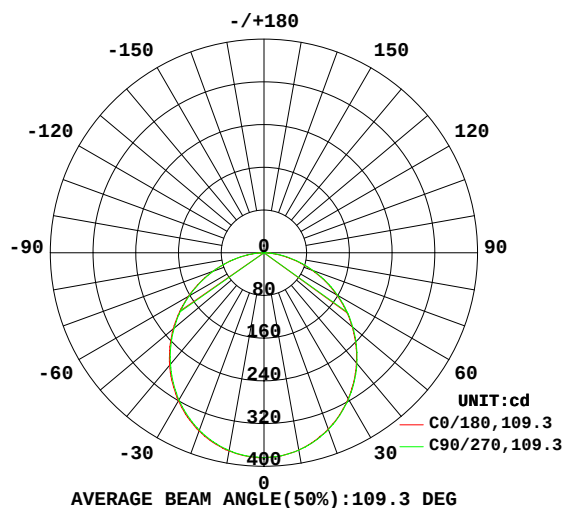


LUMINAIRE PHOTOMETRIC TEST REPORT

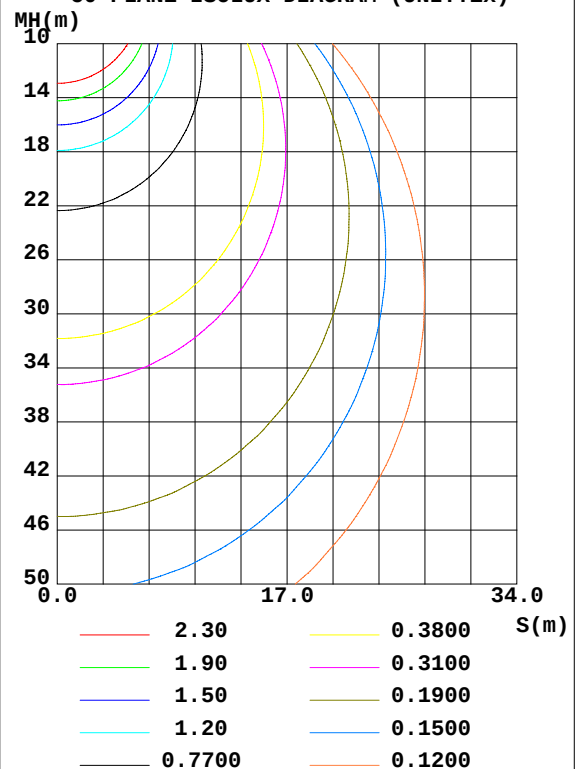
Test:U:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 lm		
NAME: led Downlight retrofits	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.99 lm/W			
MODEL	RSZ160622517-10	Imax(cd)	384.0	S/MH(C0/180)	1.23
NOMINAL POWER(W)	17	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1061.8	η UP, DN(C0-180)	0.1, 50.2
NOMINAL FLUX(lm)	1061.85	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.7
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	376.9	376.8	376.0	375.0	374.9	374.8	375.3	376.6	0- 10	36.25	36.25	3.41, 3.41
20	355.1	355.2	353.8	351.9	351.4	351.4	352.4	354.5	10- 20	103.3	139.6	13.1, 13.1
30	320.3	320.3	318.5	315.8	315.5	315.1	316.6	319.7	20- 30	155.2	294.8	27.8, 27.8
40	274.9	275.1	272.6	269.7	269.4	269.0	270.7	274.3	30- 40	185.1	479.9	45.2, 45.2
50	221.8	222.1	219.5	216.2	215.6	215.3	217.3	221.2	40- 50	189.8	669.7	63.1, 63.1
60	163.4	163.9	161.7	157.8	157.1	156.7	159.0	163.0	50- 60	169.8	839.5	79.1, 79.1
70	101.7	103.1	101.4	97.19	95.78	95.67	98.21	101.6	60- 70	128.6	968.1	91.2, 91.2
80	42.75	44.73	43.99	39.79	38.31	38.46	41.09	43.20	70- 80	73.72	1042	98.1, 98.1
90	0.1377	0.0678	0.1163	0.0585	0.0310	0.0312	0.0316	0.0474	80- 90	19.03	1061	99.9, 99.9
100	0.0872	0.1011	0.0930	0.1042	0.0511	0.0542	0.0534	0.0519	90-100	0.0649	1061	99.9, 99.9
110	0.1031	0.1122	0.1125	0.1171	0.0795	0.0835	0.0830	0.0776	100-110	0.0915	1061	99.9, 99.9
120	0.1193	0.1182	0.1215	0.1261	0.1171	0.1155	0.1155	0.1086	110-120	0.1049	1061	99.9, 99.9
130	0.1566	0.1561	0.1642	0.1658	0.1575	0.1558	0.1511	0.1446	120-130	0.1210	1061	99.9, 99.9
140	0.2265	0.2401	0.2454	0.2477	0.2001	0.2020	0.1965	0.1907	130-140	0.1431	1061	100, 100
150	0.3363	0.3642	0.3712	0.3714	0.2263	0.2300	0.2348	0.2253	140-150	0.1611	1062	100, 100
160	0.4279	0.4288	0.4320	0.4463	0.2674	0.2647	0.2741	0.2556	150-160	0.1507	1062	100, 100
170	0.4061	0.3965	0.3975	0.4106	0.2941	0.2811	0.2820	0.2823	160-170	0.0993	1062	100, 100
180	0.3578	0.3401	0.3347	0.3588	0.3598	0.3484	0.3346	0.3469	170-180	0.0329	1062	100, 100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 9.4 %									UNIT:lm		

Conical surface Flux(90deg): 575.85 lm

%lum = 54.2%

%lamp = 54.2%

Conical surface Flux(120deg): 839.52 lm

%lum = 79.1%

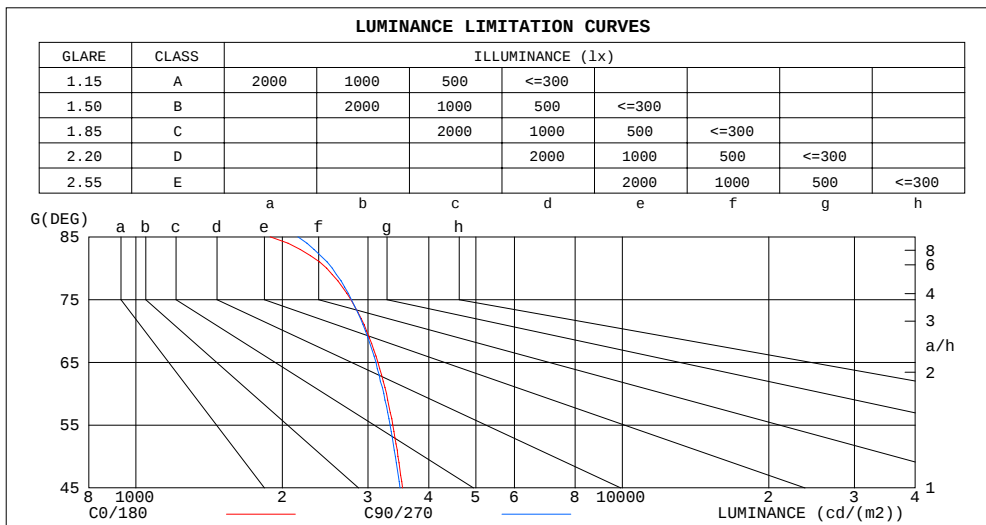
%lamp = 79.1%

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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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	1889	2153
80	2467	2534
75	2767	2774
70	2980	2965
65	3144	3115
60	3275	3234
55	3373	3332
50	3458	3416
45	3533	3490

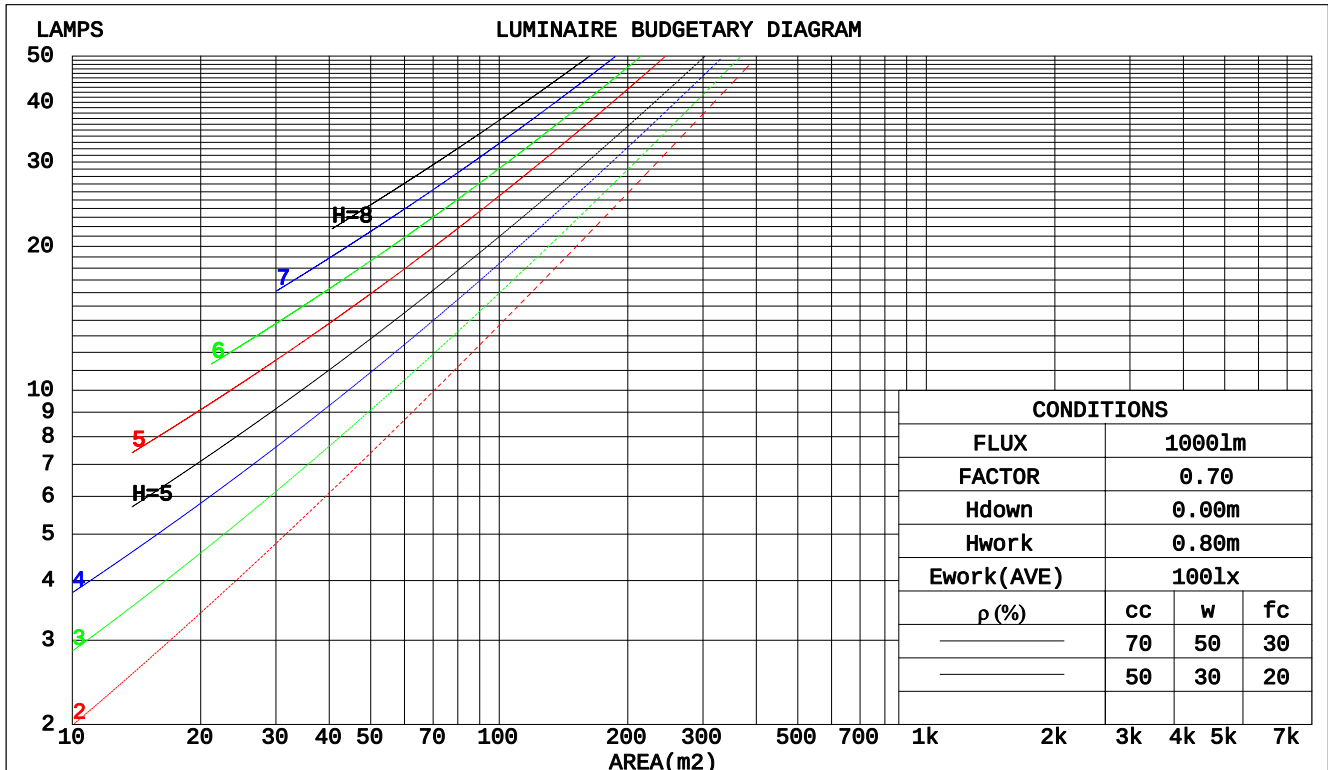
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.59	.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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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	.307	.175	.055	.300	.171	.054	.287	.165	.053	.275	.159	.051	.264	.153	.049	
2.0	.290	.159	.049	.284	.156	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.234	.130	.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	.202	.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	.116	.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	.051	.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	.023	.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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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	2H	17.1	18.6	17.4	18.9	19.1	17.1	18.6	17.4	18.8	19.0
	3H	18.7	20.1	19.0	20.3	20.5	18.6	20.0	18.9	20.2	20.5
	4H	19.3	20.6	19.6	20.8	21.1	19.2	20.6	19.5	20.8	21.1
	6H	19.7	20.9	20.0	21.2	21.5	19.7	20.9	20.0	21.2	21.5
	8H	19.8	21.0	20.2	21.3	21.6	19.8	21.0	20.2	21.3	21.6
	12H	19.9	21.0	20.2	21.3	21.6	19.9	21.1	20.3	21.4	21.7
4H	2H	17.7	19.1	18.1	19.3	19.6	17.7	19.0	18.0	19.3	19.6
	3H	19.5	20.6	19.8	20.9	21.2	19.4	20.6	19.8	20.9	21.2
	4H	20.2	21.3	20.6	21.6	21.9	20.2	21.2	20.5	21.6	21.9
	6H	20.7	21.7	21.1	22.0	22.4	20.8	21.7	21.2	22.1	22.4
	8H	20.9	21.8	21.3	22.2	22.6	21.0	21.8	21.4	22.2	22.6
	12H	21.0	21.8	21.5	22.2	22.6	21.1	21.9	21.5	22.3	22.7
8H	4H	20.5	21.3	20.9	21.7	22.1	20.5	21.3	20.9	21.7	22.1
	6H	21.2	21.9	21.6	22.3	22.7	21.2	21.9	21.6	22.3	22.8
	8H	21.4	22.1	21.9	22.5	23.0	21.5	22.1	21.9	22.6	23.0
	12H	21.6	22.2	22.1	22.6	23.1	21.7	22.3	22.2	22.7	23.2
12H	4H	20.5	21.3	20.9	21.7	22.1	20.5	21.3	20.9	21.7	22.1
	6H	21.2	21.9	21.7	22.3	22.8	21.3	21.9	21.7	22.3	22.8
	8H	21.5	22.1	22.0	22.6	23.0	21.6	22.1	22.1	22.6	23.1
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					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 1062 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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

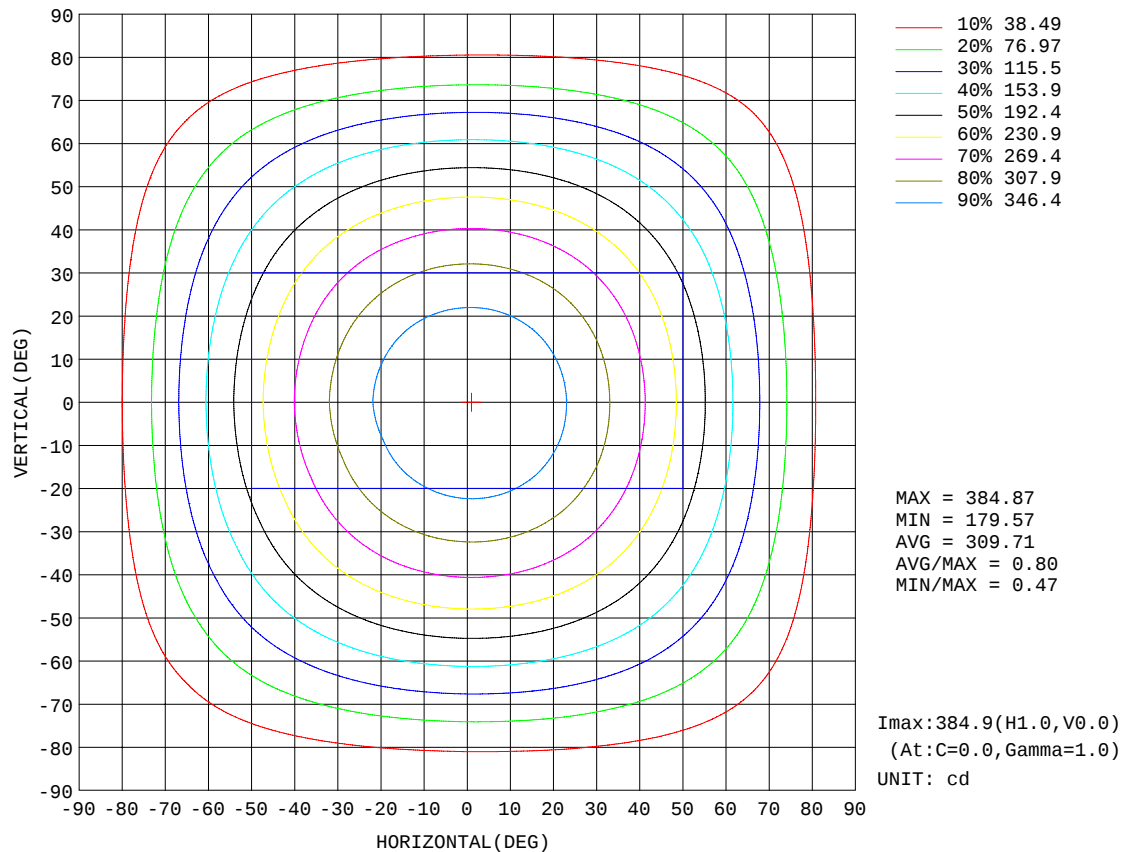
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	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	78	72	87	78	71	84	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	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					SHRNM = 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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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

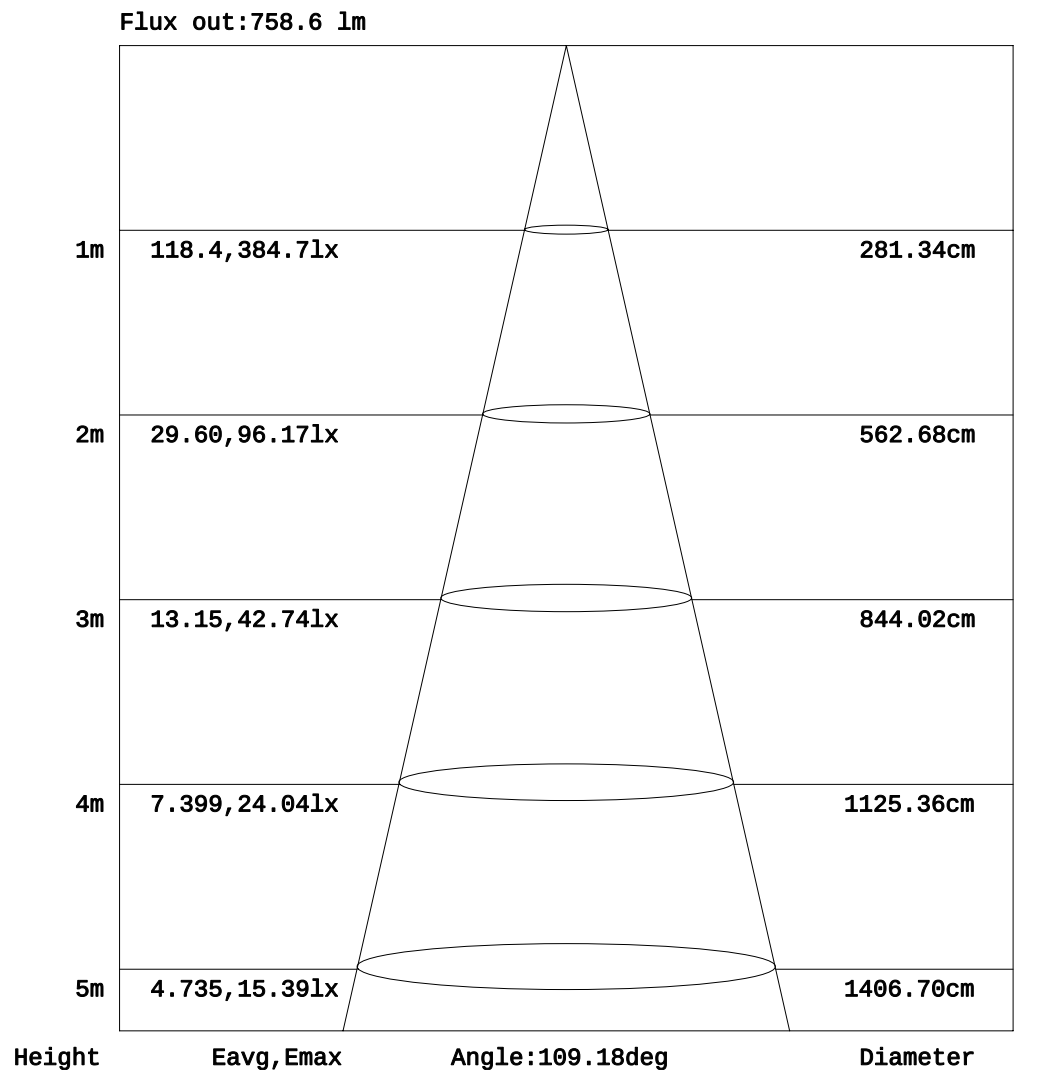


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hexy
Test Date:2016-06-23

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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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



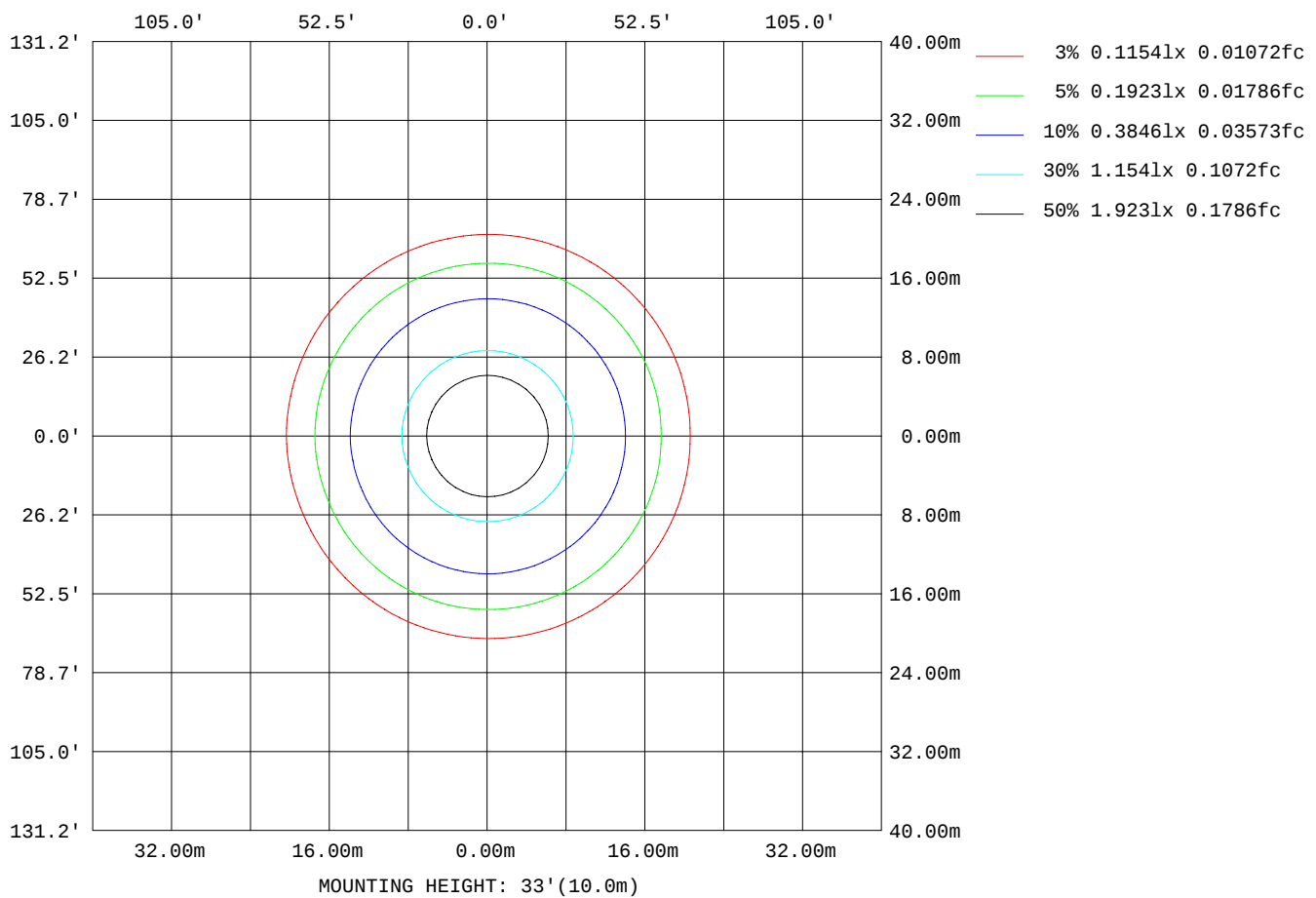
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 lm		
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SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
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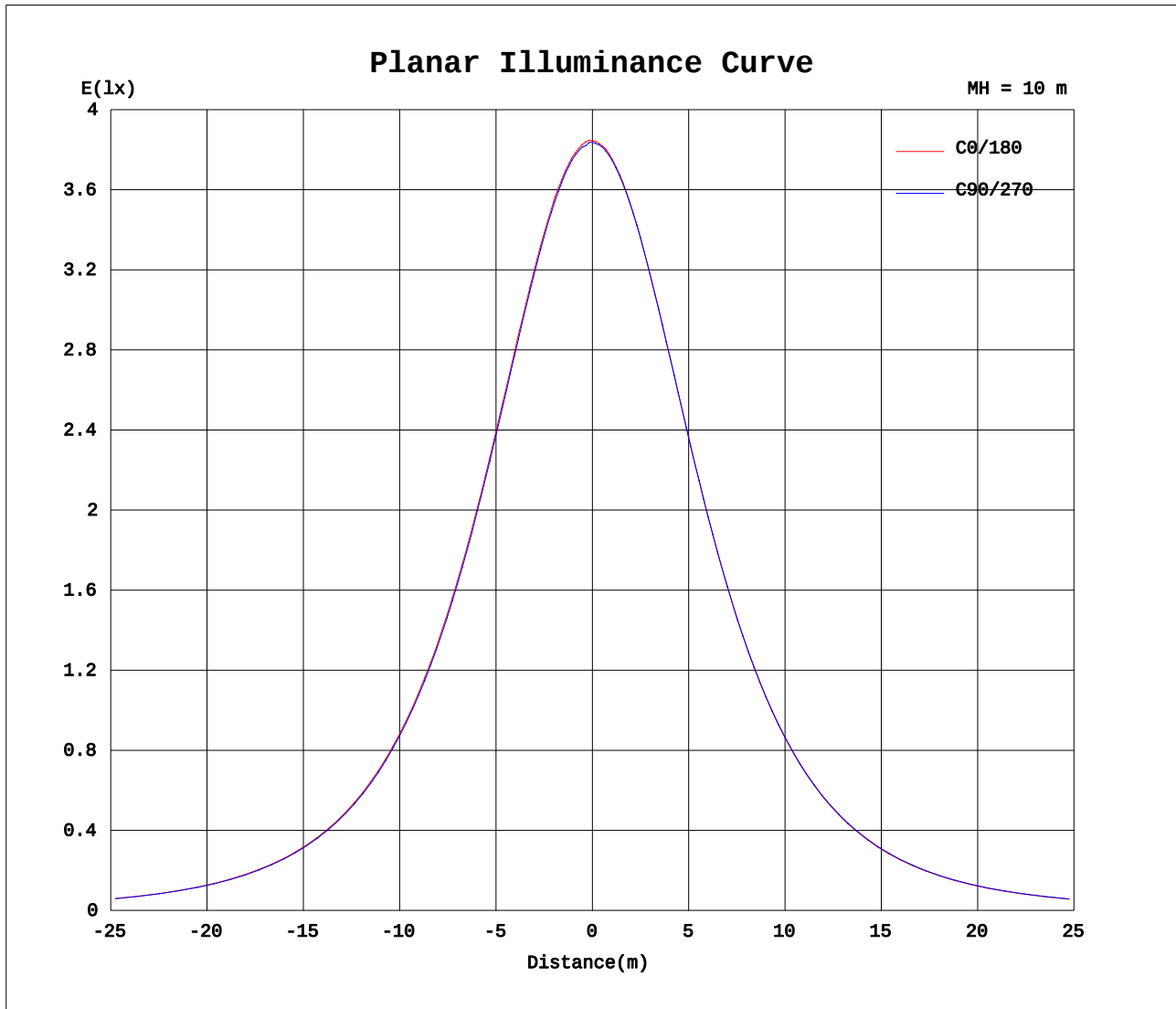
AvgL	cd/m2
L_0~180(65)av	3069
L_0~180(75)av	2658
L_0~180(85)av	1708
L_90~270(65)av	3083
L_90~270(75)av	2714
L_90~270(85)av	2017
L_45(65)av	3079
L_45(75)av	2689
L_45(85)av	1865

Standard: GB/T 29293-2012

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Remarks:

Planar Illuminance Curve



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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1367A P:16.34W PF:0.9960 Lamp Flux:1061.85x1 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	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384			
5	382	382	382	382	382	382	381	381	381	381	381	381	381	382	382	383			
10	377	377	377	376	376	376	375	375	375	375	375	375	375	376	377	377			
15	368	368	368	367	367	366	365	365	365	365	365	365	366	367	367	368			
20	355	355	355	354	354	353	352	351	351	351	351	352	352	354	355	356			
25	339	340	339	338	337	336	335	334	335	335	335	335	336	337	339	340			
30	320	321	320	320	318	317	316	315	316	315	315	316	317	318	320	321			
35	299	299	299	298	297	295	294	293	294	293	293	294	295	296	298	300			
40	275	276	275	274	273	271	270	269	269	269	269	269	271	273	274	276			
45	249	250	249	248	247	246	244	242	243	243	243	243	245	247	248	250			
50	222	222	222	221	220	218	216	215	216	215	215	216	217	219	221	223			
55	193	194	193	192	191	190	187	186	187	186	187	187	189	191	192	194			
60	163	164	164	163	162	160	158	156	157	157	157	158	159	161	163	165			
65	133	134	134	133	132	130	128	126	127	126	127	128	129	131	133	134			
70	102	103	103	103	101	99.6	97.2	95.1	95.8	95.3	95.7	96.8	98.2	100.0	102	103			
75	71.5	72.5	73.1	73.0	71.8	70.1	67.6	65.4	66.1	65.7	66.1	67.4	68.7	70.4	71.6	72.7			
80	42.8	43.8	44.7	45.0	44.0	42.4	39.8	37.5	38.3	37.9	38.5	39.7	41.1	42.4	43.2	44.1			
85	16.4	17.6	18.8	19.3	18.8	17.2	14.7	12.4	13.4	13.2	14.0	15.4	16.4	17.2	17.6	18.0			
90	0.14	0.13	0.07	0.14	0.12	0.10	0.06	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.19			
95	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
100	0.09	0.09	0.10	0.10	0.09	0.10	0.10	0.09	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05			
105	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06			
110	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.11	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07			
115	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.11	0.10	0.09	0.10	0.10	0.10	0.10	0.09	0.09			
120	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.12	0.12	0.11	0.12	0.12	0.12	0.11	0.11	0.10			
125	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.14	0.13	0.13	0.13	0.12			
130	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.14	0.15			
135	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.19	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17			
140	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.23	0.20	0.19	0.20	0.20	0.20	0.19	0.19	0.19			
145	0.28	0.29	0.31	0.31	0.32	0.32	0.31	0.29	0.21	0.21	0.22	0.22	0.22	0.22	0.21	0.21			
150	0.34	0.36	0.36	0.37	0.37	0.38	0.37	0.35	0.23	0.22	0.23	0.24	0.23	0.23	0.23	0.23			
155	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.40	0.25	0.24	0.25	0.26	0.26	0.26	0.25	0.26			
160	0.43	0.43	0.43	0.44	0.43	0.45	0.45	0.43	0.27	0.26	0.26	0.27	0.27	0.27	0.26	0.27			
165	0.42	0.42	0.42	0.42	0.43	0.44	0.44	0.43	0.28	0.27	0.27	0.28	0.28	0.28	0.27	0.28			
170	0.41	0.40	0.40	0.39	0.40	0.40	0.41	0.41	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.29			
175	0.40	0.39	0.39	0.37	0.37	0.39	0.40	0.40	0.32	0.32	0.31	0.30	0.30	0.29	0.31	0.32			
180	0.36	0.35	0.34	0.33	0.33	0.34	0.36	0.36	0.36	0.36	0.35	0.34	0.33	0.34	0.35	0.36			

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