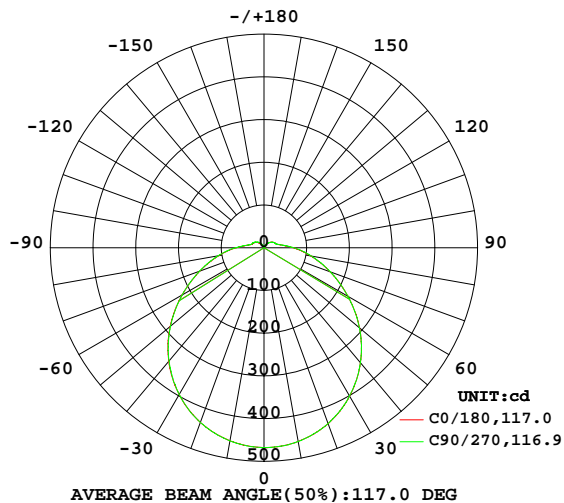


LUMINAIRE PHOTOMETRIC TEST REPORT

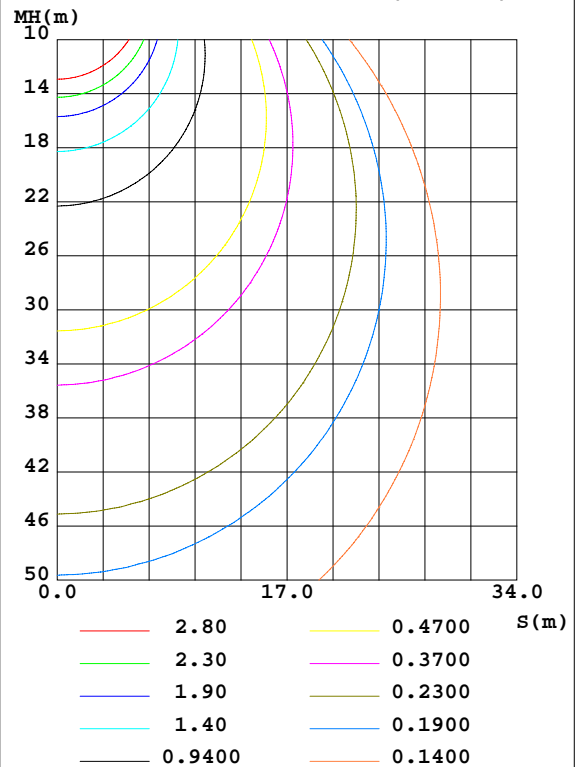
Test:U:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.02 lm/W			
MODEL	RSZ180720508-10	I _{max} (cd)	469.0	S/MH(C0/180)	1.27
NOMINAL POWER(W)	23	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1669.7	η UP,DN(C0-180)	4.8,44.7
NOMINAL FLUX(lm)	1669.67	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.9,45.5
LAMPS INSIDE	1	η up(%)	9.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	90.2	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:25.4DEG
Operators:BEN
Test Date:2018-08-15

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	459.1	459.2	459.3	459.4	460.5	460.9	460.5	460.3	0- 10	44.29	44.29	2.65,2.65
20	435.4	435.3	435.3	436.2	438.2	438.8	438.3	437.3	10- 20	127.1	171.4	10.3,10.3
30	397.0	396.8	397.0	397.6	400.9	402.0	400.6	400.1	20- 30	193.4	364.8	21.8,21.8
40	346.9	346.3	346.0	347.2	351.2	353.2	351.1	350.0	30- 40	234.9	599.7	35.9,35.9
50	286.9	285.8	285.8	287.1	291.9	293.1	291.5	290.9	40- 50	246.9	846.6	50.7,50.7
60	221.7	220.3	221.4	222.3	226.8	228.0	226.7	226.4	50- 60	229.7	1076	64.5,64.5
70	160.0	158.9	160.7	161.5	164.8	165.7	165.3	165.2	60- 70	191.0	1267	75.9,75.9
80	108.0	107.2	109.3	110.3	111.6	112.1	112.8	112.2	70- 80	143.4	1411	84.5,84.5
90	65.11	64.81	66.59	67.62	68.26	68.37	69.75	68.97	80- 90	96.16	1507	90.2,90.2
100	37.63	37.41	38.40	39.14	39.47	39.37	40.55	40.17	90-100	56.45	1563	93.6,93.6
110	28.59	27.98	29.43	28.58	29.40	29.24	28.89	30.10	100-110	34.40	1598	95.7,95.7
120	24.86	24.55	26.01	25.43	25.65	25.55	25.61	26.28	110-120	27.33	1625	97.3,97.3
130	19.29	19.49	21.04	20.40	20.21	20.45	19.90	20.84	120-130	20.65	1646	98.6,98.6
140	13.11	13.73	14.89	14.35	14.13	14.01	13.45	14.46	130-140	13.41	1659	99.4,99.4
150	7.088	7.659	8.389	8.296	7.518	7.402	7.313	8.056	140-150	6.911	1666	99.8,99.8
160	4.113	3.742	4.410	4.075	3.788	3.811	3.978	3.471	150-160	2.591	1669	99.9,99.9
170	2.913	2.135	3.196	2.578	2.527	2.888	2.788	2.478	160-170	0.9151	1669	100,100
180	0.5341	0.5819	0.5978	0.5958	0.5993	0.5990	0.5986	0.5971	170-180	0.1843	1670	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 723.52 lm

%lum = 43.3%

%lamp = 43.3%

Conical surface Flux(120deg): 1076.3 lm

%lum = 64.5%

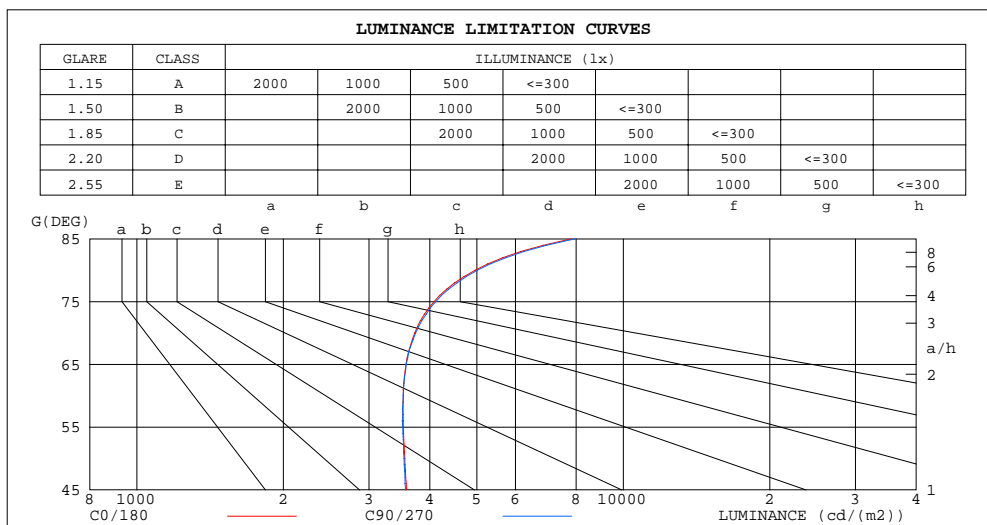
%lamp = 64.5%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.4DEG
Operators:BEN
Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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/(m ²)		
G(DEG)	C0/180	C90/270
85	7815	7946
80	4957	5011
75	4084	4119
70	3727	3741
65	3575	3576
60	3532	3525
55	3528	3519
50	3555	3540
45	3582	3570

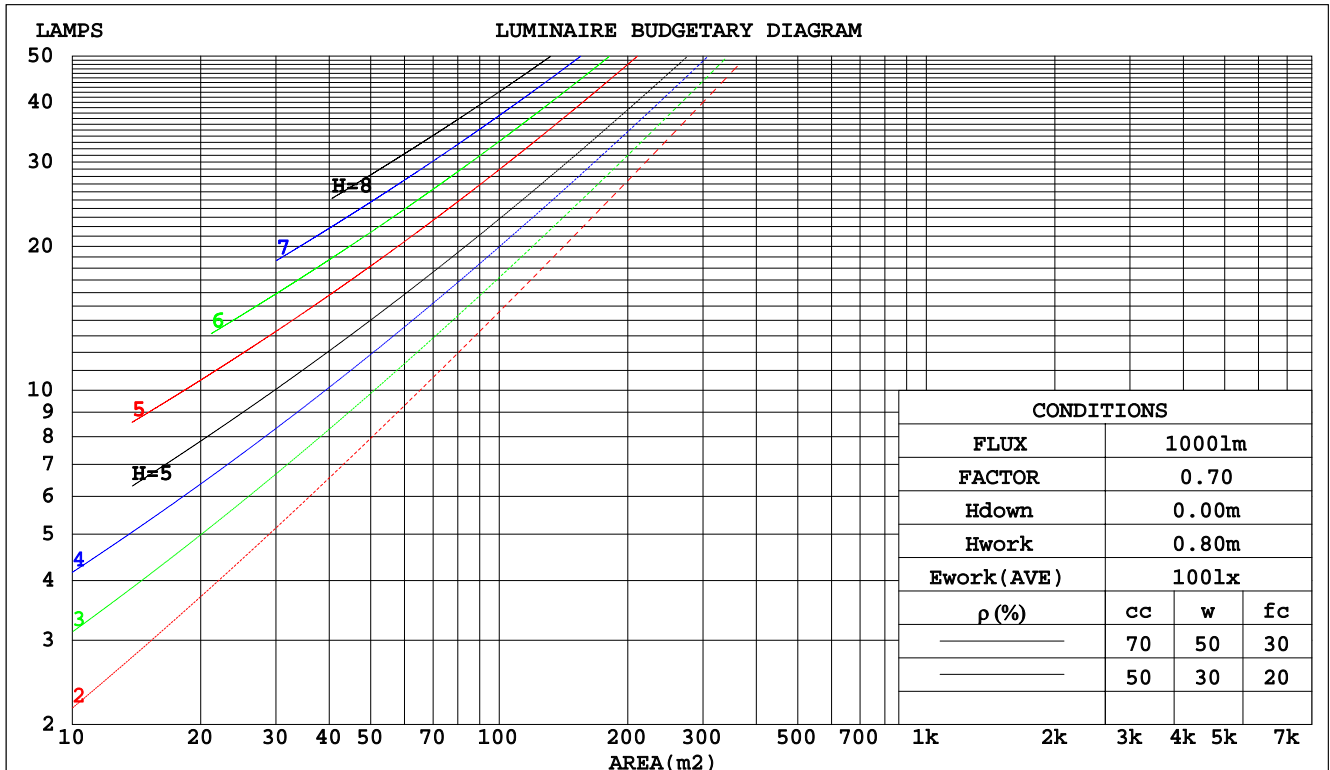
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.4DEG
Operators:BEN
Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.90
1.0	.99	.94	.89	.96	.91	.87	.90	.86	.83	.84	.81	.78	.79	.76	.74	.71
2.0	.85	.78	.72	.83	.76	.70	.77	.72	.67	.73	.68	.64	.68	.64	.61	.58
3.0	.74	.66	.59	.72	.64	.58	.68	.61	.55	.64	.58	.53	.60	.55	.51	.48
4.0	.66	.56	.49	.64	.55	.48	.60	.53	.47	.56	.50	.45	.53	.48	.43	.41
5.0	.58	.49	.42	.57	.48	.42	.53	.46	.40	.50	.44	.39	.48	.42	.38	.35
6.0	.53	.43	.37	.51	.42	.36	.48	.41	.35	.46	.39	.34	.43	.37	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.36	.31	.41	.35	.30	.39	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.31	.27	.36	.30	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.33	.28	.23	.21
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.4DEG
 Operators:BEN
 Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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	
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	.359	.204	.065	.349	.199	.063	.330	.189	.060	.313	.180	.058	.296	.172	.055		
2.0	.318	.174	.054	.309	.170	.052	.292	.162	.050	.276	.155	.049	.262	.148	.047		
3.0	.286	.152	.046	.278	.149	.045	.263	.142	.043	.249	.136	.042	.236	.130	.040		
4.0	.260	.135	.040	.253	.132	.039	.239	.127	.038	.226	.121	.037	.214	.116	.035		
5.0	.238	.121	.035	.231	.119	.035	.219	.114	.034	.207	.109	.032	.196	.105	.032		
6.0	.219	.110	.031	.213	.107	.031	.201	.103	.030	.191	.099	.029	.181	.095	.028		
7.0	.202	.100	.028	.197	.098	.028	.187	.094	.027	.177	.091	.026	.168	.087	.026		
8.0	.188	.092	.026	.183	.090	.026	.174	.087	.025	.165	.084	.024	.157	.081	.023		
9.0	.176	.085	.024	.171	.083	.023	.163	.080	.023	.155	.078	.022	.147	.075	.022		
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.146	.072	.021	.139	.070	.020		

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	.265	.265	.265	.226	.226	.226	.154	.154	.154	.089	.089	.089	.028	.028	.028	
1.0	.259	.231	.205	.221	.198	.177	.151	.136	.122	.087	.079	.071	.028	.025	.023	
2.0	.251	.207	.170	.215	.178	.147	.147	.123	.103	.085	.072	.060	.027	.023	.020	
3.0	.243	.190	.148	.209	.164	.128	.143	.114	.090	.083	.067	.053	.027	.022	.017	
4.0	.236	.177	.133	.202	.153	.115	.139	.107	.081	.080	.063	.048	.026	.020	.016	
5.0	.228	.167	.123	.196	.145	.107	.135	.101	.075	.078	.059	.045	.025	.019	.015	
6.0	.221	.159	.115	.190	.138	.100	.131	.096	.071	.076	.057	.042	.024	.019	.014	
7.0	.214	.152	.110	.184	.132	.095	.127	.093	.068	.074	.055	.040	.024	.018	.013	
8.0	.207	.147	.105	.178	.127	.092	.123	.089	.065	.072	.053	.039	.023	.017	.013	
9.0	.201	.142	.102	.173	.123	.089	.120	.087	.063	.070	.051	.038	.023	.017	.012	
10.0	.195	.138	.100	.168	.120	.087	.117	.084	.062	.068	.050	.037	.022	.016	.012	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.4DEG
Operators:BEN
Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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	14.7	16.2	15.1	16.5	17.0	14.7	16.2	15.1	16.6	17.0	
	3H	16.6	17.9	17.0	18.3	18.8	16.6	18.0	17.1	18.4	18.8
	4H	17.6	18.8	18.0	19.3	19.7	17.6	18.9	18.0	19.3	19.7
	6H	18.6	19.8	19.0	20.2	20.7	18.6	19.8	19.1	20.2	20.7
	8H	19.1	20.3	19.6	20.7	21.2	19.1	20.3	19.6	20.8	21.3
	12H	19.7	20.8	20.2	21.3	21.8	19.8	20.9	20.2	21.3	21.8
4H	2H	15.4	16.7	15.8	17.1	17.5	15.4	16.7	15.8	17.1	17.5
	3H	17.5	18.6	18.0	19.1	19.6	17.5	18.6	18.0	19.1	19.6
	4H	18.6	19.6	19.1	20.1	20.7	18.6	19.6	19.1	20.1	20.7
	6H	19.8	20.7	20.3	21.2	21.8	19.8	20.7	20.4	21.3	21.8
	8H	20.4	21.3	21.0	21.8	22.4	20.5	21.3	21.0	21.9	22.5
	12H	21.1	21.9	21.7	22.5	23.1	21.2	22.0	21.8	22.5	23.2
8H	4H	19.0	19.9	19.6	20.4	21.0	19.1	19.9	19.6	20.4	21.0
	6H	20.5	21.2	21.1	21.8	22.4	20.5	21.2	21.1	21.8	22.4
	8H	21.3	21.9	21.9	22.5	23.2	21.3	22.0	21.9	22.6	23.2
	12H	22.2	22.8	22.8	23.4	24.1	22.3	22.8	22.9	23.5	24.1
12H	4H	19.1	19.9	19.7	20.5	21.1	19.1	19.9	19.7	20.5	21.1
	6H	20.7	21.3	21.3	21.9	22.6	20.7	21.3	21.3	21.9	22.6
	8H	21.6	22.1	22.2	22.7	23.4	21.6	22.2	22.2	22.8	23.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 1670 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.8$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.4DEG
Operators:BEN
Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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

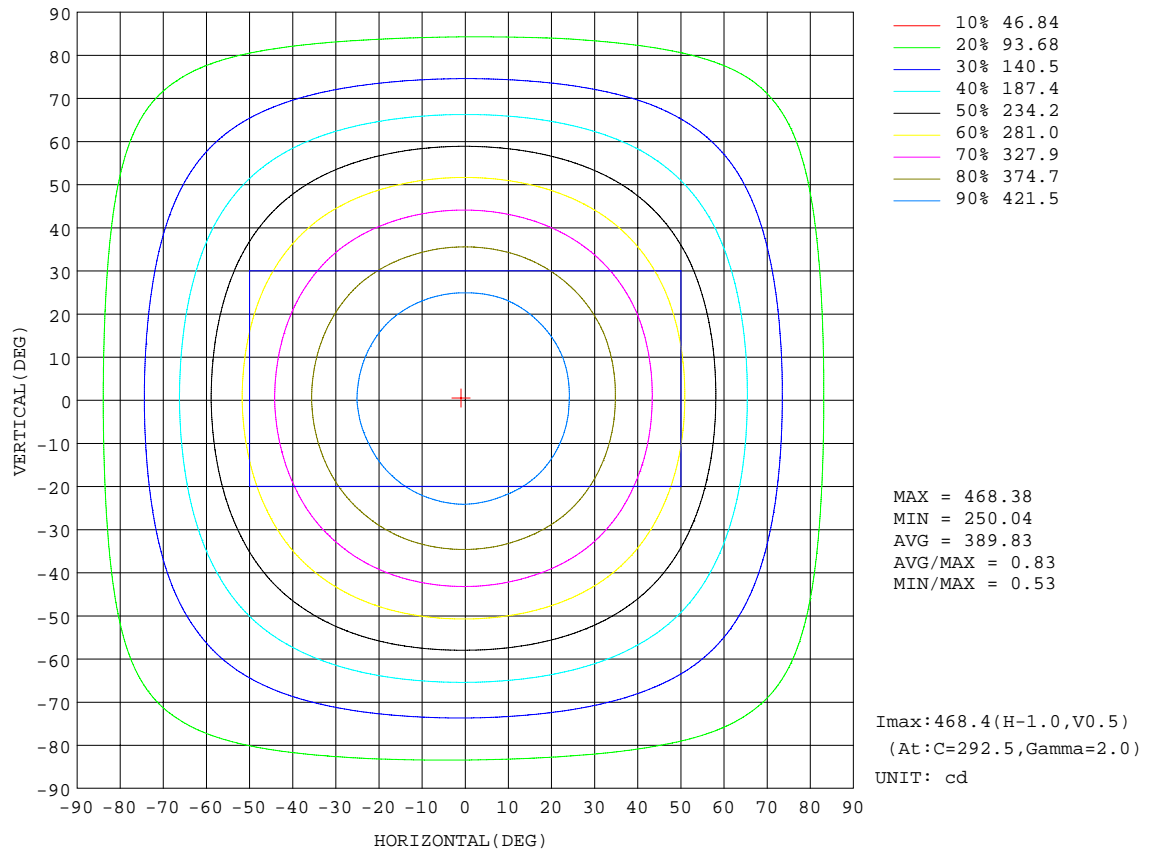
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	40	33	50	39	33	26
0.80	62	49	42	60	49	41	58	48	41	33
1.00	70	58	50	68	57	49	65	58	48	40
1.25	77	65	57	75	64	56	71	62	55	46
1.50	82	70	62	79	69	62	75	67	60	51
2.00	89	79	71	86	77	70	81	74	68	58
2.50	93	84	76	90	82	75	85	78	72	62
3.00	96	88	81	93	86	80	88	82	77	66
4.00	101	94	88	98	91	86	92	87	82	70
5.00	104	97	92	100	95	90	94	90	86	73
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:25.4DEG
Operators:BEN
Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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

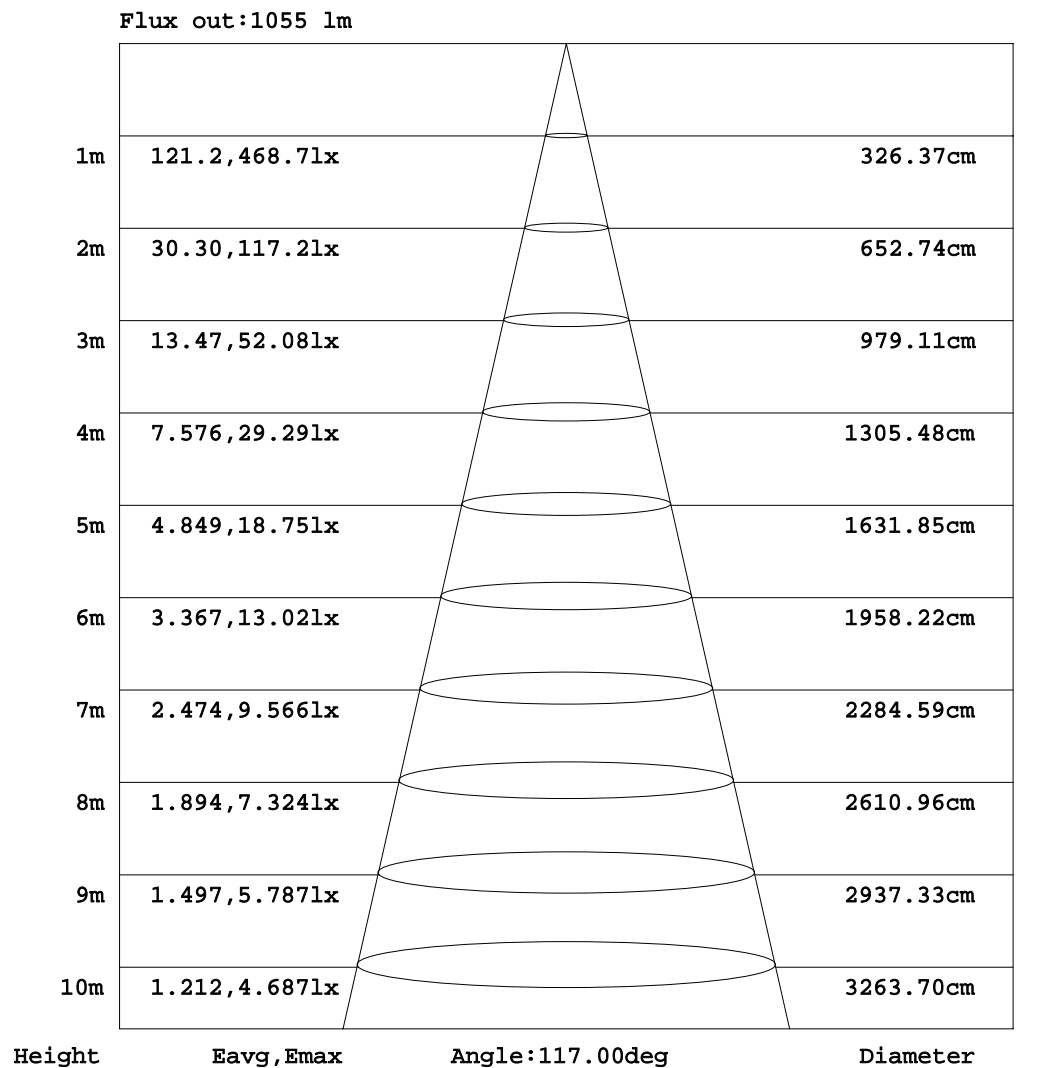


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.4DEG
Operators: BEN
Test Date: 2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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



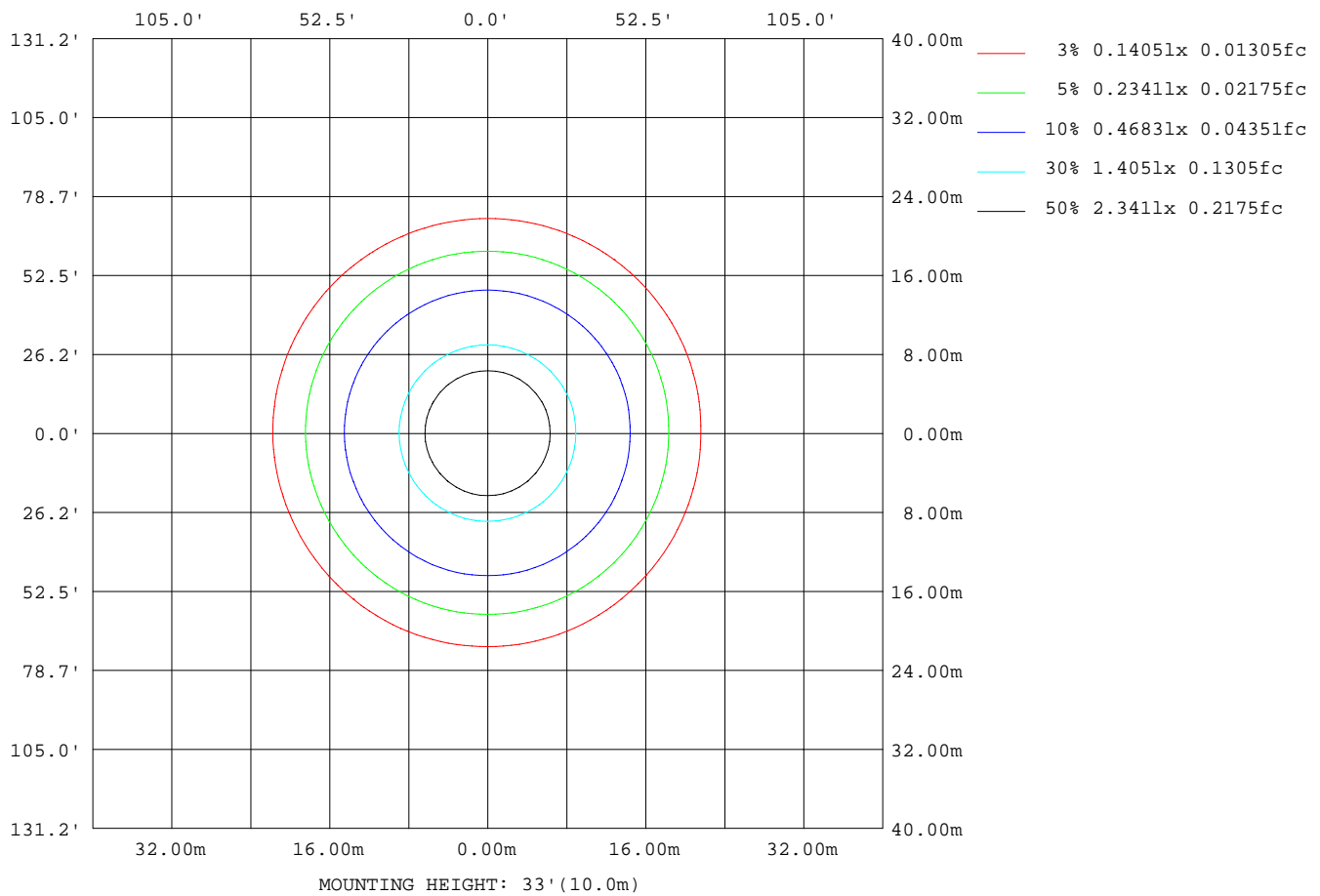
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.4DEG
 Operators:BEN
 Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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: 10.0deg/s
 Temperature:25.4DEG
 Operators:BEN
 Test Date:2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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

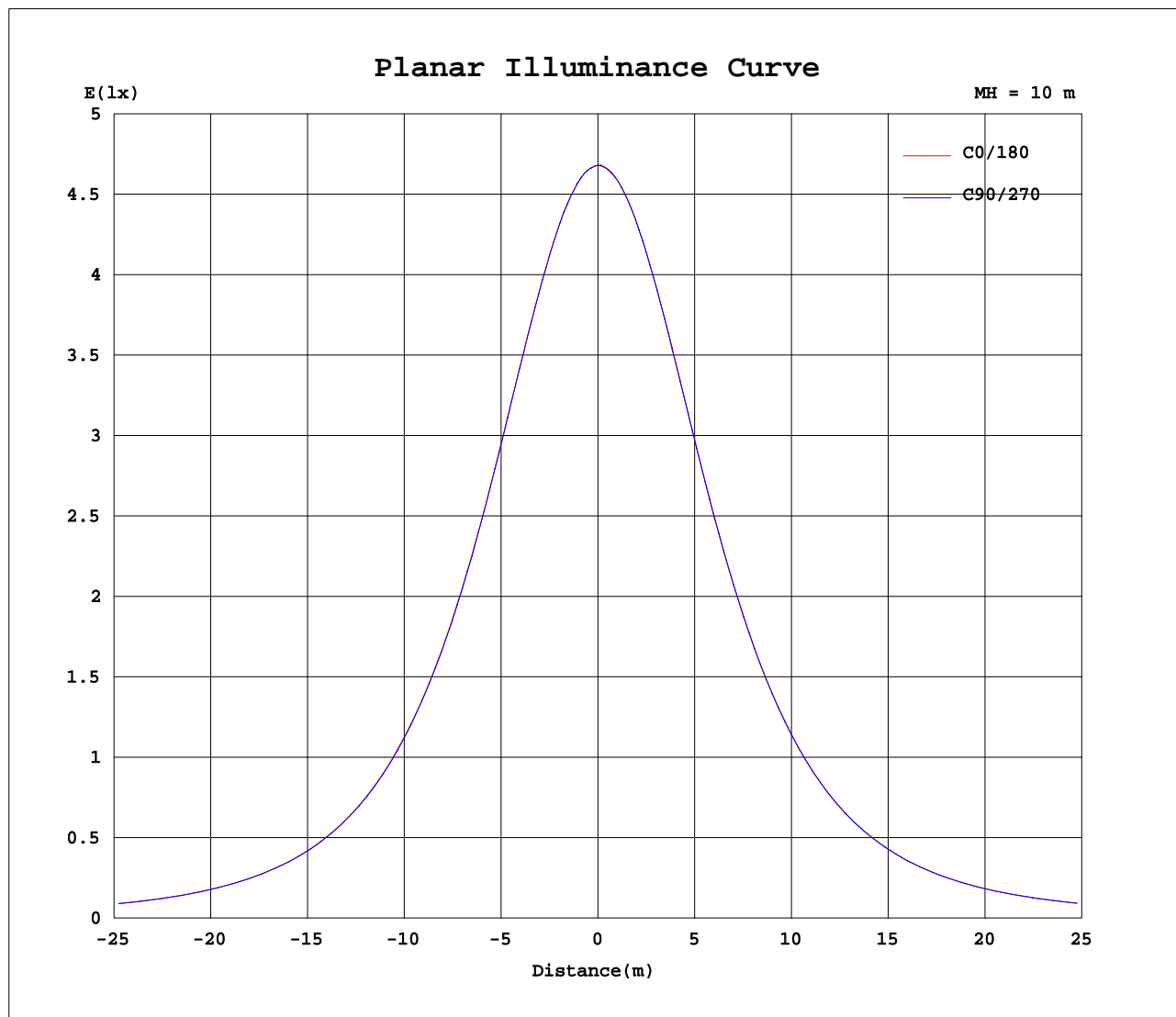
AvgL	cd/m2
L_0~180(65)av	3625
L_0~180(75)av	4146
L_0~180(85)av	7961
L_90~270(65)av	3625
L_90~270(75)av	4185
L_90~270(85)av	8104
L_45(65)av	3628
L_45(75)av	4168
L_45(85)av	8026

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.4DEG
Operators:BEN
Test Date:2018-08-15

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: 25.4DEG
 Operators: BEN
 Test Date: 2018-08-15

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:120.00V I:0.1991A P:23.510W PF:0.9841 Freq:60.00Hz Lamp Flux:1669.67x1 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	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468			
5	465	466	466	465	465	466	466	466	466	467	467	465	466	466	467	466			
10	459	459	459	458	459	460	459	460	460	461	461	461	460	461	460	460			
15	449	449	449	448	449	450	450	450	451	452	452	451	451	453	451	450			
20	435	435	435	434	435	436	436	436	438	438	439	438	438	439	437	437			
25	418	418	418	417	418	418	419	420	422	422	422	421	421	422	421	420			
30	397	397	397	396	397	397	398	399	401	401	402	401	401	400	400	400			
35	373	372	373	372	372	374	374	376	377	378	379	377	377	377	377	376			
40	347	346	346	345	346	347	347	349	351	352	353	351	351	351	350	350			
45	318	317	318	316	317	318	318	320	323	324	324	322	323	323	322	321			
50	287	286	286	285	286	287	287	288	292	293	293	291	292	292	291	290			
55	254	253	253	253	254	254	255	256	260	261	261	259	259	259	259	258			
60	222	220	220	220	221	222	222	223	227	228	228	227	227	226	226	225			
65	190	188	188	189	190	191	191	192	195	196	196	195	195	196	195	194			
70	160	159	159	159	161	161	162	162	165	166	166	165	165	166	165	164			
75	133	132	132	133	134	135	135	135	137	137	138	138	138	138	138	136			
80	108	107	107	108	109	110	110	110	112	112	112	112	113	113	112	111			
85	85.5	84.6	85.0	85.7	87.0	87.8	88.0	87.9	88.8	88.3	88.9	89.4	90.5	90.7	89.5	88.0			
90	65.1	64.4	64.8	65.7	66.6	67.4	67.6	67.5	68.3	67.7	68.4	68.7	69.8	70.2	69.0	67.7			
95	48.9	48.4	48.7	49.4	50.2	50.8	51.0	50.9	51.5	51.0	51.5	52.0	53.0	53.4	52.3	51.0			
100	37.6	37.1	37.4	37.9	38.4	39.1	39.1	39.1	39.5	38.8	39.4	39.7	40.5	41.0	40.2	39.2			
105	30.9	30.3	30.6	30.9	31.3	31.9	31.7	31.7	32.1	31.4	31.9	31.9	32.6	33.1	32.5	32.0			
110	28.6	27.8	28.0	28.9	29.4	29.1	28.6	28.7	29.4	29.5	29.2	28.7	28.9	29.8	30.1	29.8			
115	27.1	26.4	26.6	27.6	28.0	27.9	27.4	27.4	27.9	27.8	27.8	27.5	27.6	28.5	28.5	28.1			
120	24.9	24.3	24.6	25.6	26.0	25.9	25.4	25.2	25.7	25.6	25.6	25.6	25.6	26.3	26.3	25.8			
125	22.5	21.8	22.1	23.3	23.7	23.5	23.1	22.8	23.0	23.1	23.0	23.0	22.9	23.7	23.7	23.3			
130	19.3	19.0	19.5	20.6	21.0	20.8	20.4	19.9	20.2	20.3	20.4	20.1	19.9	20.8	20.8	20.1			
135	16.2	16.1	16.6	17.7	18.7	18.2	17.5	16.9	17.3	17.4	17.3	17.0	17.3	18.1	17.8	17.0			
140	13.1	13.3	13.7	14.5	14.9	14.6	14.4	13.8	14.1	14.2	14.0	13.6	13.4	14.3	14.5	13.8			
145	10.3	10.3	10.9	11.4	11.6	11.3	11.2	10.8	11.0	11.0	11.2	10.2	10.3	10.8	11.0	11.0			
150	7.09	7.41	7.66	9.04	8.39	8.26	8.30	7.58	7.52	7.43	7.40	7.39	7.31	7.53	8.06	7.47			
155	5.05	5.53	4.96	5.81	5.66	5.75	5.98	5.39	4.83	4.82	5.02	5.02	5.12	5.51	5.03	4.67			
160	4.11	4.19	3.74	4.04	4.41	4.56	4.08	3.87	3.79	3.69	3.81	3.80	3.98	3.05	3.47	3.56			
165	3.10	3.59	2.74	3.08	3.78	3.82	3.45	2.52	3.04	3.09	3.12	3.24	3.28	2.42	2.31	3.09			
170	2.91	2.91	2.13	2.25	3.20	3.24	2.58	1.80	2.53	2.59	2.89	2.83	2.79	2.00	2.48	2.47			
175	1.71	1.71	1.36	1.06	1.32	1.93	1.04	1.04	1.49	1.50	1.53	1.61	1.46	2.08	2.38	1.43			
180	0.53	0.55	0.58	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60			

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