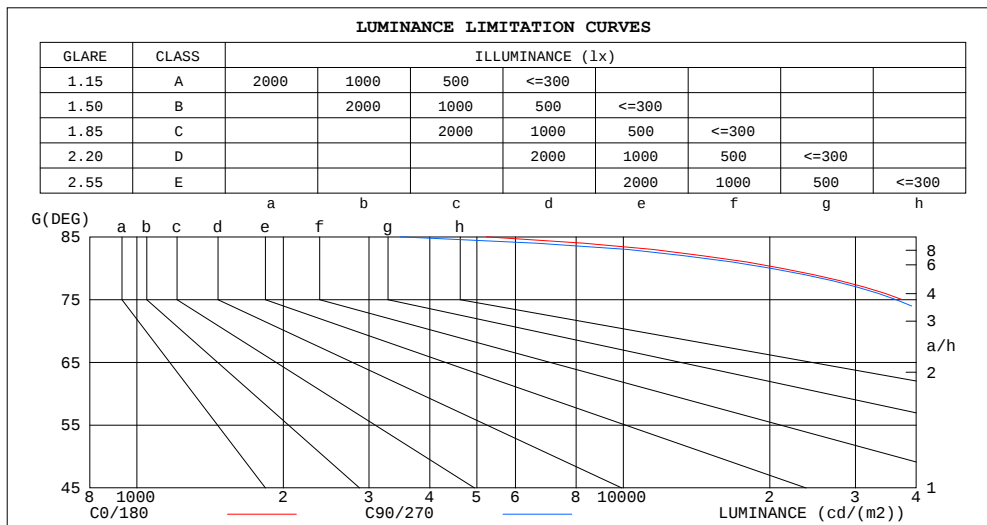
%lamp = 82.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3361]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A



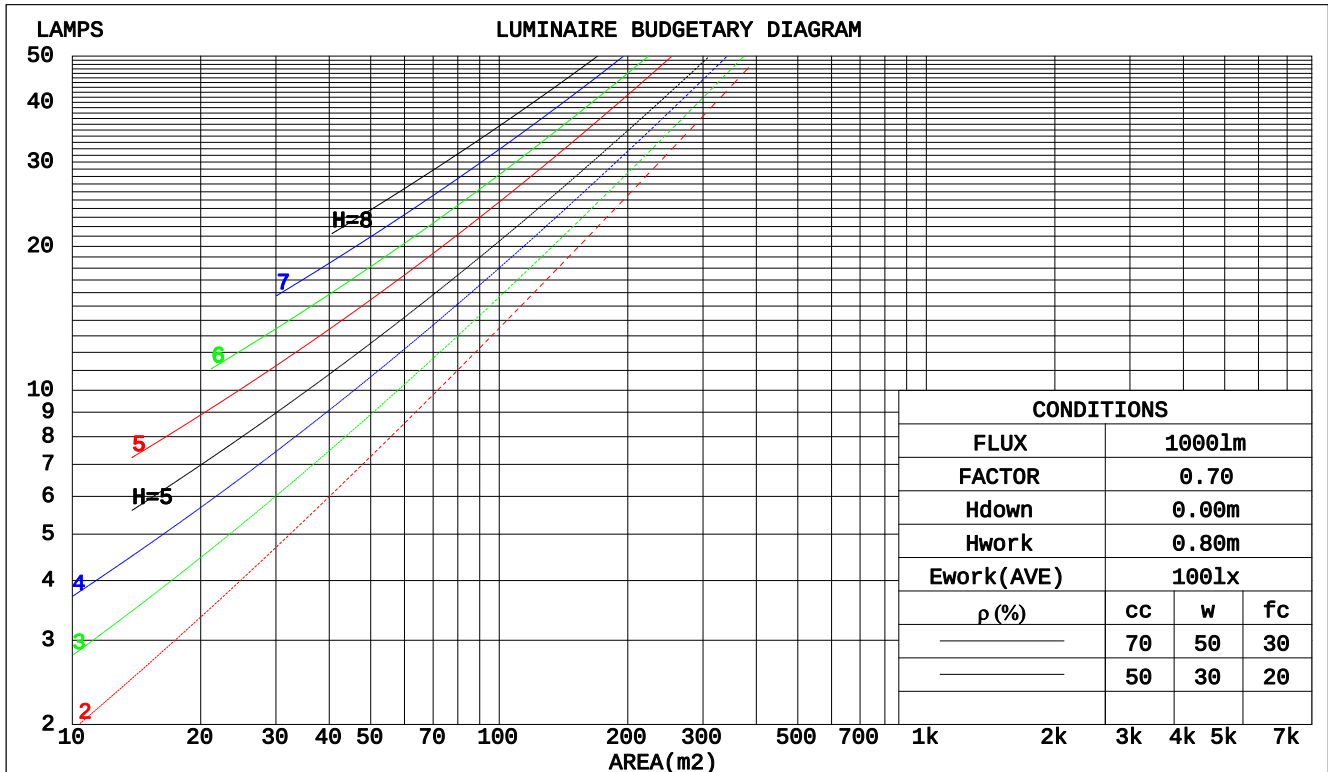
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Seth
Test Date: 2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-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:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\varnothing 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.283	.161	.051	.276	.158	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045	
2.0	.274	.150	.046	.268	.148	.046	.256	.143	.044	.246	.138	.043	.236	.133	.042	
3.0	.258	.137	.041	.252	.135	.041	.242	.131	.040	.233	.127	.039	.224	.124	.038	
4.0	.240	.125	.037	.236	.123	.036	.226	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.211	.110	.032	.204	.108	.032	.197	.105	.032	
6.0	.209	.105	.030	.205	.103	.030	.198	.101	.029	.191	.099	.029	.184	.097	.029	
7.0	.195	.096	.027	.192	.095	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.077	.022	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	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	.136	.119	.105	.093	.082	.061	.054	.048	.019	.017	.015		
2.0	.172	.134	.102	.147	.115	.088	.101	.080	.061	.058	.046	.036	.019	.015	.012		
3.0	.164	.116	.078	.141	.100	.067	.096	.070	.047	.056	.041	.028	.018	.013	.009		
4.0	.156	.103	.061	.134	.089	.053	.092	.062	.038	.053	.036	.022	.017	.012	.007		
5.0	.149	.092	.050	.128	.080	.043	.088	.056	.031	.051	.033	.018	.016	.011	.006		
6.0	.142	.084	.042	.122	.072	.036	.084	.051	.026	.049	.030	.015	.016	.010	.005		
7.0	.136	.077	.036	.117	.067	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004		
8.0	.129	.071	.031	.111	.062	.027	.077	.043	.019	.045	.026	.011	.015	.008	.004		
9.0	.124	.066	.027	.106	.057	.024	.074	.040	.017	.043	.024	.010	.014	.008	.003		
10.0	.118	.062	.024	.102	.054	.021	.071	.038	.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:2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm											
NAME: LED High Bay Light					TYPE:			WEIGHT:N/A			
SPEC.:N/A					DIM.: $\varnothing 400\times 208$			SERIAL No.:N/A			
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD					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	27.7	29.1	27.9	29.3	29.5	27.6	29.1	27.9	29.3	29.5	
	3H	28.8	30.2	29.1	30.4	30.7	28.7	30.1	29.0	30.3	
	4H	29.1	30.4	29.4	30.7	30.9	29.0	30.3	29.3	30.6	
	6H	29.2	30.4	29.5	30.7	31.0	29.1	30.3	29.4	30.6	
	8H	29.2	30.3	29.5	30.6	30.9	29.1	30.2	29.4	30.5	
	12H	29.1	30.2	29.5	30.5	30.8	29.0	30.1	29.4	30.4	
	4H	2H	28.2	29.5	28.5	29.7	30.0	28.1	29.4	28.4	
	3H	29.5	30.6	29.8	30.9	31.2	29.4	30.5	29.7	30.8	
	4H	29.8	30.9	30.2	31.2	31.5	29.8	30.8	30.1	31.1	
	6H	30.0	30.9	30.4	31.2	31.6	29.9	30.8	30.3	31.1	
	8H	30.0	30.8	30.4	31.2	31.5	29.9	30.7	30.3	31.1	
	12H	29.9	30.7	30.3	31.1	31.5	29.8	30.6	30.3	31.0	
8H	4H	29.9	30.8	30.3	31.1	31.5	29.9	30.7	30.3	31.1	
	6H	30.1	30.8	30.5	31.2	31.6	30.0	30.7	30.5	31.1	
	8H	30.1	30.7	30.6	31.1	31.6	30.0	30.6	30.5	31.1	
	12H	30.1	30.6	30.6	31.1	31.5	30.0	30.5	30.5	31.0	
12H	4H	29.9	30.7	30.3	31.0	31.5	29.8	30.6	30.2	31.0	
	6H	30.1	30.7	30.5	31.1	31.6	30.0	30.6	30.5	31.0	
	8H	30.1	30.6	30.6	31.1	31.5	30.0	30.5	30.5	31.0	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					

CIE Pub.117 Corrected 25372 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.2)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

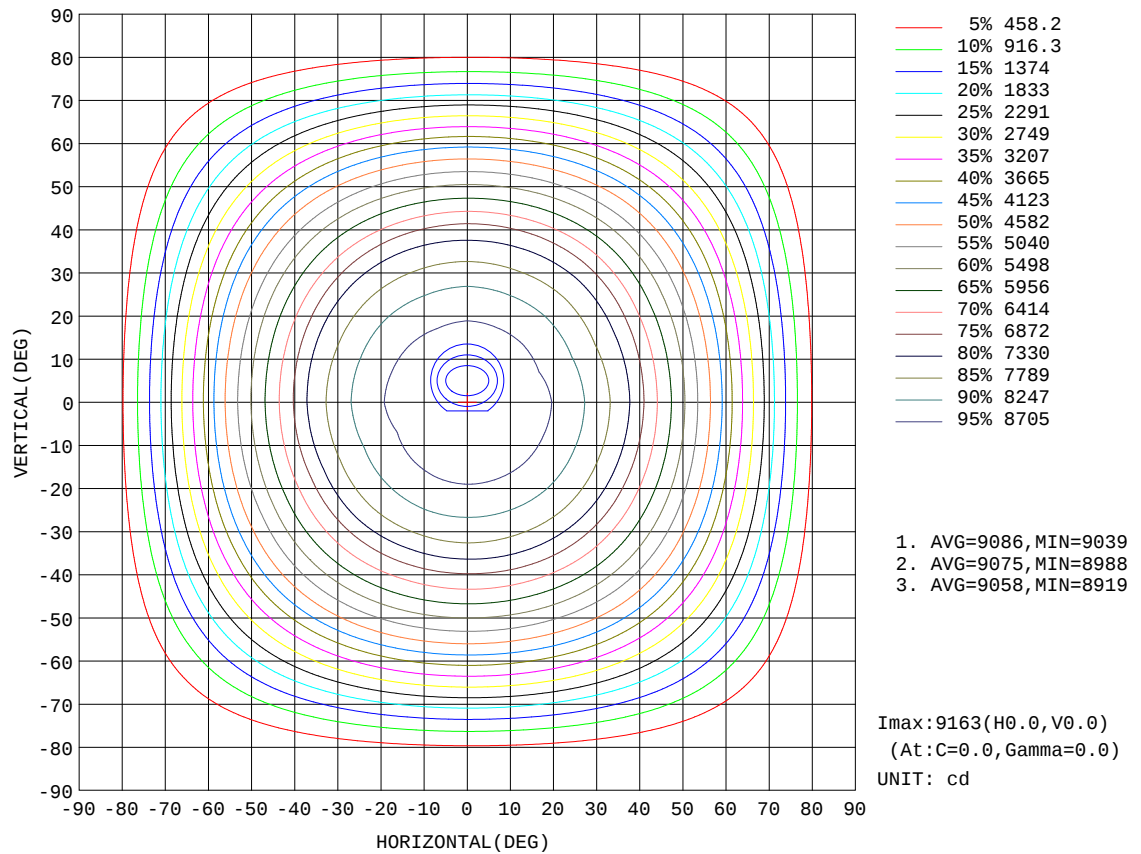
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	40	58	47	40	57	46	40	34
0.80	69	58	50	68	57	50	66	56	50	43
1.00	78	67	60	76	66	60	74	68	59	52
1.25	85	75	68	83	74	68	81	73	67	60
1.50	90	80	74	88	79	73	85	78	72	65
2.00	97	89	82	95	87	82	91	85	80	73
2.50	100	93	87	98	92	86	95	89	85	77
3.00	104	97	92	101	96	91	97	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	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:2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A



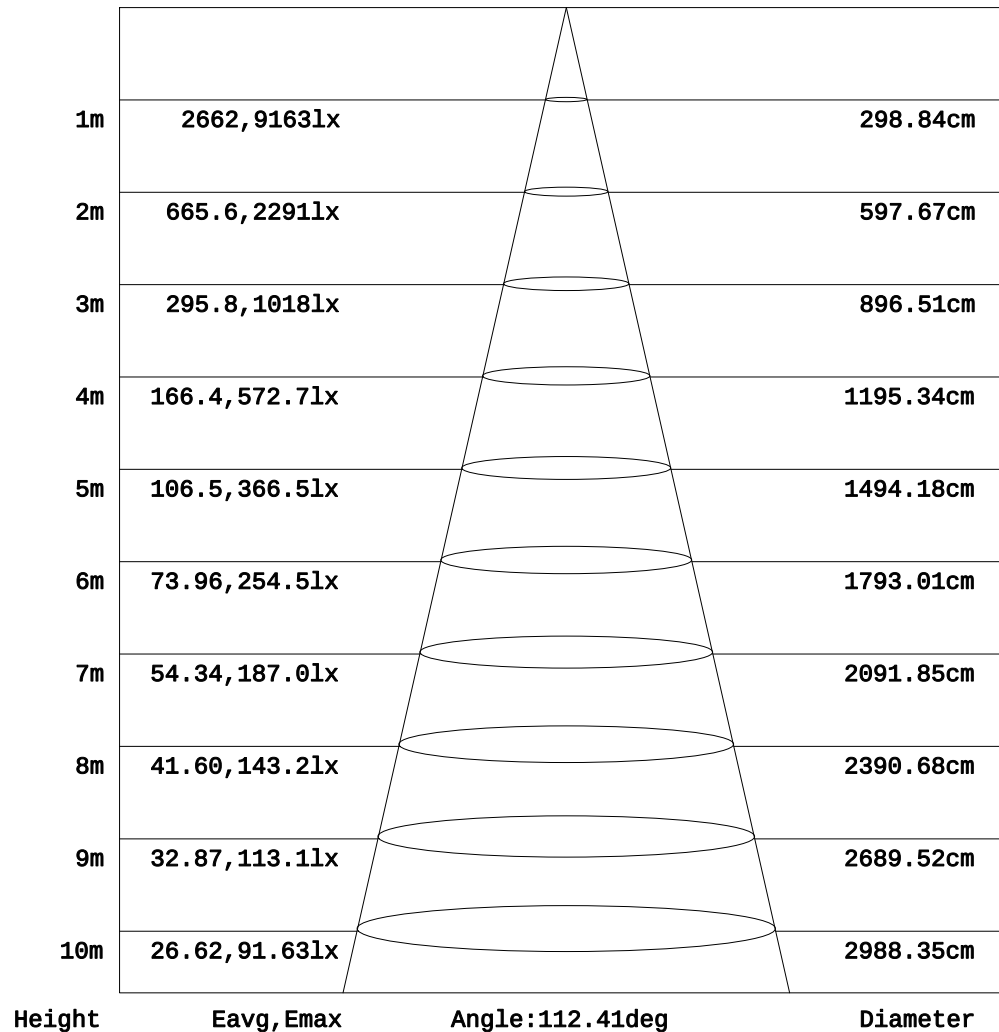
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.3361]
Remarks:

AAI Figure

Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

Flux out:19833 lm



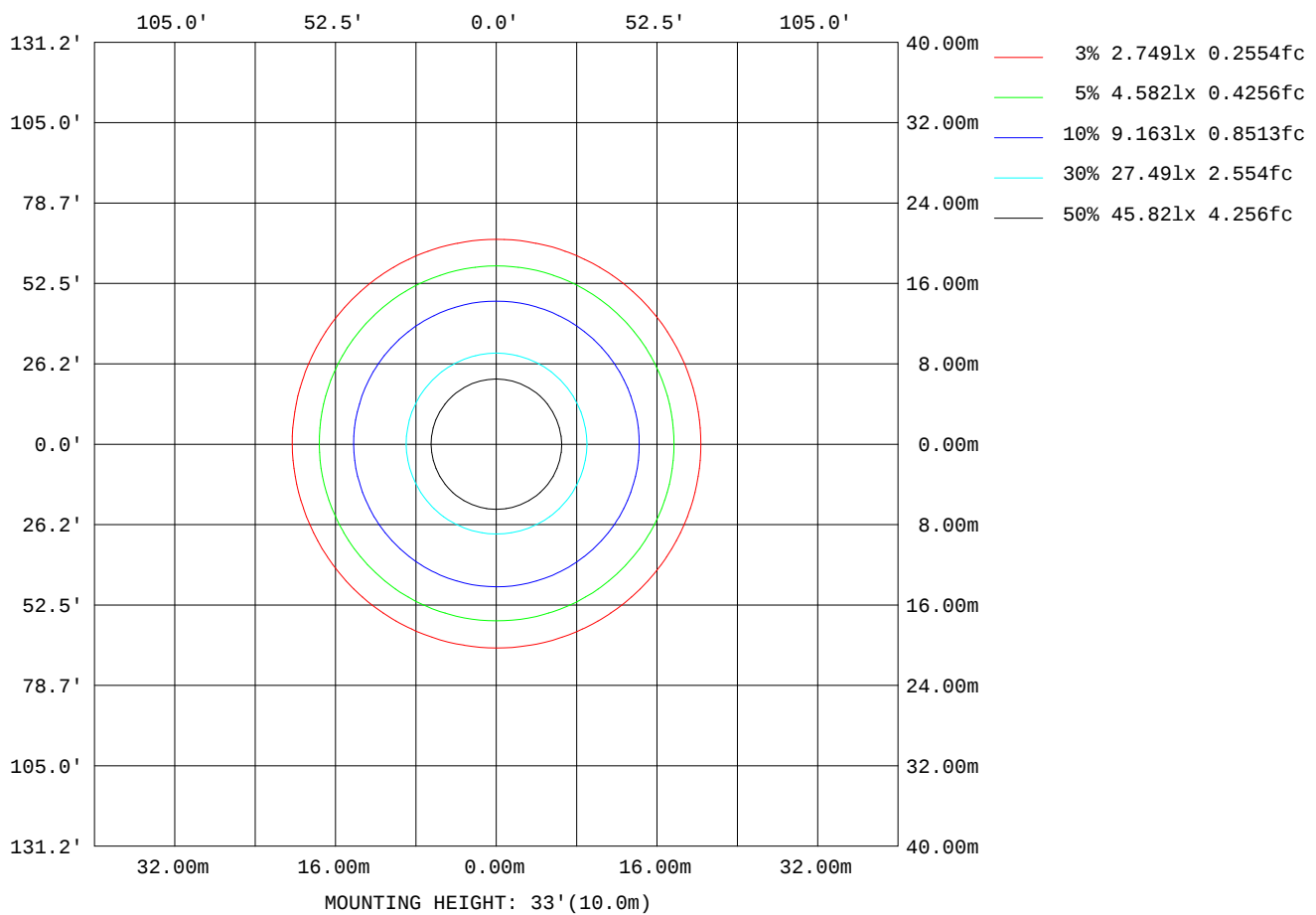
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3361]
 Remarks:

ISOLUX DIAGRAM

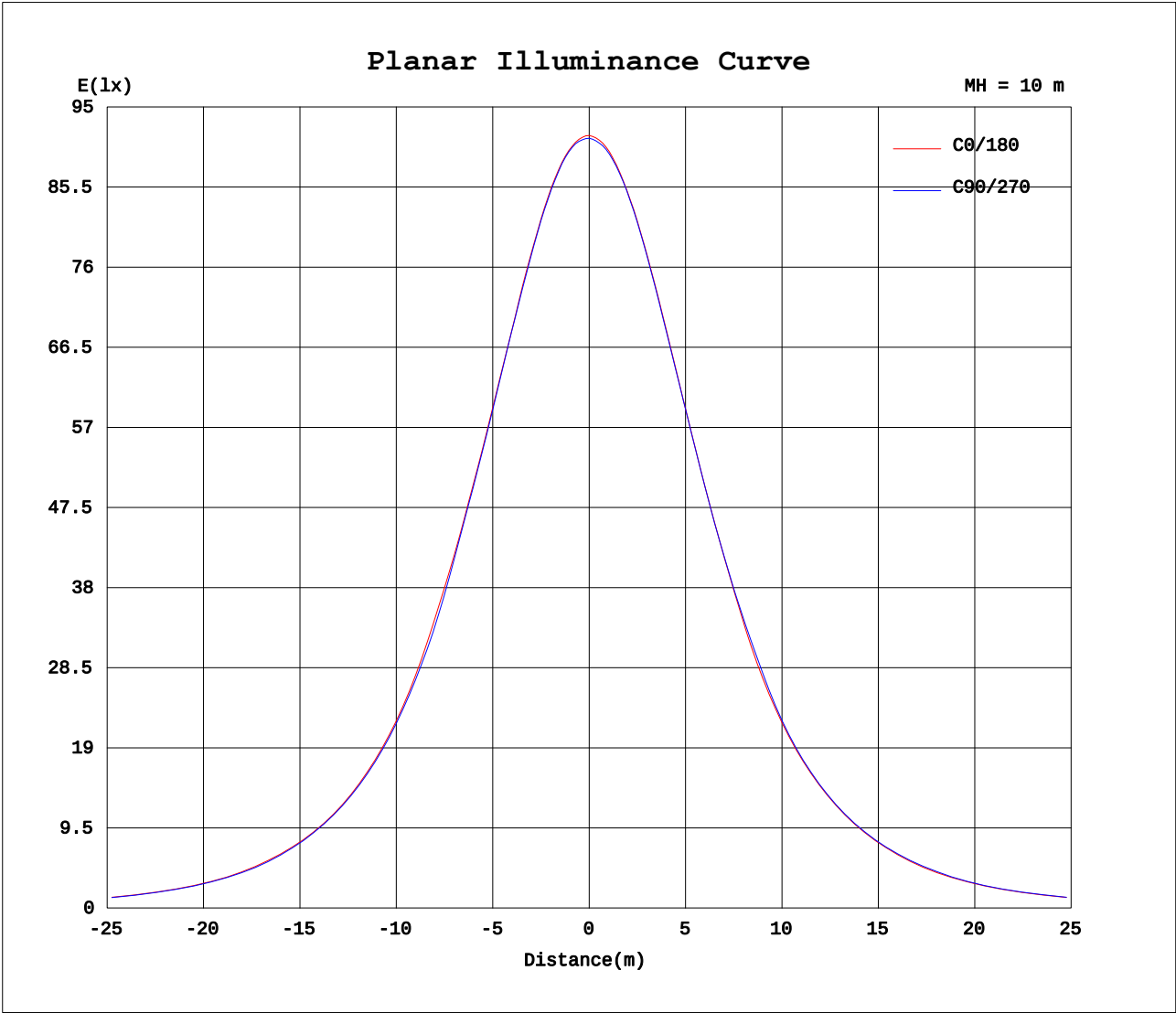
Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-10-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-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:2016-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.3361]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.9581A P:204.6W PF:0.9709 Freq:50.01Hz Lamp Flux:25371.6x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 400 \times 208$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	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	9163	9150	9145	9134	9129	9117	9112	9104	9163	9150	9145	9134	9129	9117	9112	9104			
5	9140	9140	9132	9133	9126	9100	9091	9082	9128	9118	9105	9099	9101	9089	9088	9082			
10	9065	9049	9047	9040	9042	9030	9010	8980	9033	9035	9020	9010	9021	9000	9009	8985			
15	8908	8894	8889	8882	8888	8872	8857	8801	8887	8872	8863	8858	8873	8848	8859	8831			
20	8679	8666	8671	8658	8653	8646	8624	8599	8668	8641	8637	8625	8645	8632	8628	8609			
25	8395	8386	8393	8376	8366	8356	8340	8313	8377	8357	8360	8348	8363	8349	8352	8330			
30	8051	8027	8015	8010	8013	7995	7982	7961	8018	8004	8003	7992	8015	7989	8007	7984			
35	7606	7587	7571	7545	7521	7505	7511	7493	7571	7561	7571	7580	7587	7574	7576	7546			
40	7022	6946	6908	6871	6843	6827	6826	6826	6921	6950	7000	7037	7063	7053	7032	6999			
45	6281	6241	6228	6213	6196	6169	6169	6145	6219	6224	6251	6272	6296	6298	6292	6248			
50	5572	5546	5529	5511	5506	5487	5467	5445	5521	5532	5545	5550	5566	5570	5570	5538			
55	4798	4788	4778	4753	4746	4727	4713	4700	4763	4771	4785	4792	4804	4801	4811	4794			
60	3954	3924	3893	3869	3848	3839	3832	3827	3887	3907	3928	3949	3975	3977	3961	3945			
65	2993	2984	2969	2953	2943	2926	2910	2905	2960	2966	2983	2999	3005	3012	3010	3001			
70	2070	2044	2036	2016	2010	1993	1987	1980	2023	2029	2045	2062	2085	2090	2086	2078			
75	1162	1149	1144	1136	1128	1108	1111	1099	1140	1154	1159	1172	1181	1189	1193	1186			
80	440	434	432	427	418	415	410	408	435	439	444	448	454	461	466	463			
85	54.7	53.6	51.2	43.6	36.4	37.6	43.1	45.5	55.8	57.3	57.6	53.8	51.9	56.3	62.7	64.2			
90	0.95	0.95	0.95	0.89	0.82	0.82	0.88	0.82	4.00	3.93	3.93	3.93	3.94	3.94	3.87	3.93			
95	0.75	0.75	0.75	0.75	0.68	0.68	0.75	0.68	4.54	4.55	4.48	4.48	4.35	4.41	4.35	4.41			
100	1.08	1.02	1.02	1.02	1.02	1.02	1.08	1.01	6.11	5.97	5.97	5.91	5.91	5.85	5.85	5.90			
105	2.10	2.10	2.10	2.03	2.10	2.17	2.10	2.10	8.27	8.20	8.08	7.27	7.47	7.34	8.08	8.07			
110	3.25	3.38	3.19	3.12	3.25	2.98	3.12	3.38	10.6	10.4	10.2	9.90	9.99	9.85	10.0	10.5			
115	4.34	4.40	4.13	4.20	4.54	3.80	4.27	4.40	13.2	12.6	11.3	9.69	11.1	10.4	11.0	12.7			
120	5.36	5.62	5.42	5.42	5.57	5.35	5.29	5.35	14.1	13.6	12.5	9.02	12.3	10.1	13.1	13.3			
125	6.57	7.17	6.51	7.12	8.55	7.52	5.70	6.76	14.3	14.9	12.5	14.9	16.0	14.6	13.2	14.4			
130	9.08	8.33	7.31	8.80	9.64	8.75	7.52	7.52	16.8	15.9	13.1	15.1	17.2	16.2	14.3	16.0			
135	9.08	8.80	9.08	10.6	10.9	9.97	8.96	7.98	17.5	15.9	13.7	15.2	16.2	16.0	15.0	16.1			
140	10.7	10.7	9.69	11.4	12.0	10.9	9.70	11.0	18.3	16.8	13.7	15.7	15.8	15.1	15.1	16.3			
145	12.0	11.6	11.9	12.3	12.4	11.3	10.1	11.0	18.4	17.0	14.1	16.4	15.8	17.1	15.2	16.3			
150	12.2	12.0	14.0	13.2	14.1	12.4	12.7	10.9	18.8	17.8	15.6	18.4	18.4	19.2	18.5	16.5			
155	12.7	12.1	14.3	13.0	13.7	12.8	14.0	10.8	19.3	18.7	16.3	18.4	16.3	19.5	19.7	17.0			
160	13.1	12.9	13.0	12.3	12.9	12.8	13.2	11.9	19.4	18.8	15.4	18.8	17.6	17.3	17.8	17.1			
165	13.0	12.7	12.5	12.5	12.9	12.9	13.0	12.1	19.1	19.0	14.4	19.3	18.3	18.9	18.1	18.1			
170	16.7	14.1	18.5	18.2	20.2	17.1	17.9	15.6	19.3	19.4	15.5	19.7	16.8	19.0	20.4	19.1			
175	20.4	17.2	20.5	18.6	21.9	19.5	20.5	18.0	20.7	20.9	16.7	20.8	18.9	21.8	21.3	20.2			
180	21.0	17.5	21.7	18.8	21.9	21.6	20.9	18.8	20.7	21.0	17.4	21.6	18.8	22.1	20.8	20.6			

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