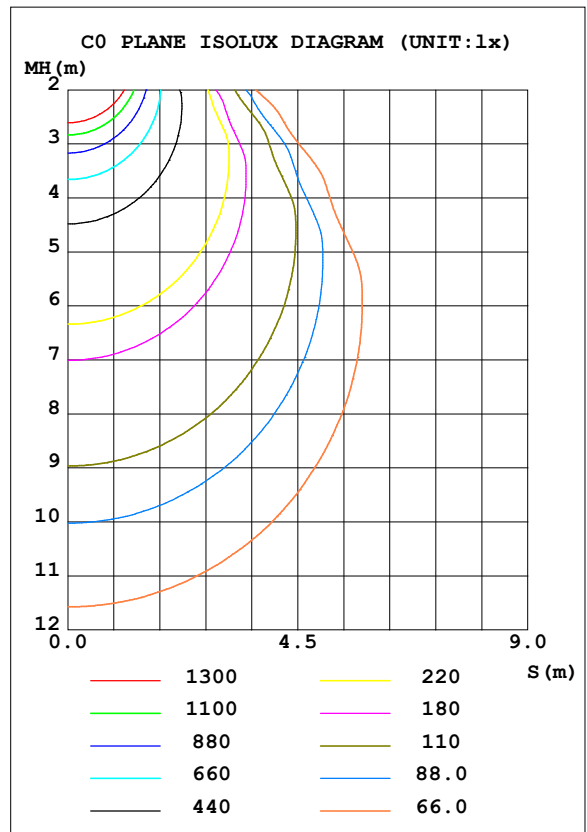
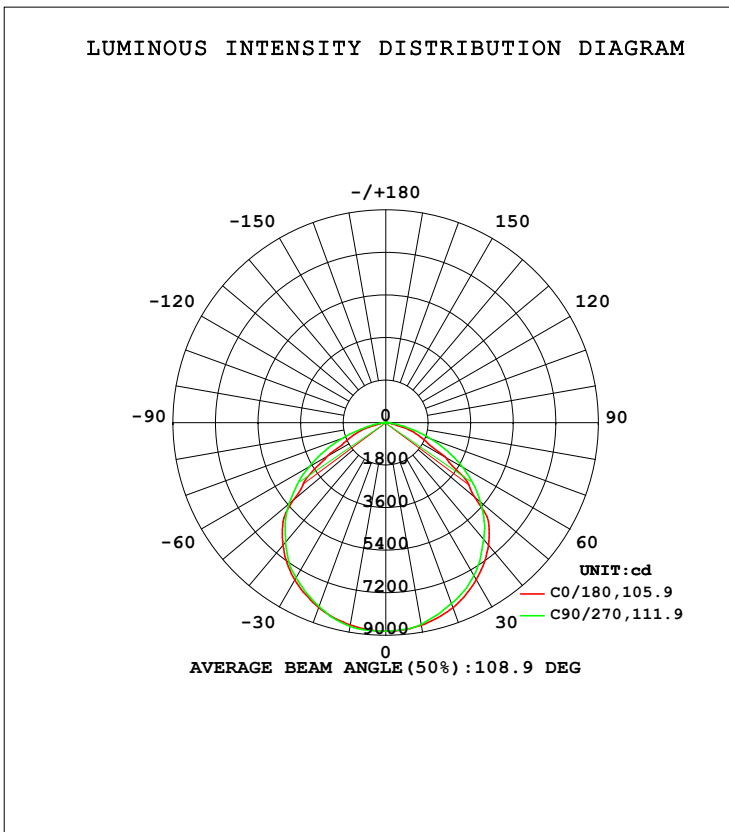


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.31 lm/W			
MODEL	SPLHB-160-X-Y-Z-C-D	Imax (cd)	8827	S/MH (C0/180)	1.30
NOMINAL POWER (W)	160	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	480	TOTAL FLUX (lm)	23349	η UP, DN (C0-180)	0.2, 49.7
NOMINAL FLUX (lm)	23348.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 50.0
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	480.0	η down (%)	99.7	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Jenson
 Test Date: 30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity: 61.9%
 Test Distance: 26.000m [K=1.3518]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

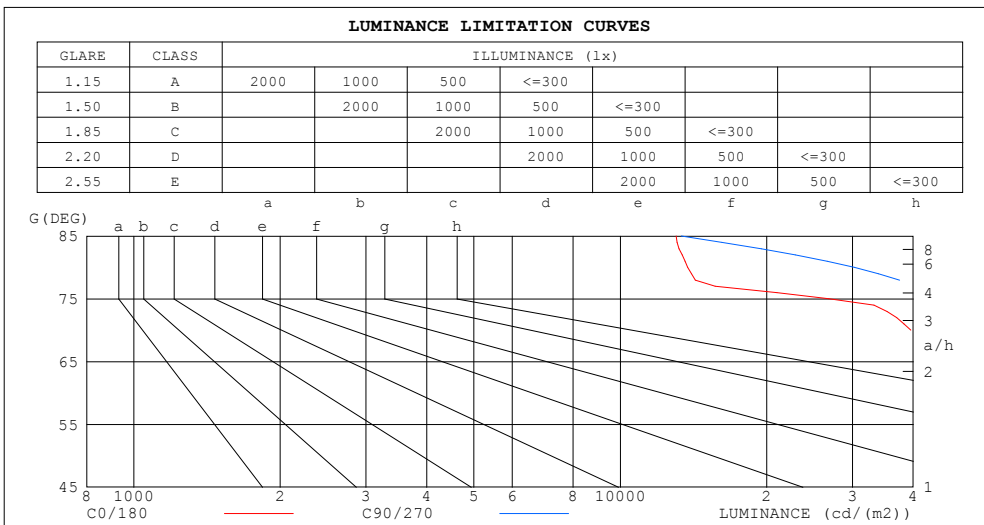
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	8701	8694	8660	8685	8685	8712	8745	8721	0- 10	836.8	836.8	3.58,3.58
20	8325	8228	8140	8198	8311	8334	8268	8348	10- 20	2405	3242	13.9,13.9
30	7671	7531	7467	7487	7690	7594	7586	7585	20- 30	3666	6908	29.6,29.6
40	6762	6604	6447	6552	6770	6642	6604	6662	30- 40	4466	11373	48.7,48.7
50	4922	5331	5219	5301	5111	5363	5337	5365	40- 50	4631	16004	68.5,68.5
60	2894	3312	3745	3505	2884	3422	3750	3433	50- 60	3864	19868	85.1,85.1
70	1351	1370	2044	1415	1348	1256	1980	1263	60- 70	2350	22218	95.2,95.2
80	238.6	291.9	525.6	329.2	240.1	264.7	445.6	272.4	70- 80	920.9	23139	99.1,99.1
90	4.673	5.165	7.027	5.800	4.382	4.768	5.969	4.511	80- 90	130.5	23269	99.7,99.7
100	3.964	5.240	5.919	5.034	3.394	3.777	5.504	4.885	90-100	4.576	23274	99.7,99.7
110	8.716	11.53	10.21	9.968	6.843	7.238	9.278	9.346	100-110	7.076	23281	99.7,99.7
120	14.72	15.57	12.52	14.01	11.13	11.65	11.65	13.55	110-120	10.92	23292	99.8,99.8
130	19.00	17.67	18.76	16.64	16.66	14.53	16.61	17.06	120-130	14.00	23306	99.8,99.8
140	21.24	16.05	21.16	15.96	20.26	15.26	18.87	16.92	130-140	14.10	23320	99.9,99.9
150	21.46	15.57	24.45	16.27	20.67	13.34	19.54	21.21	140-150	12.09	23332	99.9,99.9
160	19.47	19.66	17.78	18.90	19.26	16.73	18.34	18.89	150-160	8.895	23341	100,100
170	21.28	24.16	21.50	23.40	20.52	21.05	24.78	22.78	160-170	5.442	23347	100,100
180	22.66	25.17	21.53	24.57	22.08	22.44	23.79	21.10	170-180	2.199	23349	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13020	13353
80	13762	30290
75	26840	46744
70	39553	59801
65	44475	68802
60	57977	74949
55	70435	78852
50	76698	81248
45	87526	83360

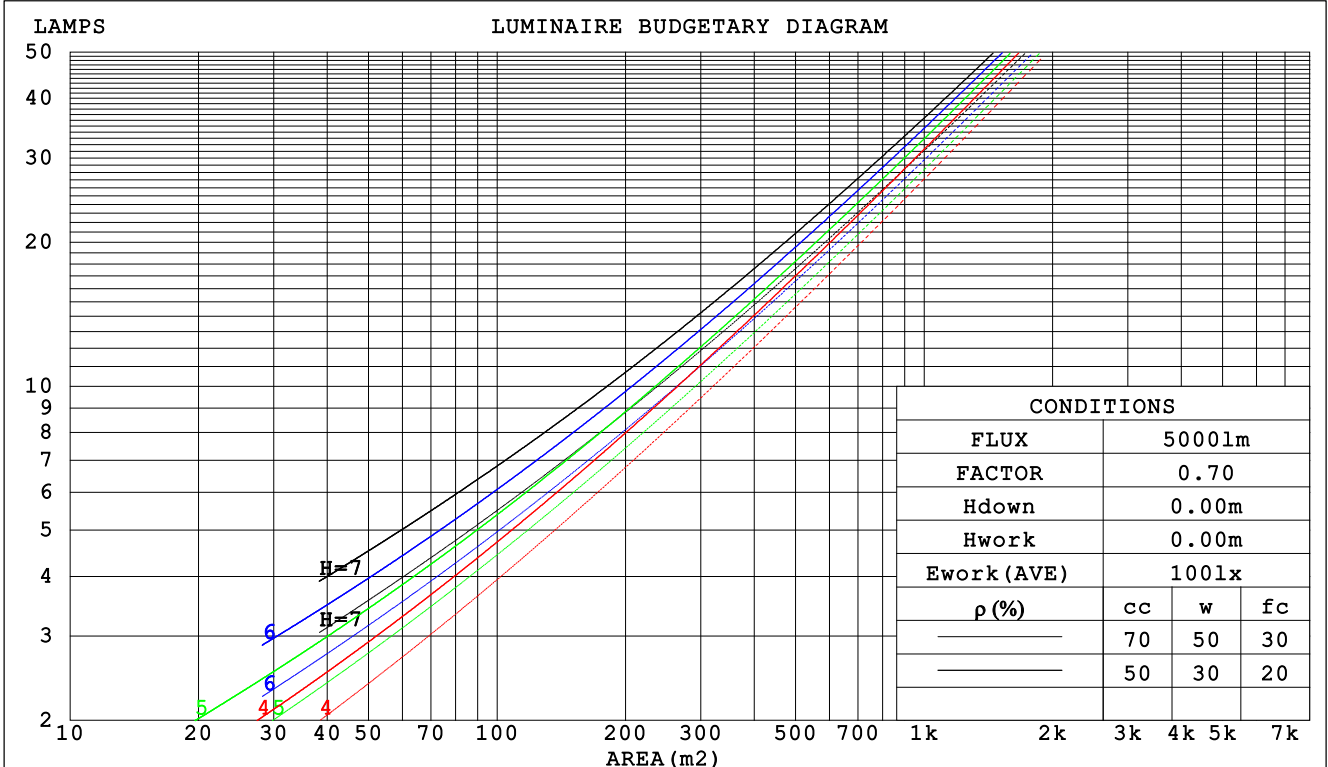
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaika	SUR.:	Shielding Angle:

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	1.02	1.02	1.02	.00
1.0	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.75	.68	.81	.73	.68	.78	.72	.67	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.65	.58	.72	.64	.58	.69	.62	.57	.67	.61	.56	.65	.60	.56	.53
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.50	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.41	.34	.28	.41	.33	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

WEC AND CCEC

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:

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	.275	.157	.050	.268	.153	.049	.255	.146	.047	.243	.140	.045	.231	.134	.043	
2.0	.267	.146	.045	.261	.144	.044	.249	.138	.043	.238	.134	.042	.228	.129	.041	
3.0	.251	.134	.040	.246	.132	.040	.236	.128	.039	.226	.124	.038	.217	.120	.037	
4.0	.235	.122	.036	.230	.121	.036	.221	.117	.035	.213	.114	.034	.205	.111	.034	
5.0	.220	.112	.032	.215	.111	.032	.207	.108	.032	.200	.105	.031	.193	.103	.031	
6.0	.205	.103	.029	.201	.102	.029	.194	.100	.029	.187	.097	.029	.181	.095	.028	
7.0	.192	.095	.027	.189	.094	.027	.182	.092	.027	.176	.090	.026	.170	.089	.026	
8.0	.180	.088	.025	.177	.087	.025	.171	.086	.024	.166	.084	.024	.161	.083	.024	
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.022	.152	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.072	.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																
1.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
2.0	.172	.135	.104	.147	.116	.090	.101	.080	.063	.058	.047	.037	.019	.015	.012	
3.0	.164	.117	.080	.140	.101	.069	.096	.070	.048	.056	.041	.029	.018	.013	.009	
4.0	.156	.103	.063	.134	.089	.055	.092	.062	.039	.053	.036	.023	.017	.012	.008	
5.0	.149	.093	.051	.128	.080	.045	.088	.056	.032	.051	.033	.019	.016	.011	.006	
6.0	.142	.084	.043	.122	.073	.037	.084	.051	.027	.049	.030	.016	.016	.010	.005	
7.0	.136	.077	.037	.117	.067	.032	.081	.047	.023	.047	.028	.014	.015	.009	.004	
8.0	.129	.072	.032	.111	.062	.028	.077	.044	.020	.045	.026	.012	.015	.008	.004	
9.0	.124	.067	.028	.106	.058	.025	.074	.041	.018	.043	.024	.010	.014	.008	.003	
10.0	.118	.063	.026	.102	.054	.022	.071	.038	.016	.041	.023	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm										
NAME: SPLHB-160-X-Y-Z-C-D					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: sipaika					SUR.:			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	16.4	17.8	16.7	18.0	18.2	17.2	18.7	17.5	18.9	19.1
3H	17.0	18.4	17.3	18.6	18.8	18.4	19.7	18.7	20.0	20.2
4H	17.2	18.5	17.6	18.8	19.0	18.7	20.0	19.0	20.2	20.5
6H	17.2	18.4	17.5	18.7	18.9	18.8	20.0	19.2	20.3	20.6
8H	17.2	18.3	17.5	18.6	18.9	18.8	20.0	19.2	20.3	20.6
12H	17.1	18.2	17.5	18.5	18.8	18.8	19.9	19.2	20.2	20.5
4H 2H	16.9	18.1	17.2	18.4	18.6	17.5	18.8	17.9	19.1	19.3
3H	17.6	18.7	18.0	19.0	19.3	18.9	20.0	19.2	20.3	20.6
4H	17.9	18.9	18.3	19.2	19.6	19.3	20.2	19.6	20.6	20.9
6H	17.9	18.8	18.3	19.1	19.5	19.4	20.3	19.8	20.6	21.0
8H	17.9	18.7	18.3	19.1	19.5	19.4	20.2	19.8	20.6	21.0
12H	17.9	18.6	18.3	19.0	19.4	19.4	20.1	19.8	20.5	20.9
8H 4H	18.0	18.8	18.4	19.2	19.5	19.3	20.1	19.7	20.4	20.8
6H	18.0	18.7	18.5	19.1	19.5	19.4	20.1	19.9	20.5	21.0
8H	18.0	18.6	18.5	19.0	19.5	19.5	20.1	19.9	20.5	21.0
12H	18.0	18.5	18.5	19.0	19.5	19.5	20.0	20.0	20.4	20.9
12H 4H	17.9	18.7	18.4	19.1	19.5	19.2	20.0	19.6	20.3	20.8
6H	18.0	18.6	18.5	19.0	19.5	19.4	20.0	19.9	20.4	20.9
8H	18.0	18.5	18.5	19.0	19.4	19.5	20.0	19.9	20.4	20.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.2 / - 0.3				
1.5H	+ 0.5 / - 0.7					+ 0.3 / - 0.5				
2.0H	+ 0.7 / - 1.2					+ 0.4 / - 0.4				

CIE Pub.117, 23349 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.9)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:

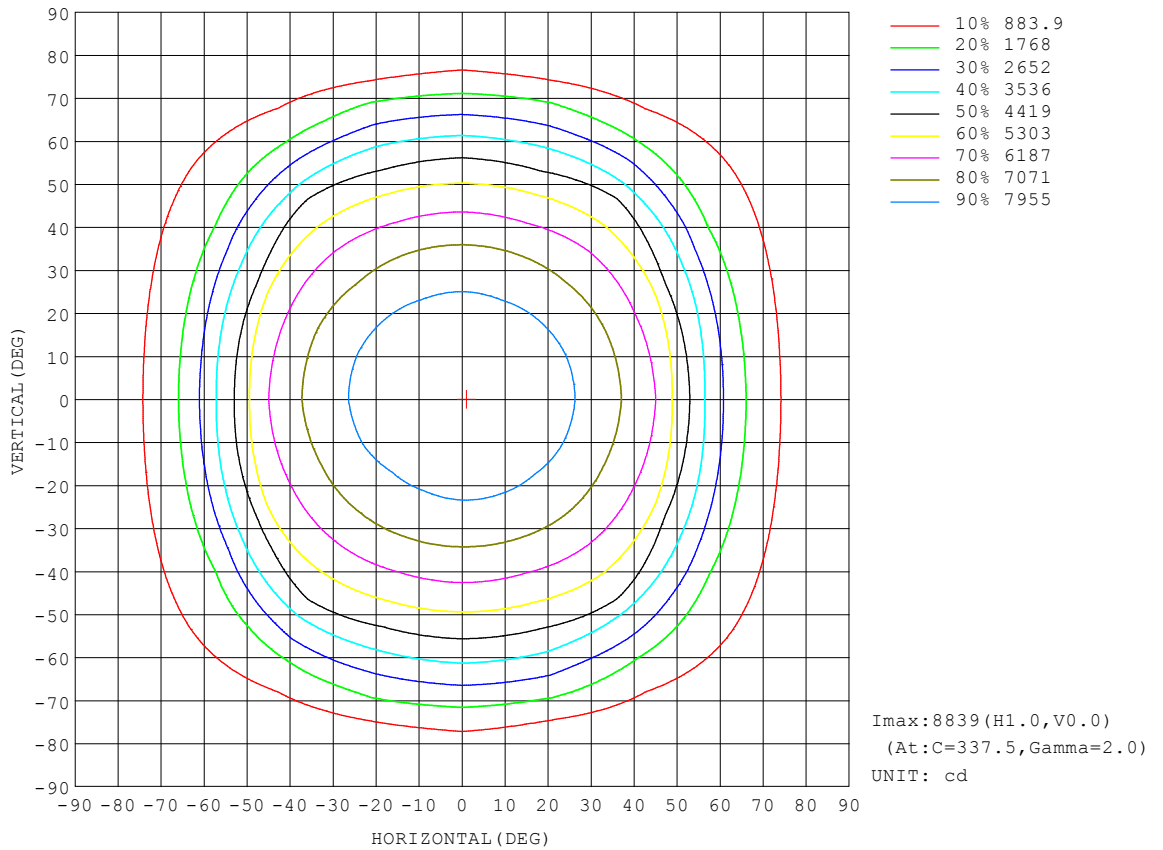
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	48	41	59	48	41	57	47	41	35
0.80	70	59	52	69	58	52	67	58	51	44
1.00	79	68	61	77	68	61	75	69	60	54
1.25	86	76	69	84	75	69	82	74	68	61
1.50	91	82	75	89	81	75	86	79	74	66
2.00	97	90	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	105	102	107	104	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:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:

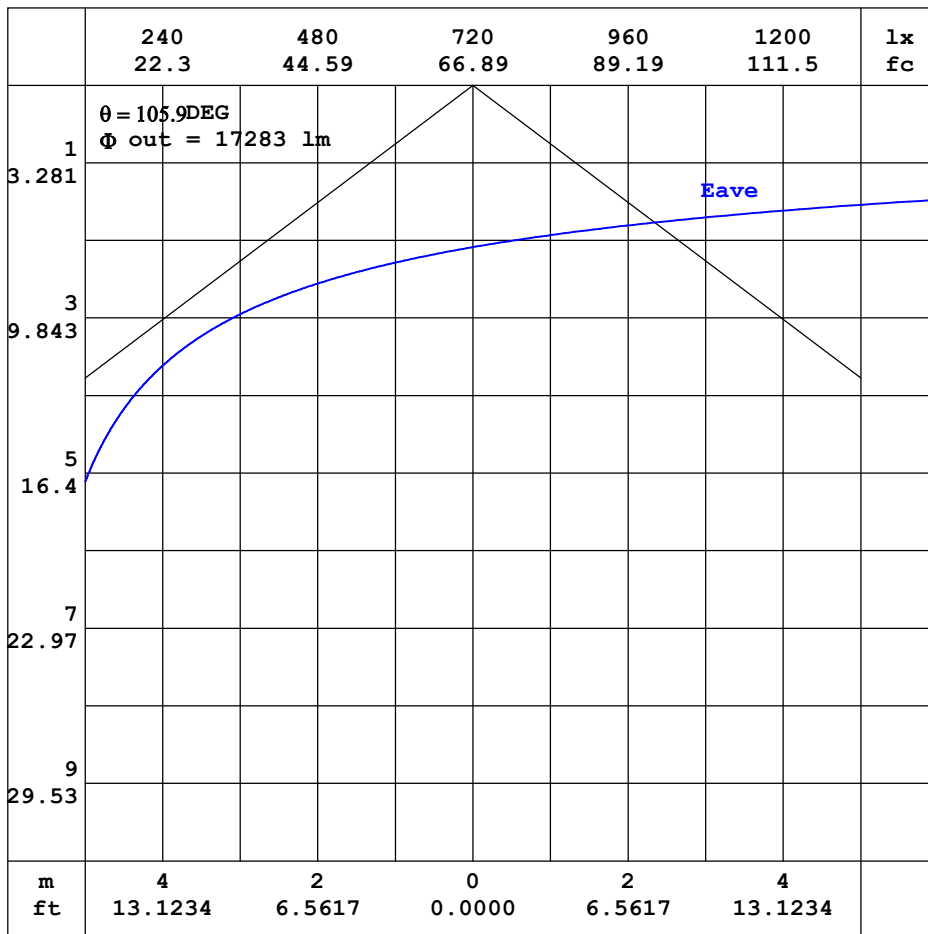


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

AAI CURVES

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:



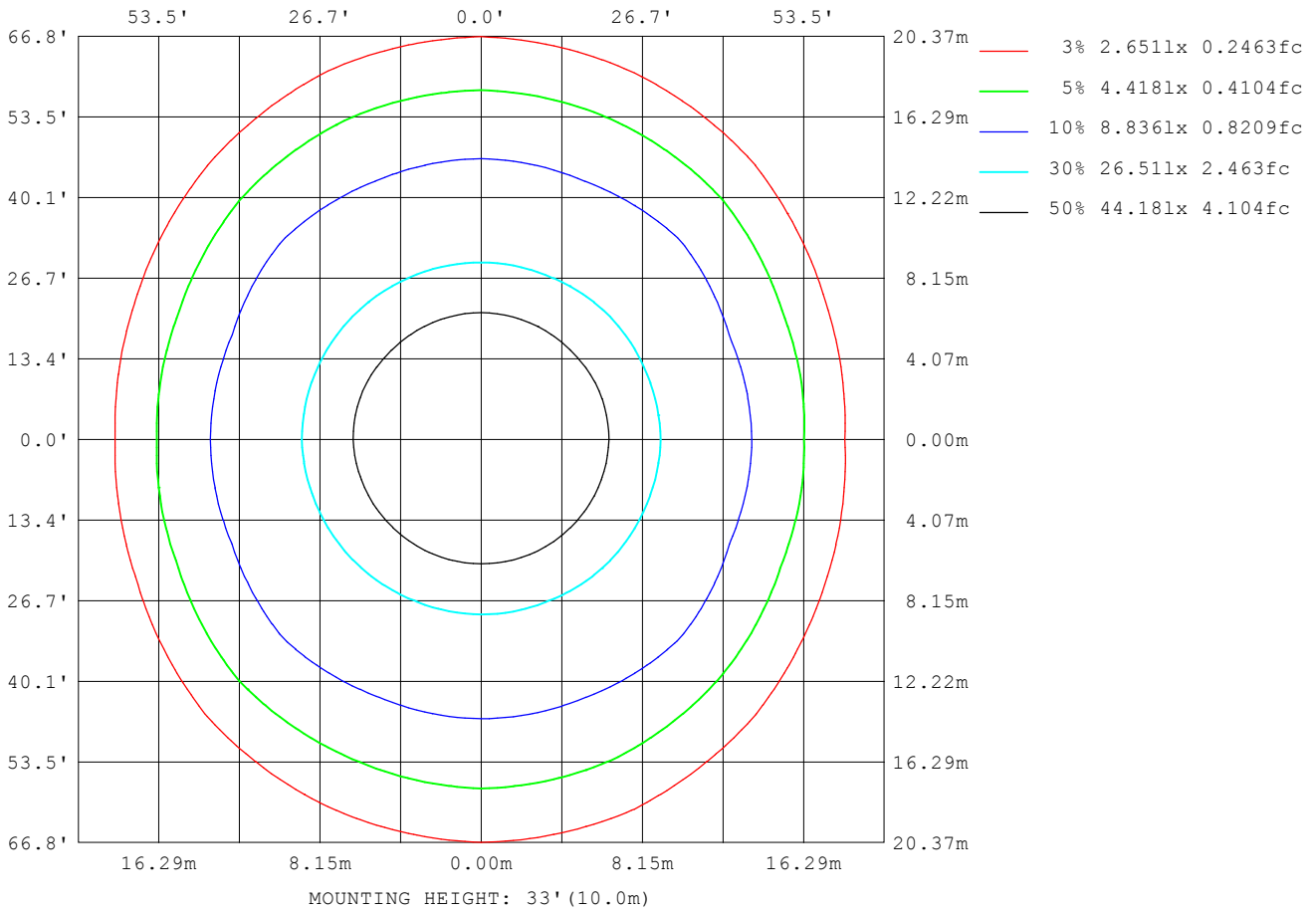
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Jenson
 Test Date: 30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity: 61.9%
 Test Distance: 26.000m [K=1.3518]
 Remarks:

ISOLUX DIAGRAM

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

LED Avg.L Report

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	Shielding Angle:

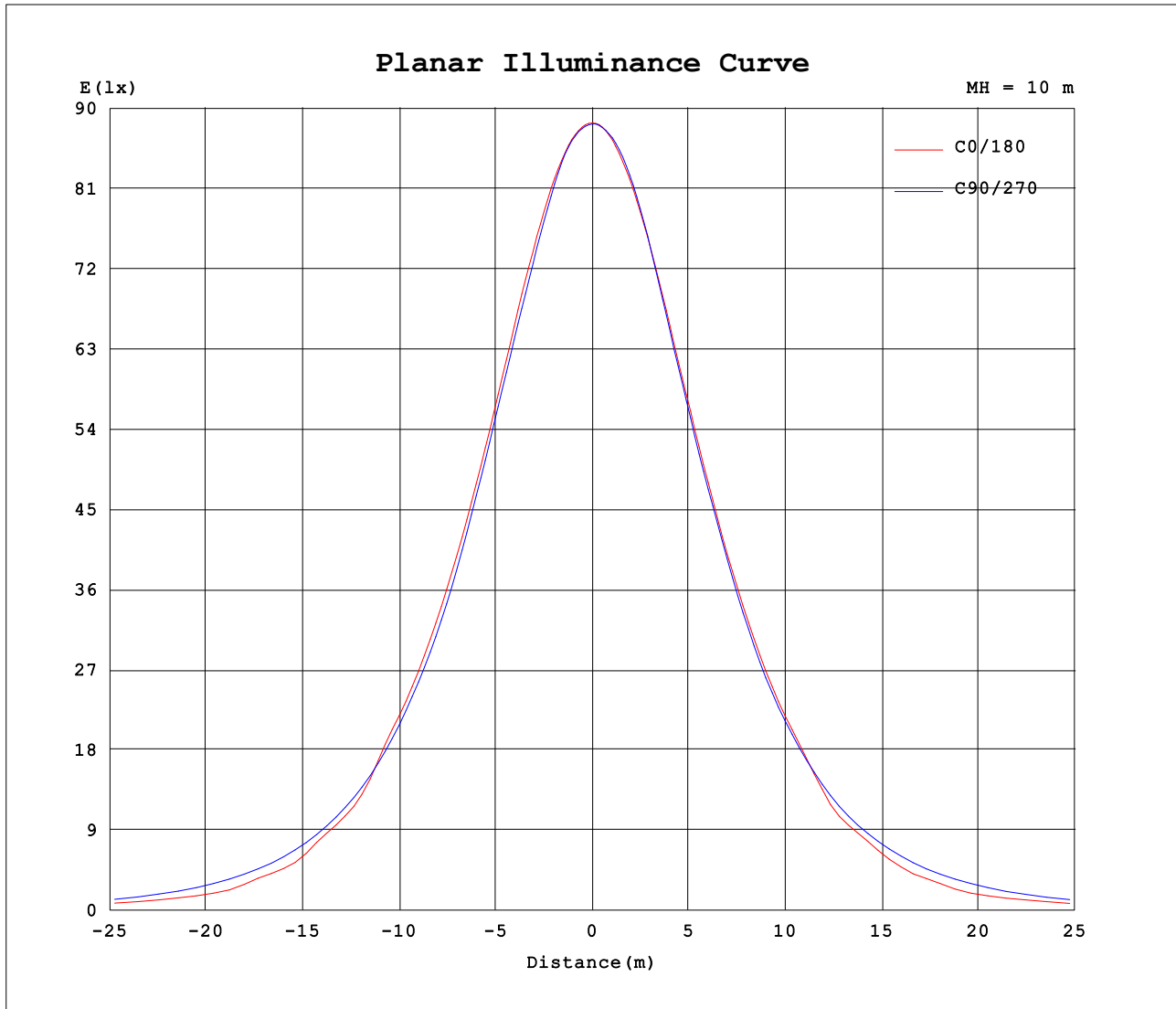
AvgL	cd/m2
L_0~180 (65) av	44276
L_0~180 (75) av	26941
L_0~180 (85) av	13141
L_90~270 (65) av	68247
L_90~270 (75) av	44919
L_90~270 (85) av	11985
L_45 (65) av	54864
L_45 (75) av	30145
L_45 (85) av	11663

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Jenson
 Test Date:30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity:61.9%
 Test Distance:26.000m [K=1.3518]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Jenson
 Test Date: 30 May 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.361
 Humidity: 61.9%
 Test Distance: 26.000m [K=1.3518]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:480.2V I:0.3456A P:159.6W PF:0.9616 Freq:60.01Hz Lamp Flux:23348.7x1 lm		
NAME: SPLHB-160-X-Y-Z-C-D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: sipaike	SUR.:	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	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822			
5	8795	8798	8795	8782	8787	8795	8791	8795	8791	8802	8797	8813	8811	8816	8807	8806			
10	8701	8701	8694	8664	8660	8660	8685	8690	8685	8702	8712	8721	8745	8740	8721	8707			
15	8541	8527	8483	8444	8420	8438	8462	8527	8535	8539	8557	8569	8571	8579	8584	8554			
20	8325	8293	8228	8146	8140	8135	8198	8298	8311	8326	8334	8277	8268	8284	8348	8334			
25	8030	7981	7884	7859	7854	7840	7847	7986	8026	8038	7999	7939	7952	7949	7997	8040			
30	7671	7598	7531	7502	7467	7479	7487	7597	7690	7684	7594	7575	7586	7583	7585	7686			
35	7259	7159	7103	7020	6986	7014	7070	7158	7269	7254	7138	7143	7172	7157	7149	7245			
40	6762	6636	6604	6465	6447	6460	6552	6633	6770	6737	6642	6605	6604	6590	6662	6693			
45	6180	6072	6000	5892	5890	5883	5949	6057	6174	6103	6077	5974	6017	5969	6072	6081			
50	4922	5248	5331	5218	5219	5198	5301	5376	5111	5351	5363	5303	5337	5293	5365	5272			
55	4034	4066	4610	4479	4520	4437	4598	4064	4107	4084	4609	4495	4580	4460	4632	4043			
60	2894	2869	3312	3646	3745	3599	3505	2882	2884	2866	3422	3682	3750	3632	3433	2832			
65	1877	1864	2245	2802	2906	2748	2484	1829	1866	1846	2250	2775	2863	2718	2296	1822			
70	1351	1338	1370	1939	2044	1884	1415	1317	1348	1334	1256	1874	1980	1820	1263	1314			
75	694	813	790	985	1209	985	800	821	701	820	773	915	1116	914	759	798			
80	239	241	292	362	526	350	329	238	240	240	265	330	446	313	272	236			
85	113	112	103	94.2	116	100.0	105	112	116	112	100	85.9	92.6	84.0	98.2	109			
90	4.67	4.73	5.16	6.14	7.03	6.61	5.80	5.16	4.38	4.36	4.77	5.59	5.97	5.14	4.51	4.18			
95	3.39	3.37	3.93	5.02	5.24	4.88	3.99	3.56	3.03	2.89	3.25	4.34	4.72	4.30	3.57	3.09			
100	3.96	4.26	5.24	6.17	5.92	5.86	5.03	4.08	3.39	3.21	3.78	5.02	5.50	4.83	4.89	2.30			
105	5.89	6.62	8.22	8.20	7.59	7.70	7.39	6.53	4.80	4.63	5.46	7.12	6.97	6.03	7.40	5.65			
110	8.72	9.94	11.5	10.3	10.2	10.2	9.97	9.25	6.84	6.85	7.24	10.2	9.28	8.24	9.35	8.17			
115	12.2	13.5	13.1	11.7	11.8	10.7	12.0	13.5	9.25	9.89	8.76	11.1	11.1	8.23	11.0	11.5			
120	14.7	15.9	15.6	13.2	12.5	13.1	14.0	15.0	11.1	11.5	11.7	13.6	11.7	11.0	13.6	13.5			
125	17.0	18.8	16.9	16.8	18.7	15.5	15.0	18.8	13.0	13.4	12.7	16.3	15.4	13.6	15.5	16.1			
130	19.0	20.2	17.7	17.7	18.8	16.4	16.6	18.6	16.7	15.3	14.5	18.9	16.6	15.5	17.1	17.4			
135	20.0	21.1	17.0	19.0	19.5	17.5	16.7	18.9	18.7	16.8	15.3	20.1	18.1	17.2	16.1	18.3			
140	21.2	23.0	16.1	18.8	21.2	19.2	16.0	20.0	20.3	18.4	15.3	21.3	18.9	19.2	16.9	20.4			
145	21.0	21.2	15.6	18.6	20.3	19.3	16.0	20.1	20.3	18.6	13.6	21.1	19.2	18.9	19.9	20.6			
150	21.5	20.9	15.6	18.6	24.5	19.6	16.3	20.1	20.7	19.5	13.3	22.6	19.5	20.2	21.2	20.0			
155	20.6	20.8	18.7	18.0	20.4	18.1	17.8	20.7	19.0	19.6	17.3	22.1	17.4	17.1	20.4	18.6			
160	19.5	19.5	19.7	18.7	17.8	17.5	18.9	19.8	19.3	19.3	16.7	22.2	18.3	17.6	18.9	17.6			
165	19.6	19.1	20.8	17.8	18.8	17.0	18.8	19.2	18.2	18.1	17.0	18.4	17.1	16.6	17.3	19.8			
170	21.3	20.9	24.2	23.4	21.5	21.7	23.4	20.7	20.5	20.8	21.0	22.6	24.8	21.5	22.8	24.6			
175	22.5	22.8	25.1	24.2	23.1	22.1	24.5	22.6	22.4	22.6	23.0	24.6	24.3	22.9	22.8	25.0			
180	22.7	22.8	25.2	23.9	21.5	21.0	24.6	22.8	22.1	20.5	22.4	24.7	23.8	21.6	21.1	24.2			

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