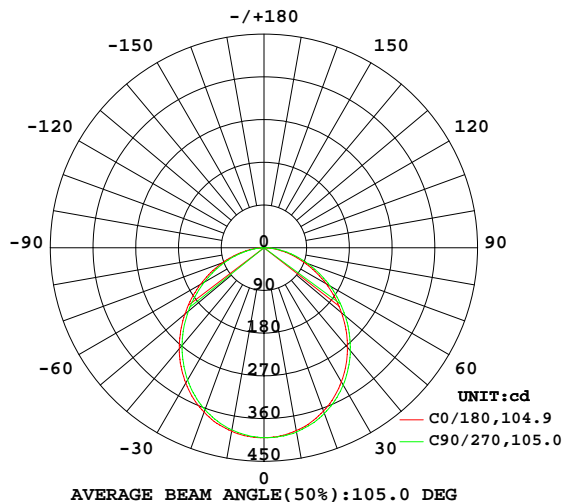


# LUMINAIRE PHOTOMETRIC TEST REPORT

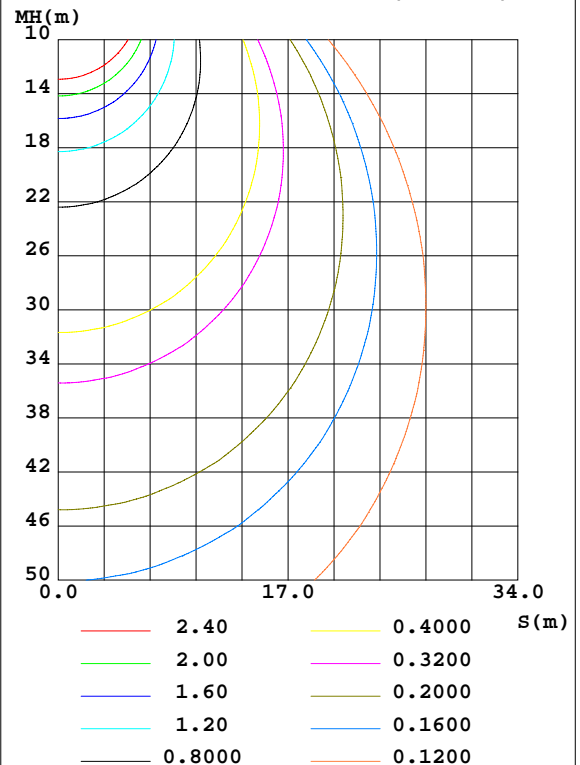
Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.66 lm/W			
MODEL	RSZ190703523-10	Imax(cd)	400.4	S/MH(C0/180)	1.22
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1058.5	$\eta$ UP,DN(C0-180)	0.1,48.9
NOMINAL FLUX(lm)	1058.48	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,51.0
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	$\eta$ 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: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	392.4	391.1	389.6	389.9	391.0	393.4	394.1	393.8	0- 10	37.80	37.80	3.57,3.57
20	368.5	365.9	363.4	363.5	366.1	370.1	371.5	371.1	10- 20	107.6	145.4	13.7,13.7
30	329.5	325.2	321.9	322.5	326.1	331.2	333.8	333.0	20- 30	160.9	306.3	28.9,28.9
40	277.6	272.2	268.6	269.3	273.4	279.8	283.0	281.9	30- 40	189.4	495.8	46.8,46.8
50	217.5	212.0	208.1	208.7	213.3	219.9	223.5	222.0	40- 50	189.9	685.7	64.8,64.8
60	154.5	148.8	145.4	146.3	150.7	156.8	160.4	159.4	50- 60	164.6	850.3	80.3,80.3
70	93.75	88.38	85.79	86.74	89.83	95.10	98.69	97.62	60- 70	120.6	970.9	91.7,91.7
80	39.53	35.28	33.46	34.41	37.16	41.26	44.07	43.40	70- 80	68.00	1039	98.2,98.2
90	0.1820	0.0694	0.0677	0.0672	0.0194	0.2629	0.9560	0.6252	80- 90	18.51	1057	99.9,99.9
100	0.0935	0.0967	0.0996	0.0982	0.0374	0.0343	0.0324	0.0339	90-100	0.0714	1057	99.9,99.9
110	0.1100	0.1142	0.1194	0.1177	0.0630	0.0599	0.0575	0.0570	100-110	0.0816	1058	99.9,99.9
120	0.1401	0.1383	0.1412	0.1420	0.0978	0.0862	0.0856	0.0842	110-120	0.0985	1058	99.9,99.9
130	0.1997	0.2011	0.2096	0.2067	0.1351	0.1234	0.1191	0.1218	120-130	0.1222	1058	99.9,99.9
140	0.3165	0.3354	0.3457	0.3369	0.1717	0.1675	0.1632	0.1636	130-140	0.1570	1058	99.9,99.9
150	0.4574	0.5089	0.5230	0.5019	0.2026	0.2072	0.2092	0.2032	140-150	0.1894	1058	100,100
160	0.5781	0.5933	0.6032	0.6047	0.2681	0.2685	0.2612	0.2564	150-160	0.1823	1058	100,100
170	0.5343	0.5239	0.5326	0.5384	0.3205	0.2998	0.2974	0.2995	160-170	0.1224	1058	100,100
180	0.4477	0.4108	0.3962	0.4278	0.4485	0.4239	0.3973	0.4105	170-180	0.0398	1058	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 9.1 %									UNIT:lm		

Conical surface Flux(90deg): 592.41 lm

%lum = 56.0%

%lamp = 56.0%

Conical surface Flux(120deg): 850.35 lm

%lum = 80.3%

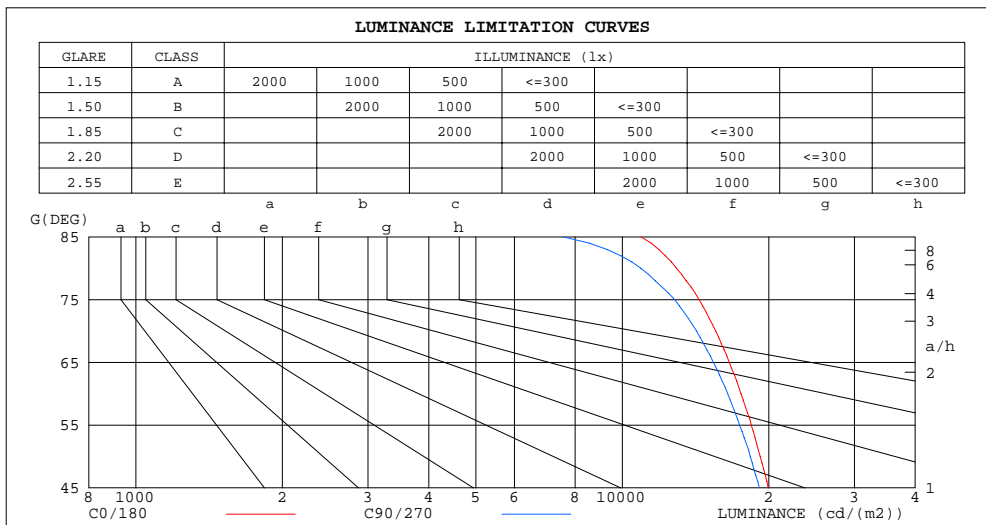
%lamp = 80.3%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	10923	7553
80	12920	10910
75	14377	12801
70	15556	14202
65	16585	15380
60	17540	16462
55	18410	17411
50	19203	18327
45	19936	19130

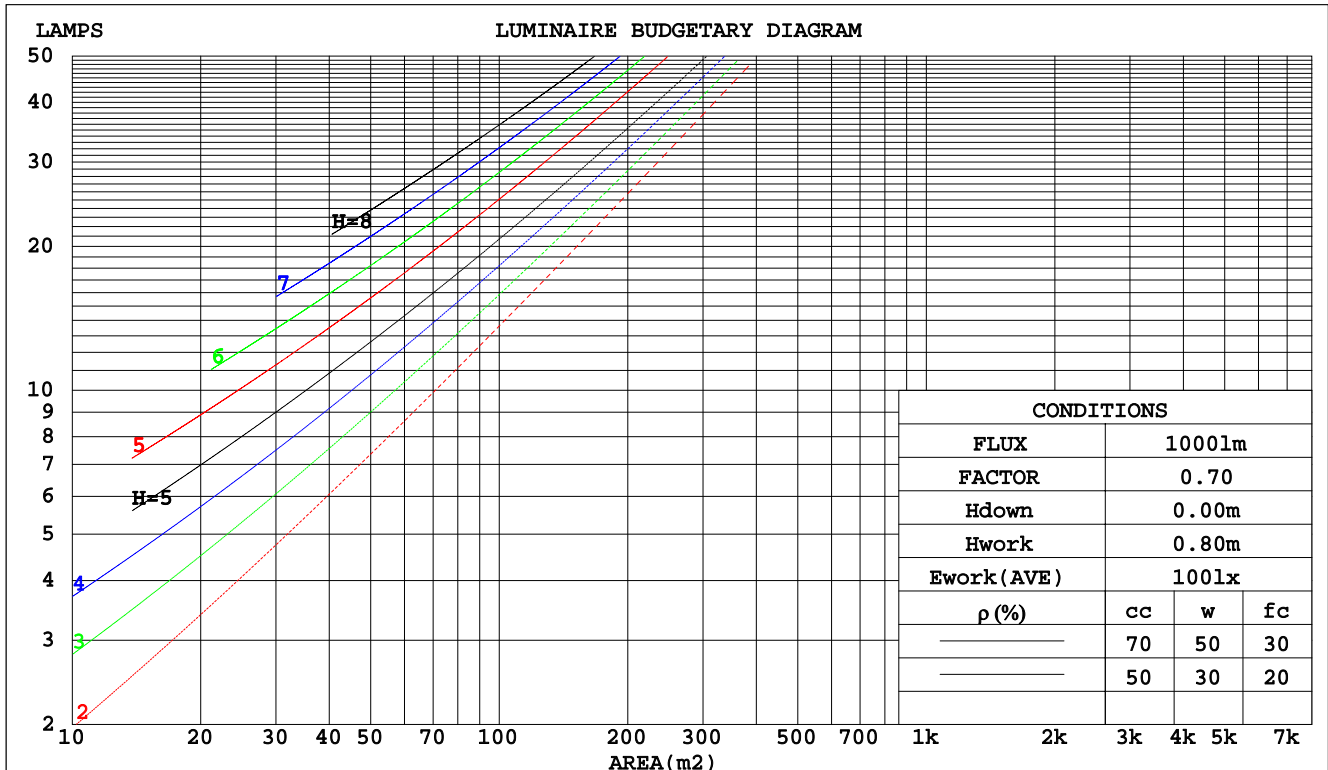
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	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	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.79	.89	.83	.78	.86	.81	.76	.82	.78	.74	.79	.76	.73	.70
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.67	.63	.70	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.67	.60	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.44
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.52	.46	.41	.39
7.0	.52	.44	.37	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm					
NAME: LED Ceiling light			TYPE:N/A		WEIGHT:N/A
SPEC.:N/A			DIM.: N/A		SERIAL No.:N/A
MFR.: Maxim Lighting			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	.302	.171	.054	.294	.168	.053	.281	.161	.052	.269	.155	.050	.258	.149	.048	
2.0	.285	.156	.048	.278	.153	.047	.267	.148	.046	.256	.144	.045	.246	.139	.044	
3.0	.264	.140	.042	.258	.138	.042	.248	.134	.041	.239	.131	.040	.230	.127	.039	
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.222	.119	.036	.214	.116	.035	
5.0	.226	.115	.033	.222	.114	.033	.214	.111	.033	.206	.109	.032	.199	.106	.032	
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029	
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.086	.025	.164	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.073	.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	.136	.154	.135	.117	.106	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.172	.133	.100	.147	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.164	.115	.076	.141	.099	.066	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.156	.102	.060	.134	.088	.052	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.149	.091	.049	.128	.079	.042	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.142	.083	.040	.122	.072	.035	.084	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.135	.076	.034	.116	.066	.030	.080	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.073	.040	.016	.043	.023	.010	.014	.008	.003	
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm											
NAME: LED Ceiling light					TYPE:N/A			WEIGHT:N/A			
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A			
MFR.: Maxim Lighting					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	22.8	24.3	23.1	24.5	24.7	22.6	24.1	22.8	24.3	24.5	
	3H	24.2	25.6	24.5	25.8	26.1	23.9	25.3	24.2	25.5	25.7
	4H	24.8	26.1	25.1	26.3	26.6	24.4	25.7	24.7	26.0	26.2
	6H	25.2	26.4	25.5	26.7	27.0	24.7	26.0	25.1	26.2	26.5
	8H	25.3	26.5	25.7	26.8	27.1	24.8	26.0	25.2	26.3	26.6
	12H	25.4	26.5	25.7	26.8	27.1	24.9	26.0	25.2	26.3	26.6
4H	2H	23.3	24.6	23.6	24.9	25.2	23.1	24.5	23.5	24.7	25.0
	3H	24.9	26.1	25.3	26.4	26.7	24.7	25.8	25.0	26.1	26.4
	4H	25.6	26.7	26.0	27.0	27.3	25.3	26.3	25.7	26.6	27.0
	6H	26.1	27.1	26.5	27.4	27.8	25.7	26.7	26.1	27.0	27.4
	8H	26.3	27.2	26.7	27.5	27.9	25.9	26.7	26.3	27.1	27.5
	12H	26.4	27.2	26.9	27.6	28.0	25.9	26.7	26.4	27.1	27.5
8H	4H	25.8	26.7	26.2	27.0	27.4	25.5	26.4	25.9	26.8	27.1
	6H	26.5	27.2	26.9	27.6	28.0	26.1	26.8	26.5	27.2	27.7
	8H	26.7	27.4	27.2	27.8	28.3	26.3	26.9	26.8	27.4	27.8
	12H	26.9	27.5	27.4	27.9	28.4	26.4	27.0	26.9	27.4	27.9
12H	4H	25.8	26.6	26.2	27.0	27.4	25.5	26.3	26.0	26.7	27.1
	6H	26.5	27.2	27.0	27.6	28.0	26.2	26.8	26.6	27.2	27.7
	8H	26.8	27.4	27.3	27.8	28.3	26.4	26.9	26.9	27.4	27.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 1058 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

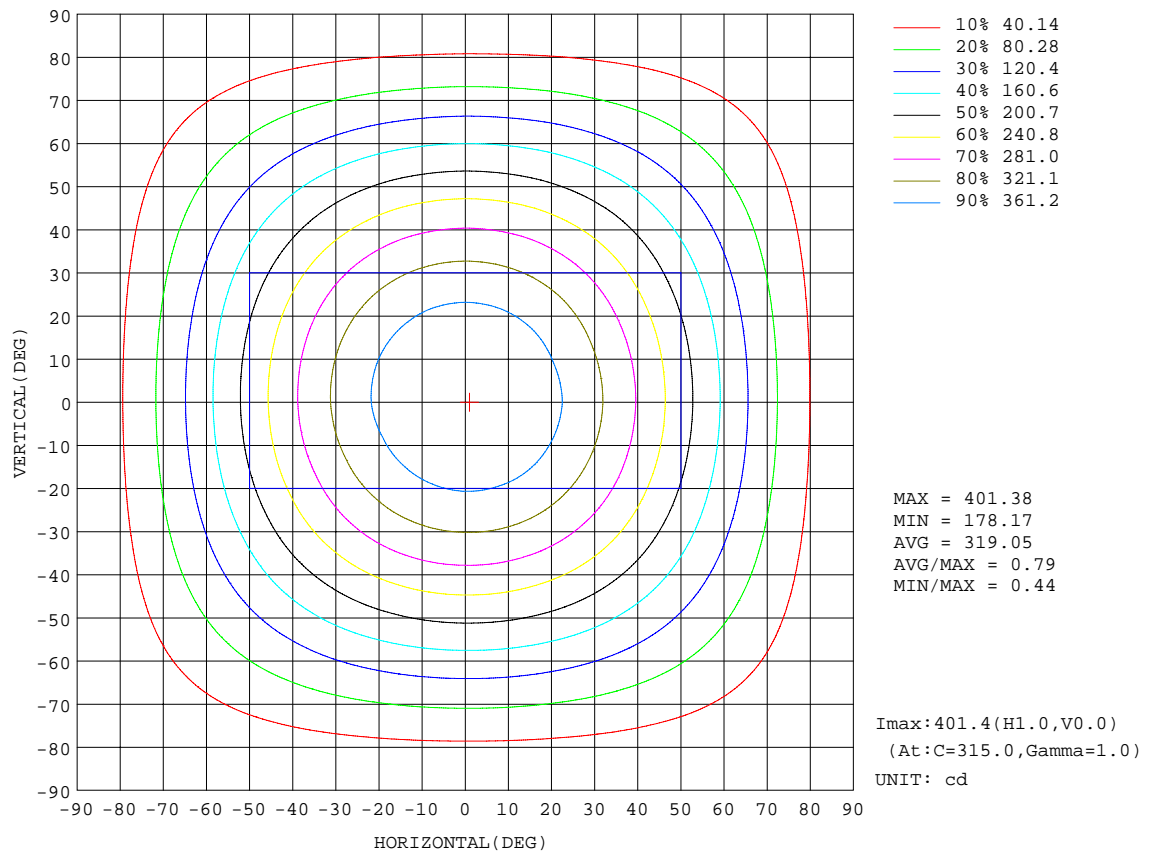
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	59	47	41	58	47	40	57	47	40	34
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	79	73	87	79	72	84	77	71	64
2.00	96	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
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: HIGH  
 Temperature:25.0DEG  
 Operators:ben  
 Test Date:2019-08-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:50%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



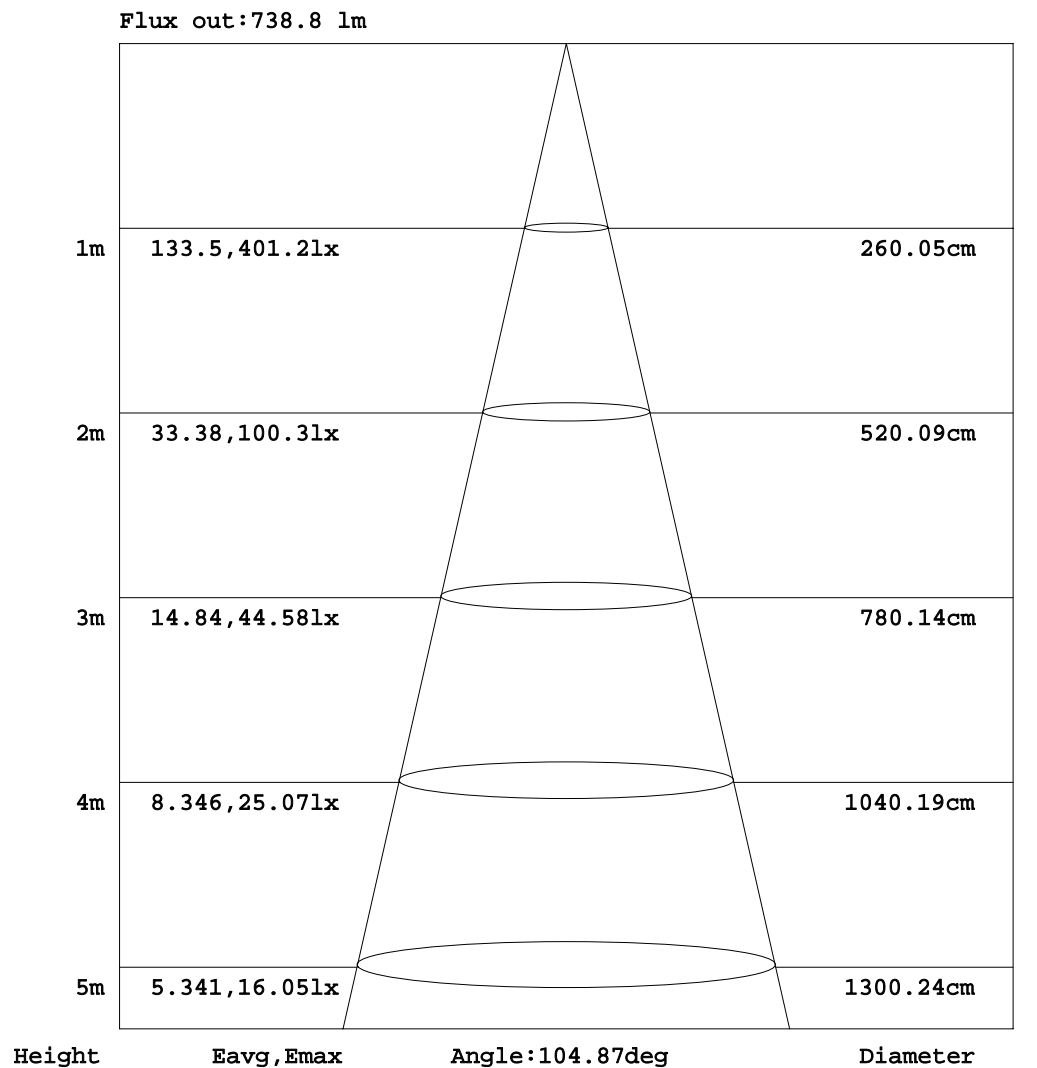
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:



AAI Figure

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



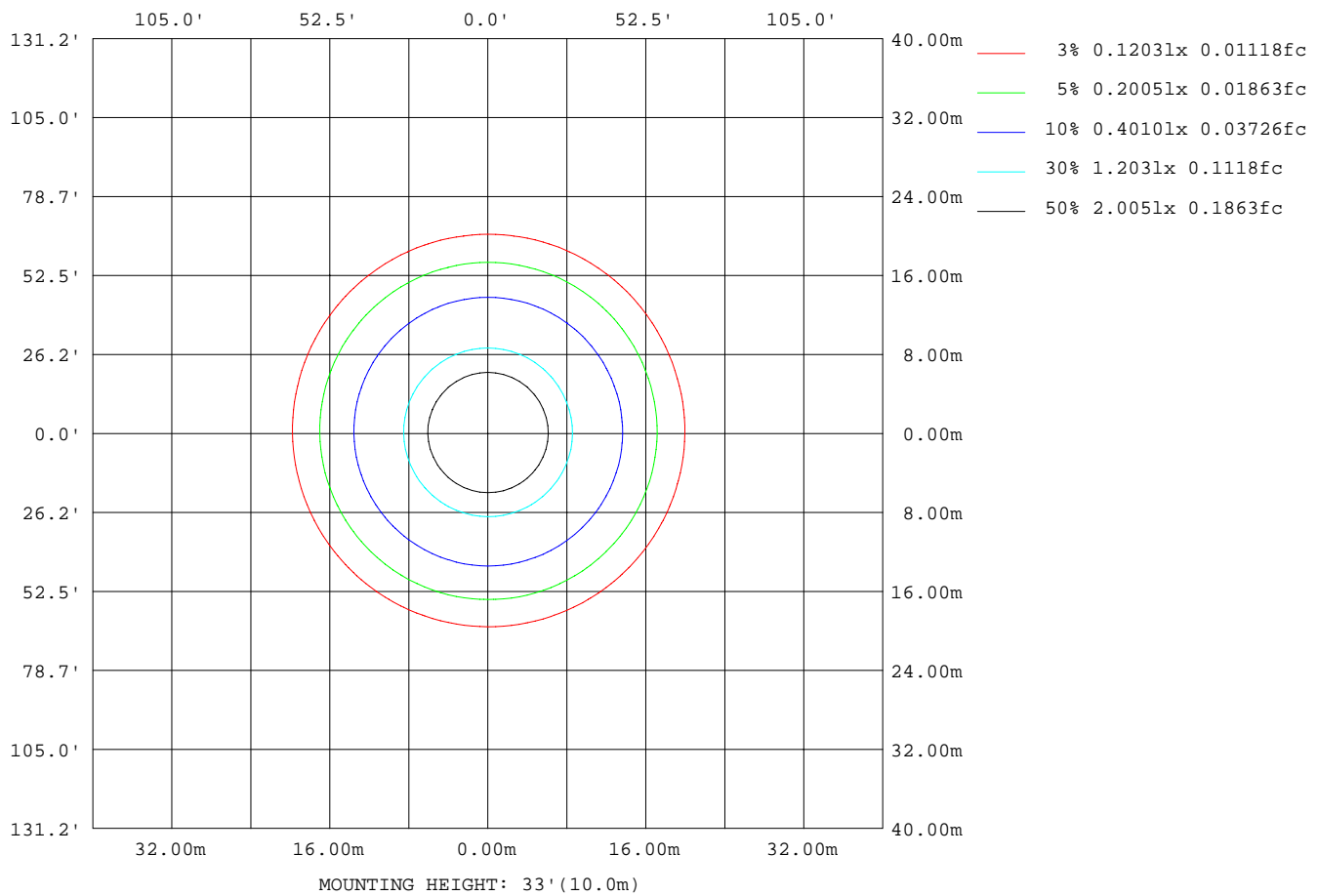
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

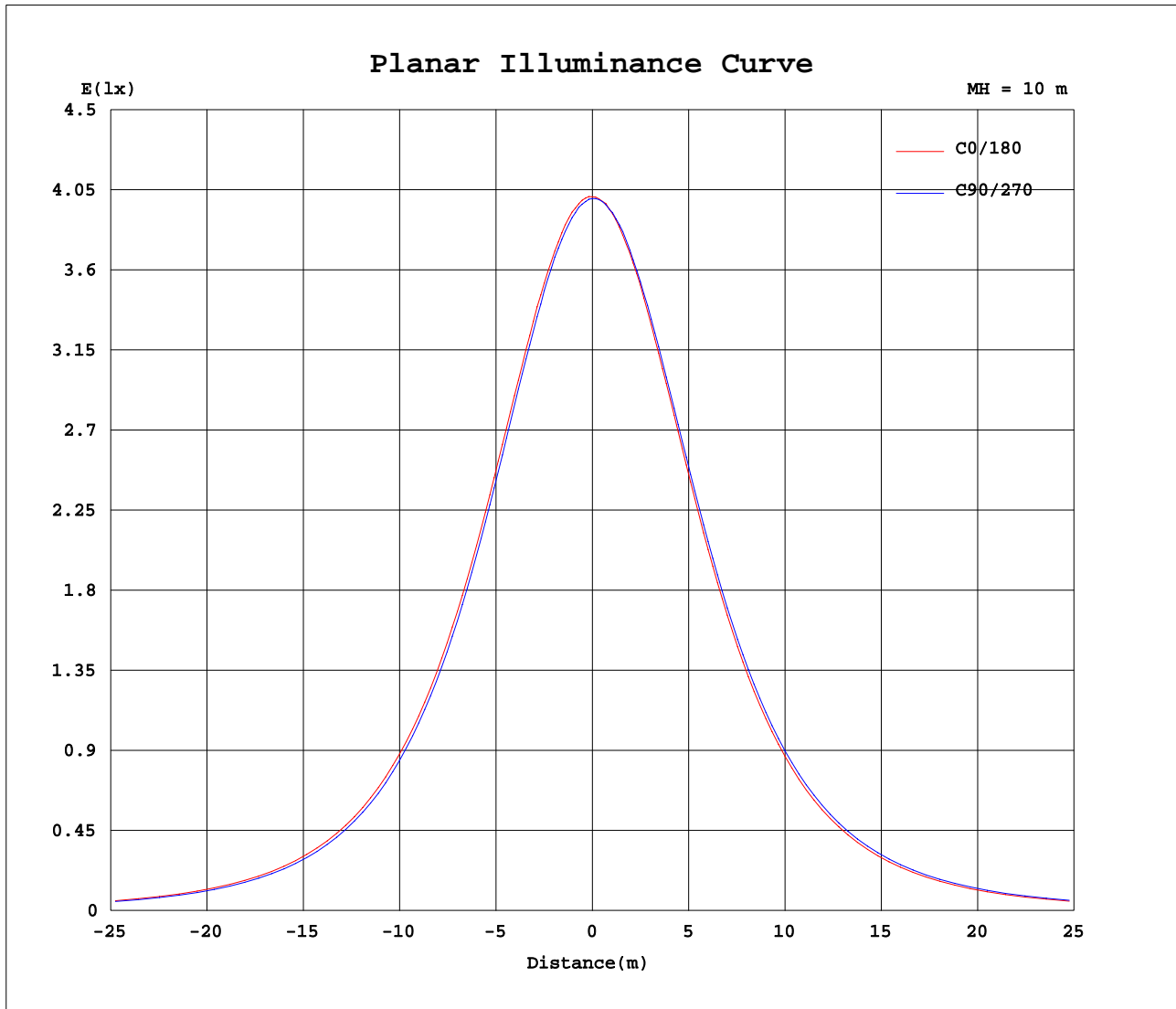
AvgL	cd/m2
L_0~180(65)av	16259
L_0~180(75)av	13990
L_0~180(85)av	10368
L_90~270(65)av	16291
L_90~270(75)av	14071
L_90~270(85)av	10484
L_45(65)av	16285
L_45(75)av	14027
L_45(85)av	10390

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:ben  
Test Date:2019-08-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:50%  
Test Distance:2.481m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: ben  
Test Date: 2019-08-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity: 50%  
Test Distance: 2.481m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1355A P:14.98W PF:0.9210 Lamp Flux:1058.48x1 lm		
NAME: LED Ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	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	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400			
5	398	398	398	397	397	397	397	397	398	398	399	398	399	399	399	399			
10	392	392	391	390	390	390	390	391	391	392	393	394	394	394	394	393			
15	383	381	380	379	378	379	379	380	381	382	384	384	385	385	385	384			
20	368	367	366	364	363	363	364	365	366	368	370	371	371	372	371	370			
25	351	349	347	345	344	344	345	346	348	350	352	354	354	355	354	352			
30	330	327	325	323	322	322	323	324	326	329	331	333	334	334	333	331			
35	305	302	300	298	296	296	297	299	301	304	307	308	309	310	309	307			
40	278	275	272	270	269	268	269	271	273	277	280	282	283	283	282	279			
45	248	245	243	240	239	239	240	242	245	247	251	252	254	254	253	250			
50	217	215	212	209	208	208	209	211	213	217	220	222	223	223	222	220			
55	186	183	180	178	176	177	177	179	182	185	188	191	192	192	191	188			
60	155	151	149	147	145	145	146	148	151	154	157	159	160	161	159	157			
65	124	121	118	116	115	115	116	118	119	122	125	127	128	129	127	125			
70	93.7	90.9	88.4	86.6	85.8	85.9	86.7	88.2	89.8	92.5	95.1	97.2	98.7	98.8	97.6	95.4			
75	65.6	63.0	60.7	59.1	58.5	58.6	59.4	60.8	62.3	64.5	66.9	68.9	70.1	70.5	69.4	67.4			
80	39.5	37.2	35.3	34.0	33.5	33.6	34.4	35.6	37.2	39.2	41.3	42.9	44.1	44.3	43.4	41.6			
85	16.8	14.8	13.2	12.1	11.6	11.8	12.4	13.6	15.1	16.8	18.3	19.7	20.7	20.8	20.0	18.5			
90	0.18	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.02	0.07	0.26	0.62	0.96	0.96	0.63	0.28			
95	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02			
100	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03			
105	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.05			
110	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
115	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.12	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
120	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.10	0.09	0.09	0.09	0.09	0.08	0.08	0.09			
125	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.16	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10			
130	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.20	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.13			
135	0.25	0.26	0.26	0.26	0.27	0.27	0.26	0.25	0.16	0.15	0.14	0.15	0.14	0.14	0.14	0.15			
140	0.32	0.32	0.34	0.33	0.35	0.35	0.34	0.32	0.17	0.16	0.17	0.17	0.16	0.16	0.16	0.17			
145	0.39	0.41	0.44	0.44	0.45	0.44	0.43	0.40	0.18	0.18	0.19	0.20	0.19	0.19	0.18	0.19			
150	0.46	0.49	0.51	0.52	0.52	0.52	0.50	0.47	0.20	0.20	0.21	0.21	0.21	0.21	0.20	0.21			
155	0.53	0.56	0.56	0.57	0.58	0.58	0.57	0.54	0.23	0.22	0.24	0.24	0.24	0.24	0.23	0.25			
160	0.58	0.59	0.59	0.61	0.60	0.61	0.60	0.57	0.27	0.26	0.27	0.26	0.26	0.26	0.26	0.28			
165	0.58	0.58	0.58	0.59	0.60	0.59	0.59	0.57	0.30	0.29	0.28	0.28	0.28	0.28	0.28	0.31			
170	0.53	0.53	0.52	0.52	0.53	0.53	0.54	0.53	0.32	0.32	0.30	0.30	0.30	0.30	0.30	0.33			
175	0.51	0.49	0.49	0.47	0.47	0.48	0.49	0.50	0.37	0.37	0.35	0.34	0.34	0.33	0.34	0.37			
180	0.45	0.42	0.41	0.40	0.40	0.41	0.43	0.44	0.45	0.45	0.42	0.41	0.40	0.40	0.41	0.43			

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