

AlumLed

Características Generales de los Luminarios LEDS para Empotrar AlumLed.

Los Luminarios LEDS para Empotrar AlumLed, cuentan con un diseño especial que le permite disipar el calor. Esto aunado a su nuevo aluminio ambiental, lo hace un producto de confianza con un estilo novedoso, estético y durable.

Tiene un diámetro de corte del falso techo de 115 mm.

AlumLed, ofrece un aspecto y diseño compacto, crea una iluminación suave y natural, que garantiza el confort visual.

Con un consumo de apenas 9 W que permite ahorrar energía. Es muy fácil y segura la instalación.

Su larga duración de 35000 horas pone fin al problema de reposición de lámparas.

AlumLed, tiene un Índice de Protección de entrada de cuerpos sólidos y humedad de 60 IP.

Está fabricado en Aluminio con terminado en color Blanco y Níquel Satín.

Incluye una balastra para el funcionamiento a Corriente Alterna Domestica.

Aplicaciones de los Luminarios LEDS para Empotrar AlumLed.

Los Luminarios LEDS para Empotrar AlumLed, están indicadas para todos los usos, creando un ambiente decorativo, tanto a nivel doméstico como en centros comerciales, hoteles, oficinas, edificios, restaurantes, teatros, plazas comerciales, hoteles, universidades, colegios, escuelas, etc.

Garantía de los Luminarios LEDS para Empotrar AlumLed.

Las Luminarias AlumLed, tienen una garantía de 2 (dos) años sujeto a cláusulas VentDepot.

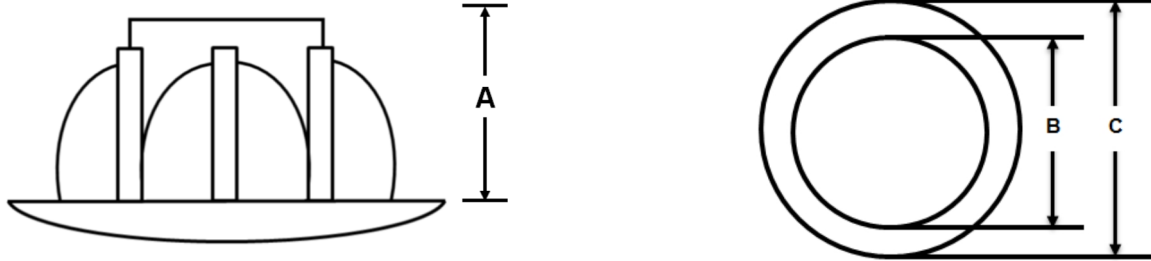


Características Técnicas Específicas de los Luminarios LEDS para Empotrar AlumLed.																		
Clave	Alimentación			Tipo de Lámpara	Ángulo de Apertura	Temperatura de Color	Color	Índice de Protección	Terminado	Material	Peso		Dimensiones con Empaque					
	VCA	Im	W								kg	lb	Base cm	Altura in	Fondo cm	Fondo in		
MXALD-001	85/265	630	9	LED	120°	3000°K	Blanco Cálido	60	Blanco	Aluminio	0.25	0.55	16	6	6	2	16	6
MXALD-002	85/265	630	9	LED	120°	6000°K	Blanco Frío	60	Blanco	Aluminio	0.25	0.55	16	6	6	2	16	6
MXALD-003	85/265	630	9	LED	120°	3000°K	Blanco Cálido	60	Níquel Satín	Aluminio	0.25	0.55	16	6	6	2	16	6
MXALD-004	85/265	630	9	LED	120°	6000°K	Blanco Frío	60	Níquel Satín	Aluminio	0.25	0.55	16	6	6	2	16	6



AlumLed

Dimensiones en mm



Clave	A	B	C
MXALD-001	40	115	140
MXALD-002	40	115	140
MXALD-003	40	115	140
MXALD-004	40	115	140

Galería





AlumLed

Tabla de Equivalencia de Watts		
LED Watts	Fluorescente Watts	Incandescente Watts
1	2	8
2	4	16
3	6	24
4	8	32
5	10	40
6	12	48
7	14	56
8	16	64
9	18	72
10	20	80
11	22	88
12	24	96
13	26	104
14	28	112
15	30	120
16	32	128
17	34	136
18	36	144
19	38	152
20	40	160
21	42	168
22	44	176
23	46	184
24	48	192
25	50	200
26	52	208
27	54	216
28	56	224
29	58	232
30	60	240
31	62	248
32	64	256
33	66	264
34	68	272
35	70	280
36	72	288
37	74	296
38	76	304
39	78	312
40	80	320
41	82	328
42	84	336
43	86	344
44	88	352
45	90	360
46	92	368
47	94	376
48	96	384
49	98	392
50	100	400
75	150	600
100	200	800
150	300	1200
200	400	1600



Índices de Protección IP: Tabla de Referencia

Primera Cifra de Característica		Grados de Protección a partes Peligrosas		Segunda Cifra de Característica		Grados de Protección a partes Peligrosas	
I.P	Ejemplo	Pruebas			I.P	Ejemplo	
0		No protegida	Sin protección		0		Sin protección
1		Impide la penetración de una esfera de 50 mm de diámetro. Protege contra contacto accidental	Reverso de la mano		1		Goteo vertical
2		Impide la penetración de una esfera de 12mm de diámetro	Dedos u objetos análogos		2		Goteo vertical con una inclinación máxima de la envolvente de hasta 15° con respecto a la posición normal
3		Impide la penetración de una sonda de 2.5 mm de diámetro	Herramientas		3		Agua pulverizada (lluvia) con una dirección de hasta 60° con la vertical
4		Impide la penetración de una sonda de 1 mm de diámetro	Alambres		4		Proyección de agua en todas direcciones limitadas
5		Protegida contra la penetración de polvo (acumulación no peligrosa)	Protección al polvo	Alambres	5		Agua proyectada con la ayuda de una boquilla en todas las direcciones
6		Estanqueidad total al polvo	Estanqueidad total al polvo		6		Fuertes chorros de agua o contra la mar gruesa en todas las direcciones
					7		Inmersión temporal
					8		Inmersión prolongada en agua bajo las condiciones específicas por el fabricante*

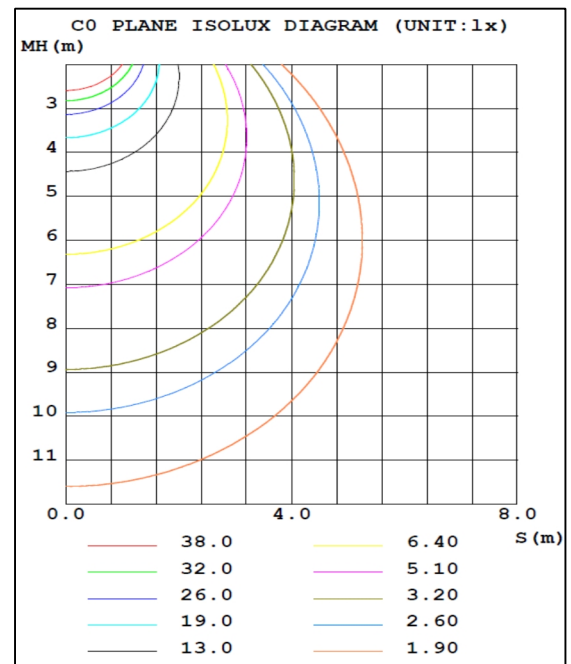
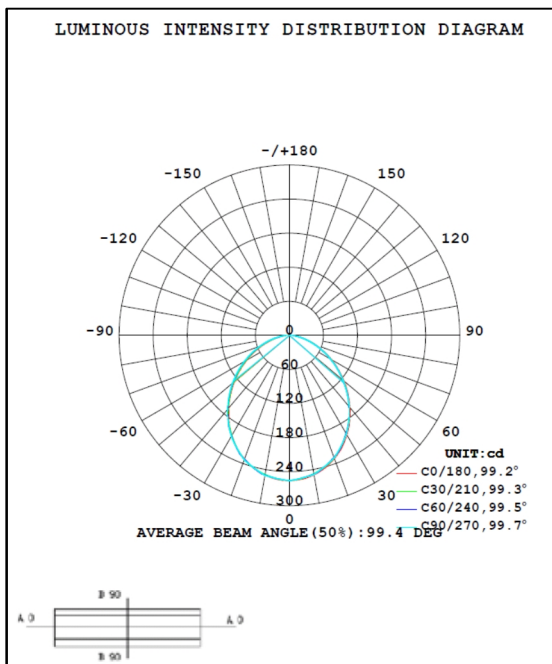
Ejemplo:

- **I.P. – 31:** Impide la penetración de una sonda de 2.5 mm de diámetro. Protegida contra la caída vertical de gotas de agua.
- **I.P. – 66:** Estanqueidad total al polvo. Protegida contra fuertes chorros de agua contra la mar gruesa.
- **I.P. – 01:** Sin protección. Protegida contra la caída vertical de gotas de agua.
- **I.P. – 62:** Estanqueidad total al polvo. Protegida contra la caída de gotas de agua con una inclinación máxima de 15°

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830 Lamp Flux:800x1 lm		
NAME: MZLD-09008	TYPE:	
DIM.: 0.140m	SPEC.:	SERIAL No.:1
MFR.: Mazzetti	SUR.:(R)d=0.1m	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	255.7	S/MH(C0/180)	1.18
NOMINAL POWER(W)	9	LOR(%)	78.9	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	631.01	η UP,DN(C0-180)	0.0,38.6
NOMINAL FLUX(lm)	800	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,40.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	219.1	η down(%)	78.9	CIBSE SHR MAX	1.35



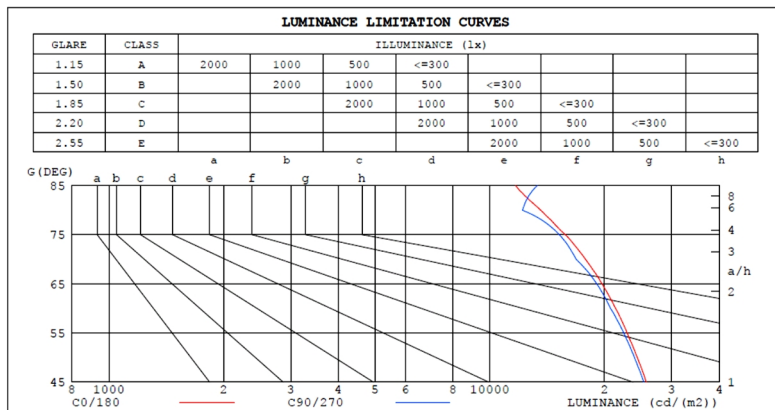
**ZONAL FLUX DIAGRAM
 AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum.lamp
5	254.0	252.3	252.2	252.6	254.3	253.1	253.0	252.9	0- 5	6.073	6.073	0.96,0.76
10	249.1	247.4	248.6	247.9	249.7	249.1	250.3	248.6	5- 10	17.94	24.01	3.8,3
15	241.5	240.2	239.2	241.0	242.3	242.7	241.8	241.9	10- 15	29.04	53.05	8.41,6.63
20	231.0	228.4	229.8	229.4	232.0	231.8	233.2	230.9	15- 20	38.84	91.89	14.6,11.5
25	217.7	215.7	215.2	216.6	219.0	219.6	219.3	218.7	20- 25	47.01	138.9	22,17.4
30	202.0	199.9	200.6	200.9	203.5	204.4	205.5	203.4	25- 30	53.10	192.0	30.4,24
35	184.5	181.9	182.1	183.2	186.0	187.1	187.7	185.9	30- 35	56.98	249.0	39.5,31.1
40	165.5	163.5	163.7	165.0	167.1	169.4	169.9	167.8	35- 40	58.50	307.5	48.7,38.4
45	145.6	143.2	143.5	144.5	147.3	149.3	150.6	148.0	40- 45	57.83	365.3	57.9,45.7
50	125.4	123.6	123.2	124.6	127.1	129.8	131.3	128.8	45- 50	55.11	420.4	66.6,52.6
55	105.3	103.0	103.1	104.1	106.8	110.0	111.7	108.8	50- 55	50.62	471.0	74.6,58.9
60	85.51	83.39	82.94	84.45	86.96	90.91	92.00	89.70	55- 60	44.66	515.7	81.7,64.5
65	66.59	64.61	64.52	65.33	67.86	71.86	73.50	71.06	60- 65	37.61	553.3	87.7,69.2
70	48.79	47.19	46.10	47.63	49.83	53.98	55.01	53.45	65- 70	29.91	583.2	92.4,72.9
75	32.68	31.14	31.51	31.43	33.59	37.30	39.28	36.80	70- 75	21.99	605.2	95.9,75.6
80	18.89	18.29	16.93	18.41	19.61	23.19	23.56	22.94	75- 80	14.52	619.7	98.2,77.5
85	8.145	8.421	9.295	8.388	8.627	11.58	13.39	11.54	80- 85	8.027	627.7	99.5,78.5
90	0.7016	1.787	1.662	1.705	1.271	2.725	3.218	2.774	85- 90	3.279	631.0	100,78.9
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG												

LUMINOUS INTENSITY:cd

UNIT:lm

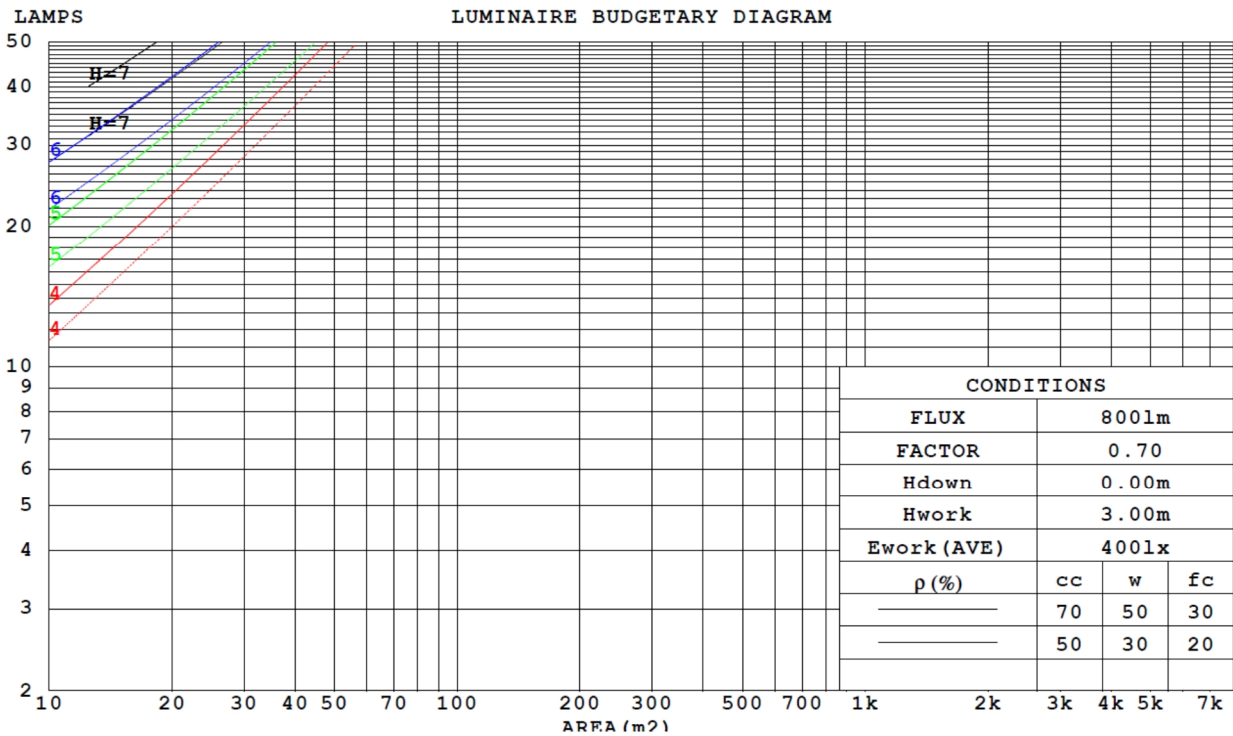


LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11681	13331
80	13598	12185
75	15782	15219
70	17830	16848
65	19694	19084
60	21377	20736
55	22940	22466
50	24381	23964
45	25737	25362

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830						Lamp Flux:800x1 lm							
NAME: MZLD-09007						TYPE:							
DIM.: 0.145m						SPEC.:						SERIAL No.:1	
MFR.: Mazzetti						SUR.:(R)d=0.1m						PROTECTION ANGLE:	

ρ cc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
ρ w	20%			20%			20%			20%			20%			0
ρ fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.94	.94	.94	.92	.92	.92	.88	.88	.88	.84	.84	.84	.80	.80	.80	.79
1.0	.83	.79	.76	.81	.78	.75	.77	.75	.73	.74	.72	.71	.71	.70	.68	.67
2.0	.72	.67	.63	.71	.66	.62	.68	.64	.61	.66	.62	.59	.63	.60	.58	.56
3.0	.64	.58	.53	.63	.57	.52	.60	.55	.51	.58	.54	.50	.56	.53	.50	.48
4.0	.57	.50	.45	.56	.50	.45	.54	.48	.44	.52	.47	.44	.50	.46	.43	.41
5.0	.51	.44	.39	.50	.44	.39	.49	.43	.38	.47	.42	.38	.46	.41	.38	.36
6.0	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.37	.34	.41	.37	.33	.32
7.0	.42	.35	.30	.41	.35	.30	.40	.34	.30	.39	.34	.30	.38	.33	.30	.28
8.0	.38	.32	.27	.38	.32	.27	.37	.31	.27	.36	.31	.27	.35	.30	.27	.25
9.0	.35	.29	.25	.35	.29	.25	.34	.28	.24	.33	.28	.24	.32	.28	.24	.23
10.0	.33	.27	.22	.32	.26	.22	.31	.26	.22	.31	.26	.22	.30	.25	.22	.21



WEC AND CCEC

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007		TYPE:	
DIM.: 0.145m		SPEC.:	SERIAL No.:1
MFR.: Mazzetti		SUR.:(R)d=0.1m	PROTECTION ANGLE:

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	.233	.133	.042	.228	.130	.041	.217	.125	.040	.208	.120	.038	.199	.115	.037	
2.0	.220	.121	.037	.215	.119	.037	.206	.115	.036	.198	.111	.035	.190	.107	.034	
3.0	.204	.109	.033	.200	.107	.032	.192	.104	.032	.185	.101	.031	.178	.098	.030	
4.0	.189	.098	.029	.186	.097	.029	.178	.095	.028	.172	.092	.028	.166	.090	.027	
5.0	.176	.090	.026	.172	.088	.026	.166	.086	.025	.160	.084	.025	.155	.083	.025	
6.0	.163	.082	.023	.160	.081	.023	.155	.079	.023	.150	.078	.023	.145	.076	.023	
7.0	.152	.075	.021	.150	.075	.021	.145	.073	.021	.140	.072	.021	.136	.070	.021	
8.0	.143	.070	.020	.140	.069	.020	.136	.068	.019	.132	.067	.019	.128	.066	.019	
9.0	.134	.065	.018	.132	.064	.018	.128	.063	.018	.124	.062	.018	.120	.061	.018	
10.0	.126	.061	.017	.124	.060	.017	.121	.059	.017	.117	.058	.017	.114	.057	.016	

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	.150	.150	.150	.128	.128	.128	.088	.088	.088	.088	.088	.050	.016	.016	.016	
1.0	.141	.123	.107	.121	.106	.092	.083	.073	.064	.073	.064	.048	.015	.014	.012	
2.0	.135	.104	.079	.115	.090	.068	.079	.062	.047	.062	.047	.046	.015	.012	.009	
3.0	.128	.090	.060	.110	.078	.052	.075	.054	.036	.054	.036	.044	.014	.010	.007	
4.0	.122	.079	.047	.105	.069	.041	.072	.048	.029	.048	.029	.042	.013	.009	.006	
5.0	.116	.071	.038	.100	.062	.033	.069	.043	.023	.043	.023	.040	.013	.008	.005	
6.0	.110	.065	.032	.095	.056	.028	.066	.039	.019	.039	.019	.038	.012	.008	.004	
7.0	.105	.059	.027	.090	.051	.023	.063	.036	.017	.036	.017	.036	.012	.007	.003	
8.0	.100	.054	.023	.086	.047	.020	.060	.033	.014	.035	.020	.009	.011	.006	.003	
9.0	.095	.051	.020	.082	.044	.018	.057	.031	.013	.033	.018	.007	.011	.006	.002	
10.0	.091	.047	.018	.079	.041	.016	.054	.029	.011	.032	.017	.007	.010	.006	.002	

Uncorrected UGR Table

Test: U:219.2V I:0.0890 A P:9.440W PF:0.		
NAME: MZLD-09007	TYPE:	
DIM.:0.145m	SPEC.:	SERIAL No.:1
MFR: Mazzetti	SUR.:(R)d=0.1m	PROTECTION 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 dimensiones	Viewed crosswise	Viewed endwise
X= 2H Y= 2H	23.4 24.9 23.7 25.1 25.3	23.3 24.8 23.6 25.0 25.2
3H	24.6 26.0 24.9 26.2 26.4	24.5 25.9 24.8 26.1 26.3
4H	25.1 26.4 25.4 26.6 26.9	25.0 26.3 25.3 26.5 26.8
6H	25.4 26.6 25.7 26.9 27.2	25.2 26.5 25.6 26.7 27.0
8H	25.5 26.7 25.8 26.9 27.2	25.3 26.5 25.7 26.8 27.1
12H	25.5 26.7 25.9 27.0 27.3	25.4 26.5 25.8 26.8 27.1
4H 2H	23.9 25.2 24.2 25.4 25.7	23.8 25.1 24.1 25.4 25.6
3H	25.3 26.4 25.6 26.7 27.0	25.2 26.3 25.5 26.6 26.9
4H	25.9 26.9 26.2 27.2 27.5	25.8 26.8 26.1 27.1 27.4
6H	26.3 27.2 26.7 27.6 27.9	26.2 27.1 26.6 27.4 27.8
8H	26.4 27.3 26.8 27.6 28.0	26.3 27.1 26.7 27.5 27.9
12H	26.5 27.3 27.0 27.7 28.1	26.4 27.2 26.8 27.6 28.0
8H 4H	26.0 26.9 26.5 27.3 27.6	26.0 26.8 26.4 27.2 27.6
6H	26.6 27.3 27.0 27.7 28.1	26.5 27.2 26.9 27.6 28.0
8H	26.8 27.4 27.3 27.9 28.3	26.7 27.3 27.1 27.7 28.2
12H	27.0 27.5 27.5 28.0 28.5	26.9 27.4 27.4 27.9 28.4
12H 4H	26.0 26.8 26.5 27.2 27.6	26.0 26.7 26.4 27.1 27.5
6H	26.6 27.3 27.1 27.7 28.1	26.5 27.1 27.0 27.6 28.0
8H	26.9 27.4 27.4 27.9 28.3	26.8 27.3 27.2 27.7 28.2
Variations with the observer position at spacings:		
S=1.0H	+0.2/-0.2	+0.2/-0.3
1.5H	+0.1/-0.3	+0.1/-0.3
2.0H	+0.3/-0.3	+0.3/-0.3

CIE Pub.117 Corrected 800.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.8)

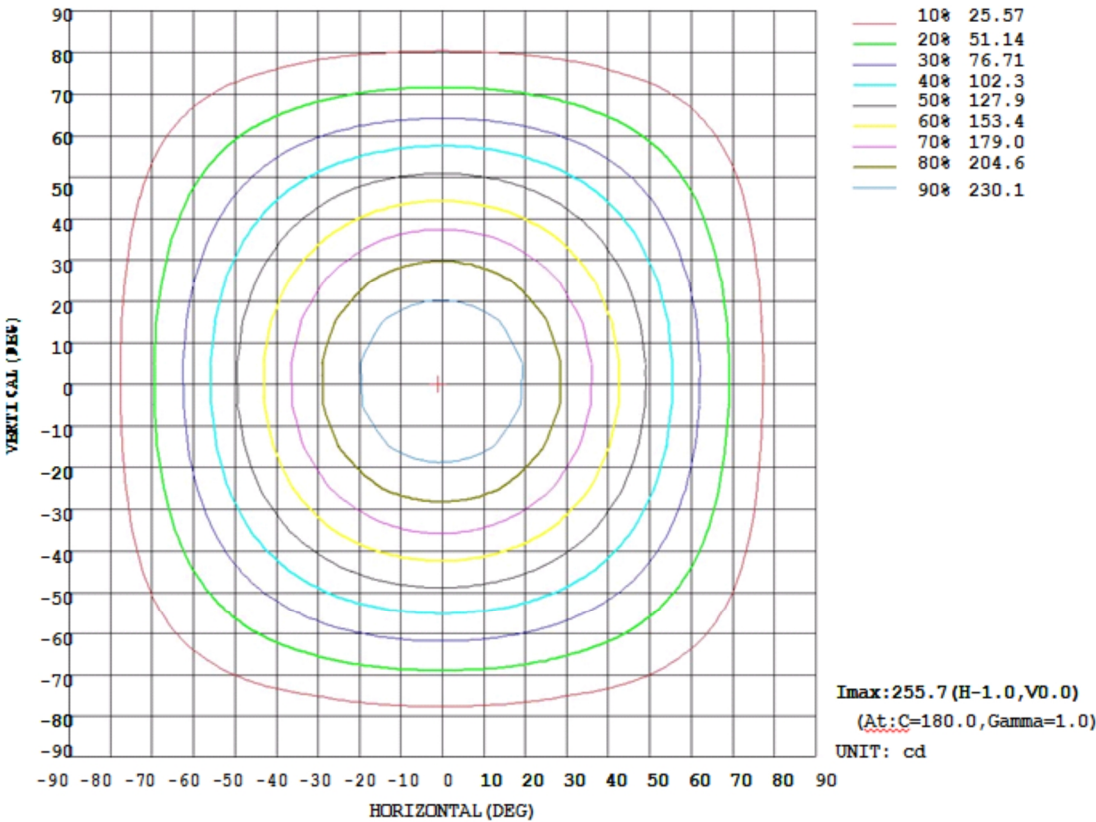
UTILIZATION FACTORS TABLE

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007	TYPE:		
DIM.: 0.145m	SPEC.:		SERIAL No.:1
MFR.: Mazzetti	SUR.:(R)d=0.1m		PROTECTION 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) $k(R) \times RCR = 5$									
k = 0.60	47	38	33	47	38	33	46	38	33	28
0.80	55	46	41	54	46	41	53	45	40	35
1.00	62	53	48	61	53	48	59	54	47	42
1.25	67	59	54	66	59	54	64	58	53	47
1.50	71	63	58	70	63	58	67	61	57	51
2.00	76	70	65	75	69	64	72	67	63	57
2.50	79	73	69	77	72	68	74	70	66	60
3.00	81	76	72	80	75	71	77	73	70	63
4.00	84	80	77	83	79	76	79	76	73	67
5.00	86	83	80	84	81	78	81	78	76	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004 Suspended SHRNOM = 1.25										

ISOCANDELA DIAGRAM

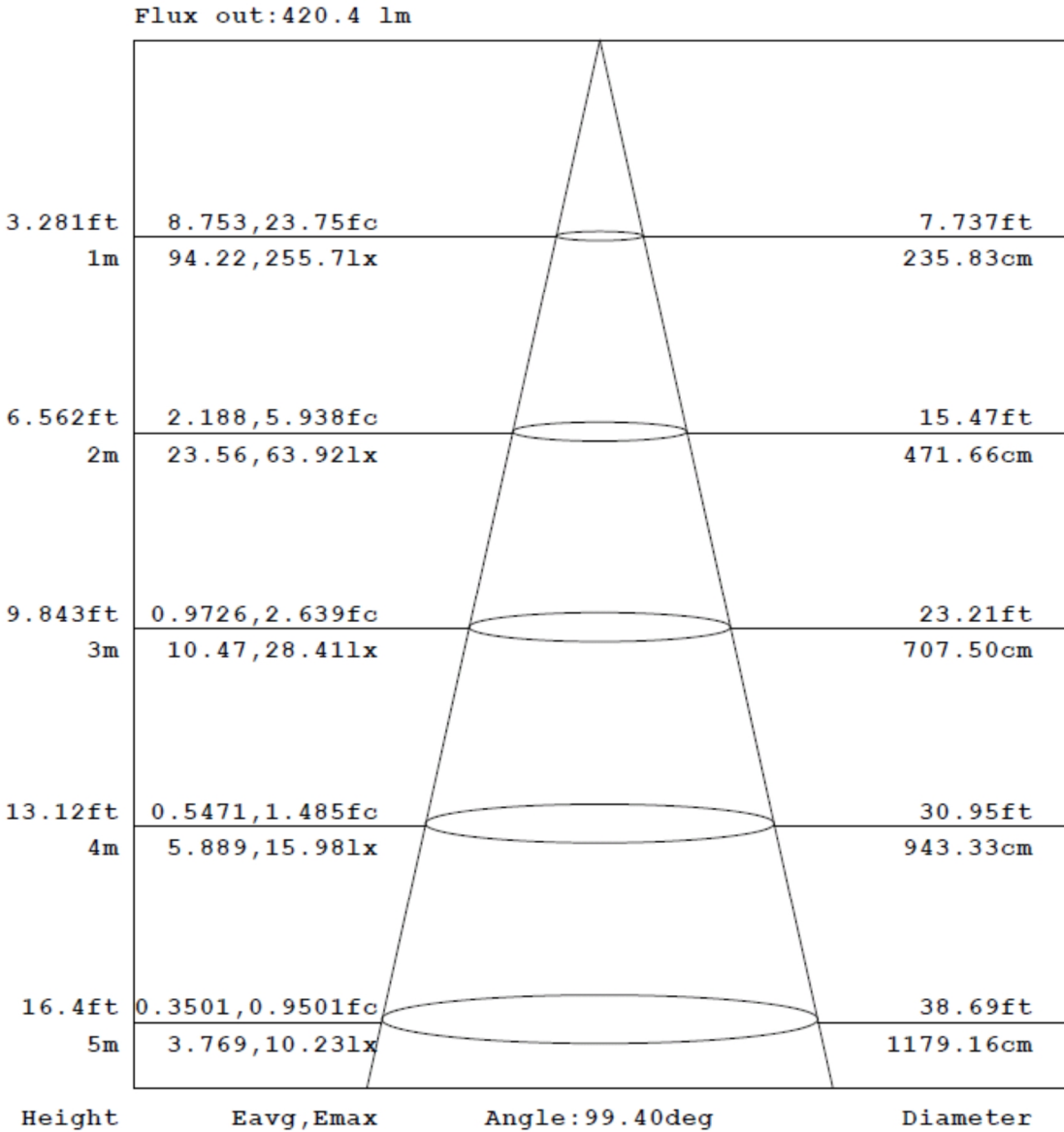
Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007		TYPE:	
DIM.:	0.145m	SPEC.:	SERIAL No.:1
MFR.:	Mazzetti	SUR.:(R)d=0.1m	PROTECTION ANGLE:



AlumLed

AAI Figure

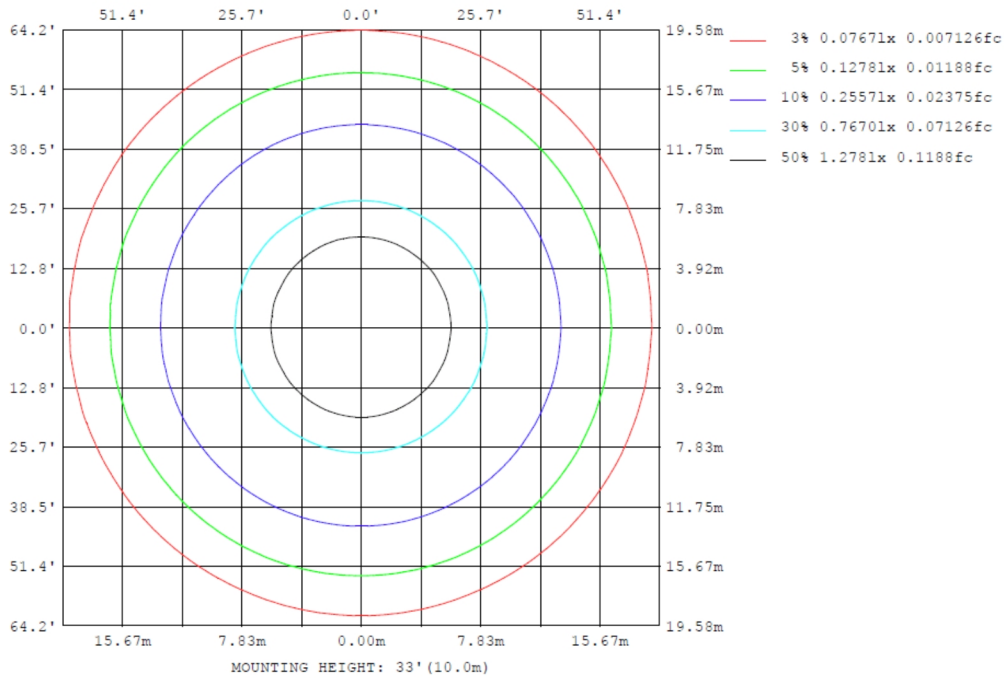
Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007		TYPE:	
DIM.:	0.145m	SPEC.:	SERIAL No.:1
MFR.:	Mazzetti	SUR.:(R)d=0.1m	PROTECTION ANGLE:



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

ISOLUX DIAGRAM

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007		TYPE:	
DIM.:	0.145m	SPEC.:	SERIAL No.:1
MFR.:	Mazzetti	SUR.:(R)d=0.1m	PROTECTION ANGLE:



Average Luminance Table(CIBSE)

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007		TYPE:	
DIM.:	0.145m	SPEC.:	SERIAL No.:1
MFR.:	Mazzetti	SUR.:(R)d=0.1m	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	800	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.008	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	22940226152254622496224962244022431224352245322466225112255022611226592273322809229232306023280																		
60	21377210852101021001208542084520819207742074520736207822086720964210642114921247214582149421740																		
65	19694194911927819195191371907519056190691908019084191191916019176192411940519511196471984220070																		
70	17830175091744017317172211722817128169861688016848169291707517258173921738817629177631796118211																		
75	15782154721538215323151951499115134151941521115219152461526415249151661536515507157801601716222																		
80	13598135131339113090132161307612794124941226812185122631251112837131471332013237135991385514114																		
85	11681121841192711098117861233912784131001327813331132511307712760123041172011001119101228812373																		

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	23280	200	---	500
Category 2	65 to 90	20070	200	---	500
Category 3	75 to 90	16222	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

Average Luminance Table(CIBSE)

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007		TYPE:	
DIM.:	0.145m	SPEC.:	SERIAL No.:1
MFR.:	Mazzetti	SUR.:(R)d=0.1m	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	800	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.008	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

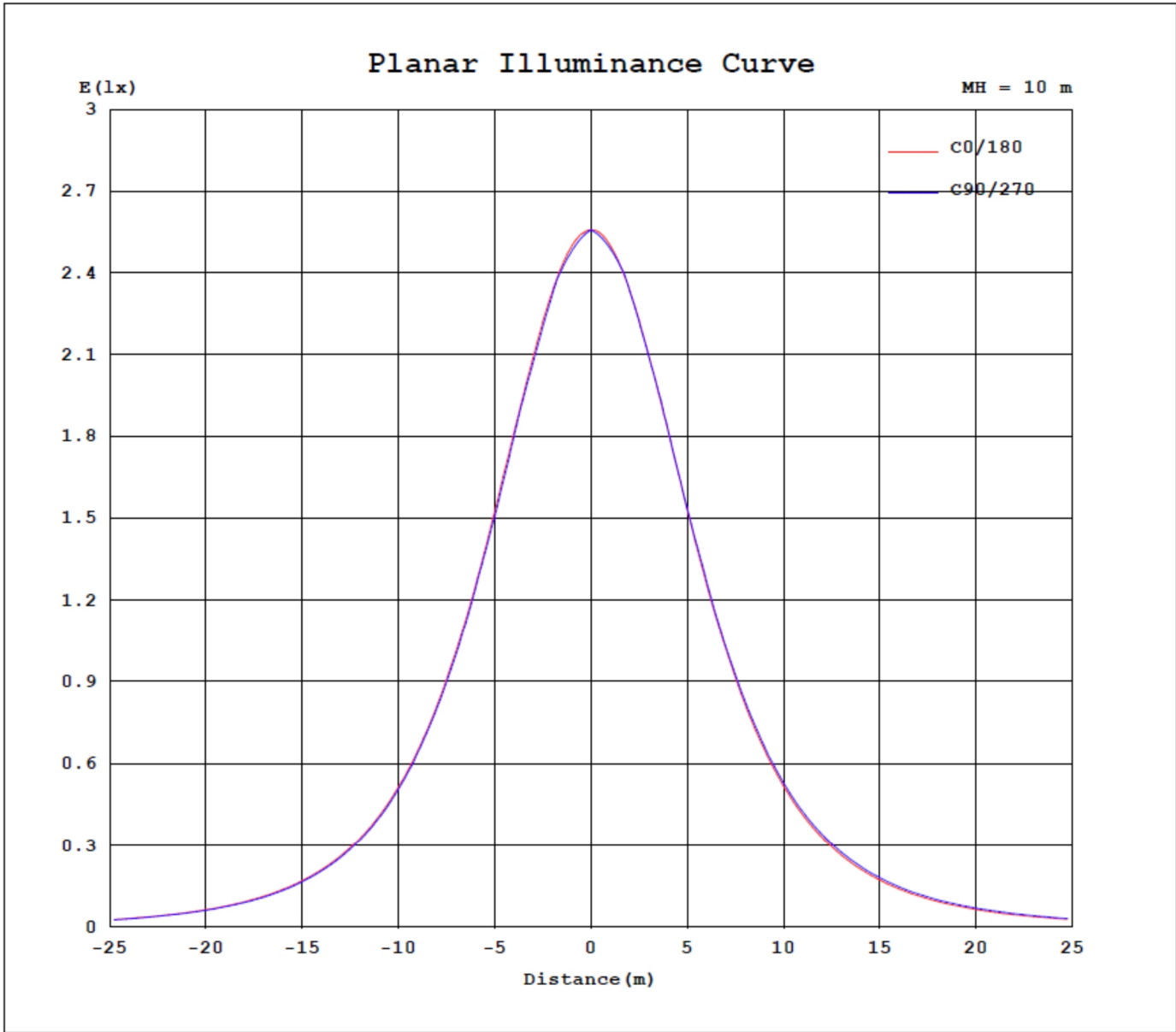
G	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	22940226152254622496224962244022431224352245322466225112255022611226592273322809229232306023280																		
60	21377210852101021001208542084520819207742074520736207822086720964210642114921247214582149421740																		
65	19694194911927819195191371907519056190691908019084191191916019176192411940519511196471984220070																		
70	1783017509174401731717221722817128169861688016848169291707517258173921738817629177631796118211																		
75	15782154721538215323151951499115134151941521115219152461526415249151661536515507157801601716222																		
80	13598135131339113090132161307612794124941226812185122631251112837131471332013237135991385514114																		
85	11681121841192711098117861233912784131001327813331132511307712760123041172011001119101228812373																		

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen	Type I,II screen	Type III screen	Type III screen
		Some neg.s'ware	Only pos.s'ware	Some neg.s'ware	Only pos.s'ware
55 to 90	23280	1000	1500	200	500
65 to 90	20070	1000	1500	200	500

Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.0890A P:9.440W PF:0.4830		Lamp Flux:800x1 lm	
NAME: MZLD-09007		TYPE:	
DIM.: 0.145m		SPEC.:	
MFR.: Mazzetti		SUR.:(R)d=0.1m	
		SERIAL No.:1	
		PROTECTION ANGLE:	

Table--4

UNIT: cd

C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256				
5	253	253	253	253	253	253	253	253	253	253	253	253	253	254	254				
10	250	250	250	249	249	249	249	248	248	248	248	248	248	248	249				
15	242	242	241	242	242	242	242	242	241	241	241	240	240	240	241				
20	233	232	232	232	231	231	231	231	231	231	231	230	230	230	230				
25	219	219	219	219	219	219	219	218	218	218	218	218	217	217	217				
30	205	204	204	204	203	203	203	204	203	202	202	202	202	201	201				
35	187	187	187	187	187	186	186	186	186	186	185	184	185	184	184				
40	169	169	169	168	168	168	168	167	167	167	167	166	165	165	165				
45	150	150	150	149	149	149	148	148	148	147	147	147	146	146	145				
50	131	130	130	130	129	129	129	128	127	127	127	126	126	125	125				
55	111	111	111	110	110	109	109	108	108	107	107	106	106	105	105				
60	91.7	91.5	91.3	91.0	90.6	90.2	89.7	89.1	88.5	88.2	87.3	86.8	86.3	85.8	85.3				
65	73.1	72.9	72.6	72.3	71.9	71.5	71.1	70.6	70.0	69.3	68.9	68.1	67.5	67.5	66.6				
70	54.8	54.7	54.6	54.4	54.2	53.8	53.4	52.9	52.4	51.8	51.2	50.6	49.9	49.3	48.8				
75	39.0	38.8	38.5	38.2	37.7	37.2	36.8	36.6	36.3	35.8	35.2	34.6	34.0	33.3	32.9				
80	23.6	23.6	23.5	23.5	23.4	23.2	22.9	22.6	22.2	21.6	21.3	20.9	20.3	19.7	19.1				
85	13.2	13.0	12.8	12.6	12.3	11.9	11.5	11.1	10.7	10.2	10.1	9.81	9.43	9.09	8.57				
90	3.18	3.14	3.09	3.02	2.95	2.87	2.77	2.68	2.57	2.47	2.37	2.27	2.19	2.11	1.95				