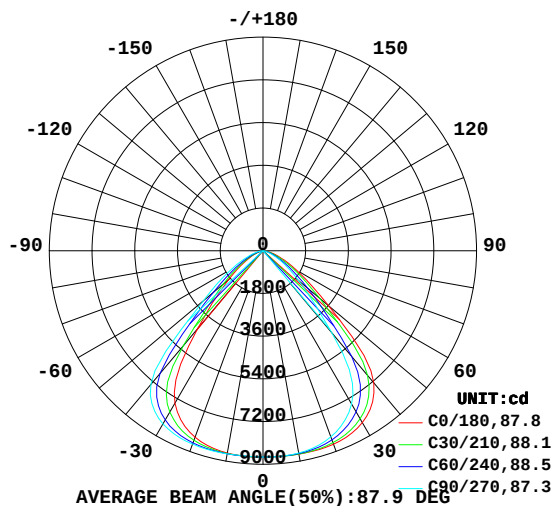


LUMINAIRE PHOTOMETRIC TEST REPORT

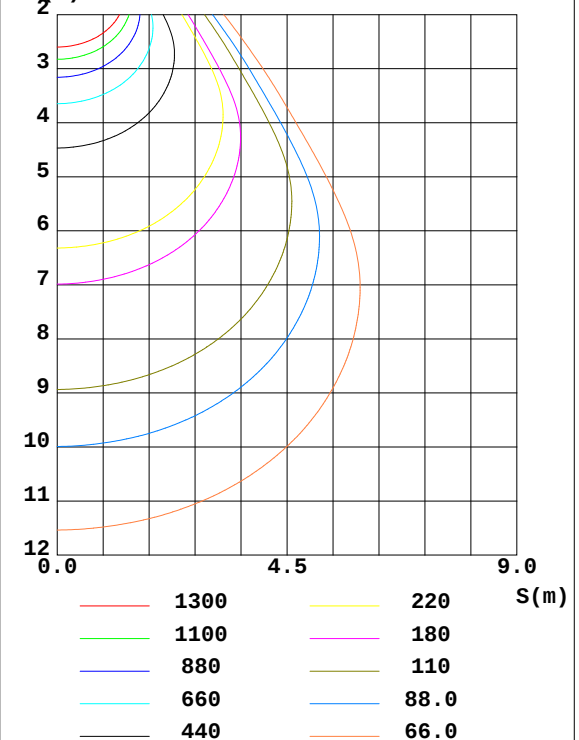
Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE:LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.64 lm/W			
MODEL: ABL150W-0658-MOMP-P09-00B		I _{max} (cd)	8712	S/MH(C0/180)	1.15
NOMINAL POWER(W)	150W	LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	220V	TOTAL FLUX(lm)	17684	η UP, DN(C0-180)	0.4, 47.1
NOMINAL FLUX(lm)	17683.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.4, 52.2
LAMPS INSIDE	1	η up(%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220v	η down(%)	99.2	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2019-02-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.320m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

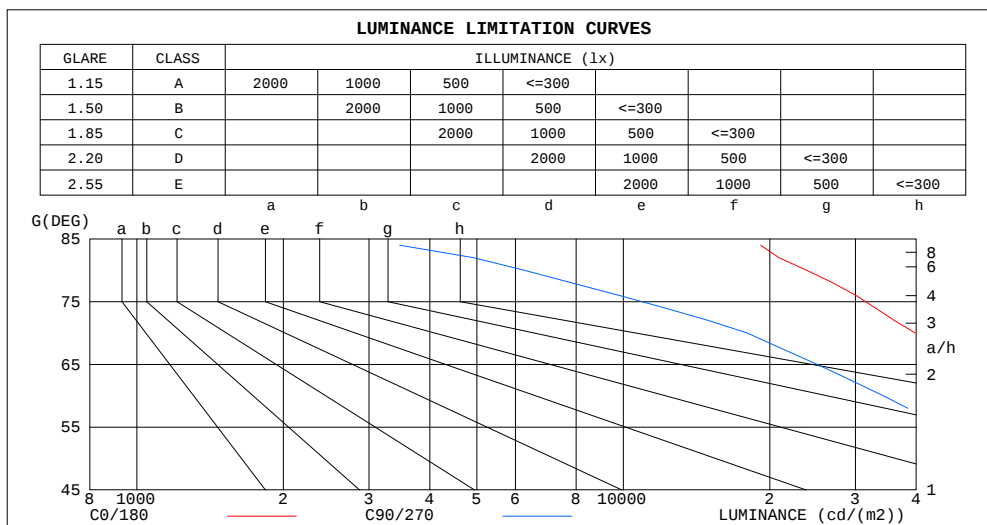
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8701	8690	8656	8641	8657	8681	8690	8685	0- 10	828.9	828.9	4.69, 4.69
20	8675	8546	8350	8258	8362	8559	8672	8695	10- 20	2440	3269	18.5, 18.5
30	8364	8011	7461	7152	7417	8041	8429	8465	20- 30	3819	7088	40.1, 40.1
40	7261	6336	4504	3966	4284	5977	7345	7459	30- 40	4433	11522	65.2, 65.2
50	3624	2814	1969	1809	1886	2460	3281	3998	40- 50	3259	14781	83.6, 83.6
60	1625	1229	874.4	751.5	797.4	1046	1485	1760	50- 60	1667	16448	93, 93
70	687.2	481.2	314.2	247.5	266.9	379.7	589.1	702.5	60- 70	773.4	17221	97.4, 97.4
80	208.6	118.9	55.47	37.78	40.40	76.34	155.4	206.1	70- 80	273.4	17494	98.9, 98.9
90	24.39	7.346	2.216	2.573	2.651	2.167	12.12	24.67	80- 90	50.78	17545	99.2, 99.2
100	2.727	3.696	5.150	6.076	6.212	4.646	3.175	2.685	90-100	4.576	17550	99.2, 99.2
110	6.394	8.508	11.55	12.88	12.97	10.28	7.280	6.348	100-110	7.007	17557	99.3, 99.3
120	12.92	16.66	20.90	22.46	22.54	18.89	14.51	12.58	110-120	13.22	17570	99.4, 99.4
130	22.36	26.73	31.04	32.63	32.76	28.90	24.11	21.61	120-130	20.15	17590	99.5, 99.5
140	32.02	35.79	39.58	41.01	40.86	37.52	33.51	31.53	130-140	24.80	17615	99.6, 99.6
150	39.94	43.06	46.63	48.05	47.46	44.27	40.83	39.51	140-150	25.12	17640	99.8, 99.8
160	47.89	51.43	54.78	55.68	55.31	52.68	49.20	47.75	150-160	21.96	17662	99.9, 99.9
170	57.06	59.29	61.11	61.02	60.82	59.72	57.88	56.63	160-170	15.70	17678	100, 100
180	62.15	62.58	62.52	62.17	62.88	62.45	62.51	62.25	170-180	5.785	17684	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Admin
 Test Date: 2019-02-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.320m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE: LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	22986	4161
80	23797	6248
75	35105	12960
70	39799	17969
65	55725	27685
60	64371	34209
55	90004	49228
50	111696	59923
45	171807	88461

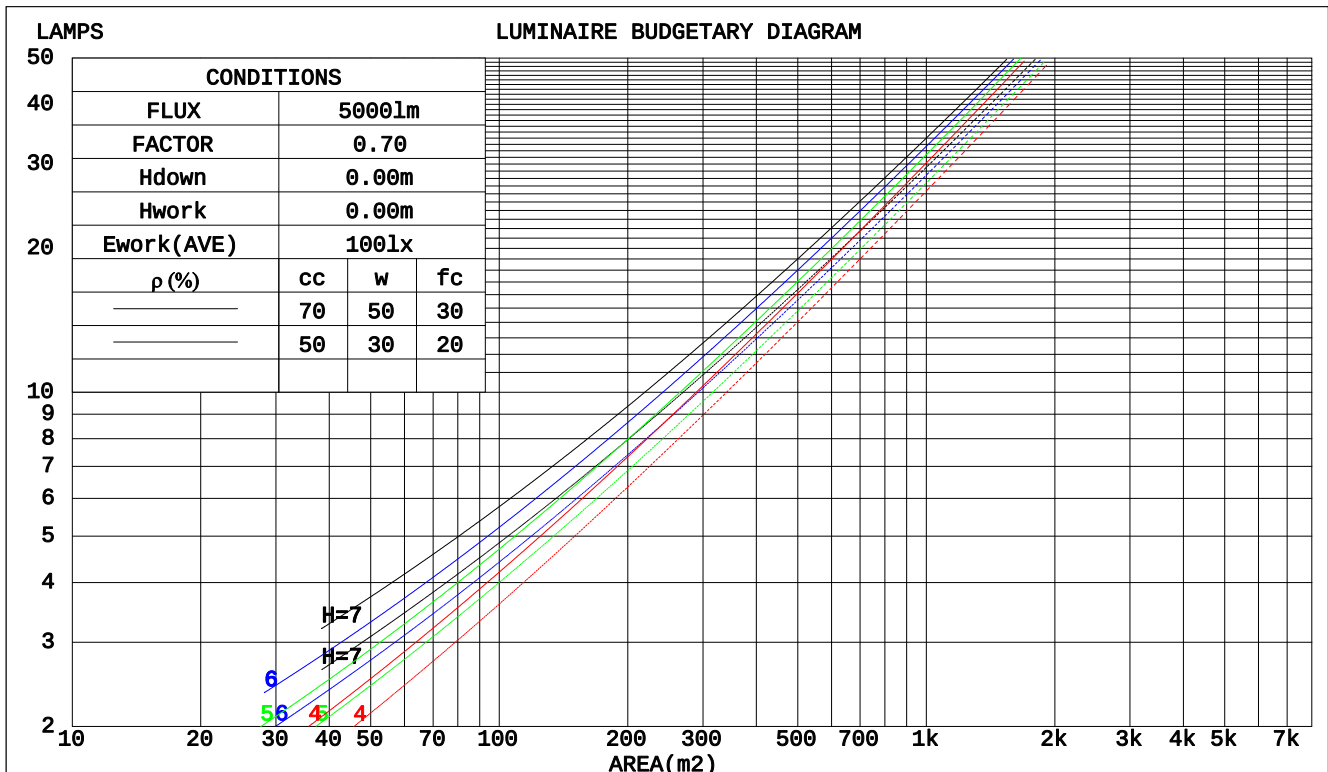
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Admin
Test Date:2019-02-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.320m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE:LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120

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						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	1.01	1.01	1.01	.99
1.0	1.08	1.04	1.02	1.05	1.02	.90	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.88	.85	.82	.85	.83	.80	.78
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.76	.70	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.57	.65	.60	.57	.55
6.0	.66	.58	.53	.65	.58	.52	.63	.57	.52	.62	.56	.51	.60	.55	.51	.49
7.0	.60	.53	.47	.60	.52	.47	.58	.52	.47	.57	.51	.46	.55	.50	.46	.44
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.37
10.0	.48	.40	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Admin
Test Date:2019-02-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.320m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm					
NAME: ABL150W-0658-MOMP-P09-00B			TYPE:LED		WEIGHT:4.02
SPEC.:65008090			DIM.: 342*342*157		SERIAL No.:001
MFR.:			SUR.:0.215*0.215*3.14		Shielding Angle:120

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	.233	.133	.042	.226	.129	.041	.213	.122	.039	.201	.116	.037	.189	.110	.035		
2.0	.227	.124	.038	.221	.122	.037	.209	.116	.036	.199	.111	.035	.189	.107	.034		
3.0	.216	.115	.034	.211	.113	.034	.201	.109	.033	.191	.105	.032	.183	.101	.031		
4.0	.205	.106	.031	.200	.105	.031	.191	.101	.030	.183	.098	.030	.175	.095	.029		
5.0	.193	.099	.029	.189	.097	.028	.181	.094	.028	.174	.092	.027	.167	.089	.027		
6.0	.183	.092	.026	.179	.090	.026	.172	.088	.026	.165	.086	.025	.159	.084	.025		
7.0	.173	.085	.024	.170	.084	.024	.163	.083	.024	.157	.081	.023	.152	.079	.023		
8.0	.164	.080	.022	.161	.079	.022	.155	.077	.022	.150	.076	.022	.145	.074	.022		
9.0	.155	.075	.021	.153	.074	.021	.148	.073	.021	.143	.072	.020	.138	.070	.020		
10.0	.148	.071	.020	.145	.070	.020	.140	.069	.019	.136	.068	.019	.132	.066	.019		

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	.196	.196	.196	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.181	.163	.146	.155	.140	.126	.106	.096	.087	.061	.056	.051	.020	.018	.016	
2.0	.170	.138	.112	.145	.119	.097	.100	.082	.067	.057	.048	.040	.018	.015	.013	
3.0	.160	.120	.088	.137	.104	.076	.094	.072	.054	.054	.042	.032	.017	.014	.010	
4.0	.152	.106	.071	.130	.092	.062	.090	.064	.043	.052	.037	.026	.017	.012	.008	
5.0	.145	.095	.059	.124	.082	.051	.086	.058	.036	.050	.034	.021	.016	.011	.007	
6.0	.138	.087	.050	.119	.075	.043	.082	.052	.031	.047	.031	.018	.015	.010	.006	
7.0	.132	.080	.043	.113	.069	.037	.078	.048	.026	.046	.028	.016	.015	.009	.005	
8.0	.126	.074	.038	.109	.064	.033	.075	.045	.023	.044	.026	.014	.014	.009	.005	
9.0	.121	.069	.034	.104	.060	.029	.072	.042	.021	.042	.025	.012	.014	.008	.004	
10.0	.116	.065	.030	.100	.056	.026	.069	.039	.019	.040	.023	.011	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Admin
Test Date:2019-02-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.320m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm											
NAME: ABL150W-0658-MOMP-P09-00B						TYPE:LED			WEIGHT:4.02		
SPEC.:65008090						DIM.: 342*342*157			SERIAL No.:001		
MFR.:						SUR.:0.215*0.215*3.14			Shielding Angle:120		
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		17.9	19.2	18.1	19.4	19.6	15.7	17.0	16.0	17.2	17.4
	3H	18.2	19.4	18.5	19.6	19.8	15.8	17.0	16.1	17.2	17.5
	4H	18.3	19.4	18.6	19.6	19.9	15.8	16.9	16.1	17.2	17.4
	6H	18.3	19.3	18.6	19.6	19.9	15.7	16.8	16.1	17.0	17.3
	8H	18.3	19.3	18.6	19.6	19.9	15.7	16.7	16.0	17.0	17.3
	12H	18.3	19.2	18.6	19.5	19.8	15.6	16.6	16.0	16.9	17.2
4H	2H	17.8	18.9	18.1	19.2	19.4	15.9	17.0	16.2	17.2	17.5
	3H	18.3	19.2	18.6	19.5	19.8	16.1	17.0	16.4	17.3	17.6
	4H	18.4	19.2	18.8	19.6	19.9	16.1	17.0	16.5	17.3	17.6
	6H	18.5	19.2	18.9	19.6	19.9	16.1	16.8	16.5	17.2	17.5
	8H	18.5	19.2	18.9	19.5	19.9	16.0	16.7	16.4	17.1	17.5
	12H	18.5	19.1	18.9	19.5	19.9	16.0	16.6	16.4	17.0	17.4
8H	4H	18.3	19.0	18.7	19.4	19.8	16.1	16.8	16.5	17.2	17.6
	6H	18.4	19.0	18.9	19.4	19.8	16.1	16.6	16.5	17.1	17.5
	8H	18.5	19.0	18.9	19.4	19.8	16.1	16.5	16.5	17.0	17.4
	12H	18.5	18.9	19.0	19.4	19.8	16.0	16.4	16.5	16.9	17.4
12H	4H	18.3	18.9	18.7	19.3	19.7	16.1	16.7	16.5	17.1	17.5
	6H	18.4	18.9	18.9	19.3	19.8	16.1	16.6	16.5	17.0	17.5
	8H	18.4	18.8	18.9	19.3	19.8	16.0	16.5	16.5	16.9	17.4
Variations with the observer position at spacings:											
S = 1.0H	+ 1.2 / - 1.4					+ 1.4 / - 2.4					
1.5H	+ 1.1 / - 1.4					+ 1.7 / - 1.8					
2.0H	+ 3.2 / - 2.2					+ 2.2 / - 2.4					

CIE Pub.117, 17684 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.0)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Admin
Test Date: 2019-02-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 8.320m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE: LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120

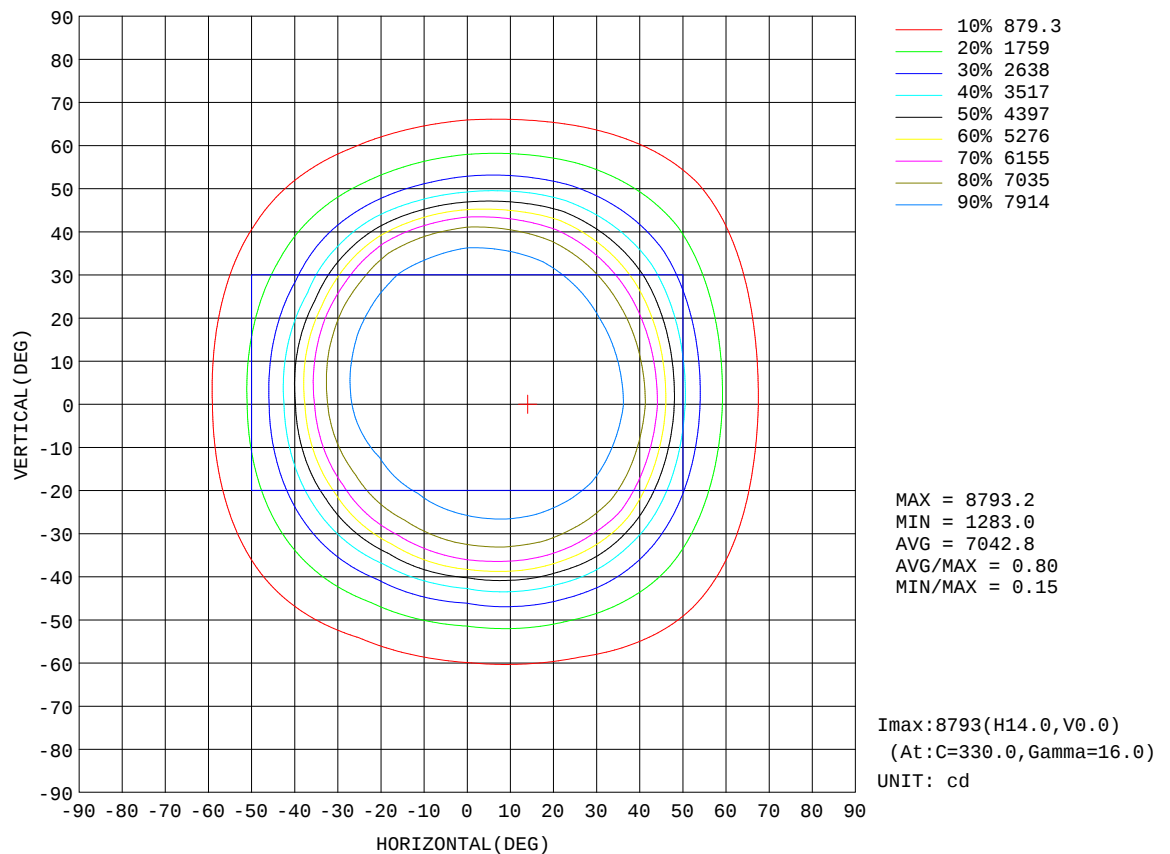
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	69	60	54	69	60	54	68	59	54	49
0.80	79	70	64	78	70	64	77	69	64	58
1.00	87	78	73	86	78	72	84	78	72	66
1.25	93	85	80	92	84	79	89	83	78	73
1.50	97	90	85	96	89	84	93	87	83	77
2.00	102	96	91	100	95	90	97	93	89	82
2.50	105	99	95	103	98	94	99	95	92	85
3.00	107	102	98	105	101	97	101	98	95	87
4.00	110	106	103	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Admin
Test Date:2019-02-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.320m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE: LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120



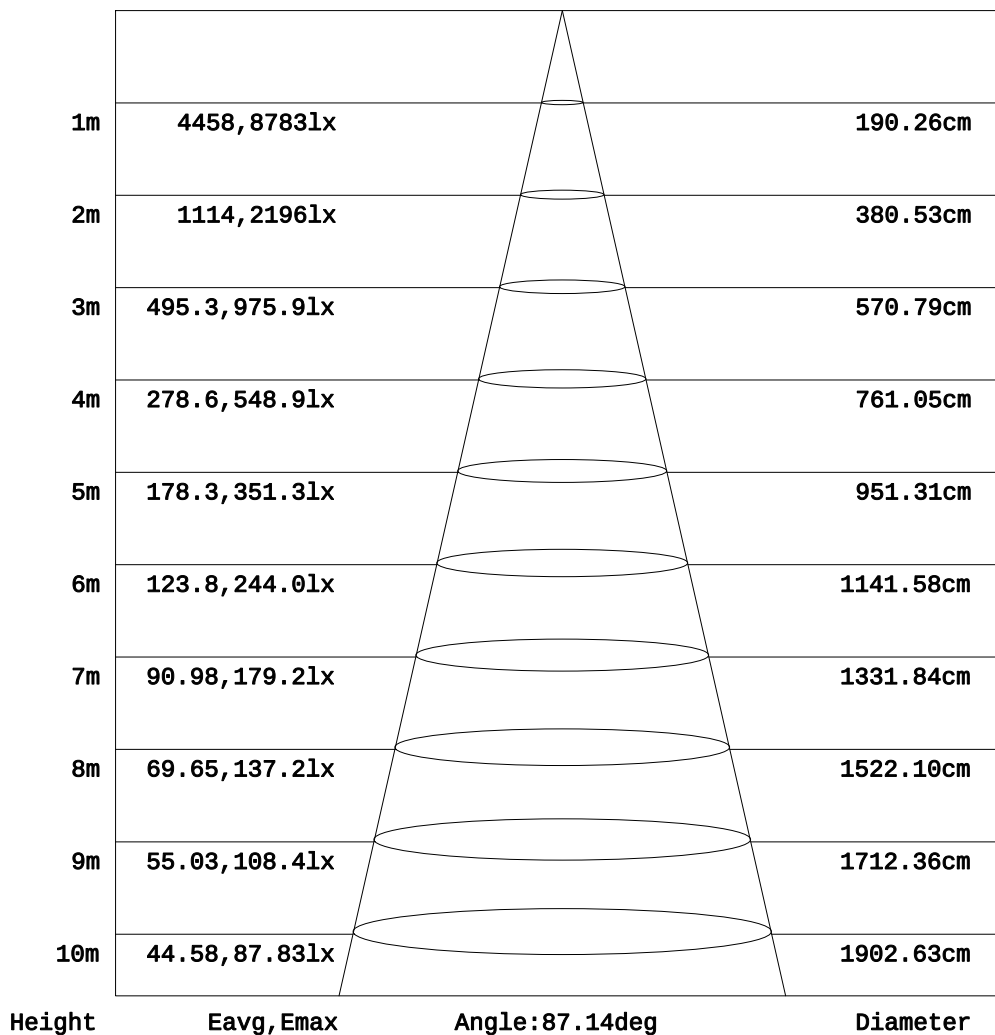
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Admin
Test Date:2019-02-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.320m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE: LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120

Flux out:13060 lm



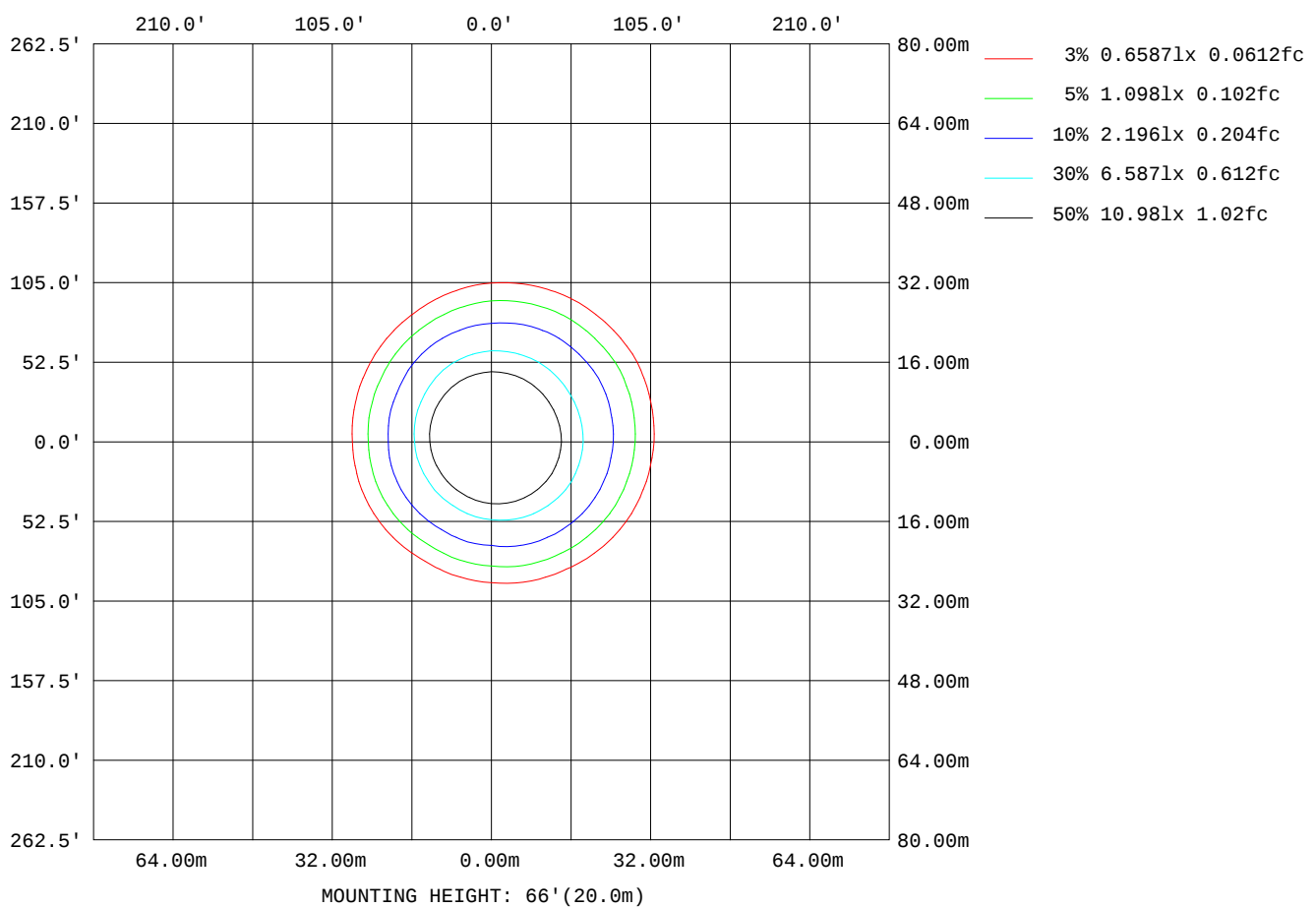
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Admin
Test Date: 2019-02-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 8.320m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE: LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Admin
Test Date:2019-02-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.320m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE:LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120

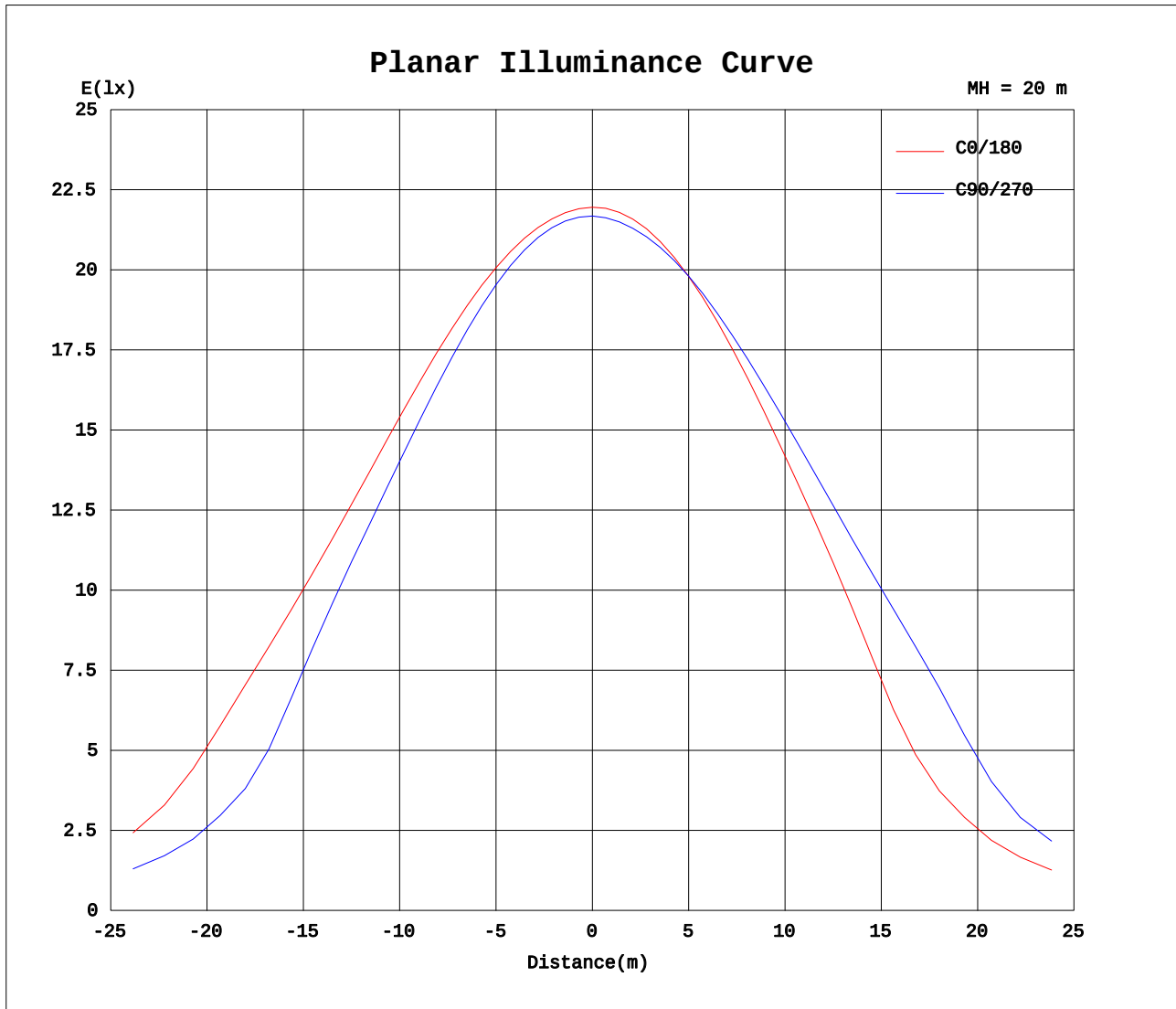
AvgL	cd/m2
L_0~180(65)av	36408
L_0~180(75)av	19878
L_0~180(85)av	9887
L_90~270(65)av	34801
L_90~270(75)av	18131
L_90~270(85)av	8144
L_45(65)av	35083
L_45(75)av	18430
L_45(85)av	8488

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
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 Test Date:2019-02-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.320m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Admin
Test Date: 2019-02-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 8.320m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.09V I:0.6774A P:144.19W PF:0.9672 Freq:49.99Hz Lamp Flux:17683.6x1 lm		
NAME: ABL150W-0658-MOMP-P09-00B	TYPE: LED	WEIGHT:4.02
SPEC.:65008090	DIM.: 342*342*157	SERIAL No.:001
MFR.:	SUR.:0.215*0.215*3.14	Shielding Angle:120

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	8694	8694	8694	8694	8694	8694	8694	8694	8694	8694	8694	8694						
5	8690	8695	8696	8694	8692	8694	8694	8692	8691	8685	8676	8673						
10	8701	8700	8680	8656	8638	8645	8657	8674	8688	8690	8680	8689						
15	8704	8684	8636	8581	8539	8554	8587	8636	8675	8698	8700	8709						
20	8675	8608	8484	8350	8243	8273	8362	8499	8620	8672	8694	8696						
25	8605	8497	8295	8088	7917	7956	8098	8326	8525	8621	8654	8643						
30	8364	8180	7842	7461	7134	7170	7417	7849	8235	8429	8483	8447						
35	8071	7826	7341	6751	6189	6195	6562	7285	7879	8160	8249	8185						
40	7261	6854	5815	4504	3901	4032	4284	5214	6744	7345	7507	7411						
45	6133	5467	4101	3198	2819	2994	3099	3509	4887	5894	6418	6336						
50	3624	3157	2469	1969	1767	1852	1886	2175	2745	3281	3944	4052						
55	2606	2254	1773	1443	1281	1339	1352	1585	1935	2420	2793	2939						
60	1625	1395	1063	874	723	780	797	941	1152	1485	1705	1815						
65	1189	988	739	598	482	520	534	638	797	1053	1199	1309						
70	687	556	406	314	240	255	267	327	432	589	671	734						
75	459	363	249	171	132	127	136	176	271	378	435	481						
80	209	151	86.8	55.5	38.9	36.6	40.4	56.6	96.2	155	196	217						
85	101	70.6	37.7	18.5	8.24	6.93	8.61	18.4	42.5	74.1	95.7	105						
90	24.4	12.5	2.17	2.22	2.55	2.59	2.65	2.24	2.10	12.1	23.6	25.8						
95	2.19	1.92	2.48	3.11	3.62	3.66	3.74	3.15	2.44	1.91	2.35	2.82						
100	2.73	3.19	4.21	5.15	6.07	6.08	6.21	5.23	4.06	3.17	2.72	2.65						
105	3.84	4.49	5.91	7.33	8.35	8.39	8.56	7.32	5.80	4.45	3.78	3.73						
110	6.39	7.48	9.54	11.5	12.9	12.8	13.0	11.4	9.18	7.28	6.39	6.30						
115	8.54	10.1	12.6	15.0	16.5	16.4	16.6	14.8	12.2	9.79	8.42	8.25						
120	12.9	15.2	18.1	20.9	22.6	22.4	22.5	20.4	17.4	14.5	12.7	12.5						
125	16.5	19.0	22.2	25.0	26.7	26.5	26.7	24.5	21.2	18.2	16.1	15.8						
130	22.4	25.1	28.3	31.0	32.7	32.6	32.8	30.6	27.2	24.1	21.8	21.4						
135	26.4	29.1	32.1	34.8	36.3	36.2	36.3	34.3	31.1	28.1	25.9	25.5						
140	32.0	34.4	37.2	39.6	40.9	41.1	40.9	38.9	36.1	33.5	31.7	31.3						
145	35.5	37.6	40.2	42.3	43.6	44.0	43.4	41.4	38.9	36.6	35.1	34.8						
150	39.9	41.8	44.4	46.6	47.9	48.2	47.5	45.6	43.0	40.8	39.6	39.4						
155	42.6	44.9	47.4	49.9	51.2	51.1	50.7	48.8	46.2	43.8	42.5	42.5						
160	47.9	50.2	52.7	54.8	55.7	55.7	55.3	53.8	51.6	49.2	47.9	47.6						
165	52.0	54.0	56.2	57.7	58.2	58.2	57.9	56.7	54.9	52.9	51.6	51.2						
170	57.1	58.9	59.7	61.1	61.1	61.0	60.8	60.2	59.3	57.9	56.8	56.4						
175	60.1	60.8	61.3	62.2	61.9	61.9	61.9	61.4	61.0	60.0	59.7	59.2						
180	62.1	62.8	62.4	62.5	62.3	62.1	62.9	62.4	62.5	62.5	62.3	62.2						

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