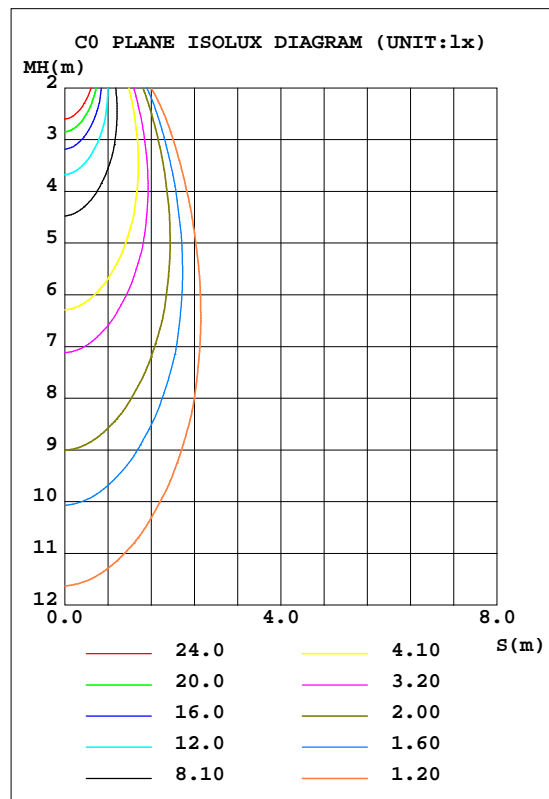
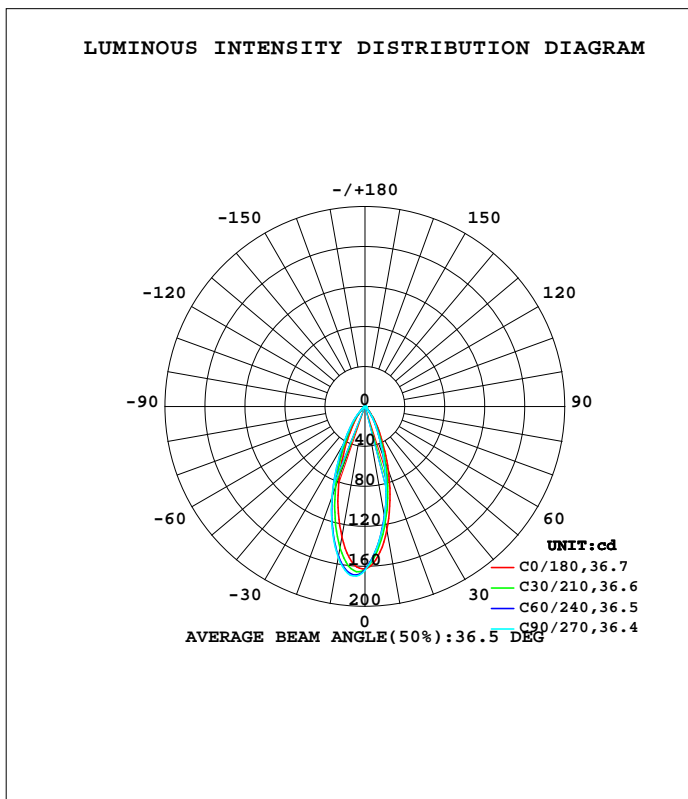


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 30.50 lm/W
MODEL	1930B-5R	I _{max} (cd)	170.0	S/MH(C0/180)	0.61	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.72	
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	85.007	h UP, DN(C0-180)	0.0,41.2	
NOMINAL FLUX(lm)	85.007	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,58.8	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230.0	h down(%)	100.0	CIBSE SHR MAX	0.60	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

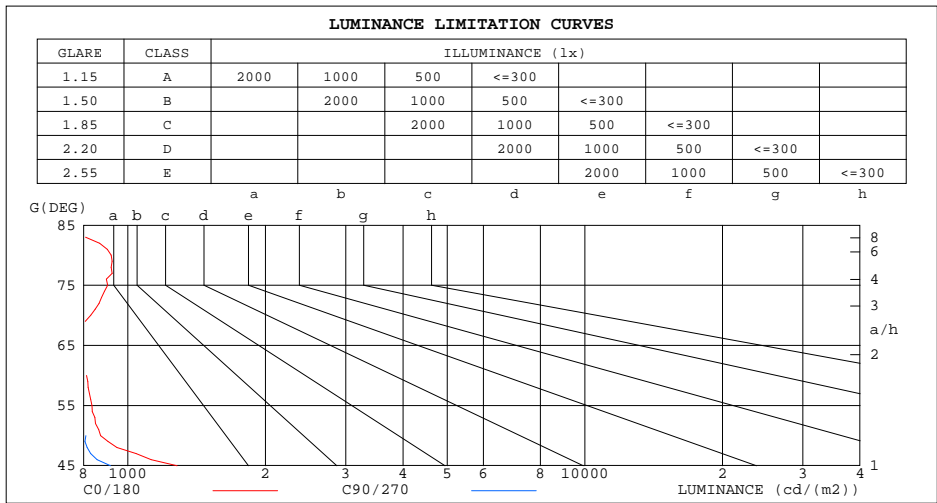
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	125.7	114.6	112.5	119.0	132.8	149.2	153.8	144.2	0- 10	14.02	14.02	16.5,16.5
20	68.58	57.27	54.62	60.55	75.28	91.63	96.41	85.95	10- 20	28.28	42.30	49.8,49.8
30	27.53	21.86	20.64	23.37	30.61	40.30	43.47	37.45	20- 30	22.62	64.92	76.4,76.4
40	7.967	5.404	5.129	6.790	10.39	14.59	16.05	13.21	30- 40	11.71	76.63	90.1,90.1
50	2.130	1.938	1.979	2.139	2.444	3.168	3.465	2.759	40- 50	3.925	80.56	94.8,94.8
60	1.544	1.364	1.360	1.571	1.726	1.899	1.917	1.695	50- 60	1.758	82.32	96.8,96.8
70	1.078	0.9936	0.9934	1.131	1.212	1.332	1.311	1.156	60- 70	1.350	83.66	98.4,98.4
80	0.6067	0.4370	0.3937	0.5568	0.7322	0.9232	0.9518	0.7751	70- 80	0.9991	84.66	99.6,99.6
90	0	0	0	0	0	0.1233	0.1691	0.0176	80- 90	0.3432	85.01	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

g Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

LUMINANCE LIMITATION CURVES

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	684	0
80	919	597
75	903	745
70	830	764
65	755	702
60	813	716
55	834	766
50	872	810
45	1283	917

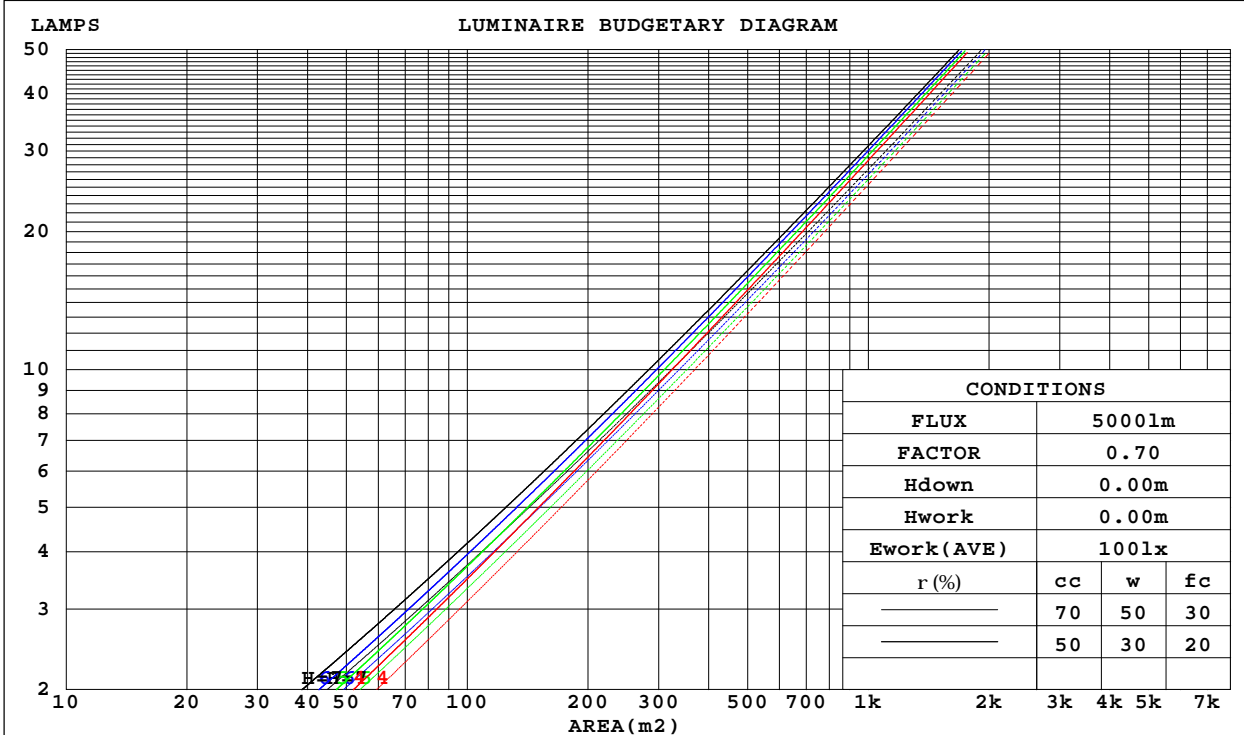
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

G Range: 0 - 90DEG
 G Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{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	1.00
1.0	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.96	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.81
4.0	.91	.85	.81	.90	.85	.81	.87	.83	.80	.85	.82	.79	.84	.81	.78	.77
5.0	.86	.80	.76	.85	.79	.75	.83	.78	.75	.81	.77	.74	.80	.76	.73	.72
6.0	.81	.75	.71	.80	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.66	.74	.69	.66	.73	.69	.66	.64
8.0	.73	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
9.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.59	.58
10.0	.66	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.64	.60	.57	.56



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

WEC AND CCEC

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.181	.103	.033	.175	.100	.032	.162	.093	.030	.150	.087	.028	.140	.081	.026	
2.0	.170	.093	.029	.165	.091	.028	.154	.086	.027	.144	.081	.025	.135	.077	.024	
3.0	.160	.085	.026	.155	.083	.025	.146	.079	.024	.138	.076	.023	.130	.072	.022	
4.0	.151	.078	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.125	.068	.021	
5.0	.142	.073	.021	.139	.071	.021	.132	.069	.020	.126	.066	.020	.120	.064	.019	
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.120	.063	.018	.115	.061	.018	
7.0	.128	.063	.018	.126	.063	.018	.120	.061	.018	.115	.059	.017	.111	.058	.017	
8.0	.122	.060	.017	.120	.059	.017	.115	.058	.016	.111	.056	.016	.107	.055	.016	
9.0	.117	.056	.016	.115	.056	.016	.110	.055	.015	.106	.053	.015	.103	.052	.015	
10.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.102	.051	.014	.099	.050	.014	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.113	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.123	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.099	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.088	.055	.032	.061	.039	.023	.036	.023	.014	.012	.007	.004	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.055	.033	.017	.032	.019	.010	.010	.006	.003	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

UGR(Unified Glare Rating) Table

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm										
NAME: Hilton shelf light					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: CG LIGHTING					SUR.:			Shielding Angle:		
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	16.4	17.3	16.6	17.5	17.6	15.3	16.2	15.5	16.4	16.6
3H	17.1	18.0	17.4	18.2	18.4	16.3	17.1	16.6	17.3	17.5
4H	17.6	18.4	17.9	18.6	18.8	16.8	17.6	17.1	17.9	18.1
6H	18.1	18.8	18.4	19.1	19.3	17.2	18.0	17.5	18.2	18.5
8H	18.2	19.0	18.5	19.2	19.5	17.3	18.0	17.6	18.3	18.5
12H	18.3	19.0	18.6	19.3	19.6	17.2	17.9	17.6	18.2	18.5
4H 2H	16.5	17.3	16.8	17.5	17.7	15.6	16.4	15.8	16.6	16.8
3H	17.5	18.2	17.8	18.5	18.7	16.8	17.5	17.2	17.8	18.1
4H	18.2	18.8	18.5	19.1	19.4	17.6	18.2	17.9	18.5	18.8
6H	18.8	19.4	19.2	19.7	20.0	18.0	18.6	18.4	18.9	19.3
8H	19.0	19.5	19.4	19.9	20.2	18.1	18.6	18.5	19.0	19.4
12H	19.1	19.6	19.5	19.9	20.3	18.1	18.6	18.5	18.9	19.3
8H 4H	18.4	18.9	18.8	19.2	19.6	17.8	18.3	18.2	18.7	19.0
6H	19.1	19.5	19.5	19.9	20.3	18.4	18.8	18.8	19.2	19.6
8H	19.4	19.7	19.8	20.2	20.6	18.5	18.9	18.9	19.3	19.7
12H	19.5	19.8	20.0	20.3	20.7	18.5	18.8	18.9	19.2	19.7
12H 4H	18.4	18.8	18.8	19.2	19.6	17.8	18.3	18.2	18.7	19.0
6H	19.1	19.5	19.6	19.9	20.3	18.4	18.8	18.9	19.2	19.7
8H	19.4	19.7	19.9	20.2	20.6	18.5	18.9	19.0	19.3	19.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 0.8					+ 0.8 / - 0.7				
1.5H	+ 2.9 / - 0.8					+ 1.7 / - 0.6				
2.0H	+ 0.8 / - 0.5					+ 0.2 / - 0.4				

CIE Pub.117, 85.01 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.6)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

UTILIZATION FACTORS TABLE

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

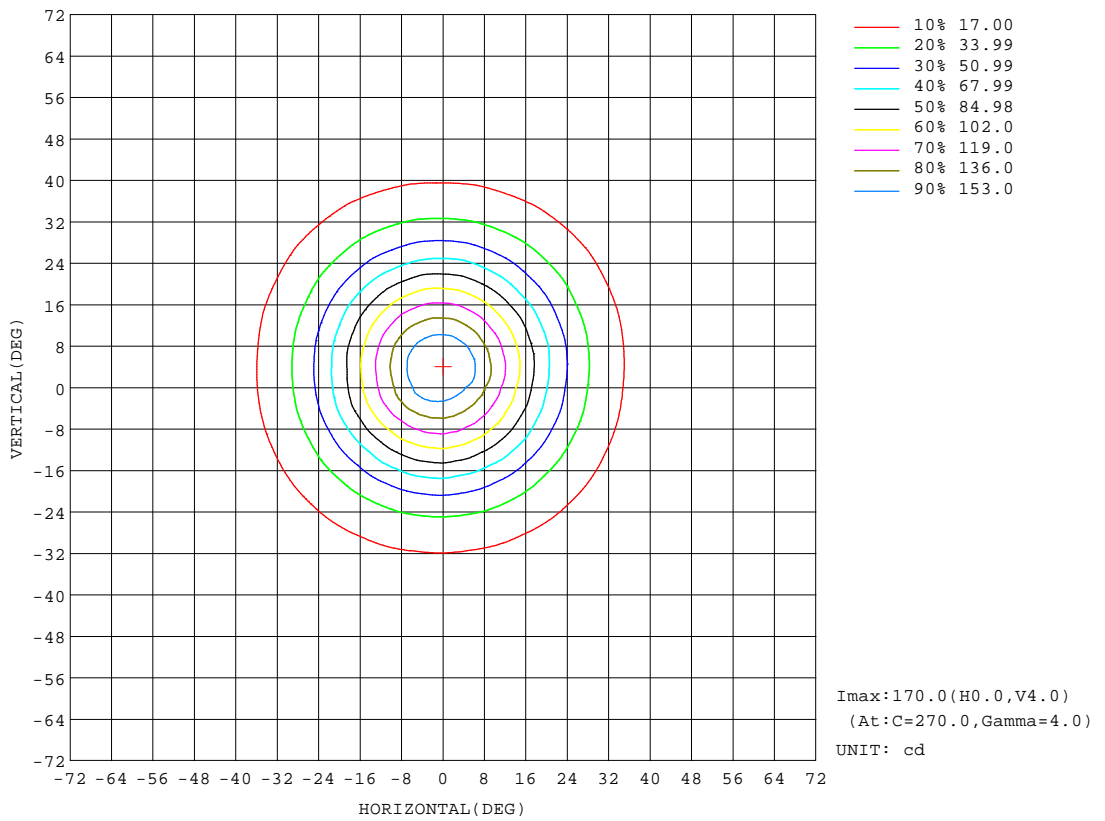
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	87	95	91	87	83
1.25	102	96	92	101	96	92	99	94	91	87
1.50	105	99	96	103	99	95	101	97	94	90
2.00	107	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	109	106	107	105	104	96
5.00	115	112	110	112	110	108	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

ISOCANDELA DIAGRAM

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

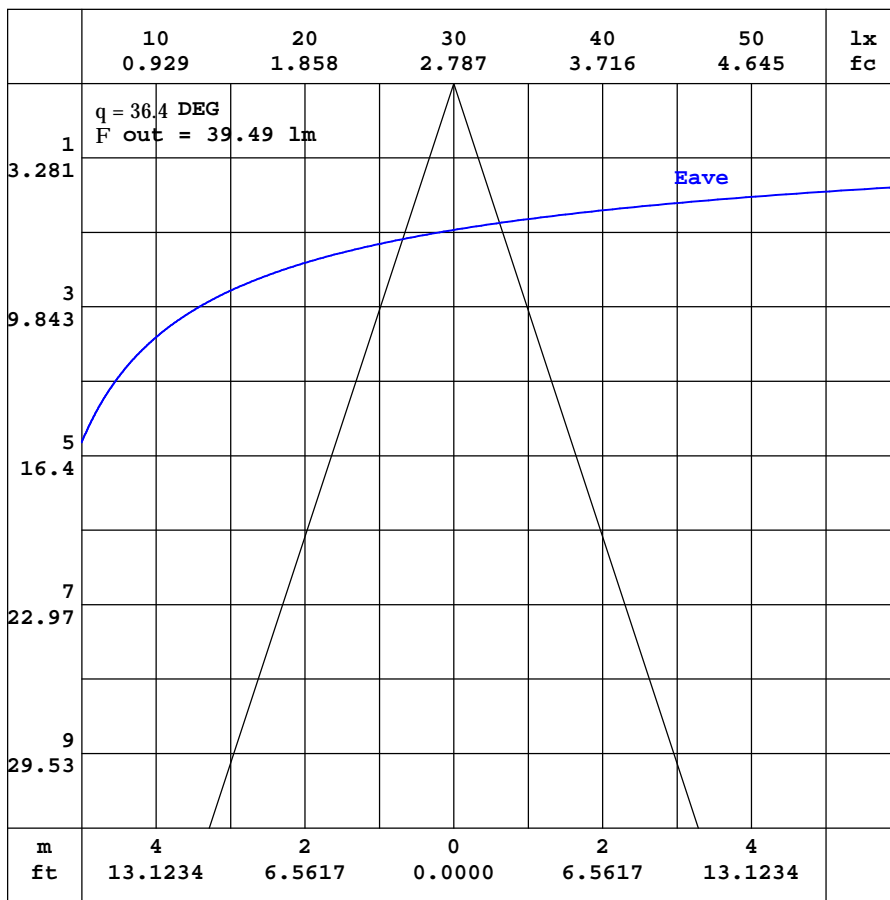


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

AAI CURVES

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



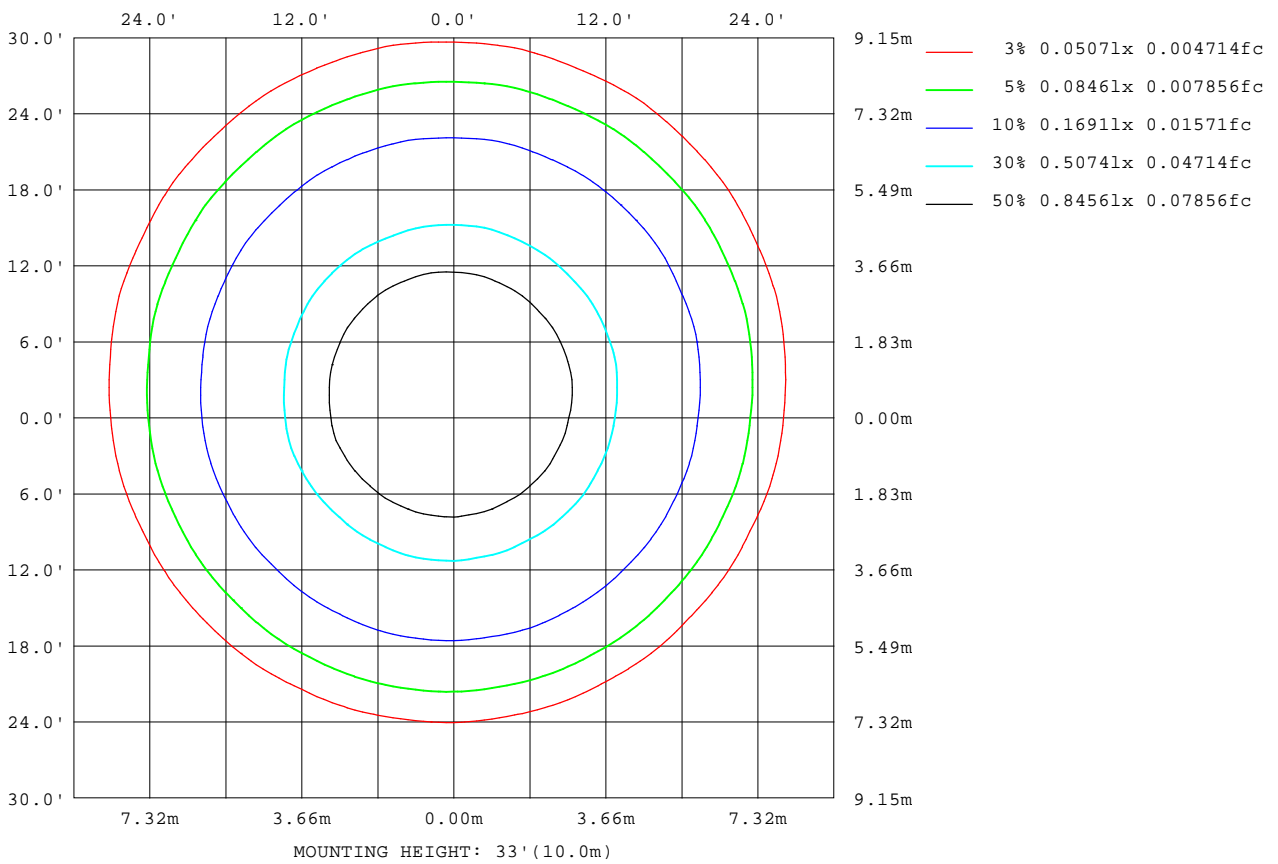
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

ISOLUX DIAGRAM

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 10 March 2018

Page Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity: 65.0%
 Test Distance: 10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

LED Avg.L Report

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

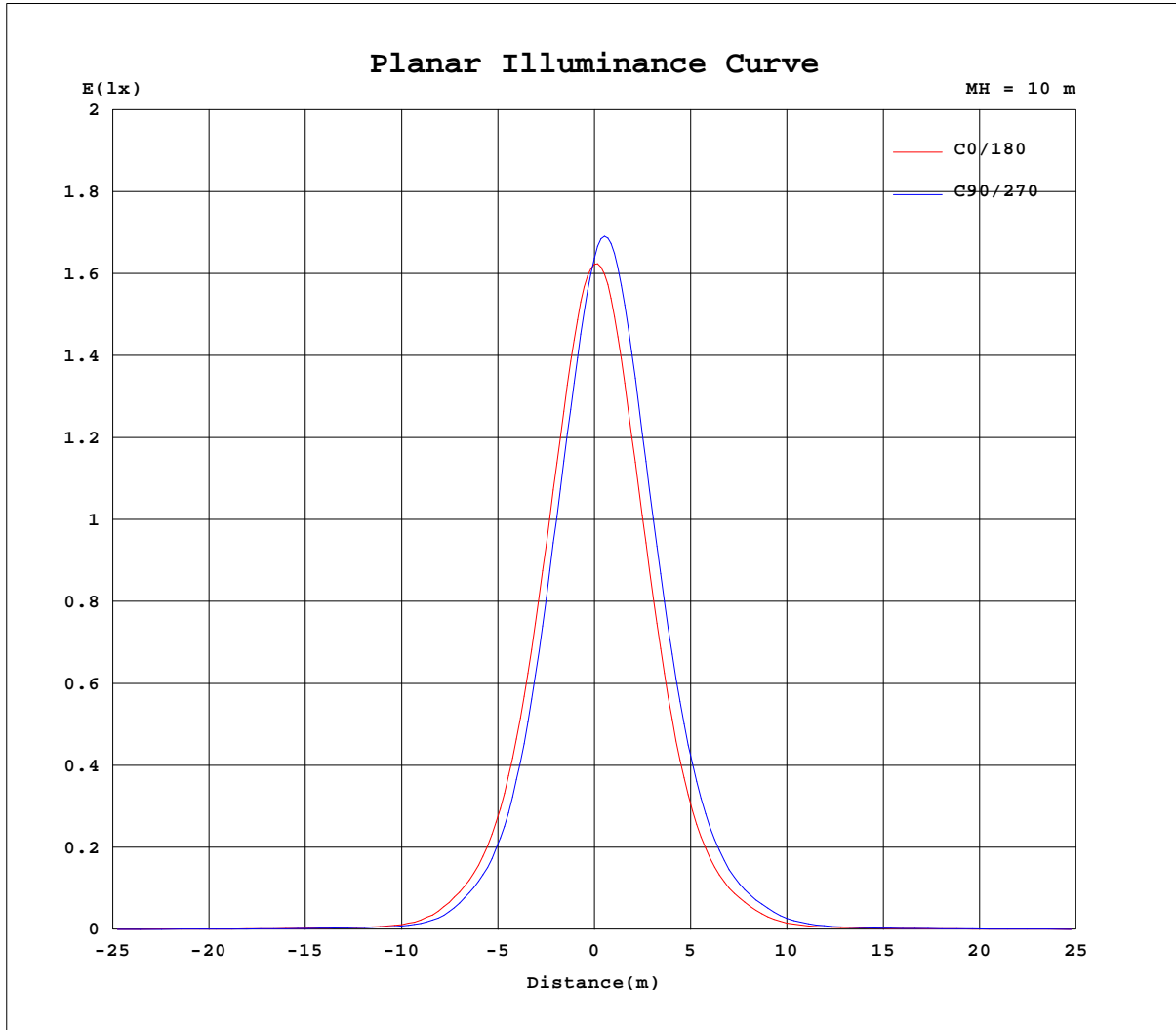
AvgL	cd/m2
L_0~180(65)av	814
L_0~180(75)av	989
L_0~180(85)av	903
L_90~270(65)av	860
L_90~270(75)av	974
L_90~270(85)av	927
L_45(65)av	840
L_45(75)av	977
L_45(85)av	870

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 10 March 2018

Page Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity: 65.0%
 Test Distance: 10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	162	163	162	163	163	163	163	163	163	164	164	164	164	165	165	165	165	165	162
5	151	149	146	145	143	142	141	141	140	141	141	143	144	146	147	150	152	155	156
10	126	123	120	118	115	114	112	113	112	113	113	115	115	118	120	124	127	131	133
15	97.1	93.9	90.4	88.2	85.7	83.9	82.0	81.8	81.3	82.2	82.6	84.2	85.5	88.1	90.3	93.9	97.6	102	105
20	68.6	65.5	62.6	60.7	58.0	56.5	55.0	54.7	54.1	54.6	55.0	56.4	57.4	59.6	61.5	64.9	68.7	72.6	75.3
25	44.6	42.5	40.0	38.4	36.4	35.5	34.6	34.3	33.7	33.8	34.1	35.1	35.9	37.5	39.0	41.6	44.0	46.9	49.7
30	27.5	26.2	24.4	23.4	22.1	21.6	20.9	20.7	20.5	20.6	20.7	21.4	21.9	23.0	23.8	25.4	26.7	28.8	30.6
35	16.6	15.6	14.4	13.6	12.7	12.2	11.7	11.8	11.5	11.8	11.8	12.5	12.9	13.7	14.4	15.4	16.2	17.4	18.4
40	7.97	7.30	6.48	5.95	5.52	5.29	4.91	4.78	4.85	5.13	5.21	5.53	5.90	6.58	7.00	7.75	8.39	9.47	10.4
45	3.45	3.08	2.84	2.68	2.58	2.47	2.47	2.45	2.47	2.46	2.52	2.63	2.78	2.92	3.10	3.51	3.74	4.24	4.53
50	2.13	2.02	2.03	1.94	1.97	1.90	1.97	1.92	1.98	1.98	2.02	1.99	2.09	2.08	2.20	2.21	2.34	2.39	2.44
55	1.82	1.72	1.75	1.66	1.71	1.65	1.70	1.64	1.72	1.67	1.76	1.70	1.80	1.78	1.89	1.86	1.99	1.99	1.99
60	1.54	1.43	1.46	1.37	1.40	1.33	1.40	1.34	1.40	1.36	1.45	1.42	1.52	1.53	1.61	1.59	1.69	1.68	1.73
65	1.21	1.11	1.16	1.11	1.16	1.11	1.17	1.13	1.19	1.13	1.22	1.18	1.25	1.21	1.30	1.29	1.37	1.35	1.40
70	1.08	0.99	1.04	0.97	1.02	0.97	1.03	0.98	1.04	0.99	1.06	1.06	1.12	1.09	1.17	1.13	1.23	1.18	1.21
75	0.89	0.79	0.83	0.75	0.80	0.74	0.78	0.73	0.78	0.73	0.81	0.77	0.87	0.85	0.93	0.92	1.02	1.01	1.06
80	0.61	0.51	0.52	0.44	0.47	0.40	0.44	0.40	0.43	0.39	0.46	0.43	0.52	0.51	0.61	0.63	0.71	0.70	0.73
85	0.23	0.13	0.13	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.08	0.07	0.17	0.19	0.29	0.30	0.37
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:10 March 2018

g Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.320m [K=1.0000]
 Remarks: ZG1 BGC AED36-12VLS

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.17V I:0.0330A P:2.7867W PF:0.3650 Freq:49.99Hz Lamp Flux:85.007x1 lm		
NAME: Hilton shelf light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	163	162	163	163	163	163	163	163	164	164	164	164	165	165	165	165	165		
5	158	161	163	165	167	168	168	169	169	169	168	167	165	163	161	159	156		
10	136	141	144	148	150	153	153	154	154	153	151	149	146	143	139	136	131		
15	108	113	116	121	123	126	127	128	127	126	123	121	117	114	110	107	102		
20	78.5	83.2	86.4	90.4	92.8	95.6	96.3	97.6	96.4	95.6	93.0	90.9	87.1	84.8	80.6	77.4	72.9		
25	52.4	56.1	58.8	62.4	64.5	66.3	66.6	67.8	67.5	67.2	64.5	62.6	59.8	57.6	54.1	51.7	48.3		
30	32.7	35.2	37.0	39.7	40.9	42.7	43.3	44.0	43.5	43.5	41.4	40.3	38.3	36.6	34.1	32.3	29.9		
35	19.5	21.2	22.3	24.1	24.7	26.2	26.7	27.2	26.5	26.8	25.5	24.9	23.4	22.5	20.7	19.7	17.9		
40	11.4	12.5	13.2	14.3	14.9	15.9	16.0	16.4	16.0	16.1	15.3	14.8	13.6	12.8	11.4	10.5	9.13		
45	4.82	5.57	6.11	6.73	7.12	7.65	8.03	8.02	7.76	7.61	7.11	6.92	5.96	5.54	4.81	4.47	3.86		
50	2.57	2.78	2.89	3.10	3.24	3.36	3.40	3.49	3.47	3.37	3.16	3.01	2.87	2.65	2.47	2.30	2.23		
55	2.10	2.07	2.16	2.12	2.21	2.18	2.24	2.20	2.22	2.12	2.14	2.05	2.05	1.97	1.95	1.85	1.88		
60	1.83	1.79	1.90	1.86	1.94	1.88	1.94	1.87	1.92	1.80	1.85	1.74	1.74	1.65	1.67	1.57	1.58		
65	1.50	1.52	1.60	1.56	1.65	1.60	1.66	1.58	1.64	1.55	1.56	1.44	1.45	1.34	1.33	1.23	1.24		
70	1.28	1.25	1.33	1.30	1.36	1.31	1.36	1.30	1.31	1.23	1.25	1.18	1.21	1.10	1.15	1.09	1.11		
75	1.13	1.10	1.18	1.12	1.21	1.15	1.21	1.13	1.18	1.11	1.13	1.07	1.06	0.98	0.99	0.89	0.92		
80	0.84	0.84	0.92	0.88	0.97	0.91	0.97	0.90	0.95	0.86	0.89	0.80	0.82	0.73	0.74	0.65	0.65		
85	0.45	0.44	0.54	0.52	0.61	0.58	0.63	0.59	0.61	0.52	0.56	0.46	0.48	0.40	0.38	0.27	0.28		
90	0.00	0.00	0.08	0.10	0.15	0.16	0.19	0.18	0.17	0.14	0.11	0.06	0.04	0.00	0.00	0.00	0.00		

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