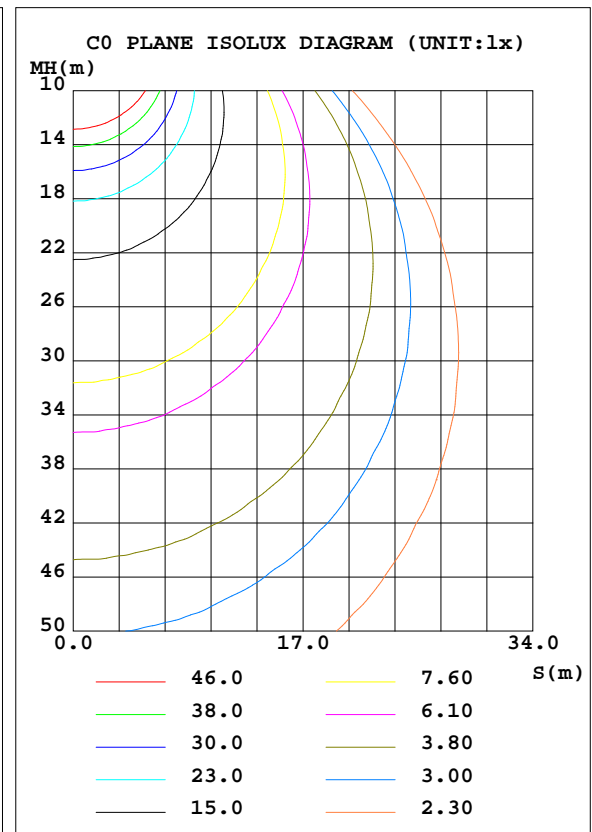
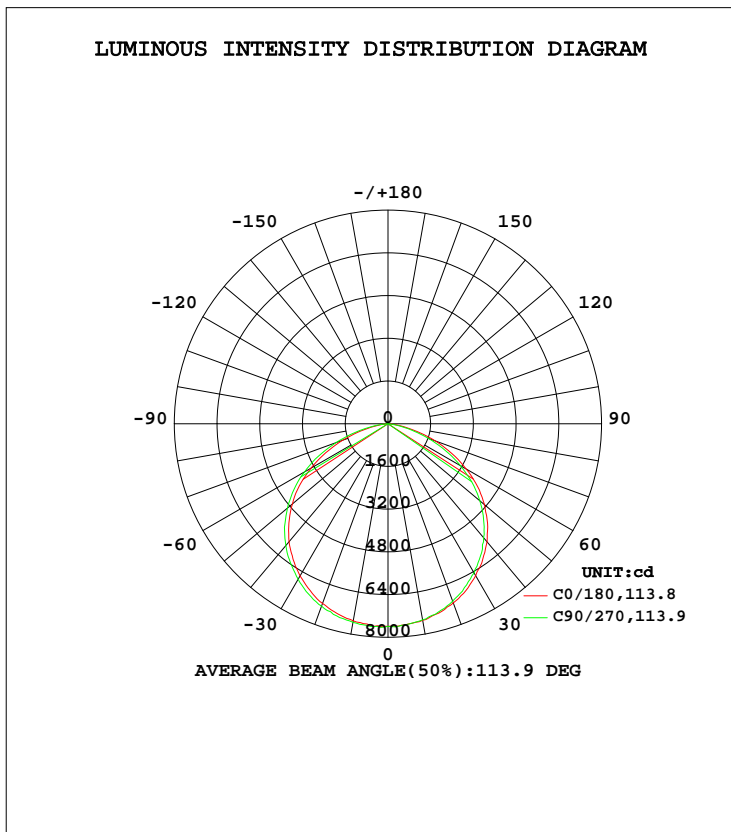


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm		
NAME: LED HIGHBAY LIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd		Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.54 lm/W			
MODEL	XSY-HB09P150-40K	I <sub>max</sub> (cd)	7633	S/MH(C0/180)	1.29
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	21461	η UP, DN(C0-180)	0.1,48.3
NOMINAL FLUX(lm)	21461.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,51.4
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3825]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	7478	7419	7456	7460	7493	7526	7554	7515	0- 10	720.1	720.1	3.36,3.36
20	7148	7084	7074	7097	7162	7214	7271	7240	10- 20	2077	2797	13,13
30	6569	6494	6453	6477	6583	6668	6732	6696	20- 30	3179	5976	27.8,27.8
40	5771	5634	5570	5632	5770	5875	5956	5900	30- 40	3875	9851	45.9,45.9
50	4722	4563	4494	4537	4678	4829	4919	4868	40- 50	4051	13902	64.8,64.8
60	3381	3209	3133	3159	3334	3505	3610	3570	50- 60	3623	17525	81.7,81.7
70	1881	1711	1607	1631	1800	1957	2073	2046	60- 70	2573	20098	93.6,93.6
80	506.4	401.5	327.9	325.8	429.9	550.6	623.0	613.2	70- 80	1163	21261	99.1,99.1
90	9.043	6.191	3.533	2.756	2.722	5.593	9.765	12.07	80- 90	155.1	21416	99.8,99.8
100	1.576	2.047	1.575	1.903	2.463	2.315	2.255	2.180	90-100	2.378	21418	99.8,99.8
110	2.534	2.685	2.920	2.546	5.078	4.633	4.579	4.723	100-110	2.903	21421	99.8,99.8
120	4.174	4.477	4.725	4.270	7.544	6.826	7.272	7.570	110-120	4.782	21426	99.8,99.8
130	8.190	8.356	8.541	7.185	8.876	7.525	8.178	8.249	120-130	6.184	21432	99.9,99.9
140	12.51	11.94	13.56	11.24	10.15	8.364	9.975	9.818	130-140	7.209	21439	99.9,99.9
150	15.58	15.89	16.04	15.57	12.75	11.65	13.20	13.41	140-150	7.895	21447	99.9,99.9
160	17.08	17.76	17.61	16.86	15.78	14.93	15.90	15.81	150-160	7.092	21454	100,100
170	19.53	20.21	20.98	19.55	17.23	17.54	18.29	18.88	160-170	4.947	21459	100,100
180	20.81	21.19	20.39	20.31	20.66	20.22	20.17	20.53	170-180	1.874	21461	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11892 lm

%lum = 55.4%  
%lamp = 55.4%

Conical surface Flux(120deg): 17525 lm

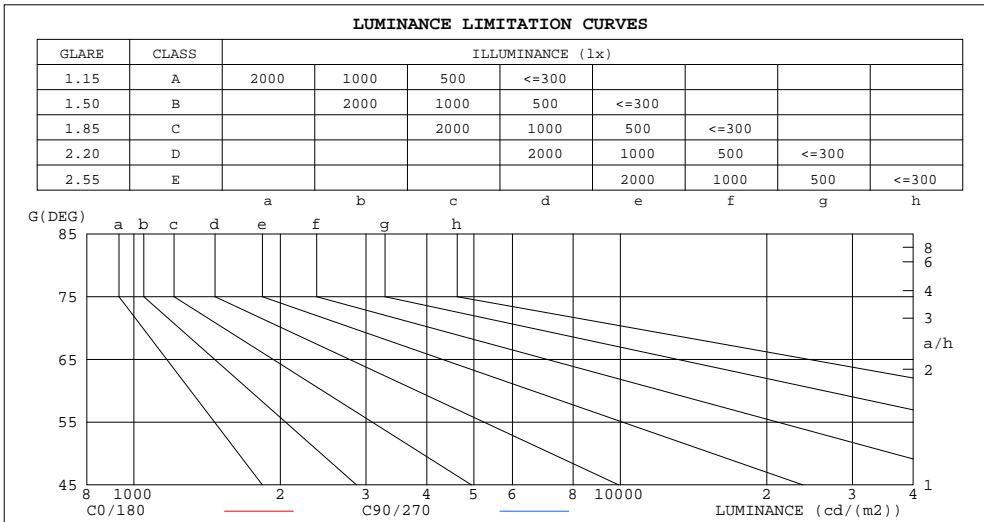
%lum = 81.7%  
%lamp = 81.7%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.5DEG  
Operators:William  
Test Date:2018-06-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:65.7%  
Test Distance:26.000m [K=1.3825]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm		
NAME: LED HIGHBAY LIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd		Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	110514	51732
80	292030	188286
75	440031	350590
70	550805	468637
65	625293	559779
60	677044	624750
55	714329	669728
50	735540	697122
45	746545	714447

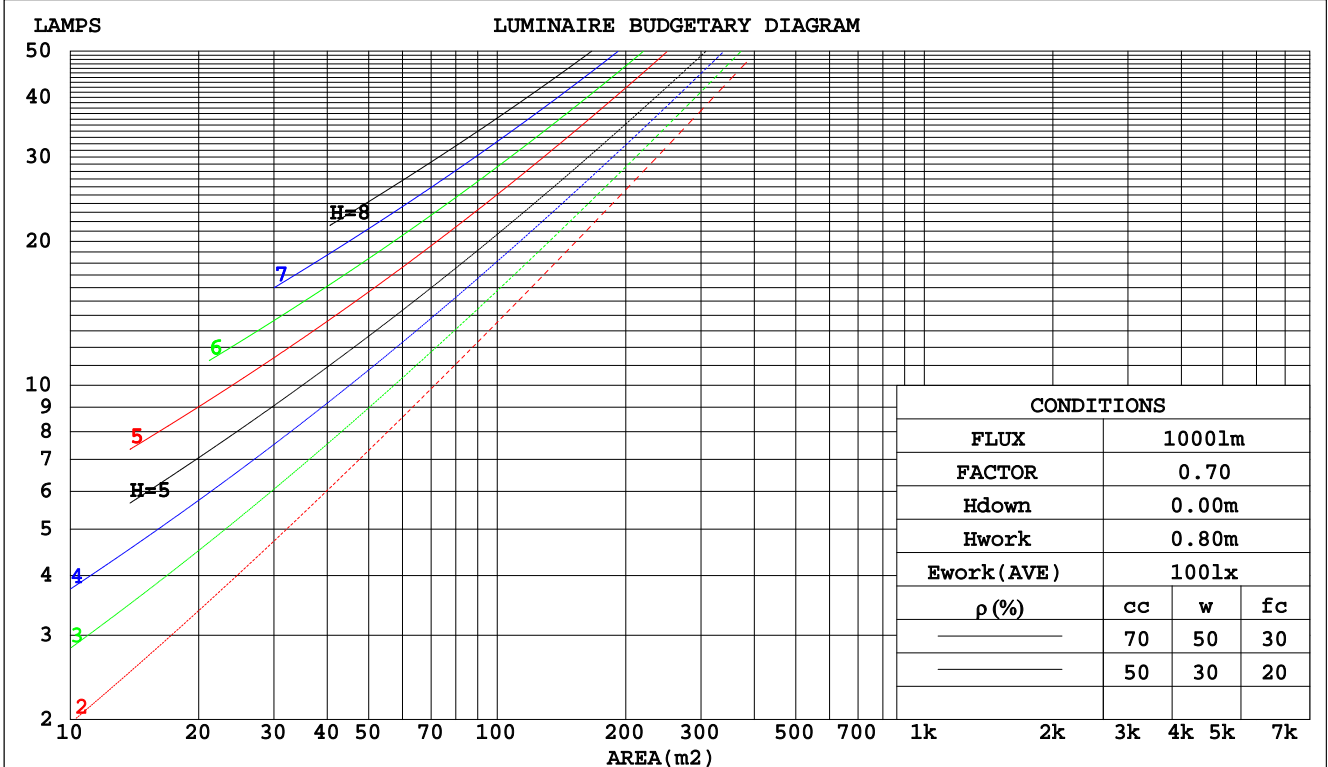
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: William  
 Test Date: 2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.7%  
 Test Distance: 26.000m [K=1.3825]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm		
NAME: LED HIGHBAY LIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd	Shielding Angle:N/A	

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																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	.97	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.65	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.46	.44
6.0	.57	.49	.42	.56	.48	.42	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3825]  
 Remarks:

WEC AND CCEC

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm														
NAME: LED HIGHBAY LIGHT					TYPE:LED					WEIGHT:N/A				
SPEC.:N/A					DIM.:					SERIAL No.:N/A				
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd										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	.290	.165	.052	.283	.161	.051	.269	.155	.049	.257	.148	.048	.246	.143	.046	
2.0	.279	.153	.047	.273	.150	.046	.261	.145	.045	.250	.140	.044	.240	.136	.043	
3.0	.262	.139	.042	.256	.137	.041	.246	.133	.040	.236	.129	.040	.227	.126	.039	
4.0	.243	.126	.037	.238	.125	.037	.229	.122	.036	.221	.118	.036	.213	.116	.035	
5.0	.226	.115	.033	.222	.114	.033	.214	.111	.033	.206	.109	.032	.199	.106	.032	
6.0	.210	.105	.030	.207	.104	.030	.199	.102	.030	.193	.100	.029	.186	.098	.029	
7.0	.196	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.173	.083	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.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	.181	.158	.138	.154	.136	.118	.106	.093	.082	.061	.054	.048	.019	.017	.015	
2.0	.172	.134	.101	.147	.115	.087	.101	.080	.061	.058	.046	.036	.019	.015	.012	
3.0	.164	.116	.077	.141	.100	.067	.097	.069	.047	.056	.041	.028	.018	.013	.009	
4.0	.157	.103	.061	.135	.089	.053	.093	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.150	.092	.049	.129	.080	.043	.089	.056	.030	.051	.033	.018	.017	.011	.006	
6.0	.143	.084	.041	.123	.072	.036	.085	.051	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.077	.035	.117	.067	.031	.081	.047	.022	.047	.027	.013	.015	.009	.004	
8.0	.130	.071	.031	.112	.062	.027	.077	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.124	.066	.027	.107	.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:William  
 Test Date:2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3825]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm										
NAME: LED HIGHBAY LIGHT					TYPE:LED			WEIGHT:N/A		
SPEC.:N/A					DIM.:			SERIAL No.:N/A		
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd					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	35.7	37.2	35.9	37.4	37.6	35.4	36.8	35.6	37.1	37.3
3H	36.9	38.3	37.2	38.5	38.8	36.5	37.8	36.8	38.1	38.3
4H	37.3	38.6	37.6	38.9	39.1	36.7	38.0	37.1	38.3	38.6
6H	37.4	38.7	37.8	39.0	39.2	36.8	38.0	37.1	38.3	38.6
8H	37.4	38.6	37.8	38.9	39.2	36.8	38.0	37.1	38.2	38.5
12H	37.4	38.5	37.8	38.8	39.2	36.7	37.9	37.1	38.2	38.5
4H 2H	36.2	37.5	36.5	37.7	38.0	35.9	37.2	36.2	37.5	37.7
3H	37.6	38.7	37.9	39.0	39.3	37.2	38.3	37.5	38.6	38.9
4H	38.0	39.0	38.4	39.4	39.7	37.5	38.5	37.9	38.9	39.2
6H	38.2	39.1	38.6	39.5	39.9	37.6	38.5	38.0	38.9	39.3
8H	38.2	39.1	38.6	39.5	39.8	37.6	38.4	38.0	38.8	39.2
12H	38.2	39.0	38.6	39.4	39.8	37.6	38.3	38.0	38.7	39.1
8H 4H	38.1	38.9	38.5	39.3	39.7	37.6	38.5	38.0	38.8	39.2
6H	38.4	39.1	38.8	39.5	39.9	37.8	38.5	38.2	38.9	39.3
8H	38.4	39.0	38.9	39.4	39.9	37.8	38.4	38.3	38.8	39.3
12H	38.4	38.9	38.9	39.4	39.9	37.8	38.3	38.2	38.7	39.2
12H 4H	38.1	38.8	38.5	39.2	39.6	37.6	38.4	38.0	38.8	39.2
6H	38.3	39.0	38.8	39.4	39.8	37.8	38.4	38.2	38.8	39.3
8H	38.4	38.9	38.9	39.4	39.9	37.8	38.3	38.3	38.8	39.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 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, 21461 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.7)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3825]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm		
NAME: LED HIGHBAY LIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd		Shielding Angle:N/A

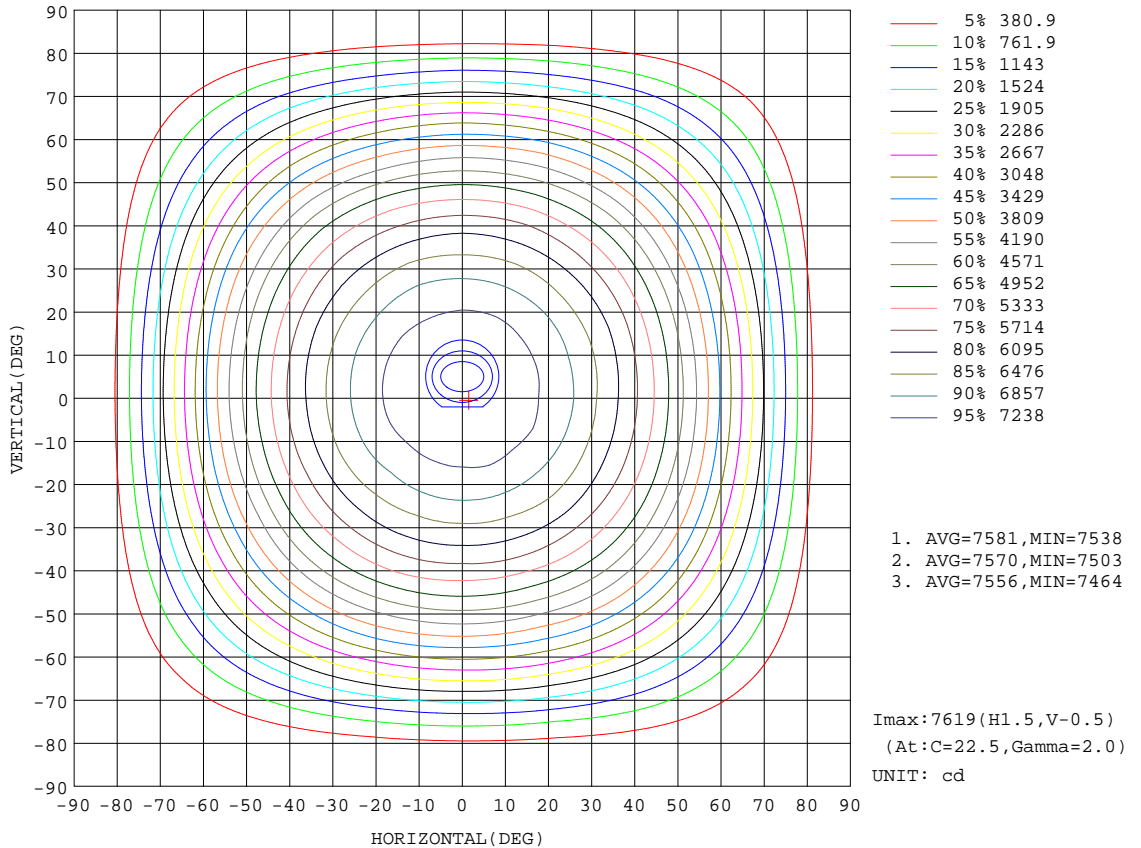
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	40	57	46	39	56	46	39	33
0.80	68	57	50	67	56	49	66	56	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	72	85	77	71	64
2.00	96	88	82	94	87	81	91	84	79	72
2.50	100	92	87	98	91	86	94	88	84	76
3.00	103	97	91	101	95	90	97	92	88	80
4.00	107	102	97	105	100	96	100	97	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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:William  
 Test Date:2018-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3825]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm		
NAME: LED HIGHBAY LIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd		Shielding Angle:N/A



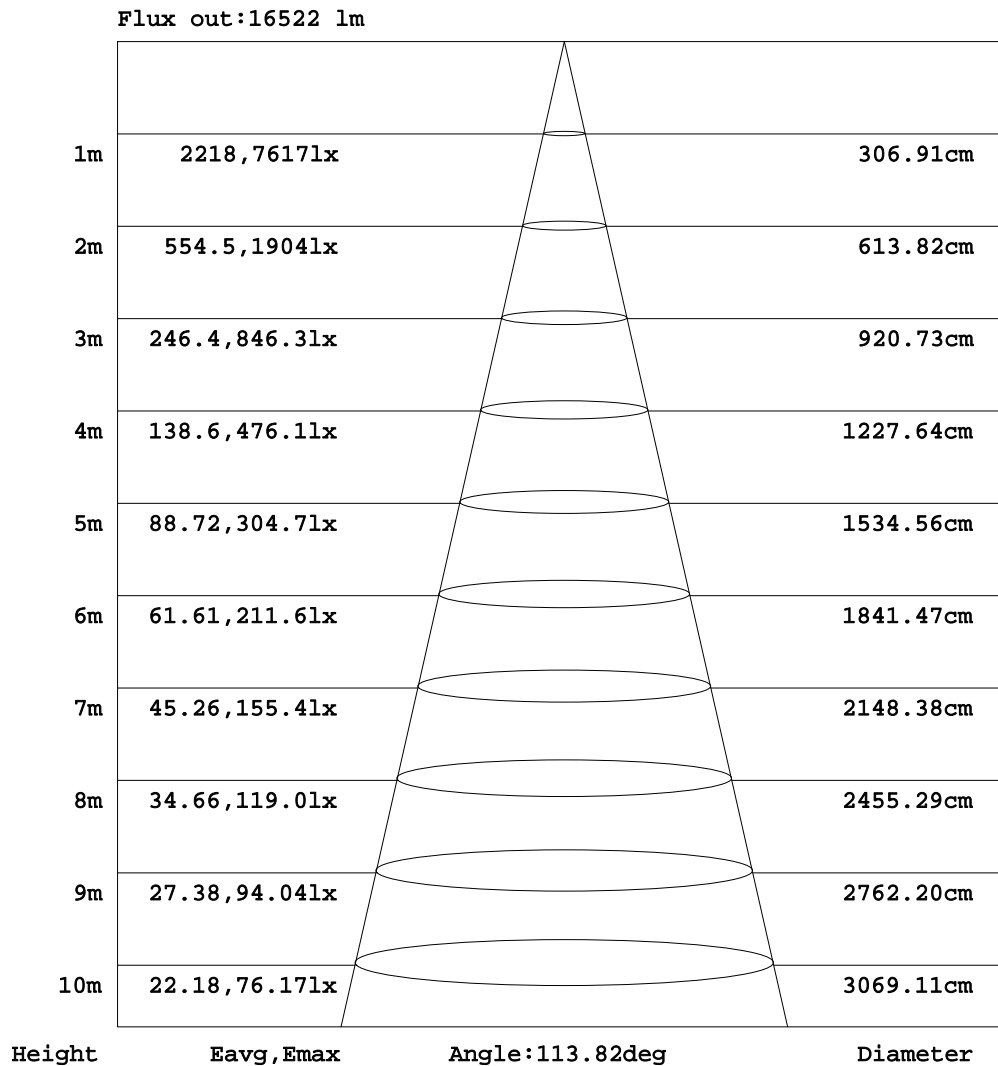
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: William  
 Test Date: 2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.7%  
 Test Distance: 26.000m [K=1.3825]  
 Remarks:



AAI Figure

Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm		
NAME: LED HIGHBAY LIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd		Shielding Angle:N/A



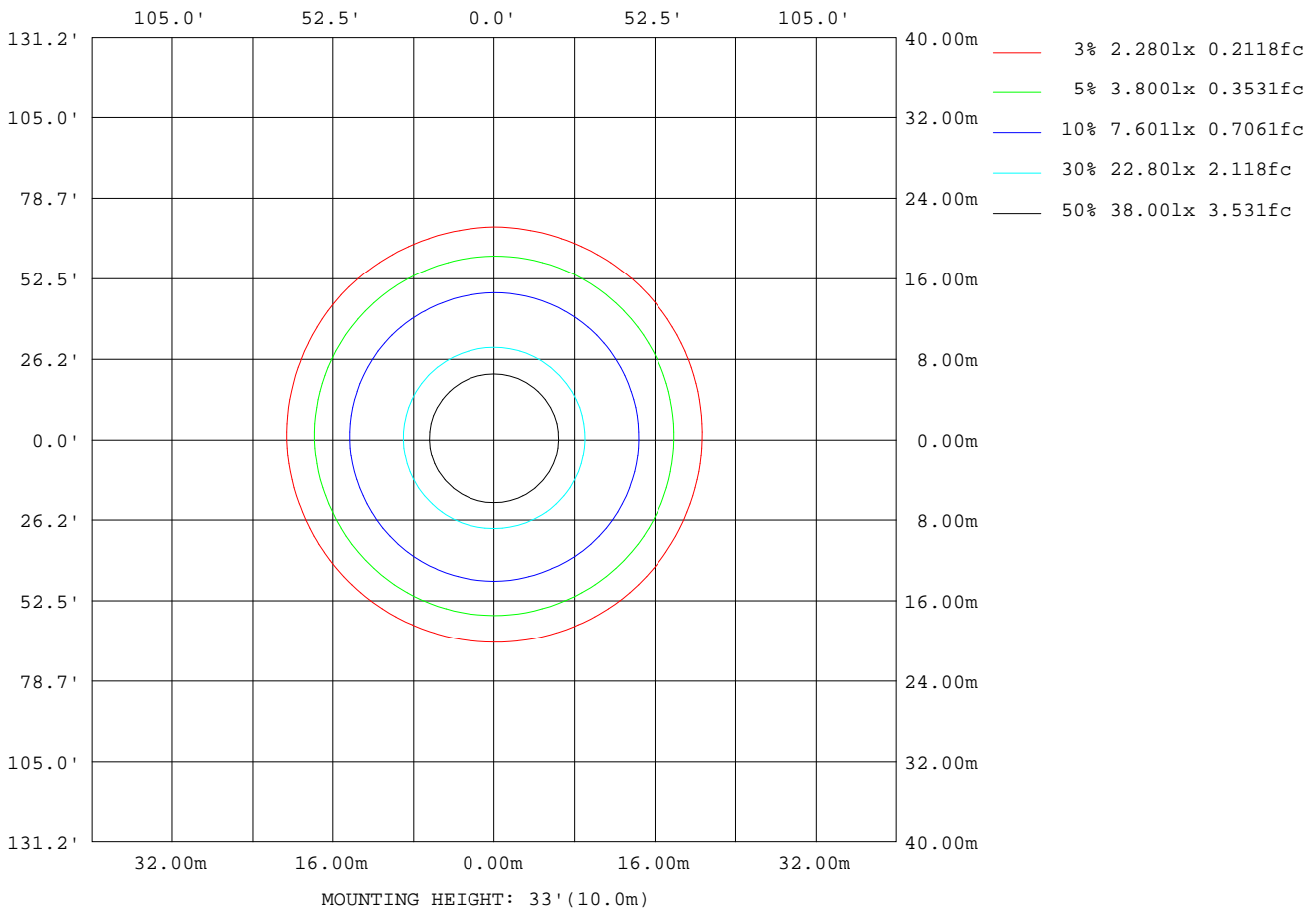
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3825]  
 Remarks:

ISOLUX DIAGRAM

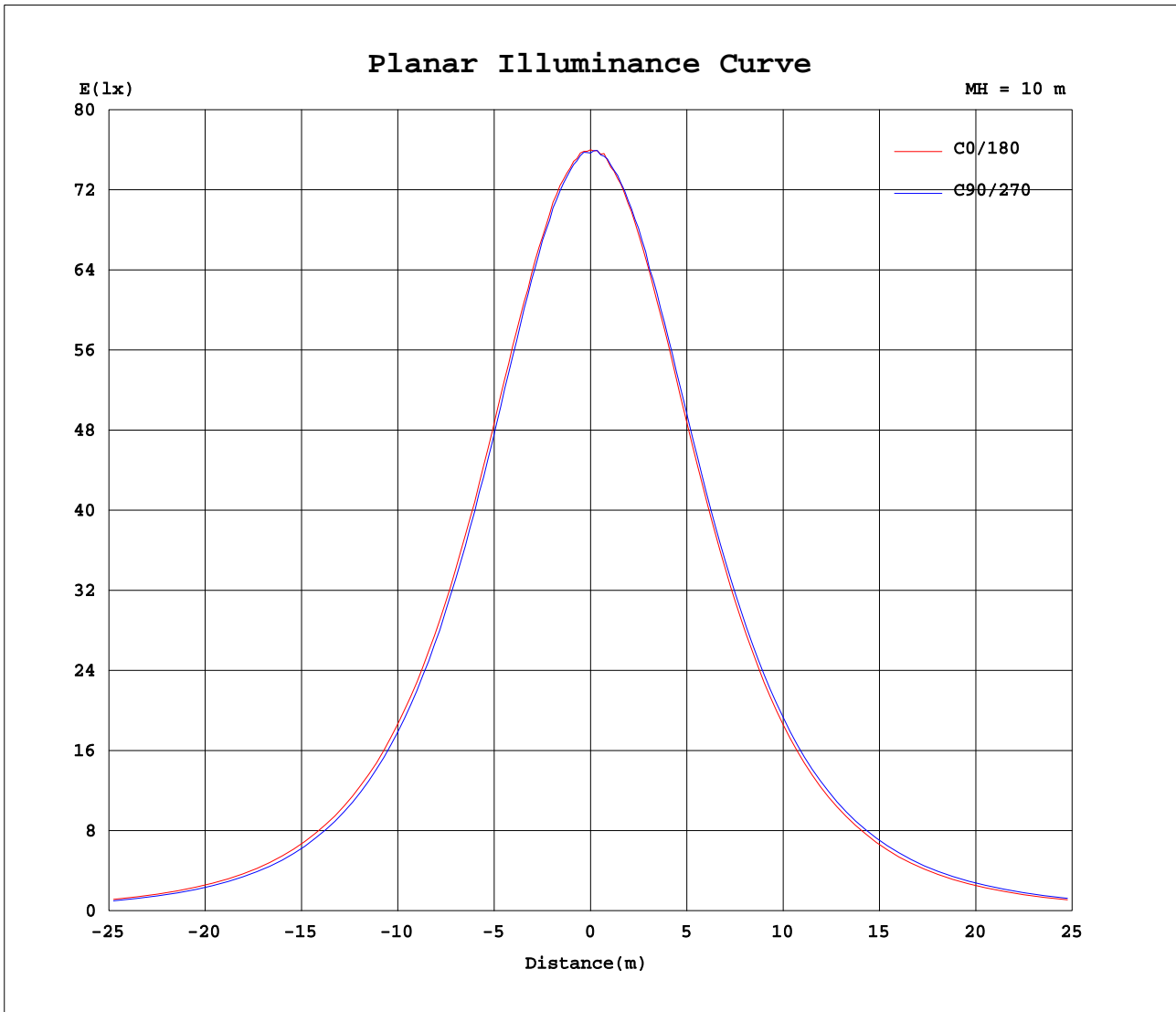
Test:U:120.16V I:1.2350A P:147.46W PF:0.9937 Freq:60.01Hz Lamp Flux:21461.3x1 lm		
NAME: LED HIGHBAY LIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen XinShengYang Opto-Electronics Technology Co., Ltd		Shielding Angle:N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2018-06-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3825]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.5DEG  
Operators: William  
Test Date: 2018-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity: 65.7%  
Test Distance: 26.000m [K=1.3825]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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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	7591	7591	7591	7591	7591	7591	7591	7591	7591	7591	7591	7591	7591	7591	7591	7591			
5	7561	7562	7550	7562	7560	7548	7550	7559	7572	7617	7581	7594	7616	7578	7590	7550			
10	7478	7491	7419	7453	7456	7445	7460	7440	7493	7530	7526	7549	7554	7535	7515	7487			
15	7340	7355	7299	7301	7300	7289	7308	7296	7360	7388	7408	7444	7449	7433	7400	7339			
20	7148	7146	7084	7069	7074	7068	7097	7085	7162	7207	7214	7234	7271	7271	7240	7178			
25	6901	6864	6795	6767	6777	6785	6809	6832	6892	6969	6969	7019	7040	6991	6990	6915			
30	6569	6539	6494	6425	6453	6419	6477	6513	6583	6632	6668	6725	6732	6717	6696	6603			
35	6193	6148	6092	6049	6041	6048	6075	6099	6201	6275	6297	6354	6365	6353	6330	6246			
40	5771	5715	5634	5596	5570	5626	5632	5660	5770	5836	5875	5905	5956	5945	5900	5835			
45	5272	5228	5133	5049	5067	5073	5105	5128	5246	5338	5385	5434	5483	5453	5428	5332			
50	4722	4640	4563	4477	4494	4495	4537	4545	4678	4787	4829	4873	4919	4899	4868	4758			
55	4092	4006	3925	3821	3853	3861	3901	3910	4060	4147	4220	4230	4306	4302	4268	4142			
60	3381	3308	3209	3129	3133	3131	3159	3176	3334	3448	3505	3552	3610	3644	3570	3467			
65	2639	2544	2468	2395	2373	2369	2395	2441	2574	2663	2753	2791	2880	2844	2825	2751			
70	1881	1780	1711	1615	1607	1600	1631	1667	1800	1866	1957	2005	2073	2057	2046	1956			
75	1137	1044	983	900	910	865	903	926	1055	1101	1192	1237	1298	1289	1279	1215			
80	506	437	401	341	328	319	326	353	430	481	551	588	623	635	613	575			
85	96.2	74.8	59.5	46.2	45.2	39.9	37.0	39.9	55.8	69.3	99.1	131	150	159	152	129			
90	9.04	7.95	6.19	4.11	3.53	2.73	2.76	2.49	2.72	3.79	5.59	7.60	9.76	10.5	12.1	12.4			
95	1.52	1.51	2.61	1.52	1.58	2.40	2.33	1.51	1.79	1.65	1.57	1.57	1.50	1.43	2.37	1.49			
100	1.58	1.54	2.05	1.55	1.57	2.06	1.90	1.55	2.46	2.47	2.31	2.17	2.26	2.18	2.18	2.32			
105	1.64	1.79	2.23	2.23	2.25	2.24	2.24	2.08	3.74	3.52	3.29	3.06	3.23	3.23	3.30	3.36			
110	2.53	2.54	2.68	2.76	2.92	2.69	2.55	2.69	5.08	4.79	4.63	4.56	4.58	4.65	4.72	4.86			
115	3.21	3.52	3.66	3.73	3.97	3.74	3.67	3.74	6.65	6.14	5.97	5.83	6.01	6.00	6.15	6.20			
120	4.17	4.19	4.48	4.70	4.72	4.27	4.27	3.95	7.54	7.49	6.83	6.60	7.27	7.34	7.57	7.39			
125	6.18	6.13	6.12	6.64	7.11	6.21	5.76	5.88	7.98	7.94	7.09	6.77	7.87	7.49	7.87	7.77			
130	8.19	7.92	8.36	8.74	8.54	7.78	7.19	7.24	8.88	8.24	7.53	7.32	8.18	7.87	8.25	8.21			
135	9.69	9.43	9.77	10.7	10.6	9.95	8.46	9.40	9.40	8.24	7.84	8.37	9.30	8.92	9.07	8.74			
140	12.5	12.2	11.9	13.4	13.6	12.9	11.2	12.0	10.2	9.29	8.36	9.27	9.98	10.0	9.82	9.71			
145	14.3	13.9	13.7	15.2	15.1	14.7	13.4	13.2	11.1	10.4	9.71	11.4	11.5	11.5	11.1	11.1			
150	15.6	15.7	15.9	16.6	16.0	15.7	15.6	14.3	12.8	12.4	11.6	12.9	13.2	13.5	13.4	12.8			
155	16.3	16.7	16.7	16.8	16.7	16.4	16.4	15.4	14.6	14.2	13.6	14.6	14.5	14.9	14.6	14.6			
160	17.1	17.2	17.8	17.5	17.6	16.9	16.9	16.6	15.8	15.4	14.9	15.7	15.9	15.5	15.8	15.5			
165	18.6	18.3	18.4	19.0	19.1	18.1	18.2	18.3	16.2	16.3	15.9	16.7	16.9	16.7	17.2	16.4			
170	19.5	19.4	20.2	20.4	21.0	19.5	19.5	19.6	17.2	17.4	17.5	17.9	18.3	18.4	18.9	17.8			
175	20.8	20.3	21.3	21.4	21.2	20.5	20.7	20.4	19.5	19.5	18.8	19.2	19.1	19.3	20.1	19.0			
180	20.8	20.3	21.2	20.1	20.4	20.5	20.3	20.4	20.7	20.9	20.2	21.2	20.2	20.2	20.5	20.3			

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