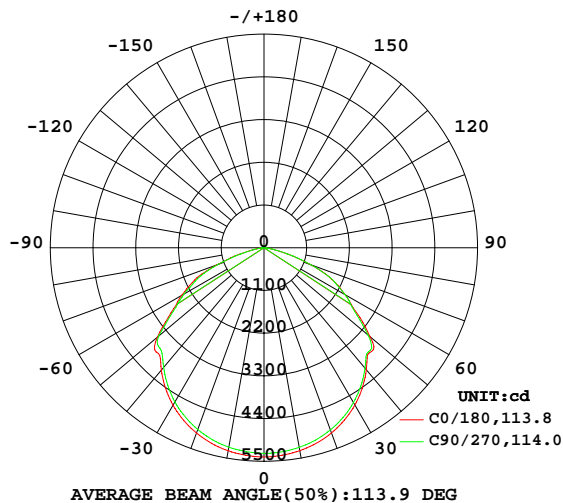


LUMINAIRE PHOTOMETRIC TEST REPORT

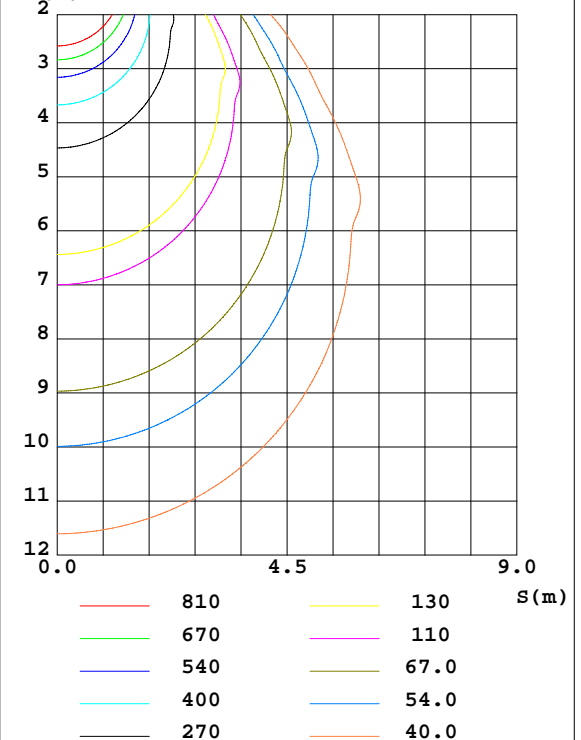
Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm					
NAME: UHB1010-100W-5K		TYPE:		WEIGHT:	
SPEC.: 230*230		DIM.:		SERIAL No.: 20200608011	
MFR.:		SUR.: 230*230		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.76 lm/W			
MODEL	UHB1010-100W-5K	I _{max} (cd)	5388	S/MH(C0/180)	1.29
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	15323	η UP,DN(C0-180)	0.7,49.4
NOMINAL FLUX(lm)	15323.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.2
LAMPS INSIDE	1	η up(%)	1.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	98.6	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

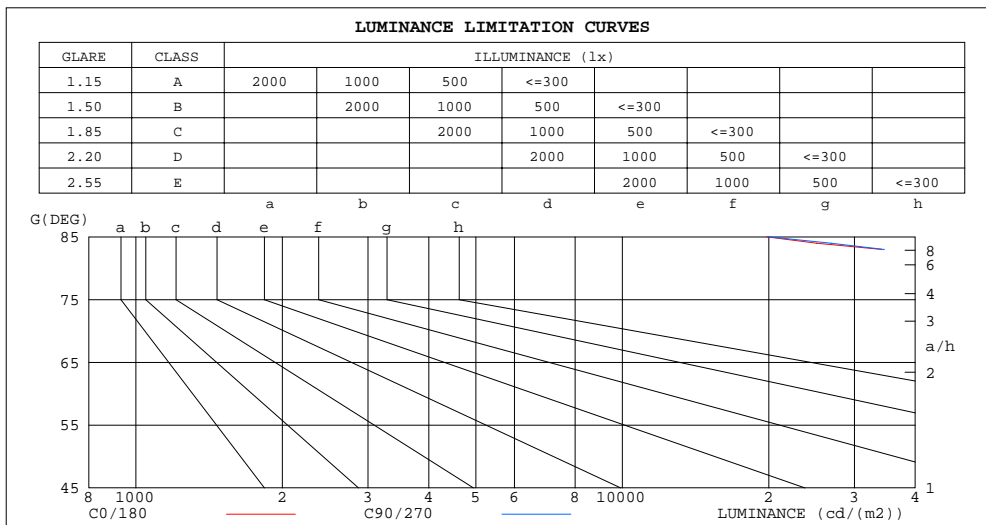
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	5305	5252	5219	5196	5308	5247	5214	5192	0- 10	503.1	503.1	3.28,3.28
20	5077	5025	4994	4969	5079	5018	4981	4966	10- 20	1451	1954	12.8,12.8
30	4678	4633	4606	4583	4682	4620	4586	4577	20- 30	2227	4181	27.3,27.3
40	4099	4069	4047	4026	4111	4055	4021	4012	30- 40	2722	6903	45,45
50	3565	3508	3496	3491	3581	3512	3535	3464	40- 50	2947	9850	64.3,64.3
60	2405	2441	2404	2393	2444	2406	2376	2364	50- 60	2595	12445	81.2,81.2
70	1272	1277	1281	1267	1297	1270	1278	1246	60- 70	1867	14313	93.4,93.4
80	223.2	213.5	223.0	225.6	245.3	241.7	243.8	234.0	70- 80	706.4	15019	98,98
90	24.89	24.60	24.47	24.37	26.50	26.23	26.13	25.99	80- 90	87.52	15107	98.6,98.6
100	25.95	25.62	25.52	25.39	27.66	27.37	27.27	27.12	90-100	28.13	15135	98.8,98.8
110	40.68	34.77	36.74	38.46	41.30	40.49	40.66	40.94	100-110	33.39	15168	99,99
120	33.34	33.56	33.04	34.93	37.50	37.10	34.81	36.50	110-120	37.87	15206	99.2,99.2
130	33.79	33.29	33.07	33.03	36.84	36.28	35.56	35.31	120-130	30.30	15236	99.4,99.4
140	36.62	36.07	35.79	35.89	39.48	38.93	37.99	37.53	130-140	27.74	15264	99.6,99.6
150	39.64	39.05	39.07	39.07	41.78	40.93	40.25	39.64	140-150	24.17	15288	99.8,99.8
160	42.26	42.03	41.96	41.96	42.71	42.17	41.62	41.24	150-160	18.96	15307	99.9,99.9
170	43.92	43.82	43.78	43.79	42.89	42.37	41.93	41.73	160-170	12.05	15319	100,100
180	43.45	43.14	43.15	43.00	43.68	43.33	43.25	43.09	170-180	4.113	15323	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	19798	19977
80	50412	50350
75	95870	96200
70	145876	146918
65	178488	180883
60	188592	188559
55	198468	194608
50	217484	213317
45	212382	210535

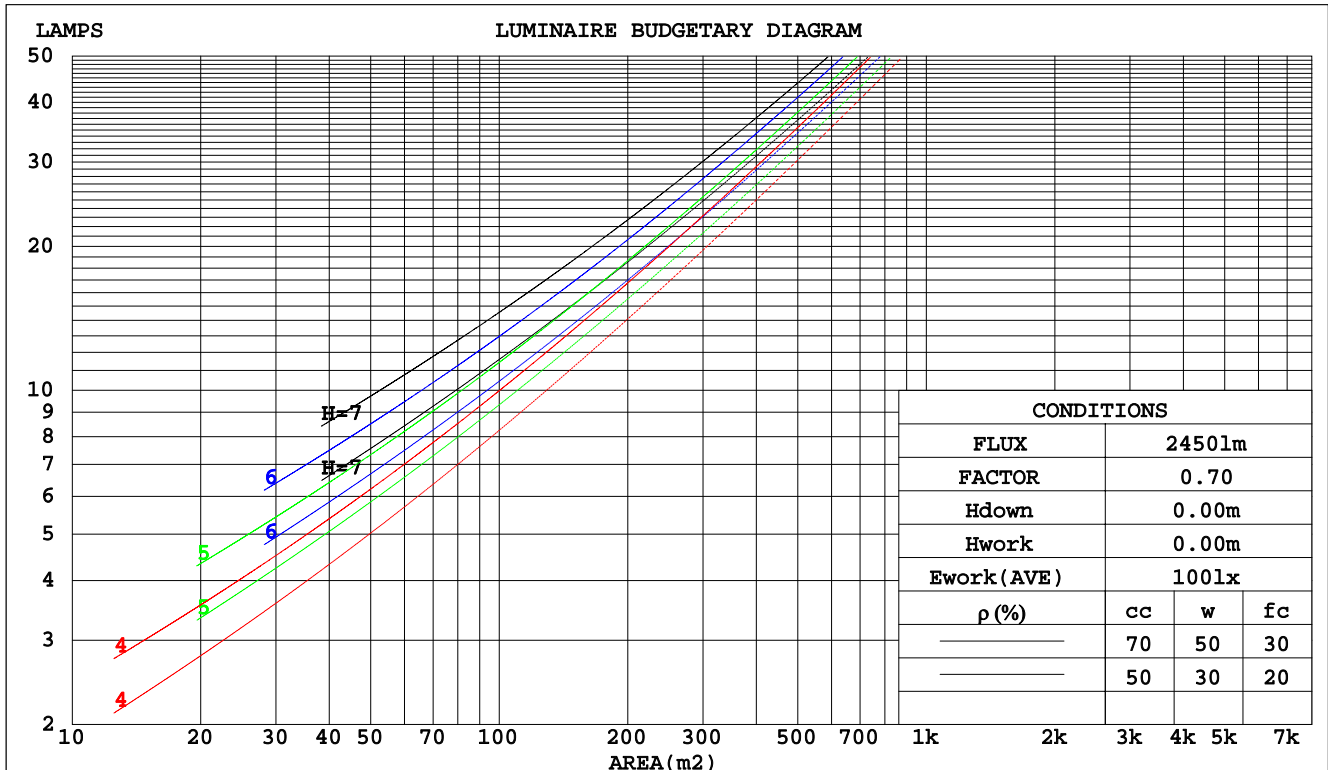
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 08 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:

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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.05	1.01	.97	1.02	.99	.96	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.78	.75	.79	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.64	.73	.68	.63	.70	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.67	.60	.55	.65	.59	.54	.63	.57	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:08 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:

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	.286	.162	.051	.278	.159	.050	.264	.152	.048	.251	.145	.047	.240	.139	.045		
2.0	.276	.151	.046	.270	.149	.046	.258	.143	.044	.246	.138	.043	.236	.133	.042		
3.0	.260	.138	.041	.254	.136	.041	.243	.132	.040	.233	.128	.039	.223	.124	.038		
4.0	.242	.126	.037	.237	.124	.037	.227	.120	.036	.218	.117	.035	.210	.114	.035		
5.0	.225	.115	.033	.221	.113	.033	.212	.110	.032	.204	.108	.032	.196	.105	.032		
6.0	.210	.105	.030	.206	.104	.030	.198	.101	.030	.191	.099	.029	.184	.097	.029		
7.0	.196	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026		
8.0	.184	.090	.025	.180	.089	.025	.174	.087	.025	.168	.085	.025	.163	.083	.024		
9.0	.172	.083	.023	.169	.083	.023	.164	.081	.023	.158	.079	.023	.153	.078	.023		
10.0	.162	.078	.022	.160	.077	.021	.154	.076	.021	.150	.074	.021	.145	.073	.021		

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	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.190	.167	.147	.162	.144	.127	.111	.099	.088	.064	.057	.051	.020	.018	.016	
2.0	.181	.143	.111	.155	.123	.096	.106	.085	.067	.061	.050	.039	.020	.016	.013	
3.0	.173	.125	.087	.149	.108	.075	.102	.075	.053	.059	.044	.031	.019	.014	.010	
4.0	.166	.112	.070	.143	.097	.061	.098	.067	.043	.057	.039	.025	.018	.013	.008	
5.0	.159	.101	.059	.137	.088	.051	.094	.061	.036	.054	.036	.022	.018	.012	.007	
6.0	.152	.093	.051	.131	.081	.044	.090	.056	.031	.052	.033	.019	.017	.011	.006	
7.0	.145	.086	.045	.125	.075	.039	.086	.052	.028	.050	.031	.016	.016	.010	.005	
8.0	.139	.080	.040	.120	.070	.035	.083	.049	.025	.048	.029	.015	.016	.009	.005	
9.0	.133	.076	.037	.115	.066	.032	.080	.046	.023	.046	.027	.014	.015	.009	.004	
10.0	.128	.071	.034	.110	.062	.029	.076	.044	.021	.045	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm											
NAME: UHB1010-100W-5K					TYPE:			WEIGHT:			
SPEC.: 230*230					DIM.:			SERIAL No.: 20200608011			
MFR.:					SUR.: 230*230			Shielding Angle:			
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	2H	30.6	32.2	31.0	32.6	32.9	30.5	32.1	30.9	32.5	32.8
	3H	32.2	33.6	32.6	34.0	34.4	32.1	33.5	32.5	33.9	34.3
	4H	32.5	33.8	32.9	34.2	34.6	32.4	33.7	32.8	34.1	34.5
	6H	32.5	33.8	33.0	34.2	34.6	32.5	33.7	32.9	34.1	34.5
	8H	32.5	33.7	33.0	34.1	34.6	32.4	33.6	32.9	34.0	34.5
	12H	32.5	33.6	33.0	34.0	34.5	32.4	33.6	32.9	34.0	34.4
4H	2H	31.3	32.6	31.7	33.0	33.4	31.2	32.5	31.6	32.9	33.3
	3H	32.9	34.0	33.3	34.4	34.9	32.8	33.9	33.3	34.4	34.8
	4H	33.2	34.2	33.7	34.7	35.2	33.2	34.2	33.6	34.6	35.1
	6H	33.3	34.2	33.8	34.7	35.2	33.3	34.1	33.8	34.6	35.1
	8H	33.3	34.2	33.8	34.6	35.1	33.3	34.1	33.8	34.6	35.1
	12H	33.3	34.1	33.8	34.6	35.1	33.3	34.0	33.8	34.5	35.0
8H	4H	33.3	34.1	33.8	34.6	35.1	33.3	34.1	33.8	34.5	35.0
	6H	33.5	34.1	34.0	34.6	35.1	33.4	34.1	33.9	34.6	35.1
	8H	33.5	34.1	34.0	34.6	35.1	33.4	34.0	33.9	34.5	35.0
	12H	33.5	34.0	34.0	34.5	35.1	33.4	33.9	33.9	34.4	35.0
12H	4H	33.3	34.0	33.8	34.5	35.0	33.3	34.0	33.8	34.5	35.0
	6H	33.4	34.0	34.0	34.5	35.1	33.4	34.0	33.9	34.5	35.0
	8H	33.5	34.0	34.0	34.5	35.1	33.4	33.9	33.9	34.4	35.0
CIE190: 2010											

CIE190: 2010
Area: 0.0255 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:

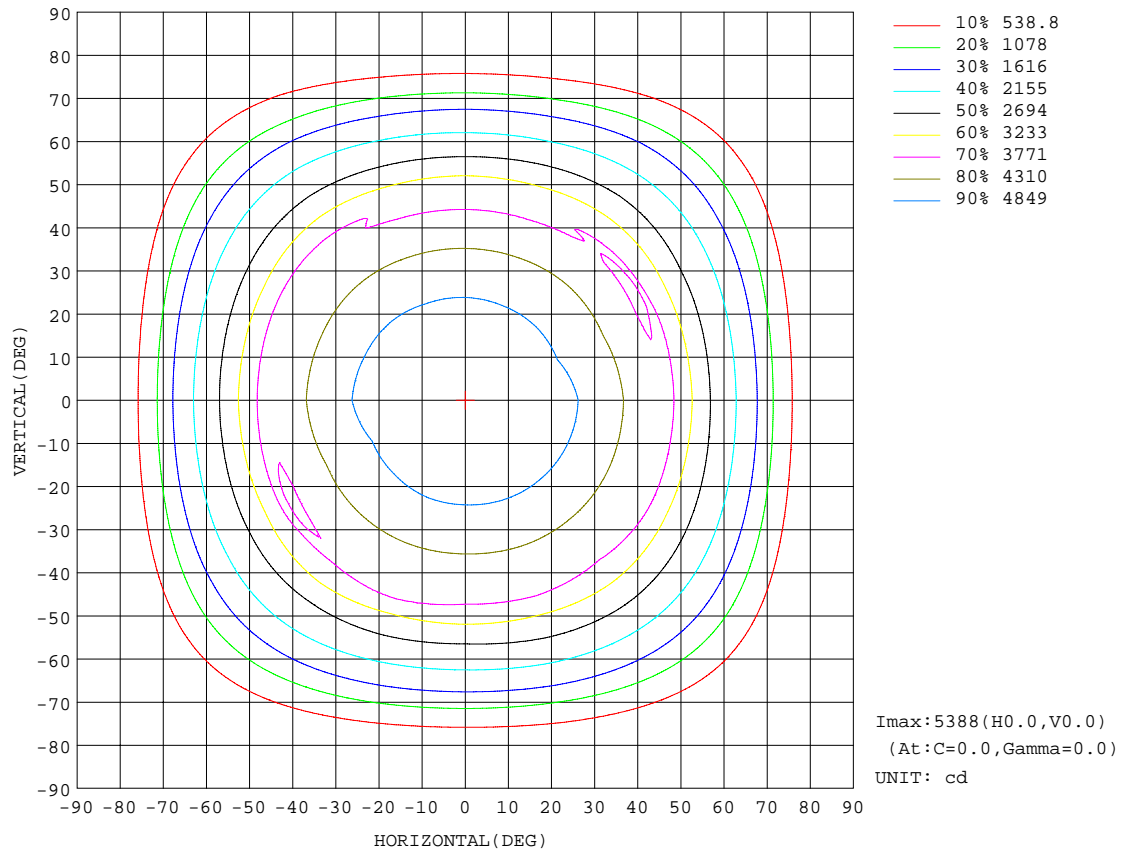
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	77	66	58	75	65	58	73	66	58	50
1.25	84	74	67	82	73	66	80	71	65	58
1.50	89	79	73	87	78	72	84	76	71	63
2.00	96	88	81	94	86	81	90	84	79	71
2.50	100	92	86	98	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	86
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:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:

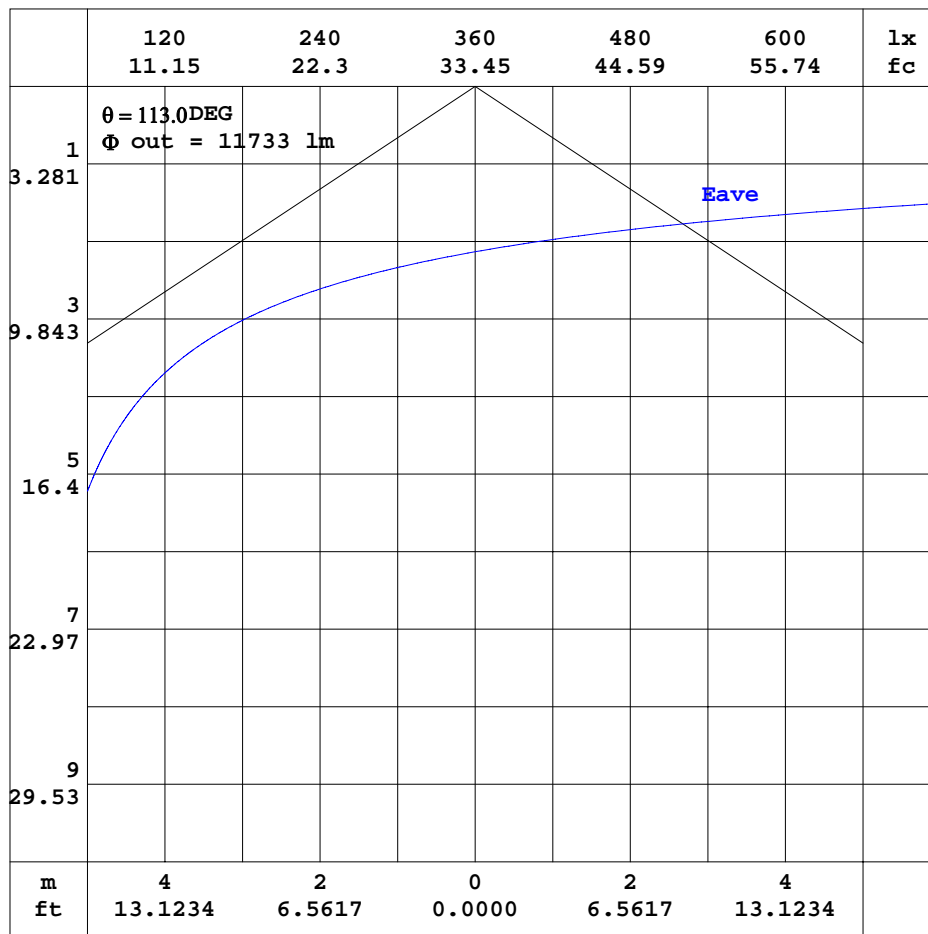


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:



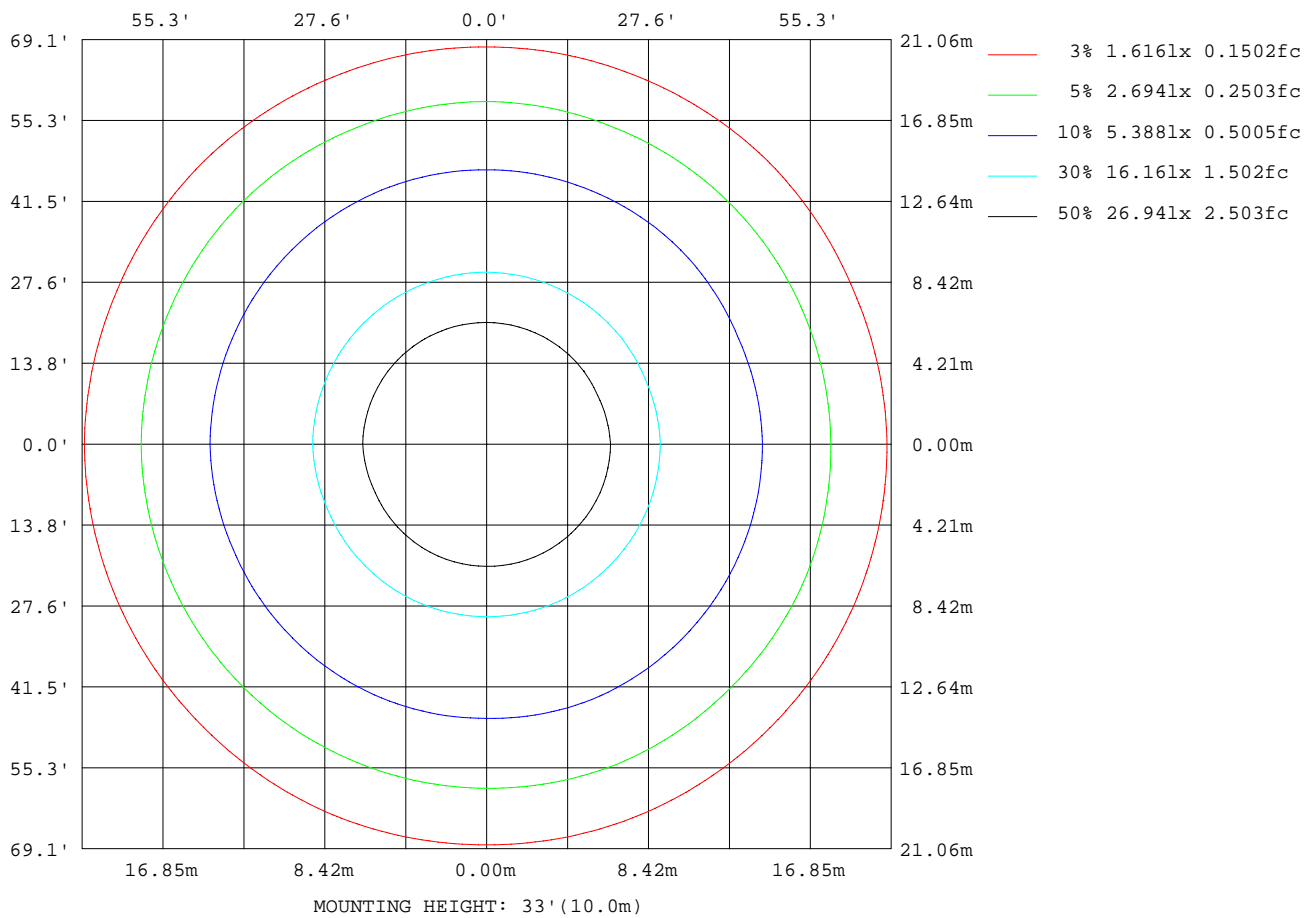
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 08 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 08 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:

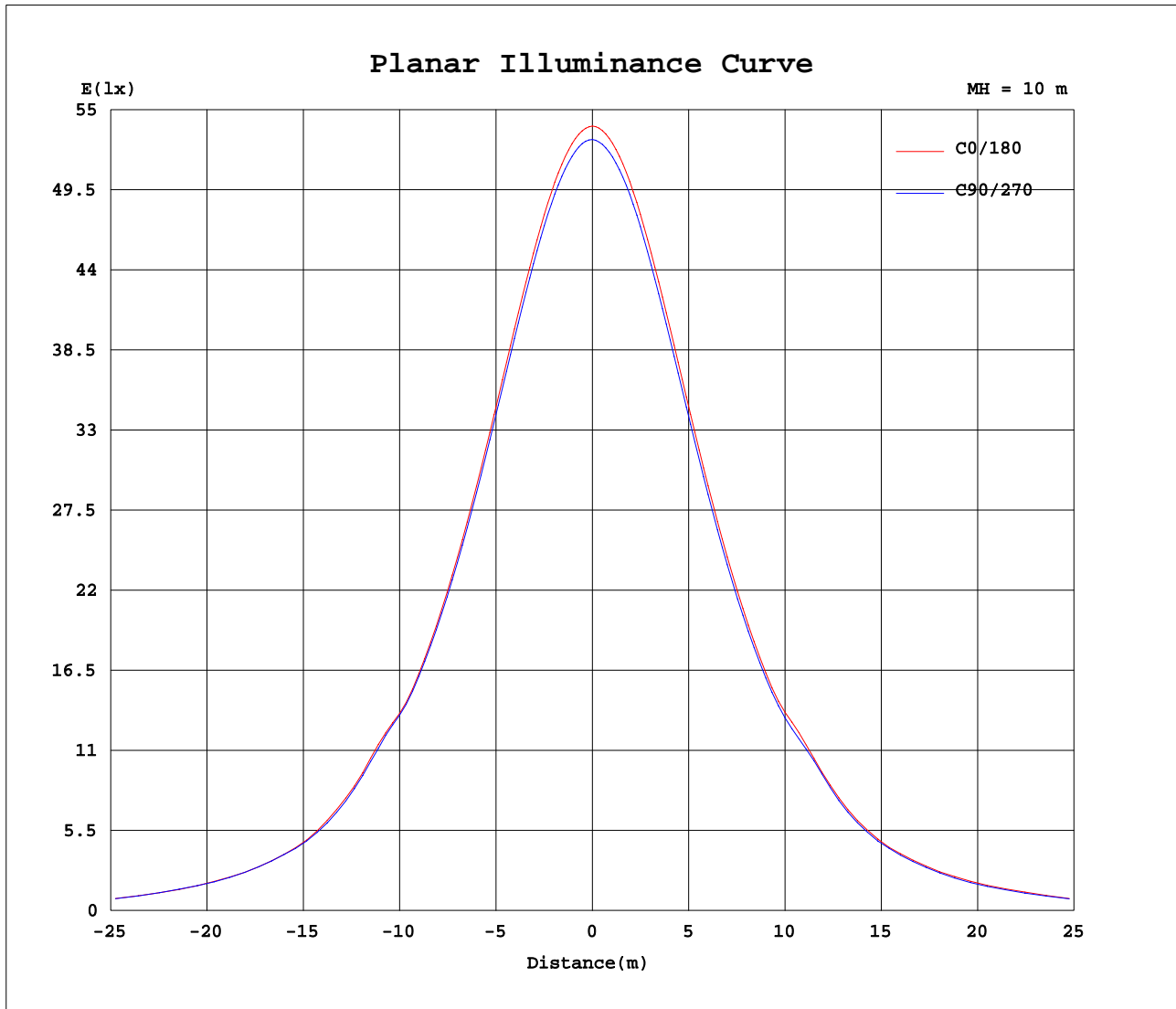
AvgL	cd/m2
L_0~180(65)av	180927
L_0~180(75)av	97281
L_0~180(85)av	20563
L_90~270(65)av	178229
L_90~270(75)av	95436
L_90~270(85)av	20014
L_45(65)av	179352
L_45(75)av	95957
L_45(85)av	20458

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 08 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 7.550m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.13V I:0.8327A P:99.660W PF:0.9964 Freq:59.98Hz Lamp Flux:15323.4x1 lm		
NAME: UHB1010-100W-5K	TYPE:	WEIGHT:
SPEC.: 230*230	DIM.:	SERIAL No.: 20200608011
MFR.:	SUR.: 230*230	Shielding Angle:

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	5388	5356	5332	5311	5295	5283	5274	5266	5388	5356	5332	5311	5295	5283	5274	5266			
5	5364	5334	5309	5292	5275	5264	5252	5244	5364	5329	5304	5284	5269	5256	5247	5239			
10	5305	5278	5252	5237	5219	5208	5196	5189	5308	5273	5247	5227	5214	5200	5192	5183			
15	5211	5185	5158	5145	5128	5116	5102	5097	5212	5177	5153	5131	5119	5106	5099	5090			
20	5077	5049	5025	5010	4994	4987	4969	4966	5079	5041	5018	4993	4981	4969	4966	4957			
25	4898	4875	4852	4835	4821	4815	4798	4792	4900	4863	4843	4813	4805	4792	4793	4784			
30	4678	4658	4633	4624	4606	4600	4583	4575	4682	4643	4620	4596	4586	4575	4577	4567			
35	4411	4397	4372	4365	4347	4340	4325	4318	4419	4377	4357	4332	4321	4310	4314	4308			
40	4099	4085	4069	4065	4047	4043	4026	4019	4111	4072	4055	4026	4021	4005	4012	4005			
45	3830	3840	3821	3780	3796	3791	3788	3728	3851	3820	3796	3746	3744	3748	3776	3735			
50	3565	3509	3508	3480	3496	3479	3491	3492	3581	3506	3512	3541	3535	3472	3464	3500			
55	2903	2899	2899	2911	2846	2865	2854	2855	2926	2889	2878	2872	2852	2849	2861	2812			
60	2405	2454	2441	2438	2404	2398	2393	2417	2444	2416	2406	2367	2376	2343	2364	2376			
65	1924	1947	1951	1965	1949	1973	1935	1958	1976	1935	1929	1909	1892	1890	1917	1896			
70	1272	1297	1277	1322	1281	1283	1267	1270	1297	1259	1270	1262	1278	1223	1246	1239			
75	633	631	639	647	635	640	626	626	651	636	656	635	625	602	612	614			
80	223	232	214	228	223	237	226	241	245	235	242	233	244	224	234	220			
85	44.0	45.9	44.6	46.0	44.4	44.9	45.3	45.5	47.4	45.4	45.7	44.9	44.6	44.4	46.2	44.0			
90	24.9	24.8	24.6	24.6	24.5	24.4	24.4	24.3	26.5	26.3	26.2	26.1	26.1	26.1	26.0	25.9			
95	25.2	25.2	24.9	24.9	24.8	24.8	24.7	24.6	26.9	26.7	26.7	26.5	26.6	26.5	26.4	26.3			
100	26.0	25.9	25.6	25.6	25.5	25.5	25.4	25.3	27.7	27.4	27.4	27.2	27.3	27.2	27.1	27.0			
105	31.3	29.5	27.7	28.2	30.1	28.9	29.0	27.9	31.5	31.2	31.3	30.0	31.8	30.8	31.4	30.1			
110	40.7	35.6	34.8	36.7	36.7	36.3	38.5	39.2	41.3	40.2	40.5	39.9	40.7	38.9	40.9	42.3			
115	39.6	34.0	36.0	37.8	36.7	37.2	40.1	40.2	42.1	40.6	40.1	40.5	39.6	40.2	41.8	42.6			
120	33.3	33.3	33.6	34.4	33.0	33.4	34.9	35.4	37.5	36.2	37.1	37.3	34.8	35.2	36.5	36.3			
125	32.5	32.4	32.1	32.2	32.0	31.9	31.8	31.9	35.4	35.0	34.9	34.6	34.3	34.0	34.1	34.0			
130	33.8	33.6	33.3	33.2	33.1	33.1	33.0	33.0	36.8	36.4	36.3	35.9	35.6	35.3	35.3	35.3			
135	35.1	35.0	34.7	34.6	34.3	34.5	34.4	34.3	38.3	37.9	37.6	37.1	36.8	36.5	36.4	36.3			
140	36.6	36.4	36.1	36.0	35.8	36.0	35.9	35.8	39.5	39.0	38.9	38.3	38.0	37.6	37.5	37.4			
145	38.2	38.0	37.6	37.6	37.4	37.5	37.5	37.4	40.7	40.2	40.0	39.5	39.1	38.7	38.6	38.5			
150	39.6	39.6	39.1	39.0	39.1	39.1	39.1	39.0	41.8	41.3	40.9	40.7	40.3	39.8	39.6	39.6			
155	41.1	41.1	40.7	40.7	40.6	40.6	40.6	40.6	42.6	42.1	41.9	41.6	41.3	40.8	40.7	40.7			
160	42.3	42.4	42.0	42.1	42.0	42.0	42.0	41.9	42.7	42.3	42.2	41.6	41.6	41.3	41.2	41.1			
165	43.6	43.6	43.3	43.4	43.3	43.4	43.2	43.1	42.8	42.4	42.3	41.8	41.8	41.6	41.5	41.4			
170	43.9	44.2	43.8	43.9	43.8	44.0	43.8	43.7	42.9	42.4	42.4	42.0	41.9	41.7	41.7	41.6			
175	43.8	44.1	43.8	43.8	43.7	43.7	43.6	43.5	43.2	42.8	42.7	42.4	42.3	42.1	42.1	42.0			
180	43.5	43.5	43.1	43.4	43.1	43.2	43.0	43.0	43.7	43.3	43.3	43.2	43.3	43.1	43.1	42.9			

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