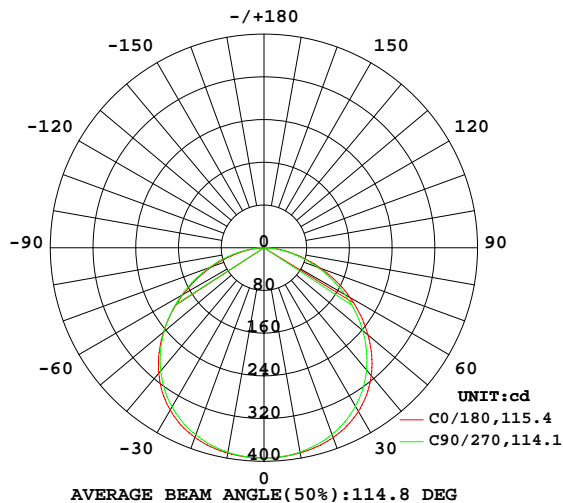


LUMINAIRE PHOTOMETRIC TEST REPORT

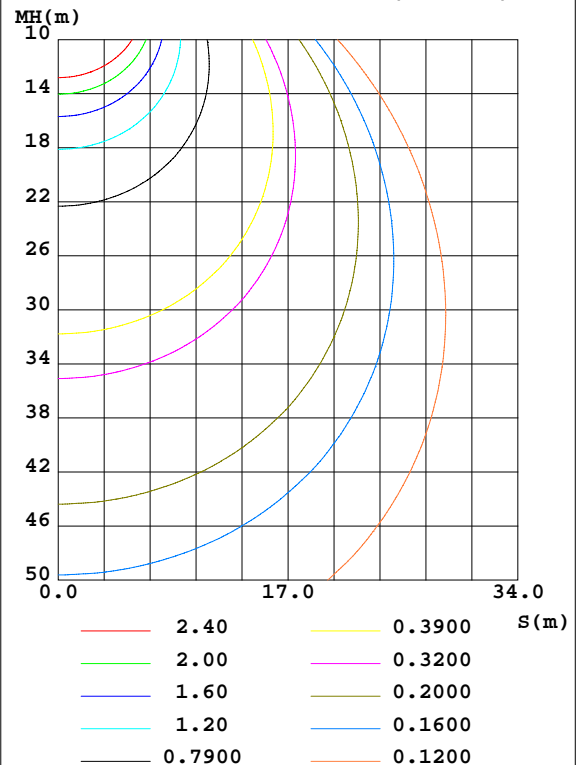
Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount Luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 63.24 lm/W			
MODEL	RSZ180416516-10	Imax(cd)	394.4	S/MH(C0/180)	1.33
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1166.7	η UP,DN(C0-180)	0.1,50.0
NOMINAL FLUX(lm)	1166.73	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.9
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:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [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	390.4	389.9	388.8	389.8	390.0	389.4	388.8	389.9	0- 10	37.41	37.41	3.21,3.21
20	377.9	375.9	372.9	375.5	378.2	375.3	372.2	375.5	10- 20	108.5	145.9	12.5,12.5
30	351.1	348.4	344.2	349.0	353.7	348.4	342.6	347.4	20- 30	167.7	313.6	26.9,26.9
40	306.8	304.4	301.0	306.9	312.5	305.7	298.9	303.1	30- 40	205.5	519.1	44.5,44.5
50	245.5	245.3	244.4	249.9	254.3	247.7	241.4	244.3	40- 50	213.8	732.9	62.8,62.8
60	175.4	176.5	178.5	183.0	185.7	179.9	175.3	176.1	50- 60	190.7	923.6	79.2,79.2
70	103.7	105.8	109.9	112.8	113.5	109.0	106.4	105.4	60- 70	142.0	1066	91.3,91.3
80	39.05	41.39	45.83	47.18	47.66	44.90	43.88	41.74	70- 80	79.40	1145	98.1,98.1
90	0.0630	0.1250	0.2777	0.3189	0.5308	0.1152	0.0461	0.0321	80- 90	20.66	1166	99.9,99.9
100	0.1008	0.0952	0.0885	0.0910	0.0503	0.0491	0.0511	0.0551	90-100	0.0706	1166	99.9,99.9
110	0.1182	0.1102	0.1029	0.1069	0.0777	0.0739	0.0789	0.0842	100-110	0.0893	1166	99.9,99.9
120	0.1319	0.1286	0.1215	0.1226	0.1121	0.1048	0.1160	0.1180	110-120	0.1044	1166	99.9,99.9
130	0.1870	0.1783	0.1683	0.1703	0.1509	0.1447	0.1591	0.1627	120-130	0.1258	1166	99.9,99.9
140	0.2850	0.2704	0.2505	0.2701	0.2086	0.1983	0.2042	0.2097	130-140	0.1540	1166	100,100
150	0.4275	0.4136	0.3610	0.4145	0.2578	0.2510	0.2459	0.2501	140-150	0.1763	1166	100,100
160	0.5015	0.4895	0.4674	0.4889	0.2906	0.2857	0.3072	0.2868	150-160	0.1675	1167	100,100
170	0.4497	0.4505	0.4558	0.4569	0.2898	0.3059	0.3431	0.3123	160-170	0.1104	1167	100,100
180	0.3762	0.3985	0.4089	0.3827	0.3751	0.3743	0.4054	0.3929	170-180	0.0366	1167	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 8.4 %									UNIT:lm		

Conical surface Flux(90deg): 626.97 lm

%lum = 53.7%

%lamp = 53.7%

Conical surface Flux(120deg): 923.61 lm

%lum = 79.2%

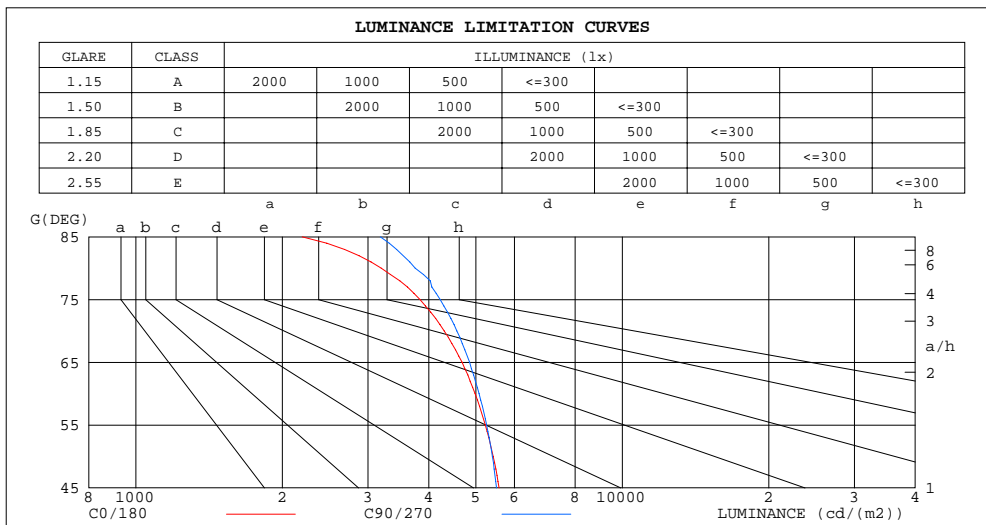
%lamp = 79.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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	2198	3180
80	3194	3753
75	3838	4223
70	4304	4569
65	4685	4854
60	4983	5075
55	5227	5259
50	5425	5407
45	5578	5515

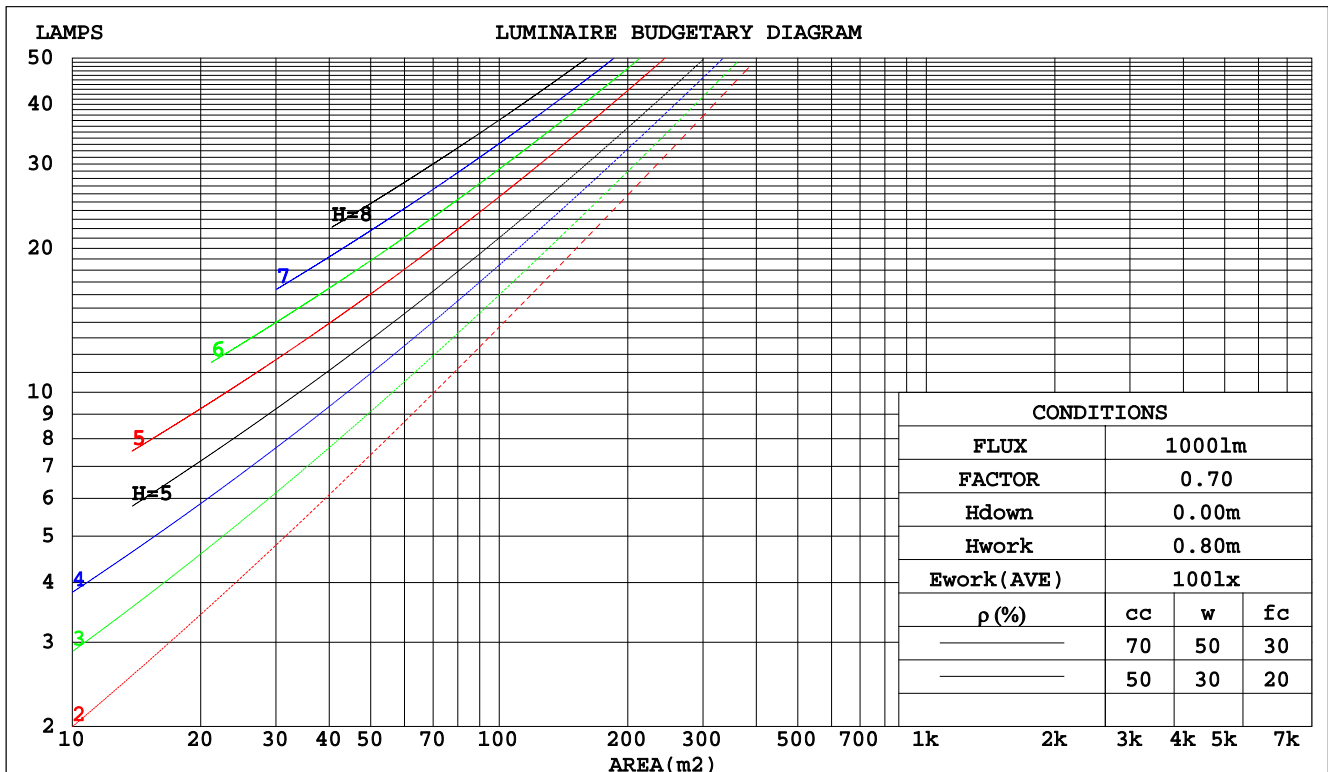
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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

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	1.11	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	.73	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.59
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm					
NAME: LED Cabinet Mount 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

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	.308	.175	.055	.301	.172	.055	.288	.165	.053	.275	.159	.051	.264	.153	.049		
2.0	.291	.159	.049	.284	.157	.048	.273	.152	.047	.262	.147	.046	.252	.142	.045		
3.0	.269	.143	.043	.264	.141	.043	.254	.137	.042	.244	.134	.041	.235	.130	.040		
4.0	.249	.129	.038	.244	.128	.038	.235	.125	.037	.226	.122	.037	.218	.119	.036		
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.109	.033		
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.172	.087	.025	.166	.085	.025		
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.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	.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	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.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	.029	.051	.032	.017	.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	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm											
NAME: LED Cabinet Mount 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	18.6	20.1	18.9	20.3	20.5	18.6	20.1	18.9	20.3	20.6	
	3H	20.0	21.4	20.3	21.6	21.8	20.1	21.5	20.4	21.7	22.0
	4H	20.5	21.8	20.8	22.1	22.3	20.7	22.0	21.0	22.3	22.5
	6H	20.8	22.1	21.1	22.3	22.6	21.1	22.3	21.4	22.6	22.9
	8H	20.9	22.1	21.2	22.4	22.7	21.2	22.4	21.5	22.7	23.0
	12H	20.9	22.1	21.3	22.4	22.7	21.3	22.4	21.6	22.7	23.1
4H	2H	19.2	20.5	19.5	20.8	21.0	19.2	20.5	19.5	20.8	21.0
	3H	20.7	21.9	21.1	22.2	22.5	20.8	22.0	21.2	22.3	22.6
	4H	21.4	22.4	21.7	22.7	23.1	21.5	22.6	21.9	22.9	23.3
	6H	21.8	22.7	22.2	23.1	23.5	22.1	23.0	22.5	23.4	23.7
	8H	21.9	22.8	22.3	23.2	23.6	22.2	23.1	22.7	23.5	23.9
	12H	22.0	22.8	22.4	23.2	23.6	22.4	23.2	22.8	23.6	24.0
8H	4H	21.6	22.5	22.0	22.8	23.2	21.8	22.6	22.2	23.0	23.4
	6H	22.2	22.9	22.6	23.3	23.7	22.4	23.2	22.9	23.6	24.0
	8H	22.4	23.0	22.8	23.4	23.9	22.7	23.3	23.1	23.7	24.2
	12H	22.5	23.0	22.9	23.5	24.0	22.9	23.4	23.3	23.9	24.3
12H	4H	21.6	22.4	22.0	22.8	23.2	21.8	22.6	22.2	23.0	23.4
	6H	22.2	22.9	22.7	23.3	23.7	22.5	23.1	22.9	23.5	24.0
	8H	22.4	23.0	22.9	23.4	23.9	22.7	23.3	23.2	23.8	24.2
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 / - 0.2					

CIE Pub.117 Corrected 1167 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.5)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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

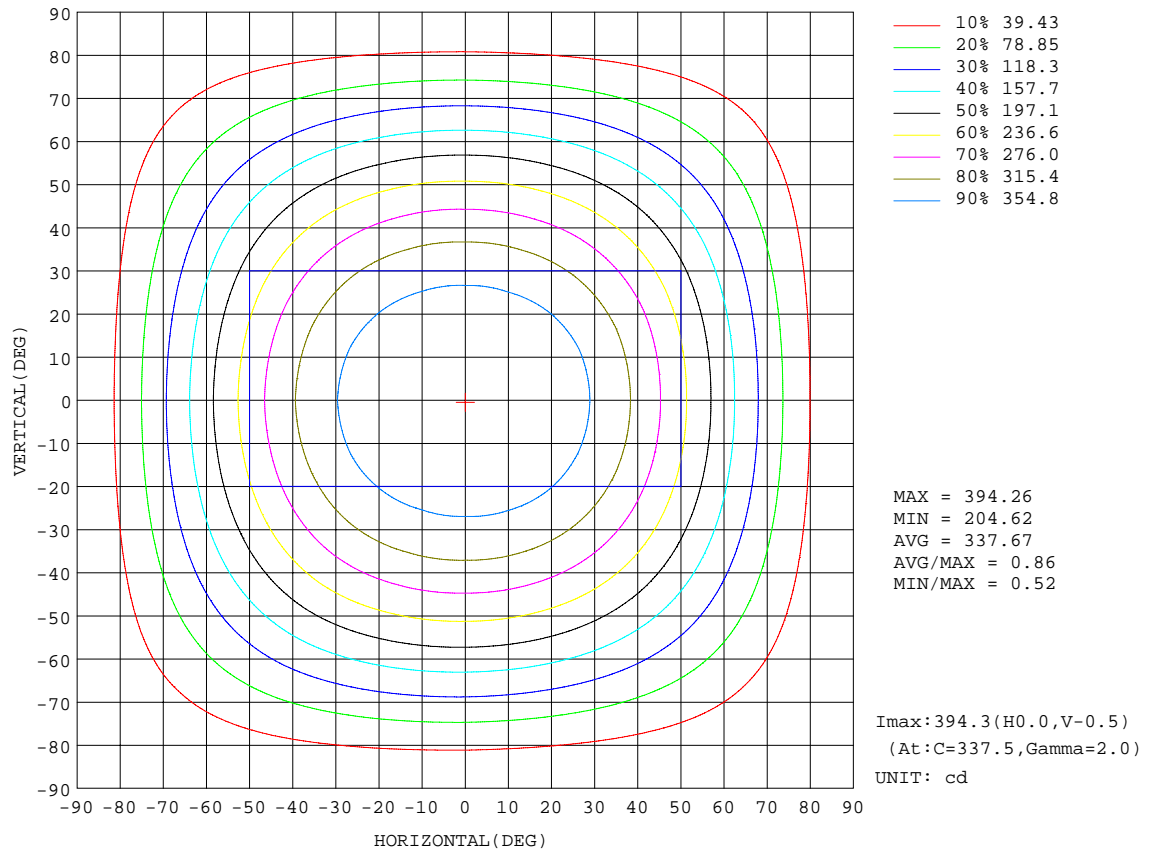
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	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	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	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:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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

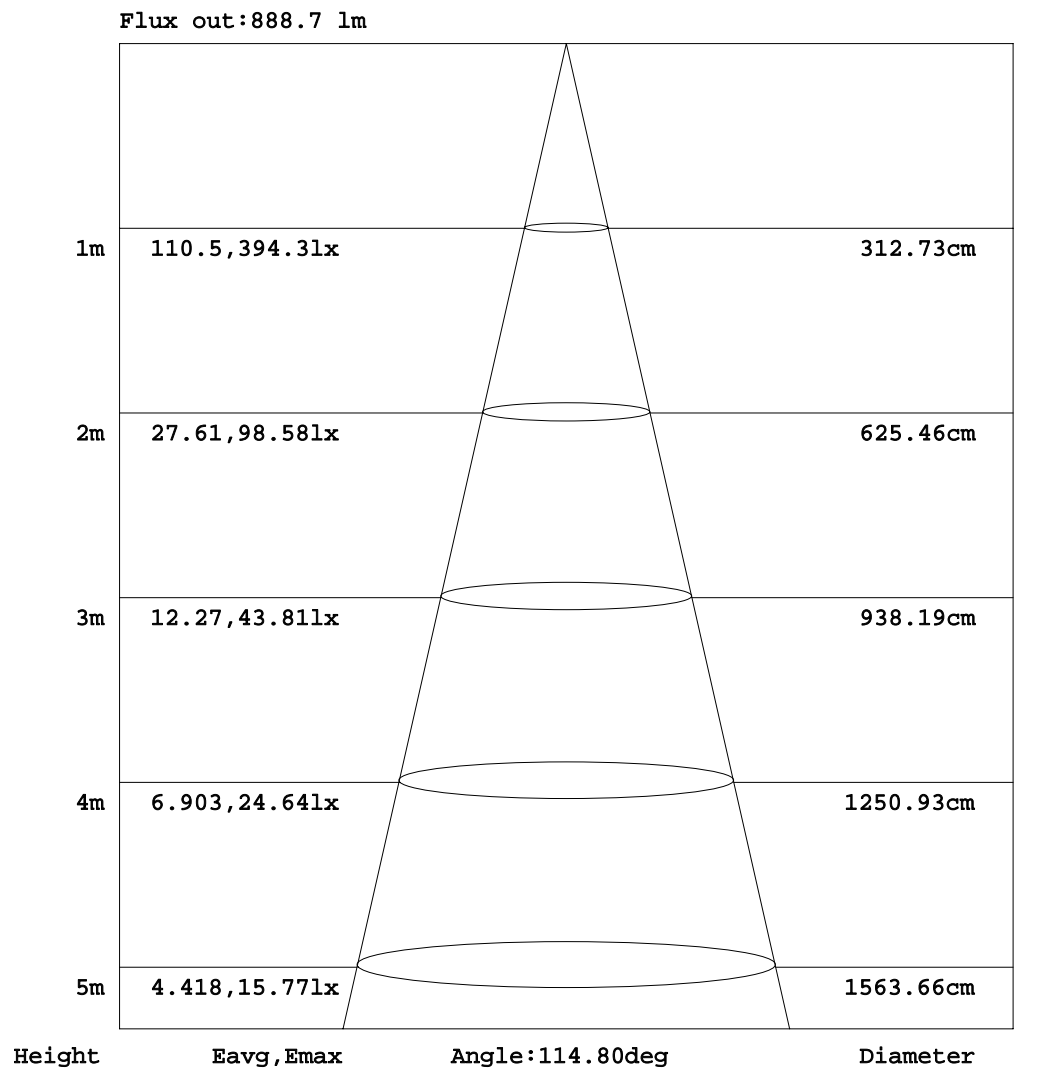


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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



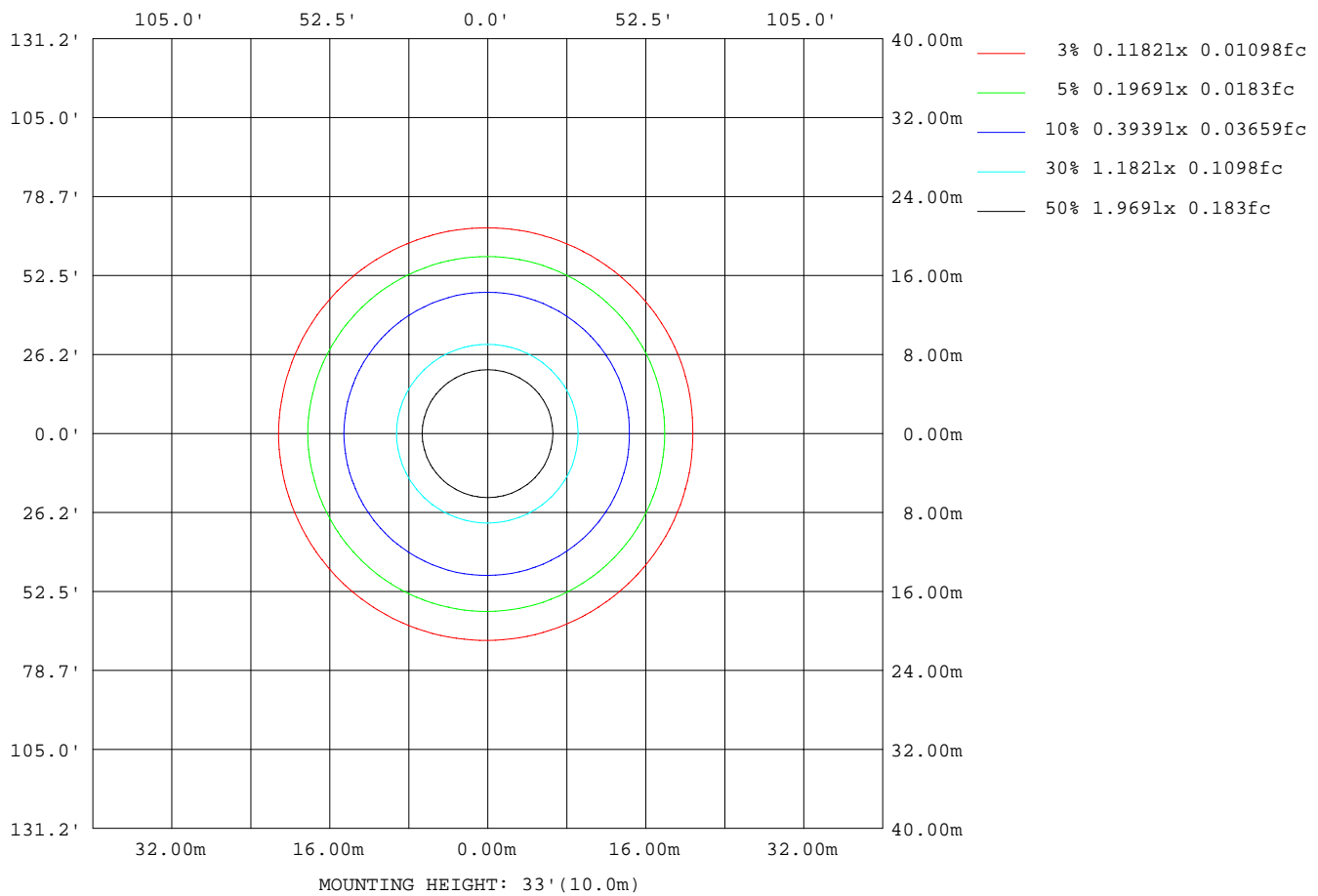
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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

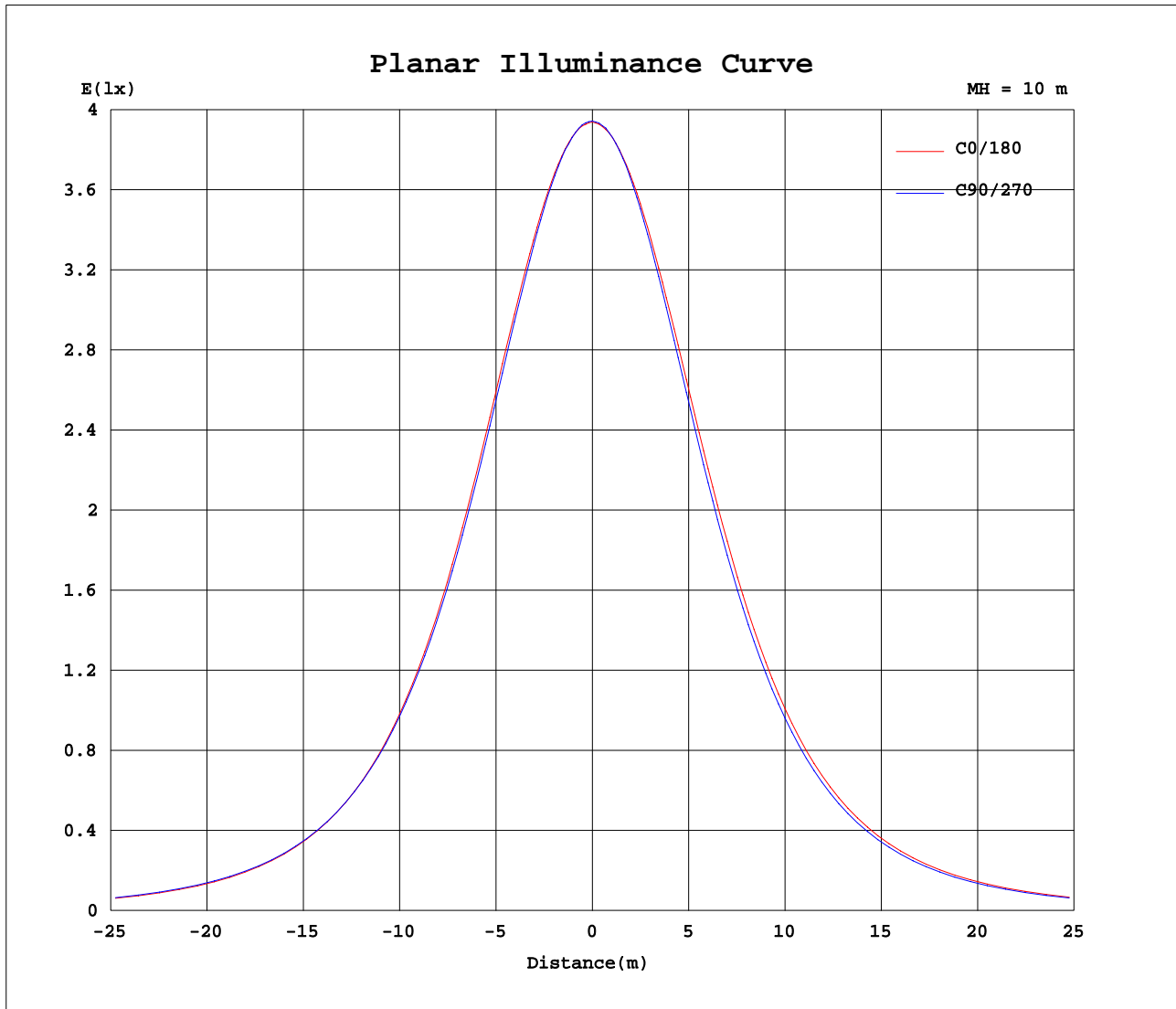
AvgL	cd/m2
L_0~180(65)av	4862
L_0~180(75)av	4092
L_0~180(85)av	2762
L_90~270(65)av	4798
L_90~270(75)av	4136
L_90~270(85)av	3051
L_45(65)av	4827
L_45(75)av	4101
L_45(85)av	2857

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.6DEG
Operators:Monkey
Test Date:2018-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.445m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 24.6DEG
Operators: Monkey
Test Date: 2018-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity: 45%
Test Distance: 2.445m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1559A P:18.45W PF:0.9861 Lamp Flux:1166.73x1 lm		
NAME: LED Cabinet Mount 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	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394			
5	393	393	393	393	393	393	393	394	393	393	393	393	392	393	393	393			
10	390	391	390	389	389	389	390	390	390	390	389	389	389	389	390	390			
15	386	385	384	383	383	383	384	386	385	385	384	383	382	383	384	385			
20	378	377	376	374	373	374	375	377	378	378	375	374	372	373	376	378			
25	367	366	364	362	360	362	364	366	368	367	363	361	359	361	363	366			
30	351	350	348	346	344	346	349	352	354	352	348	345	343	344	347	351			
35	331	330	328	326	325	326	330	333	336	333	329	325	322	324	327	331			
40	307	306	304	303	301	303	307	310	312	310	306	302	299	300	303	306			
45	278	278	276	275	274	277	280	283	285	283	278	274	272	273	275	278			
50	246	246	245	245	244	247	250	252	254	252	248	244	241	242	244	247			
55	211	212	211	212	212	215	217	219	221	218	214	211	209	210	211	213			
60	175	176	177	177	178	181	183	184	186	183	180	177	175	176	176	178			
65	139	140	141	143	144	146	148	148	150	148	145	142	141	141	141	142			
70	104	105	106	108	110	112	113	113	113	112	109	107	106	106	105	106			
75	69.9	70.7	72.2	74.5	76.9	78.3	78.8	78.5	79.2	77.4	75.6	74.5	73.9	72.9	72.2	71.9			
80	39.1	39.8	41.4	43.6	45.8	47.1	47.2	46.5	47.7	46.3	44.9	44.2	43.9	42.7	41.7	41.3			
85	13.5	14.2	15.6	17.5	19.5	20.0	19.9	19.3	20.4	19.4	18.5	18.1	17.9	17.0	16.1	15.6			
90	0.06	0.06	0.13	0.14	0.28	0.44	0.32	0.20	0.53	0.26	0.12	0.12	0.05	0.03	0.03	0.03			
95	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
100	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06			
105	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.11	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07			
110	0.12	0.12	0.11	0.10	0.10	0.10	0.11	0.11	0.08	0.08	0.07	0.07	0.08	0.08	0.08	0.08			
115	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.12	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10			
120	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.13	0.11	0.11	0.10	0.10	0.12	0.11	0.12	0.12			
125	0.16	0.15	0.15	0.14	0.14	0.14	0.14	0.15	0.13	0.13	0.12	0.12	0.14	0.14	0.14	0.14			
130	0.19	0.19	0.18	0.17	0.17	0.17	0.17	0.18	0.15	0.15	0.14	0.15	0.16	0.16	0.16	0.16			
135	0.23	0.23	0.22	0.21	0.20	0.21	0.21	0.22	0.18	0.18	0.17	0.18	0.18	0.19	0.18	0.19			
140	0.29	0.28	0.27	0.25	0.25	0.26	0.27	0.27	0.21	0.20	0.20	0.20	0.20	0.20	0.21	0.21			
145	0.36	0.36	0.34	0.31	0.30	0.32	0.35	0.35	0.24	0.23	0.22	0.22	0.22	0.22	0.23	0.24			
150	0.43	0.43	0.41	0.37	0.36	0.38	0.41	0.42	0.26	0.25	0.25	0.25	0.25	0.23	0.25	0.26			
155	0.48	0.47	0.46	0.42	0.41	0.44	0.46	0.47	0.29	0.29	0.28	0.29	0.28	0.26	0.28	0.29			
160	0.50	0.51	0.49	0.46	0.47	0.47	0.49	0.51	0.29	0.30	0.29	0.31	0.31	0.29	0.29	0.29			
165	0.49	0.48	0.47	0.47	0.47	0.47	0.48	0.49	0.29	0.30	0.29	0.32	0.32	0.31	0.29	0.30			
170	0.45	0.44	0.45	0.45	0.46	0.45	0.46	0.45	0.29	0.29	0.31	0.32	0.34	0.33	0.31	0.31			
175	0.41	0.43	0.44	0.44	0.45	0.44	0.44	0.43	0.31	0.31	0.33	0.36	0.37	0.36	0.34	0.33			
180	0.38	0.37	0.40	0.41	0.41	0.39	0.38	0.37	0.38	0.37	0.37	0.40	0.41	0.41	0.39	0.38			

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