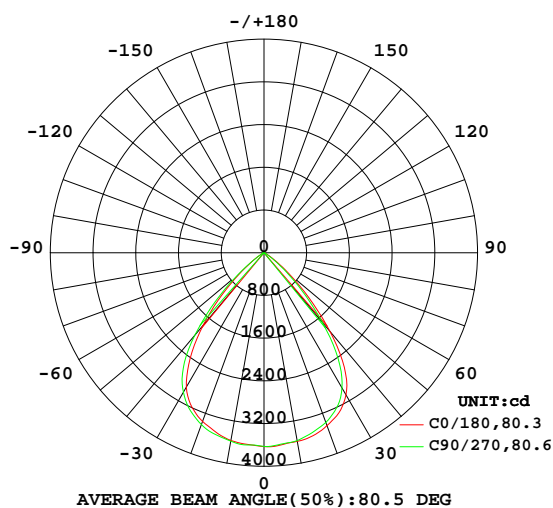


LUMINAIRE PHOTOMETRIC TEST REPORT

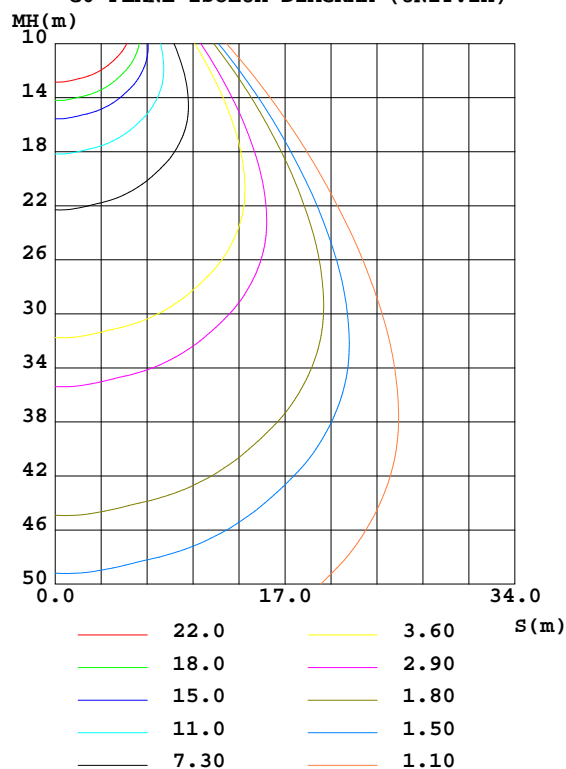
Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.74 lm/W			
MODEL	BNL-HBC50W	I _{max} (cd)	3639	S/MH(C0/180)	1.14
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5607.7	η UP,DN(C0-180)	0.2,48.6
NOMINAL FLUX(lm)	5607.72	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,50.8
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	η down(%)	99.4	CIBSE SHR MAX	1.15

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:2016-06-23

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=1.3233]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3587	3595	3572	3563	3570	3557	3583	3588	0- 10	343.6	343.6	6.13,6.13
20	3446	3443	3382	3337	3363	3383	3425	3468	10- 20	990.7	1334	23.8,23.8
30	3073	3003	2920	2869	2907	2976	3017	3101	20- 30	1488	2823	50.3,50.3
40	1923	1821	1701	1668	1773	1909	2014	2051	30- 40	1552	4374	78,78
50	613.1	555.4	493.4	482.6	543.9	588.3	635.3	629.5	40- 50	890.7	5265	93.9,93.9
60	98.95	89.38	73.40	67.73	72.57	68.12	76.71	98.23	50- 60	225.9	5491	97.9,97.9
70	32.98	31.82	27.89	26.54	25.08	29.12	31.56	33.68	60- 70	43.77	5535	98.7,98.7
80	21.01	19.96	16.92	16.35	15.20	18.40	20.43	22.04	70- 80	25.54	5560	99.2,99.2
90	13.03	12.25	10.82	11.62	9.893	10.93	12.27	12.89	80- 90	15.94	5576	99.4,99.4
100	7.135	9.963	4.572	5.372	1.992	2.394	2.580	4.780	90-100	8.279	5584	99.6,99.6
110	3.203	2.880	1.800	1.398	1.926	1.728	2.579	3.651	100-110	4.959	5589	99.7,99.7
120	1.528	1.395	0.9952	0.8637	2.527	2.132	2.257	2.525	110-120	1.868	5591	99.7,99.7
130	1.328	1.264	1.128	1.259	4.519	4.333	4.049	4.189	120-130	1.950	5593	99.7,99.7
140	3.050	3.317	3.447	3.573	7.108	6.920	6.640	6.516	130-140	2.925	5596	99.8,99.8
150	6.040	6.183	6.366	6.509	9.699	9.449	9.228	9.109	140-150	4.056	5600	99.9,99.9
160	6.907	6.916	7.228	7.242	10.63	10.57	10.42	10.36	150-160	3.878	5604	99.9,99.9
170	10.29	10.23	10.34	10.49	11.03	10.91	10.95	10.83	160-170	2.635	5607	100,100
180	11.49	11.44	11.48	11.62	11.56	11.57	11.54	11.56	170-180	1.065	5608	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 4927 lm

%lum = 87.9%

%lamp = 87.9%

Conical surface Flux(120deg): 5490.9 lm

%lum = 97.9%

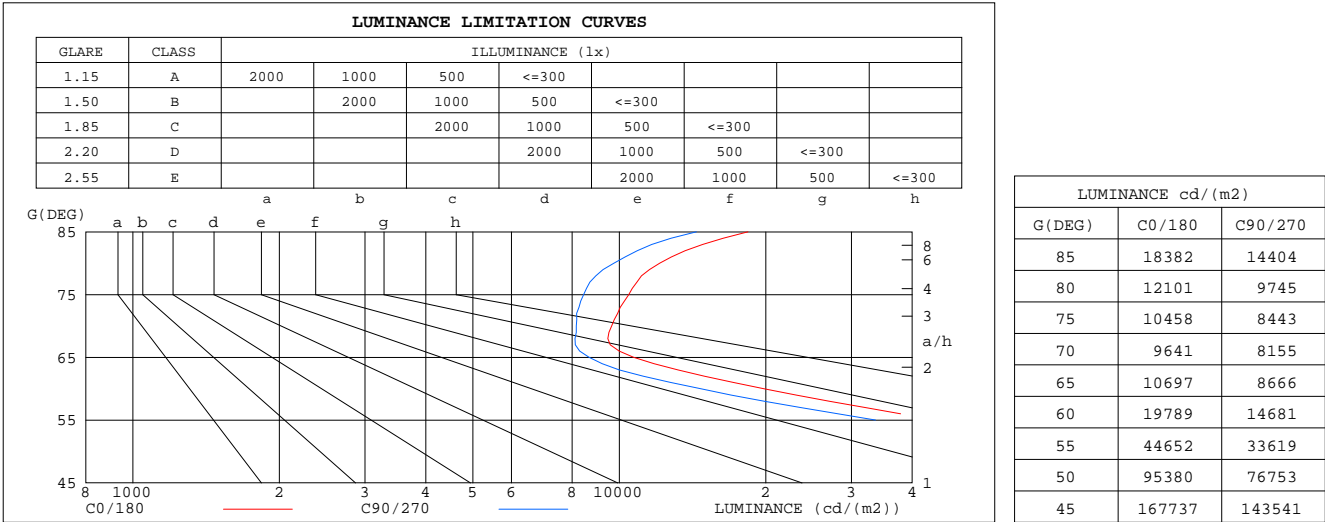
%lamp = 97.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-06-23

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=1.3233]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A



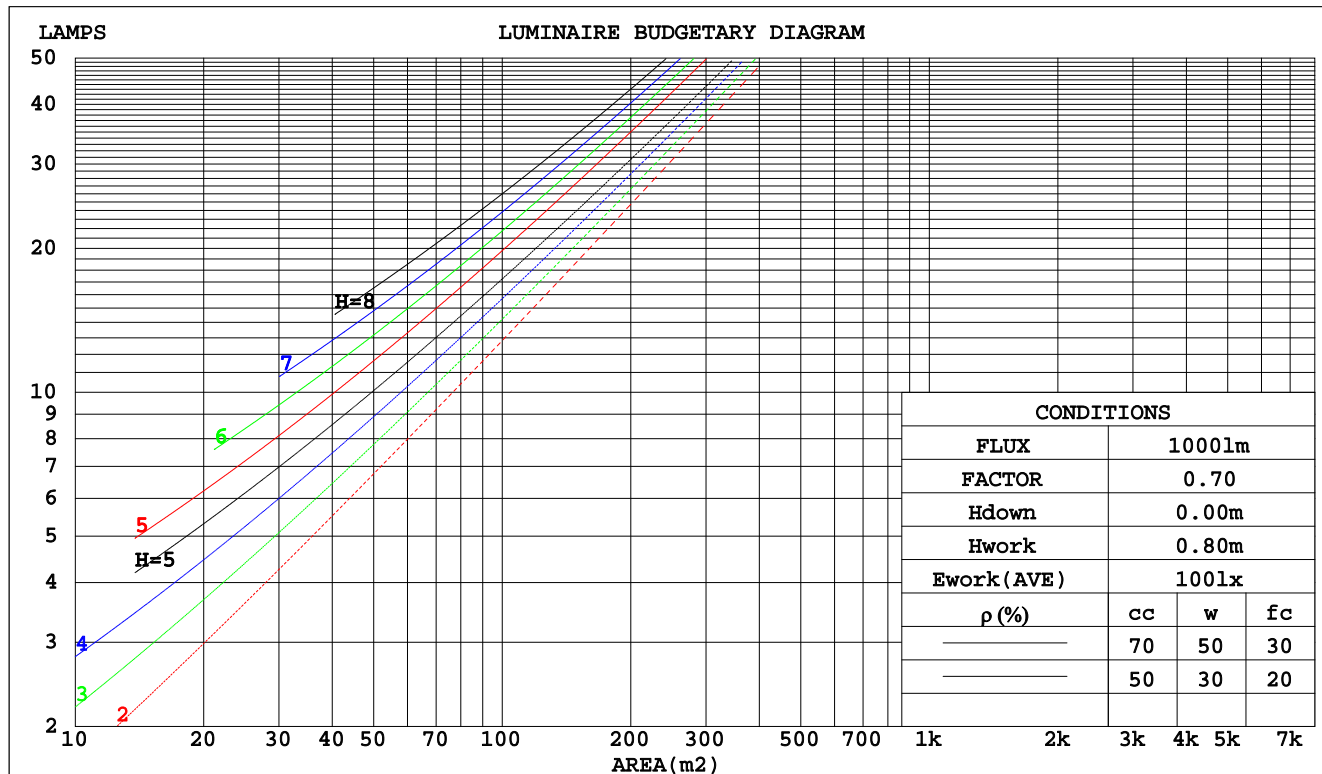
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-06-23

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=1.3233]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	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	.99
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.90	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.82
3.0	.92	.86	.81	.90	.85	.80	.87	.83	.79	.85	.81	.78	.82	.79	.76	.75
4.0	.84	.78	.73	.83	.77	.72	.80	.75	.71	.78	.74	.70	.76	.73	.69	.68
5.0	.77	.71	.65	.76	.70	.65	.74	.69	.64	.73	.68	.64	.71	.67	.63	.62
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.59	.67	.62	.58	.66	.61	.58	.56
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.54	.62	.57	.53	.61	.56	.53	.51
8.0	.61	.54	.50	.61	.54	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.47
9.0	.57	.50	.46	.56	.50	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.43
10.0	.53	.46	.42	.53	.46	.42	.52	.46	.42	.51	.45	.42	.50	.45	.41	.40



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-06-23

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=1.3233]
Remarks:

WEC AND CCEC

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.206	.117	.037	.199	.114	.036	.186	.107	.034	.174	.100	.032	.163	.094	.030		
2.0	.199	.109	.034	.193	.107	.033	.182	.101	.031	.172	.097	.030	.163	.092	.029		
3.0	.191	.102	.030	.186	.099	.030	.176	.095	.029	.167	.092	.028	.159	.088	.027		
4.0	.182	.095	.028	.178	.093	.027	.169	.090	.027	.161	.087	.026	.154	.084	.025		
5.0	.174	.088	.026	.170	.087	.025	.162	.084	.025	.155	.082	.024	.149	.079	.024		
6.0	.165	.083	.024	.162	.082	.024	.155	.080	.023	.149	.077	.023	.143	.075	.022		
7.0	.158	.078	.022	.154	.077	.022	.148	.075	.022	.143	.073	.021	.138	.072	.021		
8.0	.150	.073	.021	.147	.073	.021	.142	.071	.020	.137	.069	.020	.132	.068	.020		
9.0	.143	.069	.019	.141	.069	.019	.136	.067	.019	.132	.066	.019	.127	.065	.019		
10.0	.137	.066	.018	.135	.065	.018	.130	.064	.018	.126	.063	.018	.122	.062	.018		

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						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021		
1.0	.177	.161	.147	.152	.139	.126	.104	.095	.087	.060	.055	.051	.019	.018	.016		
2.0	.164	.137	.114	.141	.118	.098	.096	.081	.068	.056	.047	.040	.018	.015	.013		
3.0	.154	.118	.090	.132	.102	.078	.090	.071	.055	.052	.041	.032	.017	.013	.011		
4.0	.145	.104	.073	.124	.090	.063	.085	.063	.044	.049	.037	.026	.016	.012	.009		
5.0	.137	.093	.060	.118	.080	.052	.081	.056	.037	.047	.033	.022	.015	.011	.007		
6.0	.130	.084	.051	.112	.073	.044	.077	.051	.031	.045	.030	.019	.014	.010	.006		
7.0	.124	.077	.043	.107	.066	.038	.074	.047	.027	.043	.027	.016	.014	.009	.005		
8.0	.119	.071	.038	.102	.061	.033	.071	.043	.023	.041	.025	.014	.013	.008	.005		
9.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.040	.024	.012	.013	.008	.004		
10.0	.109	.061	.030	.094	.053	.026	.065	.038	.018	.038	.022	.011	.012	.007	.004		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-06-23

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=1.3233]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm										
NAME: LED Bulb					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.:			SERIAL No.:N/A		
MFR.: Benory Industrial 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	26.6	27.8	26.9	27.9	28.1	26.2	27.3	26.4	27.5	27.7
3H	26.5	27.5	26.7	27.7	27.9	26.0	27.0	26.3	27.3	27.5
4H	26.4	27.4	26.7	27.6	27.8	25.9	26.9	26.2	27.1	27.4
6H	26.3	27.2	26.6	27.5	27.8	25.9	26.8	26.2	27.0	27.3
8H	26.3	27.2	26.6	27.4	27.7	25.8	26.7	26.2	27.0	27.3
12H	26.3	27.1	26.6	27.4	27.7	25.8	26.6	26.1	26.9	27.2
4H 2H	26.4	27.3	26.7	27.6	27.8	25.9	26.9	26.2	27.2	27.4
3H	26.2	27.1	26.6	27.3	27.6	25.8	26.6	26.1	26.9	27.2
4H	26.2	26.9	26.5	27.2	27.6	25.7	26.5	26.1	26.8	27.1
6H	26.1	26.8	26.5	27.1	27.5	25.7	26.3	26.1	26.7	27.0
8H	26.1	26.7	26.5	27.1	27.5	25.7	26.3	26.1	26.6	27.0
12H	26.1	26.7	26.5	27.0	27.4	25.6	26.2	26.1	26.6	27.0
8H 4H	26.0	26.7	26.5	27.0	27.4	25.6	26.2	26.0	26.6	27.0
6H	26.0	26.5	26.5	26.9	27.3	25.6	26.1	26.0	26.5	26.9
8H	26.0	26.5	26.5	26.9	27.3	25.6	26.0	26.0	26.4	26.9
12H	26.0	26.4	26.5	26.9	27.3	25.6	26.0	26.1	26.4	26.9
12H 4H	26.0	26.6	26.4	26.9	27.3	25.6	26.1	26.0	26.5	26.9
6H	26.0	26.4	26.4	26.8	27.3	25.5	26.0	26.0	26.4	26.9
8H	26.0	26.4	26.5	26.8	27.3	25.5	25.9	26.0	26.4	26.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 6.8					+ 2.3 / - 7.4				
1.5H	+ 3.3 / - 5.9					+ 3.1 / - 5.8				
2.0H	+ 5.7 / - 6.8					+ 5.4 / - 6.6				

CIE Pub.117 Corrected 5608 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.0)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-06-23

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=1.3233]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

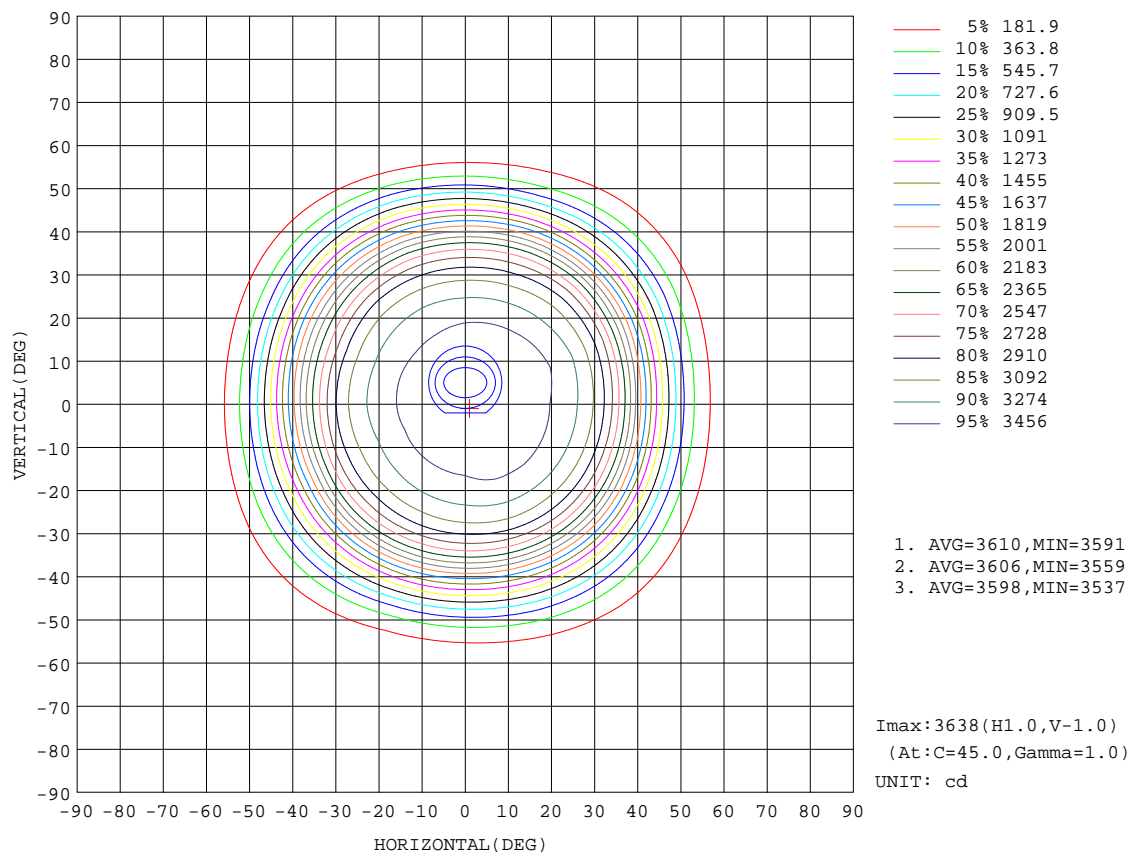
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	69	65	77	69	64	76	69	64	60
0.80	86	79	74	86	79	74	84	78	74	69
1.00	93	86	81	92	85	81	90	86	80	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	91	100	95	91	98	93	90	85
2.00	106	100	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	96	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	108	106	110	107	104	106	103	101	94
5.00	113	110	108	111	108	106	107	105	103	95
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:2016-06-23

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=1.3233]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A



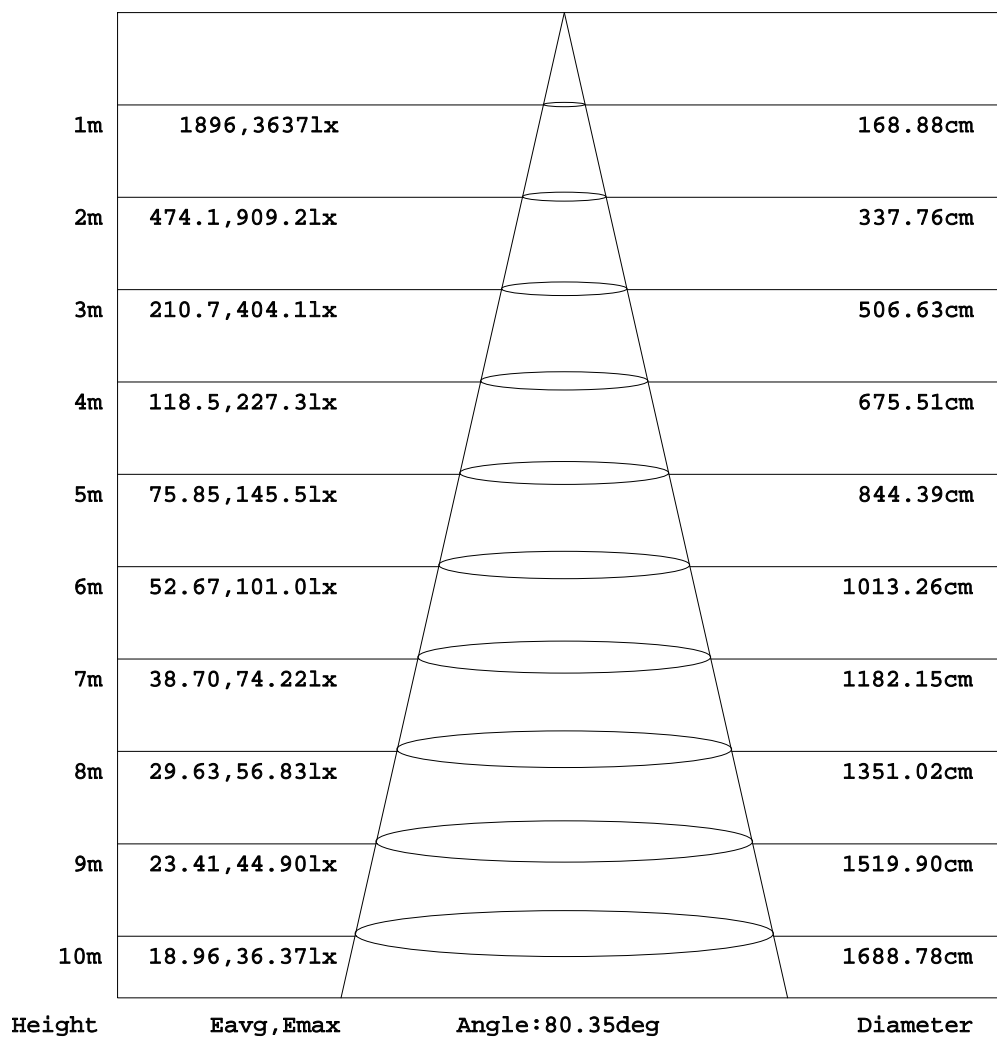
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-06-23

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=1.3233]
Remarks:

AAI Figure

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

Flux out:4502 lm



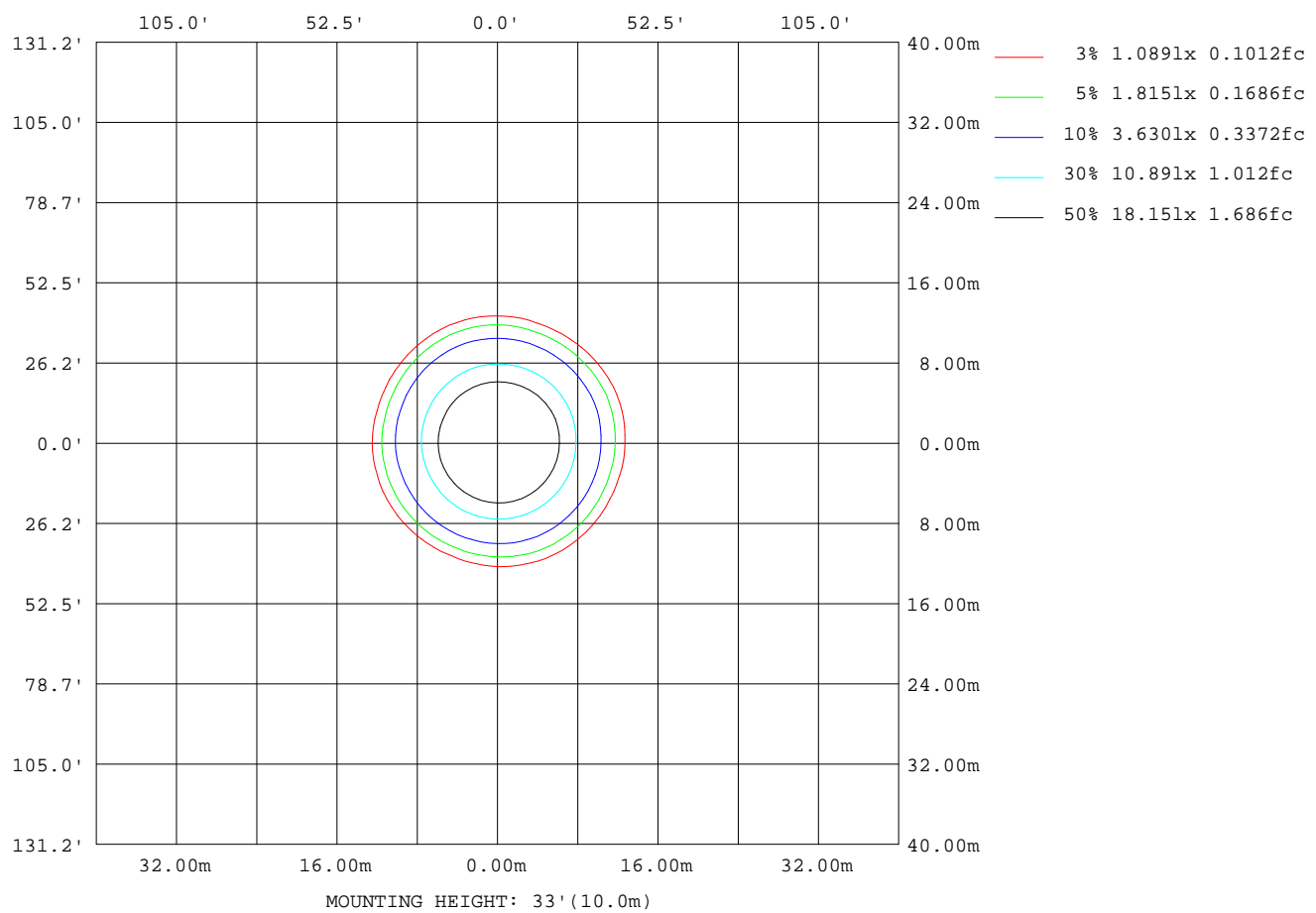
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-06-23

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=1.3233]
 Remarks:

ISOLUX DIAGRAM

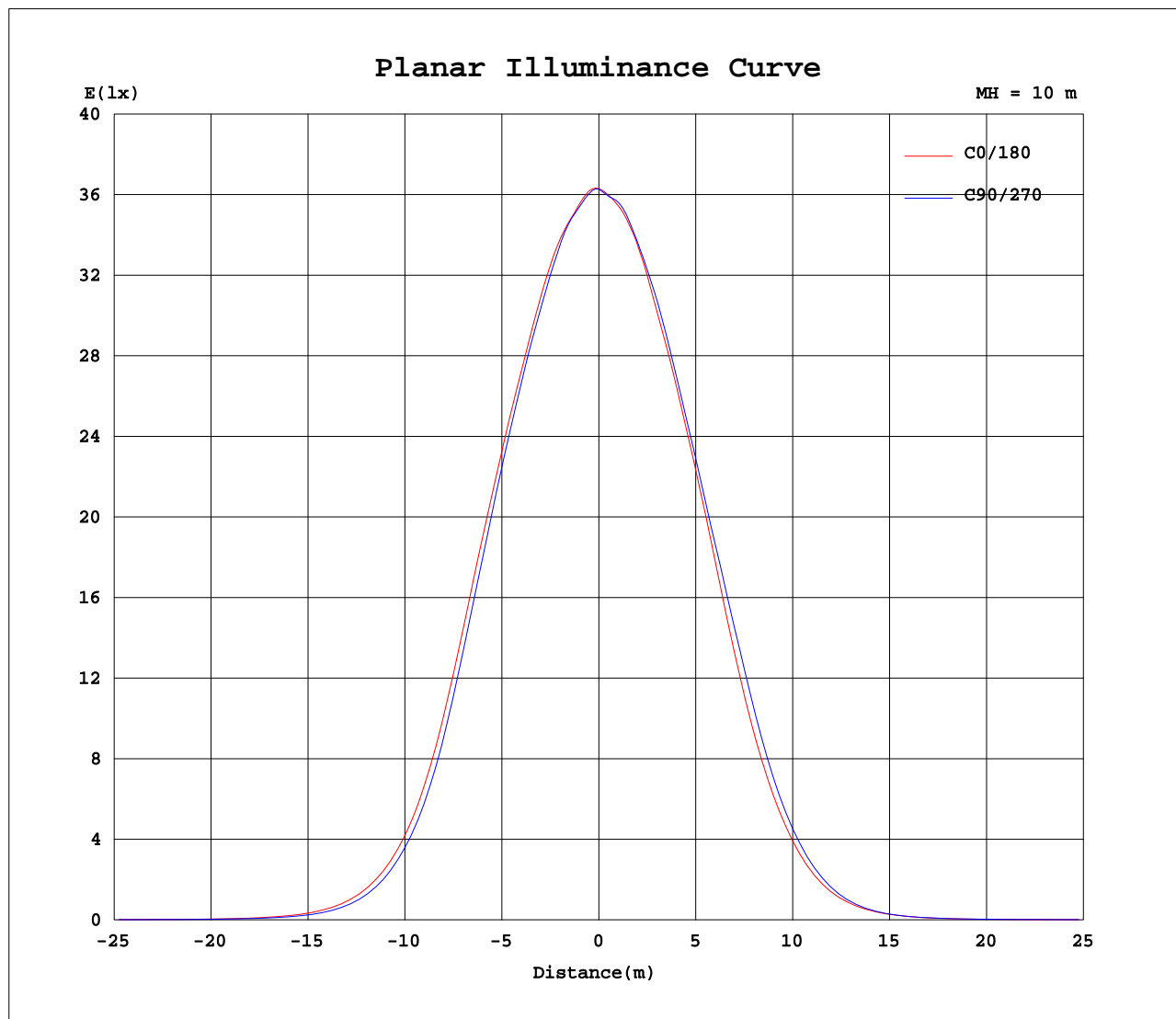
Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-06-23

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=1.3233]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Seth
Test Date: 2016-06-23

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=1.3233]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.2544A P:56.22W PF:0.9602 Freq:50.01Hz Lamp Flux:5607.72x1 lm																	
NAME: LED Bulb									TYPE:N/A						WEIGHT:N/A		
SPEC.:N/A									DIM.:						SERIAL No.:N/A		
MFR.: Benory Industrial 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	3630	3631	3632	3629	3628	3626	3627	3628	3630	3631	3632	3629	3628	3626	3627	3628			
5	3613	3606	3612	3607	3598	3602	3608	3592	3600	3610	3614	3612	3614	3611	3621	3635			
10	3587	3599	3595	3586	3572	3546	3563	3536	3570	3561	3557	3565	3583	3603	3588	3606			
15	3548	3534	3544	3528	3487	3473	3468	3459	3479	3487	3492	3507	3523	3549	3543	3559			
20	3446	3445	3443	3419	3382	3365	3337	3332	3363	3358	3383	3406	3425	3447	3468	3486			
25	3312	3296	3276	3254	3212	3182	3162	3156	3191	3191	3221	3250	3262	3287	3319	3350			
30	3073	3041	3003	2970	2920	2891	2869	2878	2907	2911	2976	3002	3017	3047	3101	3115			
35	2623	2578	2530	2478	2421	2391	2378	2368	2411	2449	2536	2610	2635	2672	2719	2712			
40	1923	1874	1821	1758	1701	1682	1668	1675	1773	1847	1909	1989	2014	2050	2051	2032			
45	1186	1132	1098	1065	1015	981	992	1024	1109	1143	1217	1269	1281	1275	1261	1277			
50	613	562	555	536	493	454	483	518	544	542	588	635	635	604	629	660			
55	256	235	231	217	193	171	190	209	216	208	215	225	230	230	252	274			
60	98.9	95.8	89.4	83.7	73.4	65.1	67.7	70.8	72.6	69.6	68.1	72.1	76.7	87.5	98.2	102			
65	45.2	44.4	41.4	39.2	36.6	32.5	33.5	33.4	33.4	34.0	37.1	38.5	38.5	41.8	47.7	46.7			
70	33.0	32.0	31.8	31.5	27.9	26.0	26.5	26.6	25.1	26.6	29.1	31.5	31.6	32.0	33.7	35.0			
75	27.1	26.6	25.8	25.2	21.9	20.0	21.1	21.1	19.6	20.7	23.2	25.7	25.3	26.4	27.7	28.7			
80	21.0	20.1	20.0	19.8	16.9	14.6	16.4	16.9	15.2	15.1	18.4	20.9	20.4	20.7	22.0	22.5			
85	16.0	14.6	14.9	15.3	12.6	10.5	12.2	13.0	11.3	11.1	14.1	16.4	16.2	15.9	16.9	17.6			
90	13.0	12.4	12.3	13.4	10.8	9.56	11.6	13.5	9.89	9.70	10.9	12.1	12.3	12.5	12.9	13.1			
95	7.18	6.73	6.52	8.88	5.78	4.59	5.79	6.50	4.95	4.57	5.30	7.98	7.19	7.29	6.63	10.2			
100	7.14	5.78	9.96	10.6	4.57	3.39	5.37	6.43	1.99	2.39	2.39	7.46	2.58	2.99	4.78	8.79			
105	7.71	5.32	8.19	9.11	4.85	2.06	2.86	4.72	1.93	1.79	2.06	4.80	3.72	3.82	5.23	9.78			
110	3.20	1.86	2.88	2.86	1.80	1.33	1.40	2.13	1.93	1.59	1.73	4.10	2.58	1.86	3.65	5.63			
115	1.53	1.39	1.73	1.73	1.06	1.13	1.13	1.53	1.99	1.92	1.66	2.46	1.86	1.73	2.46	3.00			
120	1.53	1.13	1.40	1.27	1.00	1.00	0.86	1.33	2.53	2.33	2.13	2.53	2.26	2.06	2.52	3.00			
125	1.33	1.06	1.26	1.20	1.00	1.00	0.86	1.20	3.39	3.25	3.13	3.06	3.05	2.86	3.12	3.40			
130	1.33	1.13	1.26	1.26	1.13	1.13	1.26	1.26	4.52	4.46	4.33	4.20	4.05	4.05	4.19	4.19			
135	1.86	2.05	1.99	2.06	2.06	2.06	2.12	2.13	5.85	5.65	5.52	5.52	5.31	5.31	5.32	5.33			
140	3.05	3.25	3.32	3.39	3.45	3.44	3.57	3.59	7.11	6.97	6.92	6.79	6.64	6.57	6.52	6.53			
145	4.64	4.64	4.98	5.11	5.10	5.10	5.18	5.19	8.44	8.31	8.31	8.13	8.03	7.97	7.84	7.80			
150	6.04	6.17	6.18	6.32	6.37	6.43	6.51	6.45	9.70	9.50	9.45	9.38	9.23	9.17	9.11	9.05			
155	6.51	6.43	6.58	6.72	6.76	6.90	6.98	6.92	10.4	10.4	10.4	10.3	10.2	10.2	10.0	10.1			
160	6.91	6.84	6.92	7.05	7.23	7.17	7.24	7.39	10.6	10.6	10.6	10.6	10.4	10.4	10.4	10.3			
165	7.63	7.56	7.58	7.64	7.68	7.70	7.64	7.79	10.7	10.6	10.6	10.6	10.5	10.5	10.4	10.5			
170	10.3	10.3	10.2	10.3	10.3	10.4	10.5	10.4	11.0	11.0	10.9	11.0	10.9	10.9	10.8	10.9			
175	11.6	11.5	11.6	11.6	11.6	11.6	11.7	11.7	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.5			
180	11.5	11.5	11.4	11.5	11.5	11.5	11.6	11.6	11.5	11.6	11.5	11.5	11.5	11.5	11.6	11.6			

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