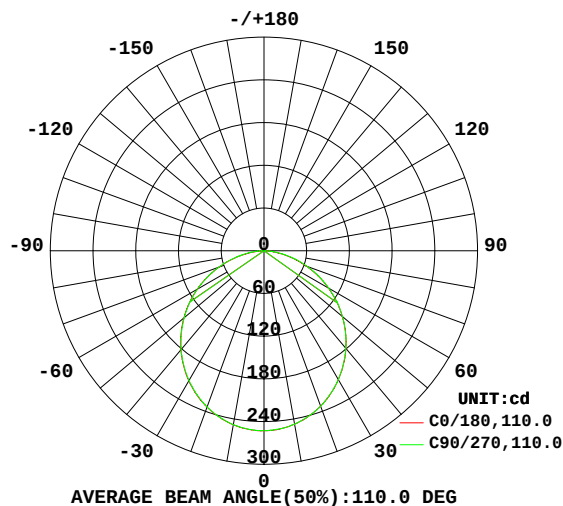


LUMINAIRE PHOTOMETRIC TEST REPORT

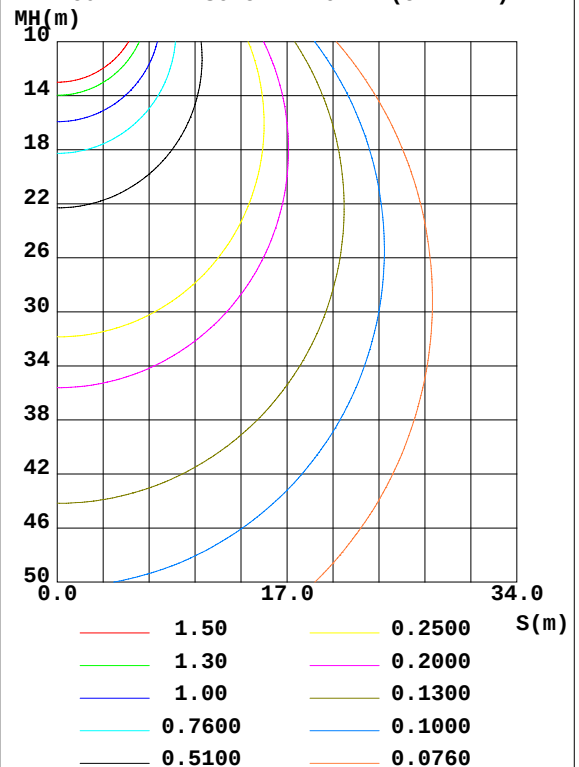
Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: led Downlight retrofits	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.28 lm/W			
MODEL	RSZ160622515-10	Imax(cd)	253.2	S/MH(C0/180)	1.23
NOMINAL POWER(W)	11	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	701.50	η UP, DN(C0-180)	0.1, 50.3
NOMINAL FLUX(lm)	701.497	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.6
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [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	248.3	248.3	248.2	247.2	247.3	247.1	247.3	247.8	0- 10	23.89	23.89	3.41, 3.41
20	233.8	234.2	233.6	232.4	232.2	231.9	232.4	233.3	10- 20	68.13	92.02	13.1, 13.1
30	211.1	211.5	210.8	209.2	209.0	208.4	208.8	210.6	20- 30	102.5	194.5	27.7, 27.7
40	181.5	182.1	181.2	179.2	178.9	178.3	178.8	180.8	30- 40	122.4	316.9	45.2, 45.2
50	146.9	147.6	146.5	144.4	143.7	143.3	143.9	146.1	40- 50	125.9	442.8	63.1, 63.1
60	108.4	109.2	108.1	105.8	104.2	104.0	104.9	107.3	50- 60	112.9	555.7	79.2, 79.2
70	67.05	68.56	67.71	65.06	63.50	63.33	64.75	66.83	60- 70	85.37	641.1	91.4, 91.4
80	26.16	28.38	28.76	25.83	24.11	24.50	26.45	27.29	70- 80	48.32	689.4	98.3, 98.3
90	0.0580	0.0522	0.0342	0.0363	0.0177	0.0170	0.0170	0.0457	80- 90	11.40	700.8	99.9, 99.9
100	0.0572	0.0794	0.0600	0.0773	0.0311	0.0379	0.0327	0.0331	90-100	0.0402	700.9	99.9, 99.9
110	0.0711	0.0827	0.0736	0.0826	0.0519	0.0590	0.0543	0.0540	100-110	0.0626	700.9	99.9, 99.9
120	0.0783	0.0881	0.0820	0.0891	0.0764	0.0827	0.0884	0.0788	110-120	0.0733	701.0	99.9, 99.9
130	0.1073	0.1174	0.1143	0.1184	0.1087	0.1121	0.1144	0.1085	120-130	0.0866	701.1	99.9, 99.9
140	0.1588	0.1728	0.1746	0.1723	0.1420	0.1392	0.1453	0.1404	130-140	0.1025	701.2	100, 100
150	0.2323	0.2471	0.2587	0.2538	0.1620	0.1575	0.1689	0.1618	140-150	0.1141	701.3	100, 100
160	0.2946	0.3020	0.3040	0.2998	0.1862	0.1769	0.1818	0.1863	150-160	0.1045	701.4	100, 100
170	0.2787	0.2740	0.2809	0.2759	0.1988	0.1918	0.1995	0.1974	160-170	0.0691	701.5	100, 100
180	0.2321	0.2204	0.2223	0.2340	0.2388	0.2289	0.2177	0.2261	170-180	0.0224	701.5	100, 100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 9.1 %									UNIT:lm		

Conical surface Flux(90deg): 380.51 lm

%lum = 54.2%

%lamp = 54.2%

Conical surface Flux(120deg): 555.73 lm

%lum = 79.2%

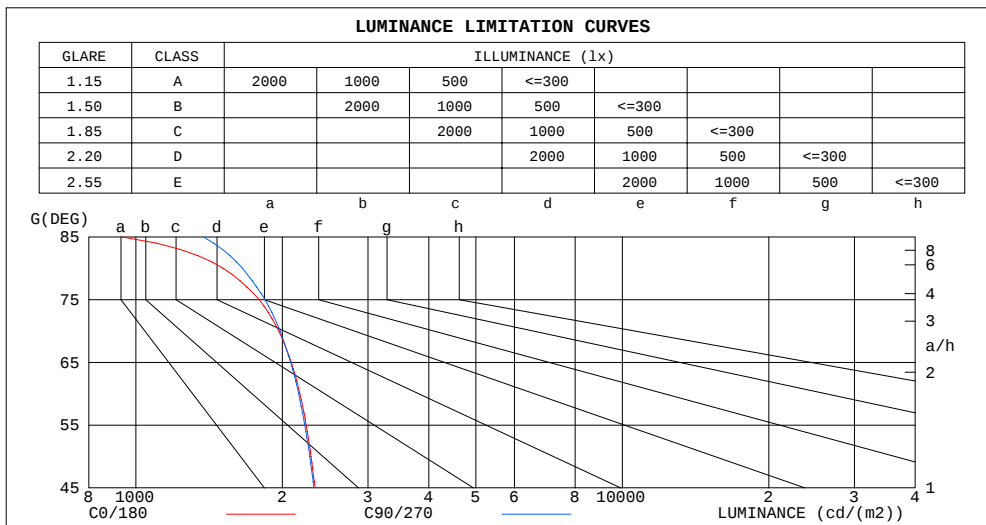
%lamp = 79.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	934	1375
80	1510	1656
75	1792	1842
70	1965	1979
65	2086	2080
60	2173	2162
55	2238	2224
50	2291	2279
45	2336	2323

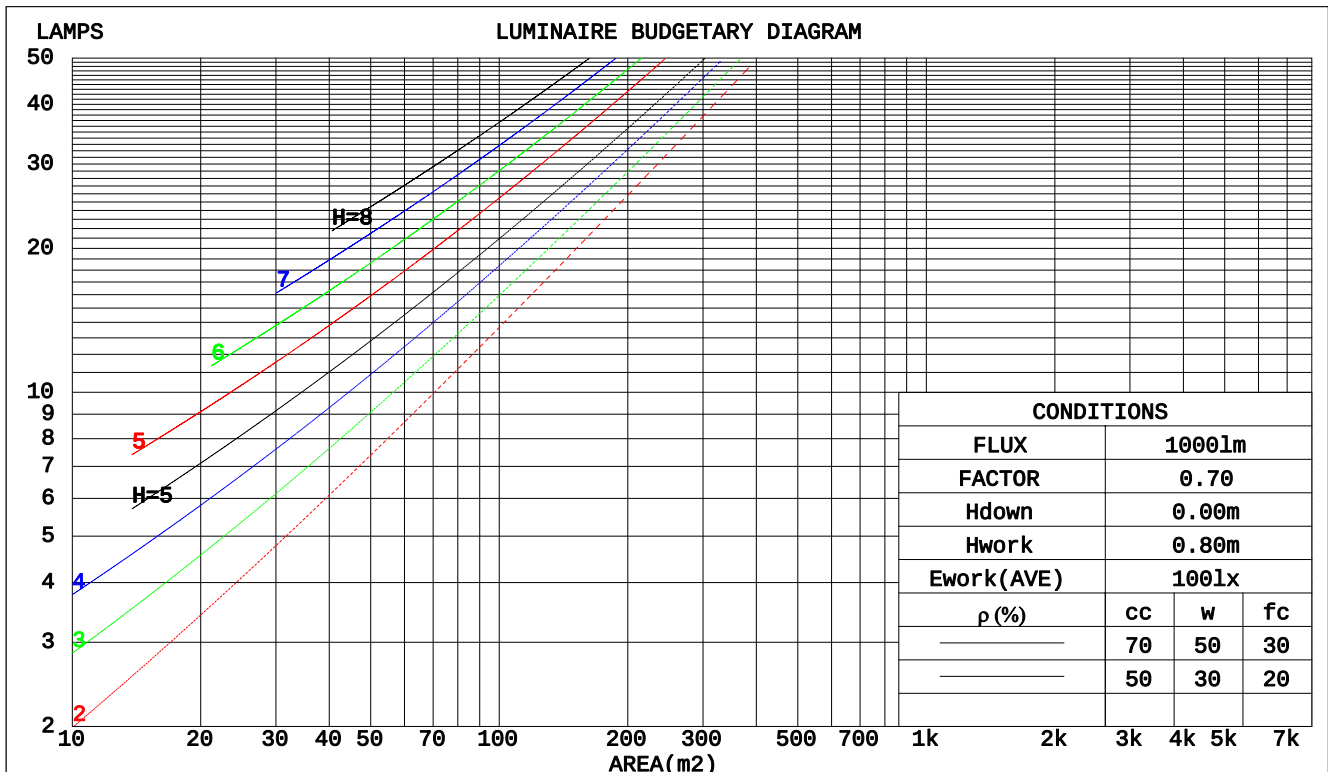
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

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	1.04	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.75	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.46	.40	.51	.45	.40	.38
7.0	.51	.43	.37	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.38	.33	.46	.38	.32	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hexy
 Test Date:2016-06-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.437m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm									
NAME: Inseparable SSL Luminaire					TYPE:N/A			WEIGHT:N/A	
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A	
MFR.: Libo					SUR.:N/A			Shielding Angle:N/A	

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	.306	.174	.055	.299	.170	.054	.285	.164	.052	.273	.158	.051	.262	.152	.049	
2.0	.289	.158	.049	.283	.156	.048	.271	.151	.047	.260	.146	.046	.250	.142	.045	
3.0	.268	.143	.043	.262	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.105	.030	.201	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.147	.074	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.141	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.059	.135	.088	.052	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hexy
 Test Date:2016-06-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.437m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm											
NAME: Inseparable SSL Luminaire					TYPE:N/A			WEIGHT:N/A			
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A			
MFR.: Libo					SUR.:N/A			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		15.7	17.2	16.0	17.4	17.7	15.7	17.2	16.0	17.4	17.6
	3H	17.2	18.6	17.5	18.9	19.1	17.2	18.6	17.5	18.9	19.1
	4H	17.8	19.2	18.1	19.4	19.7	17.8	19.2	18.2	19.4	19.7
	6H	18.2	19.5	18.5	19.7	20.0	18.3	19.5	18.6	19.8	20.1
	8H	18.3	19.5	18.6	19.8	20.1	18.4	19.6	18.8	19.9	20.2
	12H	18.3	19.5	18.7	19.8	20.1	18.5	19.7	18.8	20.0	20.3
4H	2H	16.3	17.7	16.7	17.9	18.2	16.3	17.7	16.6	17.9	18.2
	3H	18.0	19.2	18.4	19.5	19.8	18.0	19.2	18.4	19.5	19.8
	4H	18.8	19.8	19.1	20.1	20.5	18.8	19.8	19.2	20.2	20.5
	6H	19.3	20.2	19.7	20.5	20.9	19.3	20.3	19.7	20.6	21.0
	8H	19.4	20.3	19.8	20.6	21.0	19.5	20.4	19.9	20.8	21.2
	12H	19.5	20.3	19.9	20.6	21.1	19.7	20.5	20.1	20.8	21.3
8H	4H	19.0	19.9	19.4	20.3	20.7	19.0	19.9	19.5	20.3	20.7
	6H	19.7	20.4	20.1	20.8	21.2	19.8	20.5	20.2	20.9	21.3
	8H	19.9	20.5	20.3	21.0	21.4	20.0	20.7	20.5	21.1	21.6
	12H	20.0	20.5	20.5	21.0	21.5	20.2	20.8	20.7	21.2	21.7
12H	4H	19.0	19.8	19.5	20.2	20.6	19.1	19.9	19.5	20.3	20.7
	6H	19.7	20.4	20.2	20.8	21.2	19.8	20.5	20.3	20.9	21.3
	8H	20.0	20.5	20.4	21.0	21.5	20.1	20.7	20.6	21.1	21.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 701.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.2)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

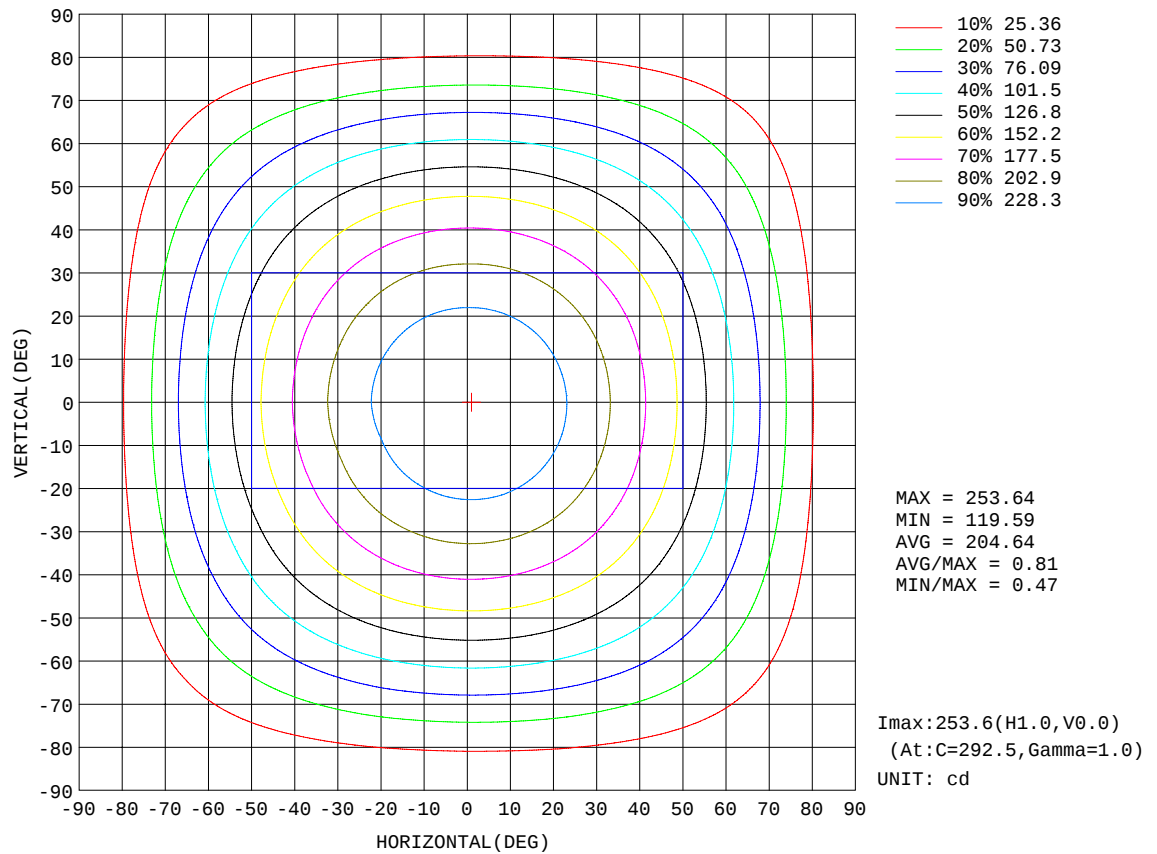
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	48	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	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: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hexy
 Test Date:2016-06-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.437m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

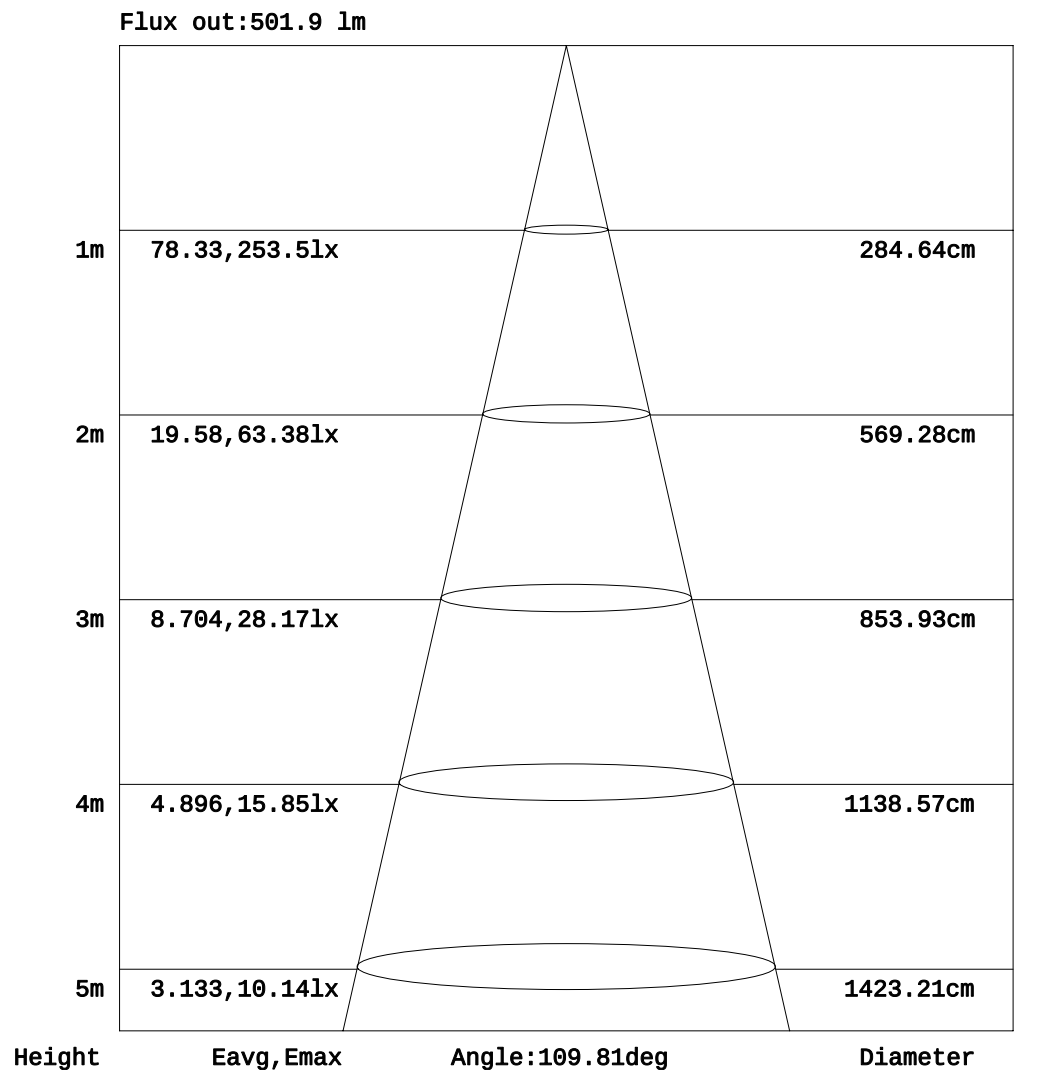


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A



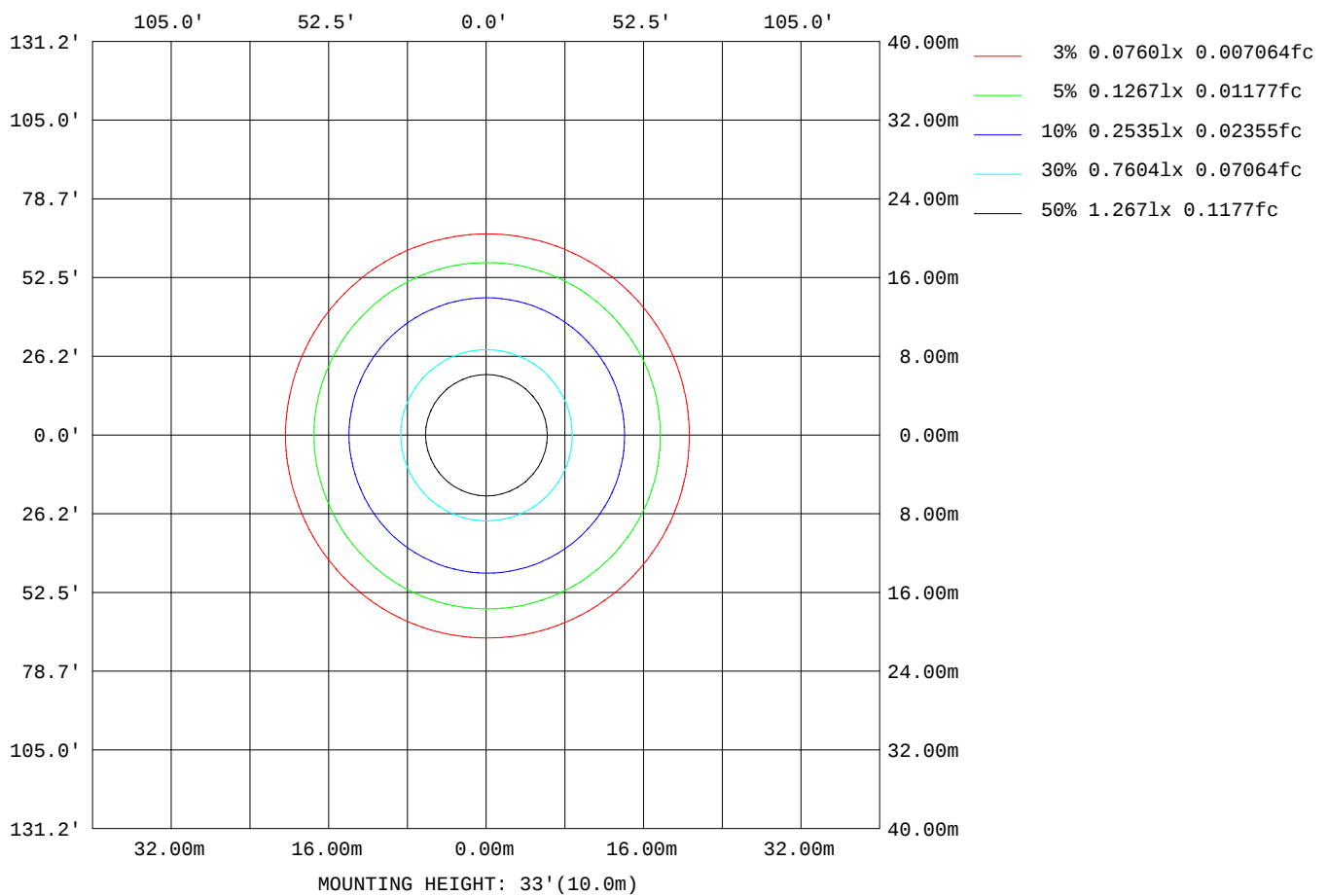
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

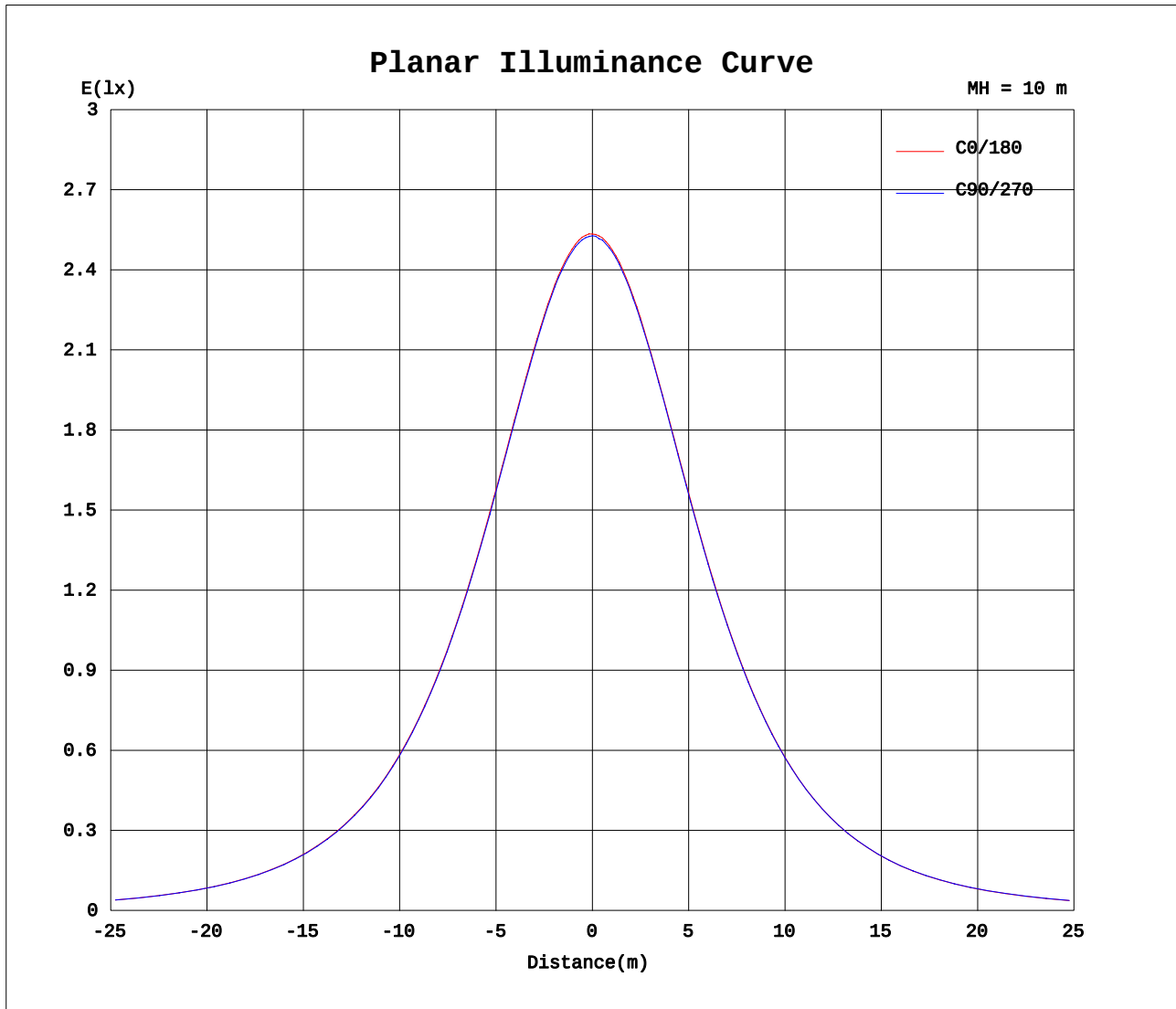
AvgL	cd/m2
L_0~180(65)av	2034
L_0~180(75)av	1730
L_0~180(85)av	862
L_90~270(65)av	2046
L_90~270(75)av	1791
L_90~270(85)av	1278
L_45(65)av	2042
L_45(75)av	1766
L_45(85)av	1066

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.437m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.1DEG
Operators: Hexy
Test Date: 2016-06-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity: 47%
Test Distance: 2.437m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.0959A P:11.45W PF:0.9940 Lamp Flux:701.497x1 lm		
NAME: Inseparable SSL Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	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	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253			
5	252	252	252	252	252	252	251	251	251	251	251	251	251	252	252	252			
10	248	248	248	248	248	248	247	247	247	247	247	247	247	248	248	248			
15	242	242	242	242	242	242	241	241	241	241	241	241	241	242	242	242			
20	234	234	234	234	234	233	232	232	232	232	232	232	232	233	233	234			
25	223	224	224	224	223	223	222	221	222	221	221	221	221	222	223	224			
30	211	212	212	211	211	210	209	208	209	209	208	209	209	210	211	211			
35	197	198	198	197	197	196	195	194	195	194	194	194	195	196	196	197			
40	182	182	182	182	181	180	179	178	179	179	178	179	179	180	181	182			
45	165	165	165	165	164	164	162	161	162	161	161	162	162	163	164	165			
50	147	148	148	147	147	146	144	143	144	143	143	144	144	145	146	147			
55	128	129	129	128	128	127	125	124	125	124	124	125	125	126	127	129			
60	108	109	109	109	108	107	106	104	104	104	104	105	105	106	107	109			
65	87.9	88.8	89.0	88.8	87.9	87.2	85.5	83.9	84.0	83.5	83.6	84.5	85.0	86.0	87.2	88.3			
70	67.0	67.9	68.6	68.4	67.7	66.9	65.1	63.3	63.5	63.0	63.3	64.2	64.8	65.8	66.8	67.6			
75	46.3	47.1	48.0	48.3	47.7	46.9	44.9	43.0	43.3	42.9	43.3	44.2	45.0	46.0	46.6	47.1			
80	26.2	27.2	28.4	29.1	28.8	27.8	25.8	23.9	24.1	23.8	24.5	25.6	26.5	27.2	27.3	27.4			
85	8.12	9.07	10.6	12.0	12.0	11.0	8.70	6.54	6.91	6.86	7.85	9.40	10.3	10.6	9.99	9.59			
90	0.06	0.06	0.05	0.04	0.03	0.03	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.12			
95	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
100	0.06	0.06	0.08	0.07	0.06	0.07	0.08	0.06	0.03	0.03	0.04	0.04	0.03	0.04	0.03	0.03			
105	0.07	0.07	0.08	0.08	0.07	0.08	0.08	0.07	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.04			
110	0.07	0.08	0.08	0.08	0.07	0.08	0.08	0.07	0.05	0.05	0.06	0.06	0.05	0.06	0.05	0.05			
115	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.06			
120	0.08	0.09	0.09	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08			
125	0.09	0.09	0.10	0.10	0.09	0.10	0.10	0.09	0.10	0.09	0.10	0.10	0.11	0.10	0.09	0.09			
130	0.11	0.11	0.12	0.12	0.11	0.12	0.12	0.11	0.11	0.11	0.11	0.12	0.11	0.12	0.11	0.10			
135	0.13	0.13	0.14	0.14	0.14	0.15	0.14	0.14	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13			
140	0.16	0.16	0.17	0.17	0.17	0.18	0.17	0.16	0.14	0.13	0.14	0.14	0.15	0.15	0.14	0.14			
145	0.20	0.20	0.21	0.22	0.23	0.22	0.21	0.20	0.15	0.15	0.16	0.16	0.16	0.16	0.15	0.15			
150	0.23	0.25	0.25	0.26	0.26	0.26	0.25	0.24	0.16	0.16	0.16	0.17	0.17	0.17	0.16	0.17			
155	0.26	0.27	0.28	0.28	0.28	0.29	0.27	0.27	0.18	0.17	0.18	0.18	0.18	0.19	0.17	0.18			
160	0.29	0.30	0.30	0.30	0.30	0.31	0.30	0.29	0.19	0.18	0.18	0.19	0.18	0.19	0.19	0.20			
165	0.30	0.30	0.29	0.29	0.30	0.30	0.30	0.29	0.19	0.19	0.18	0.19	0.20	0.20	0.19	0.21			
170	0.28	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.20	0.20	0.19	0.19	0.20	0.20	0.20	0.20			
175	0.27	0.26	0.26	0.25	0.25	0.26	0.27	0.27	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.22			
180	0.23	0.23	0.22	0.22	0.22	0.22	0.23	0.24	0.24	0.24	0.23	0.22	0.22	0.22	0.23	0.24			

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