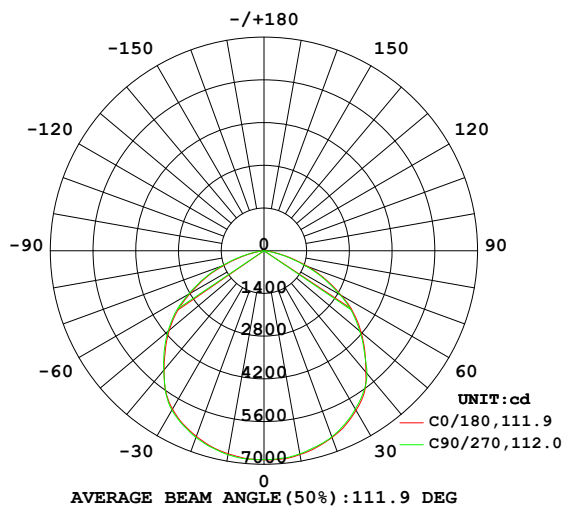


LUMINAIRE PHOTOMETRIC TEST REPORT

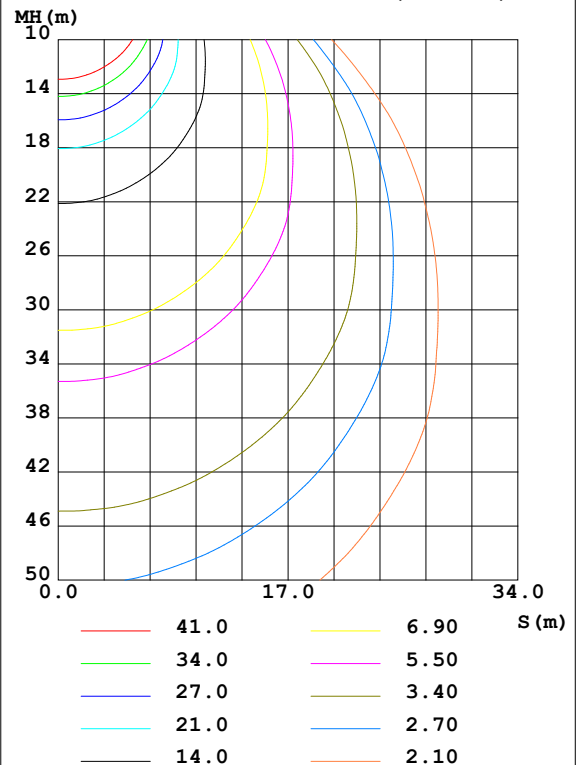
Test:U:220.0V I:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.09 lm/W			
MODEL	YWHBGL-150	I _{max} (cd)	6858	S/MH (C0/180)	1.30
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	220-240	TOTAL FLUX (lm)	18816	η UP,DN (C0-180)	0.1,49.9
NOMINAL FLUX (lm)	18816.1	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,49.9
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	6783	6783	6759	6750	6759	6779	6788	6779	0- 10	650.4	650.4	3.46, 3.46
20	6513	6502	6492	6459	6477	6493	6513	6508	10- 20	1880	2530	13.4, 13.4
30	6035	6027	5987	5973	5997	5997	6032	6027	20- 30	2894	5424	28.8, 28.8
40	5193	5239	5250	5143	5094	5070	5108	5162	30- 40	3524	8948	47.6, 47.6
50	4152	4144	4096	4052	4052	4056	4106	4142	40- 50	3573	12521	66.5, 66.5
60	2924	2913	2877	2795	2792	2800	2863	2914	50- 60	3144	15665	83.3, 83.3
70	1532	1511	1449	1391	1398	1422	1481	1531	60- 70	2142	17807	94.6, 94.6
80	338.8	322.2	277.6	258.3	260.6	282.1	313.8	352.6	70- 80	881.6	18688	99.3, 99.3
90	0.6165	0.6138	0.5474	0.4756	2.711	2.711	2.646	2.644	80- 90	85.34	18774	99.8, 99.8
100	0.4066	0.4744	0.4733	0.4745	4.346	4.210	4.074	4.006	90-100	1.960	18776	99.8, 99.8
110	2.031	2.097	2.170	2.169	7.665	7.320	7.128	7.056	100-110	3.606	18779	99.8, 99.8
120	3.651	3.928	4.191	3.927	10.37	9.691	8.683	9.966	110-120	5.509	18785	99.8, 99.8
130	6.434	4.942	6.987	5.348	12.33	9.284	12.01	10.78	120-130	6.913	18792	99.9, 99.9
140	7.791	6.979	8.747	6.507	13.89	9.422	12.62	10.98	130-140	7.187	18799	99.9, 99.9
150	9.826	10.64	10.72	9.692	14.57	11.66	14.18	13.58	140-150	6.765	18806	99.9, 99.9
160	9.759	10.51	10.11	10.51	15.04	13.01	13.23	13.97	150-160	5.561	18811	100, 100
170	12.59	14.22	15.63	14.20	15.05	12.54	13.50	15.93	160-170	3.523	18815	100, 100
180	15.73	16.20	17.50	16.67	15.59	12.60	14.58	16.13	170-180	1.400	18816	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 10757 lm

%lum = 57.2%

%lamp = 57.2%

Conical surface Flux(120deg): 15665 lm

%lum = 83.3%

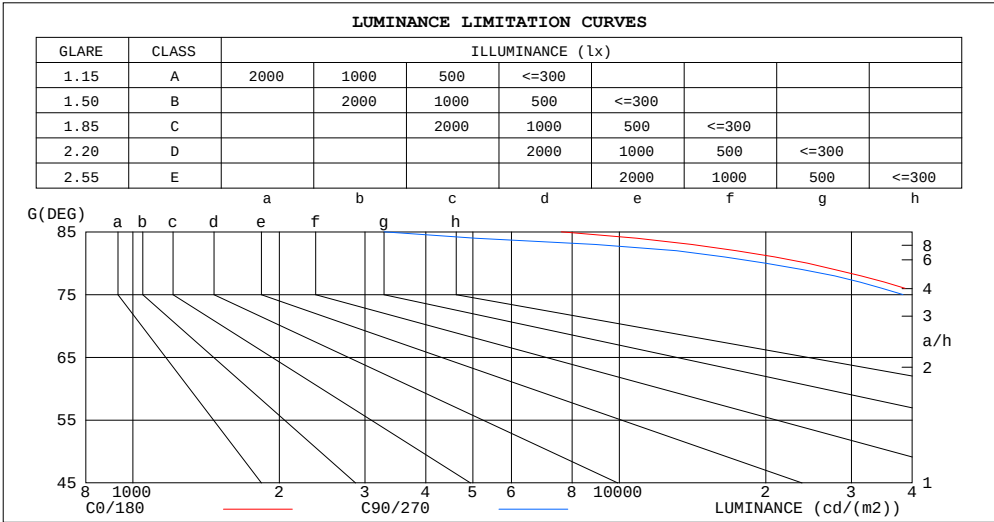
%lamp = 83.3%

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:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\varnothing 320\times 187$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7604	3285
80	24388	19981
75	41975	38285
70	55982	52947
65	65977	64039
60	73096	71913
55	78351	77009
50	80741	79652
45	82646	82161

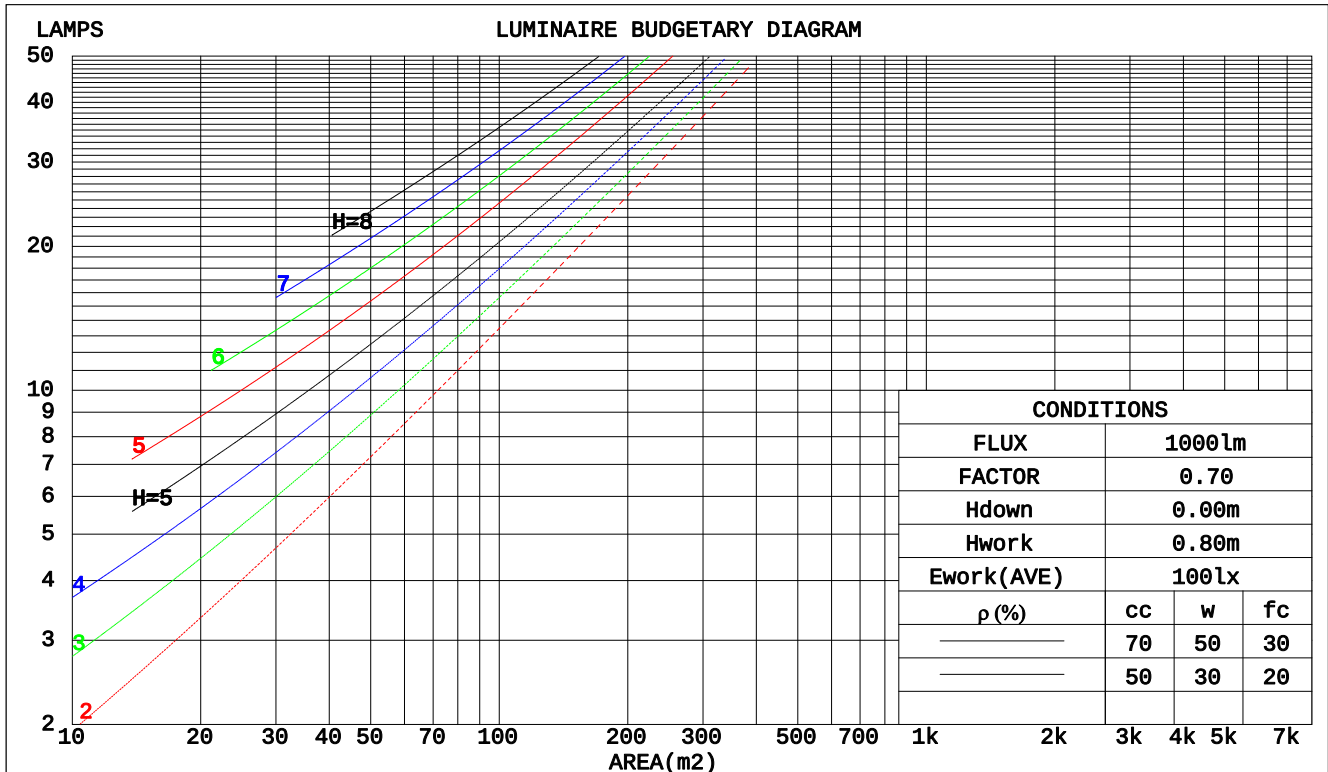
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-10-11

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:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	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	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.81	.90	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.62	.56	.66	.60	.55	.64	.59	.55	.52
5.0	.65	.56	.49	.64	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.31	.27	.26



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:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	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	.281	.160	.051	.274	.156	.050	.261	.150	.048	.249	.143	.046	.238	.138	.044	
2.0	.273	.149	.046	.266	.147	.045	.255	.142	.044	.244	.137	.043	.234	.132	.042	
3.0	.256	.136	.041	.251	.134	.040	.241	.130	.040	.231	.127	.039	.222	.123	.038	
4.0	.239	.124	.037	.234	.123	.036	.225	.119	.036	.217	.116	.035	.209	.113	.035	
5.0	.223	.114	.033	.219	.112	.033	.210	.110	.032	.203	.107	.032	.196	.105	.031	
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.173	.090	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.075	.021	.150	.074	.021	.145	.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	.171	.134	.102	.147	.115	.088	.101	.080	.062	.058	.046	.036	.019	.015	.012	
3.0	.164	.116	.078	.140	.100	.068	.096	.069	.047	.056	.041	.028	.018	.013	.009	
4.0	.156	.103	.062	.134	.089	.053	.092	.062	.038	.053	.036	.022	.017	.012	.007	
5.0	.149	.092	.050	.128	.080	.044	.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	.135	.077	.036	.117	.067	.031	.081	.047	.022	.047	.027	.013	.015	.009	.004	
8.0	.129	.071	.031	.111	.062	.027	.077	.043	.019	.045	.025	.011	.014	.008	.004	
9.0	.123	.066	.027	.106	.057	.024	.074	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.118	.062	.024	.102	.054	.021	.070	.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:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm											
NAME: LED High Bay Light					TYPE:			WEIGHT:N/A			
SPEC.:N/A					DIM.: $\varnothing 320\times 187$			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	28.1	29.6	28.4	29.8	30.0	28.0	29.5	28.3	29.7	29.9	
	3H	29.2	30.6	29.5	30.8	31.1	29.1	30.5	29.4	30.7	30.9
	4H	29.5	30.8	29.9	31.1	31.3	29.4	30.7	29.7	30.9	31.2
	6H	29.6	30.8	29.9	31.1	31.4	29.4	30.6	29.8	30.9	31.2
	8H	29.6	30.8	29.9	31.0	31.3	29.4	30.5	29.7	30.8	31.1
	12H	29.5	30.7	29.9	31.0	31.3	29.3	30.5	29.7	30.7	31.1
4H	2H	28.6	29.9	28.9	30.1	30.4	28.5	29.8	28.9	30.1	30.3
	3H	29.9	31.0	30.2	31.3	31.6	29.8	30.9	30.1	31.2	31.5
	4H	30.3	31.3	30.6	31.6	31.9	30.1	31.1	30.5	31.4	31.8
	6H	30.4	31.3	30.8	31.6	32.0	30.2	31.1	30.6	31.5	31.8
	8H	30.4	31.2	30.8	31.6	32.0	30.2	31.0	30.6	31.4	31.8
	12H	30.3	31.1	30.8	31.5	31.9	30.1	30.9	30.6	31.3	31.7
8H	4H	30.3	31.2	30.8	31.5	31.9	30.2	31.0	30.6	31.4	31.8
	6H	30.5	31.2	31.0	31.6	32.0	30.3	31.0	30.8	31.4	31.9
	8H	30.5	31.1	31.0	31.6	32.0	30.3	30.9	30.8	31.4	31.8
	12H	30.5	31.0	31.0	31.5	32.0	30.3	30.8	30.8	31.3	31.8
12H	4H	30.3	31.1	30.7	31.5	31.9	30.2	30.9	30.6	31.3	31.7
	6H	30.5	31.1	31.0	31.5	32.0	30.3	30.9	30.8	31.4	31.8
	8H	30.5	31.0	31.0	31.5	32.0	30.3	30.8	30.8	31.3	31.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.4					
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					

CIE Pub.117 Corrected 18816 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.2)

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:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

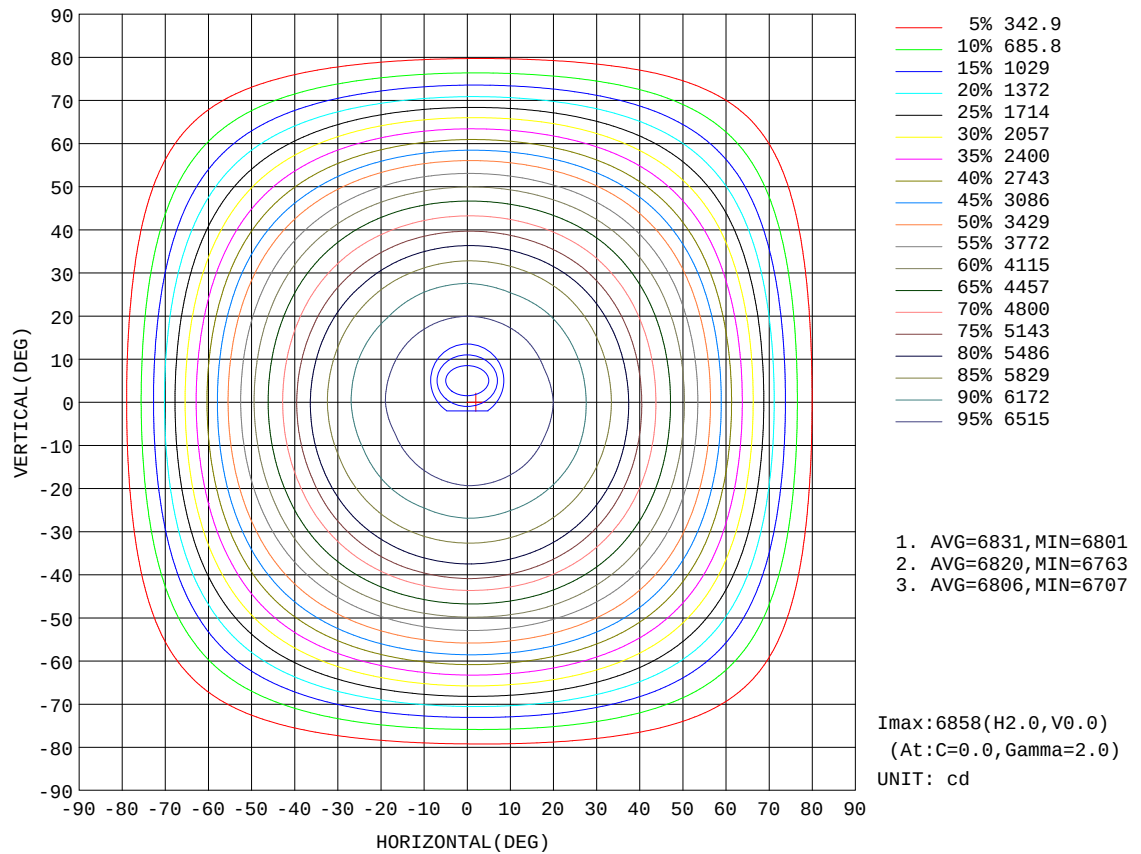
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	66	57	50	44
1.00	78	67	60	77	67	60	75	68	59	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	85	78	73	65
2.00	97	89	83	95	88	82	92	85	80	73
2.50	100	93	88	98	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	100	97	101	97	94	85
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:2016-10-11

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:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A

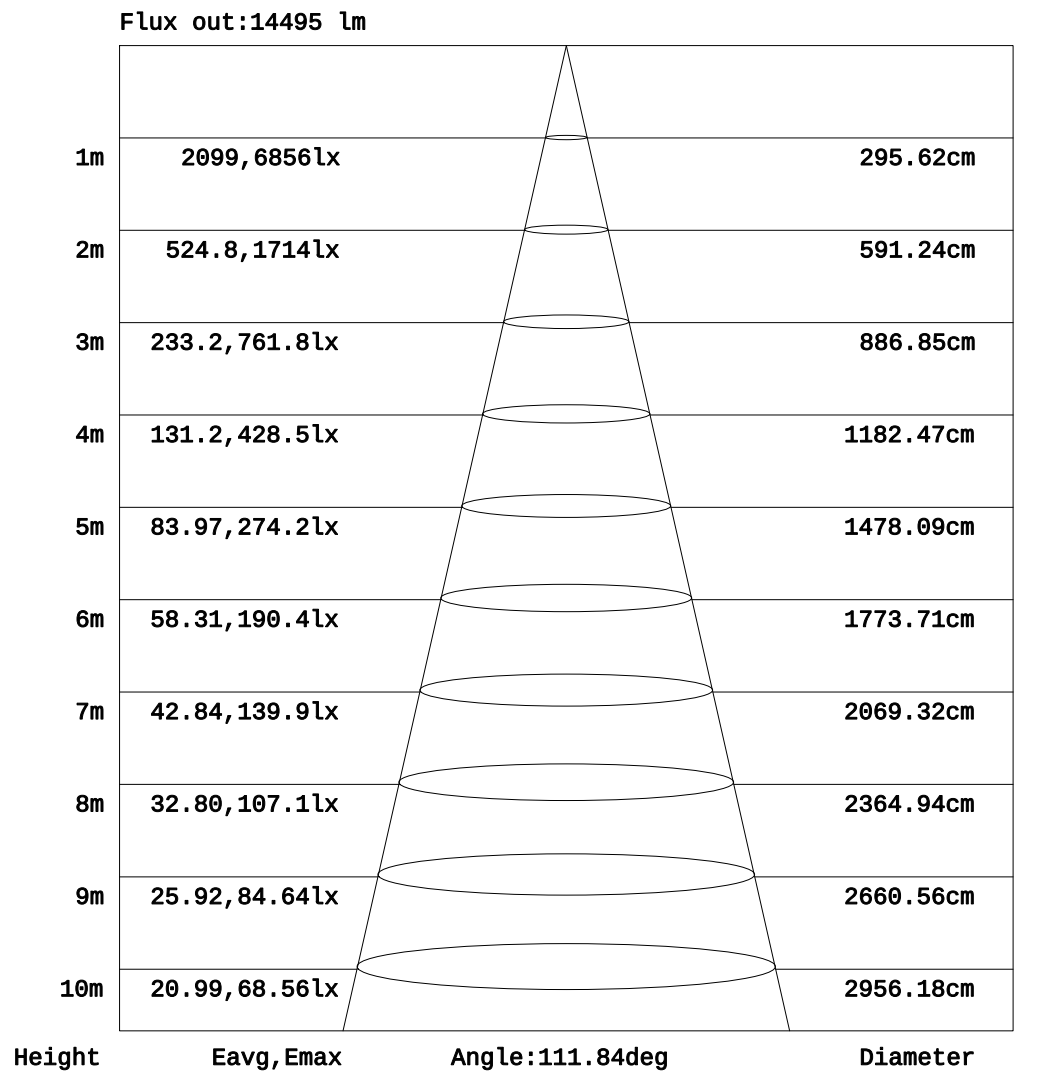


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-11

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:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A



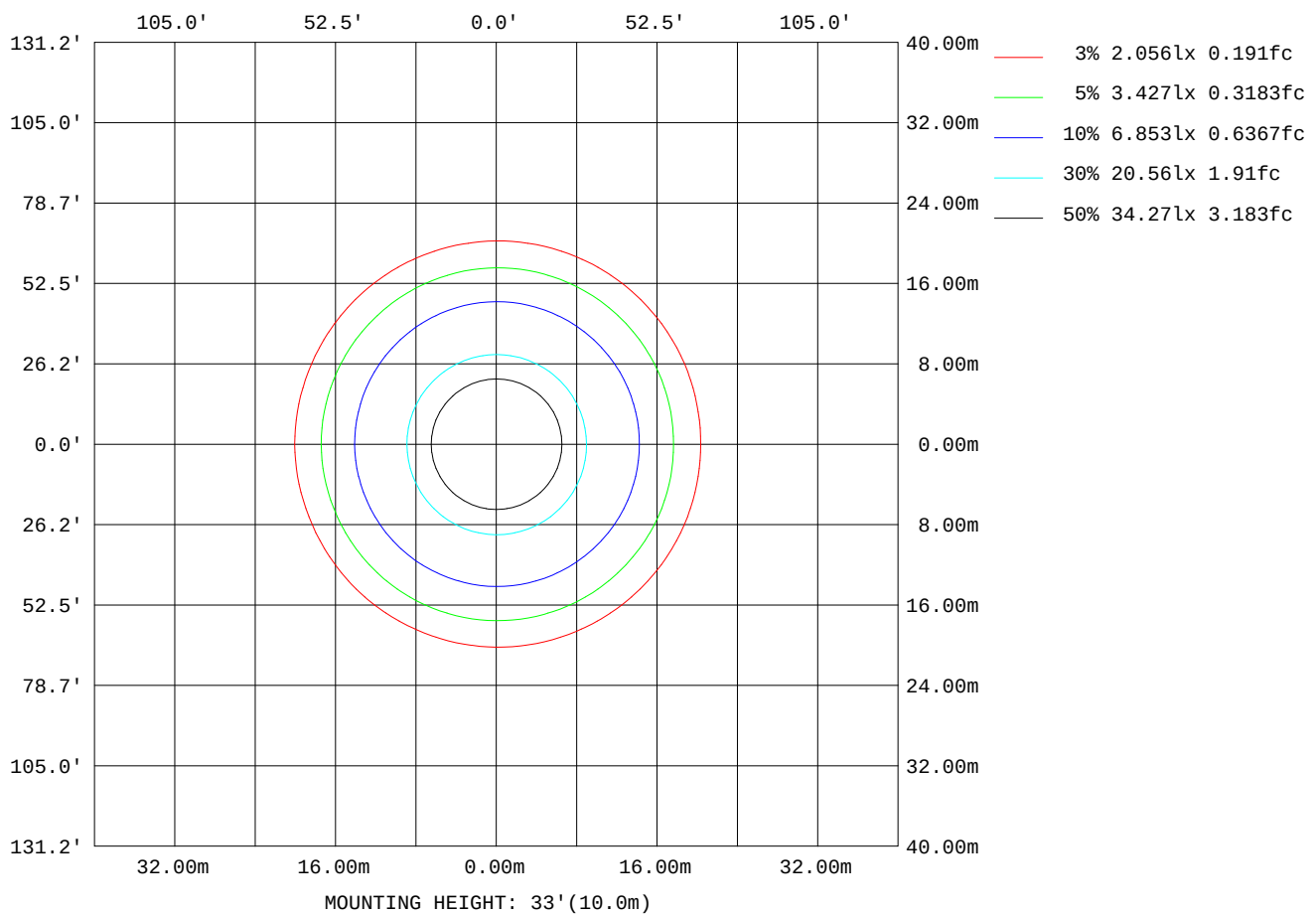
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

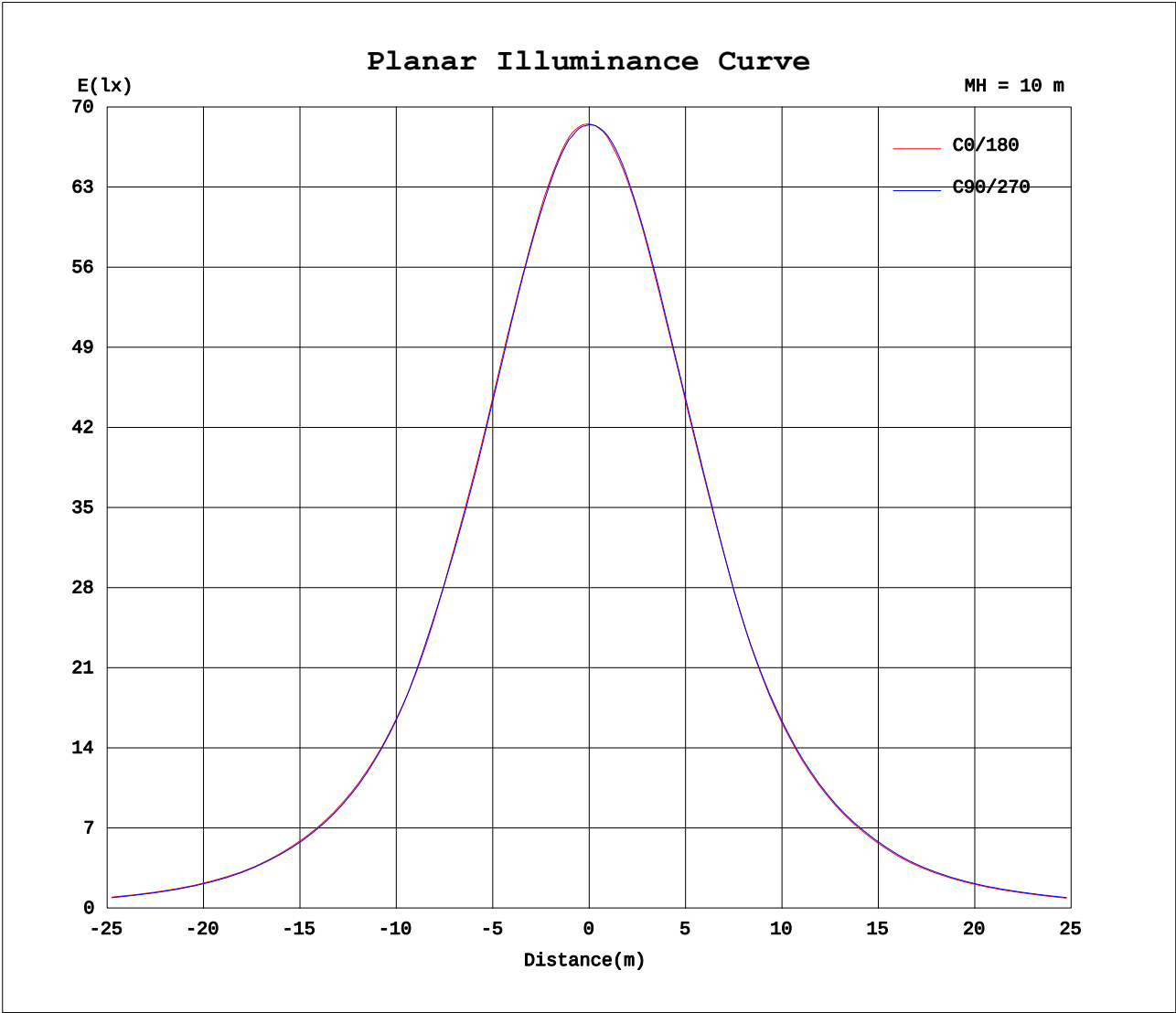
Test:U:220.0V I:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	SERIAL No.:N/A
MFR.: SHENZHEN YOUWIN OPTRONICS CO.,LTD	SUR.:	Shielding Angle:N/A



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



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.7188A P:154.1W PF:0.9745 Freq:50.00Hz Lamp Flux:18816.1x1 lm		
NAME: LED High Bay Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.: $\phi 320 \times 187$	SERIAL No.:N/A
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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	6853	6856	6849	6845	6846	6838	6837	6837	6853	6856	6849	6845	6846	6838	6837	6837			
5	6852	6847	6837	6841	6823	6822	6823	6824	6832	6838	6847	6835	6845	6840	6831	6823			
10	6783	6783	6783	6776	6759	6757	6750	6748	6759	6773	6779	6771	6788	6775	6779	6768			
15	6671	6661	6668	6657	6642	6633	6638	6623	6650	6652	6662	6659	6671	6663	6663	6656			
20	6513	6499	6502	6495	6492	6469	6459	6451	6477	6480	6493	6505	6513	6510	6508	6493			
25	6311	6305	6285	6273	6268	6236	6242	6238	6271	6271	6257	6283	6297	6287	6301	6293			
30	6035	6043	6027	6013	5987	5983	5973	5965	5997	5985	5997	6015	6032	6018	6027	6038			
35	5716	5711	5696	5674	5671	5655	5641	5619	5622	5600	5578	5599	5623	5644	5686	5691			
40	5193	5225	5239	5244	5250	5212	5143	5087	5094	5071	5070	5094	5108	5125	5162	5177			
45	4675	4686	4674	4669	4648	4621	4584	4562	4573	4576	4589	4612	4622	4639	4665	4669			
50	4152	4156	4144	4133	4096	4067	4052	4025	4052	4054	4056	4070	4106	4118	4142	4155			
55	3595	3588	3568	3546	3534	3493	3481	3459	3486	3493	3506	3531	3555	3565	3587	3600			
60	2924	2931	2913	2894	2877	2838	2795	2770	2792	2788	2800	2827	2863	2892	2914	2928			
65	2231	2233	2220	2190	2165	2128	2103	2081	2113	2104	2130	2157	2189	2218	2234	2251			
70	1532	1528	1511	1484	1449	1417	1391	1375	1398	1403	1422	1447	1481	1505	1531	1548			
75	869	860	845	824	793	775	748	729	757	768	789	807	841	862	882	888			
80	339	333	322	300	278	268	258	248	261	270	282	300	314	334	353	356			
85	53.0	48.7	39.9	28.0	22.9	21.5	22.7	23.9	29.5	30.7	31.9	32.1	33.5	40.1	54.3	63.8			
90	0.62	0.61	0.61	0.61	0.55	0.61	0.48	0.48	2.71	2.71	2.71	2.71	2.65	2.64	2.64	2.71			
95	0.41	0.47	0.47	0.41	0.41	0.41	0.47	0.41	3.19	3.12	3.05	2.98	2.92	2.92	2.91	2.85			
100	0.41	0.47	0.47	0.41	0.47	0.47	0.47	0.47	4.35	4.28	4.21	4.14	4.07	4.00	4.01	3.93			
105	1.08	1.08	1.08	1.08	1.09	1.21	1.29	1.28	5.97	5.97	5.70	5.15	5.23	5.15	5.56	5.43			
110	2.03	2.03	2.10	2.10	2.17	2.10	2.17	2.23	7.67	7.53	7.32	7.05	7.13	6.98	7.06	7.32			
115	2.78	3.11	2.71	2.71	3.05	2.64	3.05	3.18	9.62	9.15	8.27	6.84	7.94	7.32	8.01	9.01			
120	3.65	3.73	3.93	3.72	4.19	3.79	3.93	3.79	10.4	10.1	9.69	6.32	8.68	7.54	9.97	9.62			
125	4.47	4.88	4.34	5.28	6.30	5.55	4.34	4.61	10.6	10.8	9.28	11.1	11.5	10.9	10.1	10.5			
130	6.43	5.56	4.94	6.64	6.99	6.44	5.35	5.35	12.3	11.9	9.28	11.7	12.0	12.2	10.8	11.5			
135	6.51	6.30	6.03	8.12	7.93	7.52	5.76	6.02	13.2	12.1	9.28	12.3	12.6	12.2	10.8	11.8			
140	7.79	7.79	6.98	8.67	8.75	8.54	6.51	8.06	13.9	12.7	9.42	12.3	12.6	11.6	11.0	12.1			
145	9.35	9.15	8.81	9.55	9.22	9.01	7.45	8.60	14.1	13.3	10.3	12.8	12.6	13.0	11.3	13.2			
150	9.83	10.0	10.6	10.1	10.7	9.75	9.69	8.74	14.6	13.6	11.7	13.7	14.2	14.3	13.6	14.4			
155	9.76	10.0	10.8	10.1	10.6	9.89	10.8	8.74	15.0	14.2	13.1	14.4	12.1	14.2	15.2	14.6			
160	9.76	10.1	10.5	9.97	10.1	9.96	10.5	9.28	15.0	14.9	13.0	14.4	13.2	13.0	14.0	14.6			
165	9.76	9.69	10.3	10.0	10.1	10.0	10.4	9.62	15.0	15.0	12.7	14.4	13.7	14.0	14.2	15.0			
170	12.6	10.2	14.2	14.4	15.6	13.4	14.2	10.9	15.0	15.2	12.5	14.8	13.5	14.2	15.9	15.2			
175	15.6	12.3	15.8	14.6	17.3	15.2	16.5	11.9	16.1	15.9	12.5	16.0	14.9	16.3	16.3	16.1			
180	15.7	12.6	16.2	14.6	17.5	16.0	16.7	12.3	15.6	15.7	12.6	16.4	14.6	17.3	16.1	16.7			

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