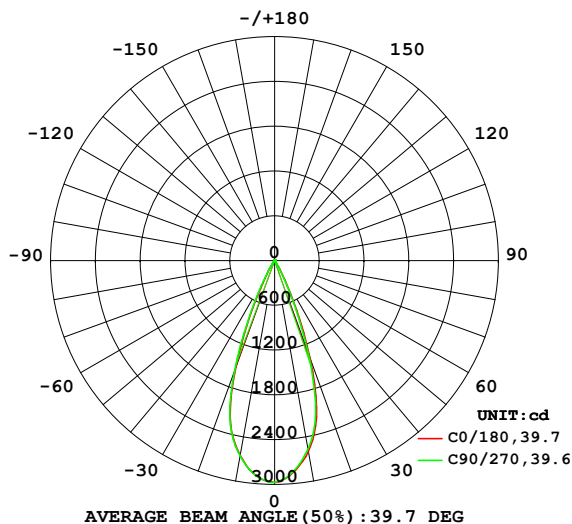


LUMINAIRE PHOTOMETRIC TEST REPORT

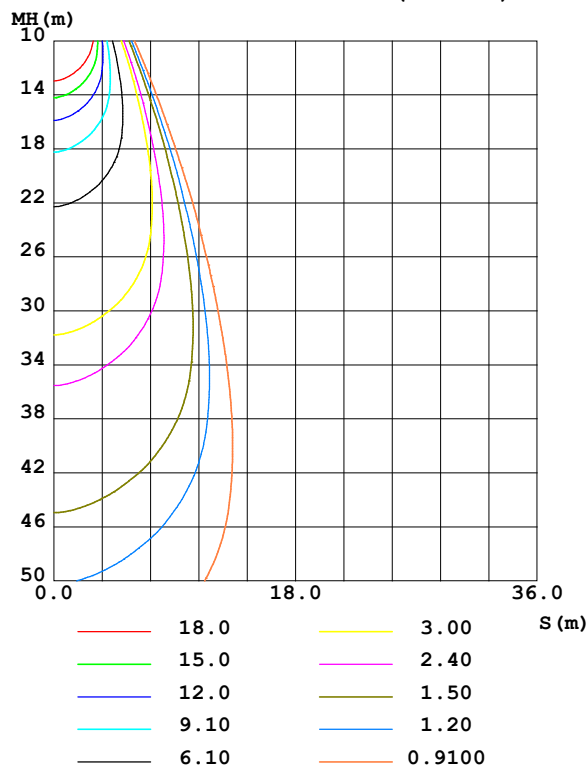
Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.88 lm/W			
MODEL	DL3382 3000K 36D	I _{max} (cd)	2985	S/MH (C0/180)	0.60
NOMINAL POWER (W)	14	LOR (%)	100.0	S/MH (C90/270)	0.62
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1225.8	η UP, DN (C0-180)	0.3, 48.8
NOMINAL FLUX (lm)	1225.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 50.5
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	99.2	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: VJC008
Test Date: 2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [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	2601	2551	2567	2680	2652	2700	2660	2562	0- 10	266.2	266.2	21.7,21.7
20	1397	1252	1321	1550	1519	1625	1574	1334	10- 20	589.9	856.2	69.8,69.8
30	184.4	140.7	160.9	225.2	204.2	252.2	238.4	169.5	20- 30	306.4	1163	94.8,94.8
40	19.99	17.00	18.18	24.21	20.89	26.00	23.47	17.76	30- 40	44.75	1207	98.5,98.5
50	3.985	2.763	3.487	4.470	3.577	4.681	4.161	3.507	40- 50	7.230	1215	99.1,99.1
60	0.5761	0.5199	0.5389	0.7070	0.5921	0.5977	0.6058	0.5047	50- 60	1.413	1216	99.2,99.2
70	0.1519	0.1154	0.1279	0.1664	0.1447	0.1736	0.1685	0.1244	60- 70	0.3239	1216	99.2,99.2
80	0.0446	0.0294	0.0320	0.0485	0.0356	0.0451	0.0410	0.0253	70- 80	0.0821	1216	99.2,99.2
90	0.0067	0.0023	0.0068	0.0046	0	0	0	0	80- 90	0.0183	1216	99.2,99.2
100	0.0289	0.0315	0.0273	0.0230	0.0112	0.0090	0.0114	0.0116	90-100	0.0109	1216	99.2,99.2
110	0.0892	0.0926	0.0912	0.0830	0.0424	0.0361	0.0388	0.0416	100-110	0.0433	1216	99.2,99.2
120	0.1582	0.1669	0.1595	0.1429	0.2146	0.1788	0.1966	0.2566	110-120	0.1074	1217	99.2,99.2
130	0.5476	0.6019	0.5715	0.4583	1.159	1.045	1.101	1.326	120-130	0.3982	1217	99.3,99.3
140	1.940	2.071	1.977	1.710	3.134	2.972	3.048	3.401	130-140	1.236	1218	99.4,99.4
150	4.114	4.279	4.174	3.839	5.609	5.418	5.504	5.835	140-150	2.277	1220	99.6,99.6
160	5.943	6.062	6.079	5.842	7.346	7.292	7.340	7.385	150-160	2.684	1223	99.8,99.8
170	6.644	6.731	6.821	6.835	7.296	7.359	7.353	7.265	160-170	1.962	1225	99.9,99.9
180	7.158	7.307	7.244	7.336	7.213	7.330	7.269	7.355	170-180	0.6782	1226	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1212.3 lm

%lum = 98.9%

%lamp = 98.9%

Conical surface Flux(130deg): 1216.2 lm

%lum = 99.2%

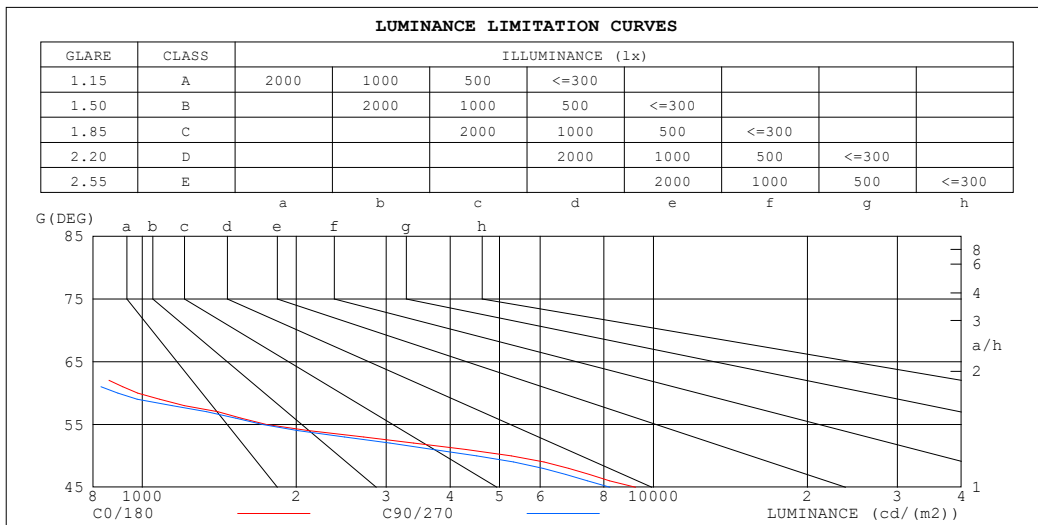
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:VJC008
 Test Date:2023-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:7.580m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:



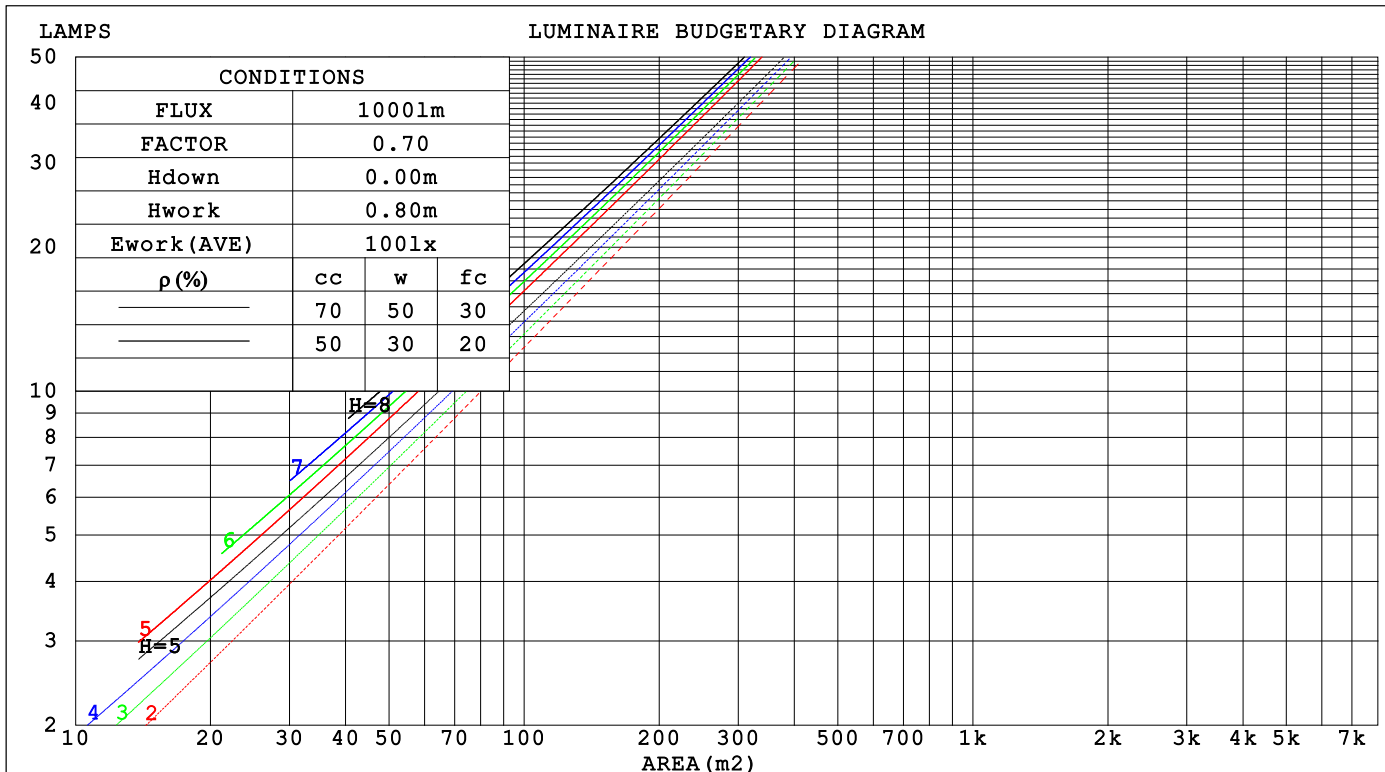
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: VJC008
Test Date: 2023-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

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	1.01	1.01	1.01	.99
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.99	.99	.98	.97	.95
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.98	.96	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.99	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.87
4.0	.97	.92	.89	.95	.91	.88	.93	.90	.87	.91	.89	.86	.90	.87	.85	.84
5.0	.92	.88	.84	.91	.87	.84	.90	.86	.83	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.83	.80	.86	.83	.80	.85	.82	.79	.84	.81	.79	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.79	.76	.81	.78	.76	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.77	.73	.71	.77	.73	.70	.76	.73	.70	.69
10.0	.76	.71	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.68	.67



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: VJC Lighting			SUR.: 40			Shielding Angle:		

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	.147	.084	.027	.140	.080	.025	.127	.073	.023	.116	.067	.021	.105	.061	.020		
2.0	.137	.075	.023	.132	.073	.022	.121	.067	.021	.111	.062	.020	.102	.058	.018		
3.0	.129	.069	.021	.124	.067	.020	.115	.062	.019	.107	.059	.018	.099	.055	.017		
4.0	.122	.063	.019	.118	.062	.018	.110	.058	.017	.103	.055	.017	.096	.052	.016		
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.093	.050	.015		
6.0	.110	.055	.016	.107	.054	.016	.101	.052	.015	.096	.050	.015	.091	.048	.014		
7.0	.105	.052	.015	.102	.051	.015	.097	.049	.014	.092	.047	.014	.088	.046	.013		
8.0	.100	.049	.014	.098	.048	.014	.093	.047	.013	.089	.045	.013	.085	.044	.013		
9.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.086	.043	.012	.083	.042	.012		
10.0	.093	.044	.012	.091	.044	.012	.087	.043	.012	.084	.042	.012	.080	.040	.012		

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	.196	.196	.196	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.175	.163	.153	.150	.140	.132	.102	.097	.091	.059	.056	.053	.019	.018	.017	
2.0	.158	.139	.123	.135	.119	.106	.093	.083	.074	.053	.048	.043	.017	.016	.014	
3.0	.143	.119	.100	.123	.103	.087	.084	.072	.061	.049	.042	.036	.016	.014	.012	
4.0	.131	.104	.083	.113	.090	.072	.078	.063	.051	.045	.037	.030	.014	.012	.010	
5.0	.122	.092	.070	.104	.080	.061	.072	.056	.043	.042	.033	.026	.013	.011	.008	
6.0	.113	.082	.060	.097	.071	.052	.067	.050	.037	.039	.029	.022	.013	.010	.007	
7.0	.106	.074	.052	.091	.064	.045	.063	.045	.032	.037	.027	.019	.012	.009	.006	
8.0	.100	.068	.046	.086	.059	.040	.059	.041	.028	.035	.024	.017	.011	.008	.006	
9.0	.094	.062	.040	.081	.054	.035	.056	.038	.025	.033	.022	.015	.011	.007	.005	
10.0	.090	.058	.036	.077	.050	.032	.054	.035	.022	.031	.021	.013	.010	.007	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm											
NAME: DL3382 3000K 36D						TYPE:			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: VJC Lighting						SUR.: 40			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	2H	10.1	10.8	10.3	11.0	11.1	9.4	10.2	9.6	10.3	10.5
	3H	9.9	10.6	10.2	10.8	11.0	9.3	9.9	9.5	10.1	10.3
	4H	9.8	10.5	10.1	10.7	10.9	9.2	9.8	9.5	10.0	10.3
	6H	9.7	10.3	10.0	10.6	10.8	9.1	9.7	9.4	9.9	10.2
	8H	9.7	10.3	10.0	10.5	10.8	9.1	9.6	9.4	9.9	10.2
	12H	9.7	10.2	10.0	10.5	10.8	9.0	9.6	9.3	9.8	10.1
4H	2H	9.8	10.5	10.1	10.7	10.9	9.2	9.8	9.5	10.1	10.3
	3H	9.7	10.2	10.0	10.5	10.8	9.0	9.6	9.3	9.8	10.1
	4H	9.6	10.1	9.9	10.4	10.7	8.9	9.4	9.3	9.7	10.0
	6H	9.5	9.9	9.8	10.2	10.6	8.8	9.3	9.2	9.6	10.0
	8H	9.4	9.8	9.8	10.2	10.6	8.8	9.2	9.2	9.5	9.9
	12H	9.4	9.7	9.8	10.1	10.5	8.7	9.1	9.1	9.5	9.9
8H	4H	9.4	9.8	9.8	10.2	10.6	8.8	9.2	9.2	9.5	9.9
	6H	9.3	9.6	9.7	10.0	10.5	8.7	9.0	9.1	9.4	9.8
	8H	9.2	9.5	9.7	10.0	10.4	8.6	8.9	9.0	9.3	9.8
	12H	9.2	9.4	9.6	9.9	10.4	8.5	8.8	9.0	9.2	9.7
12H	4H	9.4	9.7	9.8	10.1	10.5	8.7	9.1	9.1	9.5	9.9
	6H	9.2	9.5	9.7	10.0	10.4	8.6	8.9	9.0	9.3	9.8
	8H	9.2	9.4	9.6	9.9	10.4	8.5	8.8	9.0	9.2	9.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 4.0 / -13.5					+ 4.0 / -13.3				
1.5H		+ 6.3 / -11.3					+ 6.2 / -10.9				
2.0H		+ 6.3 / - 9.4					+ 6.2 / - 9.3				

CIE Pub.117, 1226 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)
Area: 0.0012 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

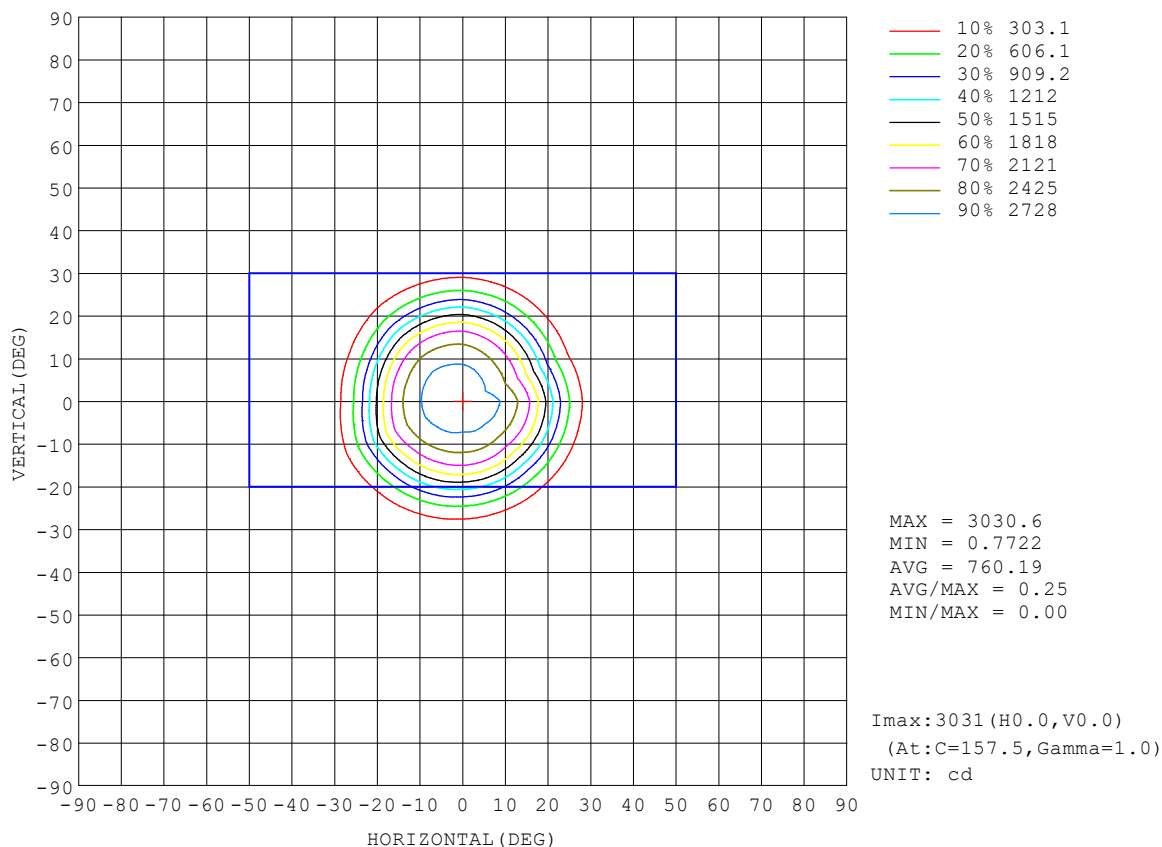
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	81	89	84	81	78
0.80	98	92	89	97	92	89	96	91	89	85
1.00	101	96	93	101	96	93	99	95	92	89
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	98
5.00	115	113	112	113	112	110	109	108	107	99
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: HIGH
Temperature: 25.3 °C
Operators: VJC008
Test Date: 2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

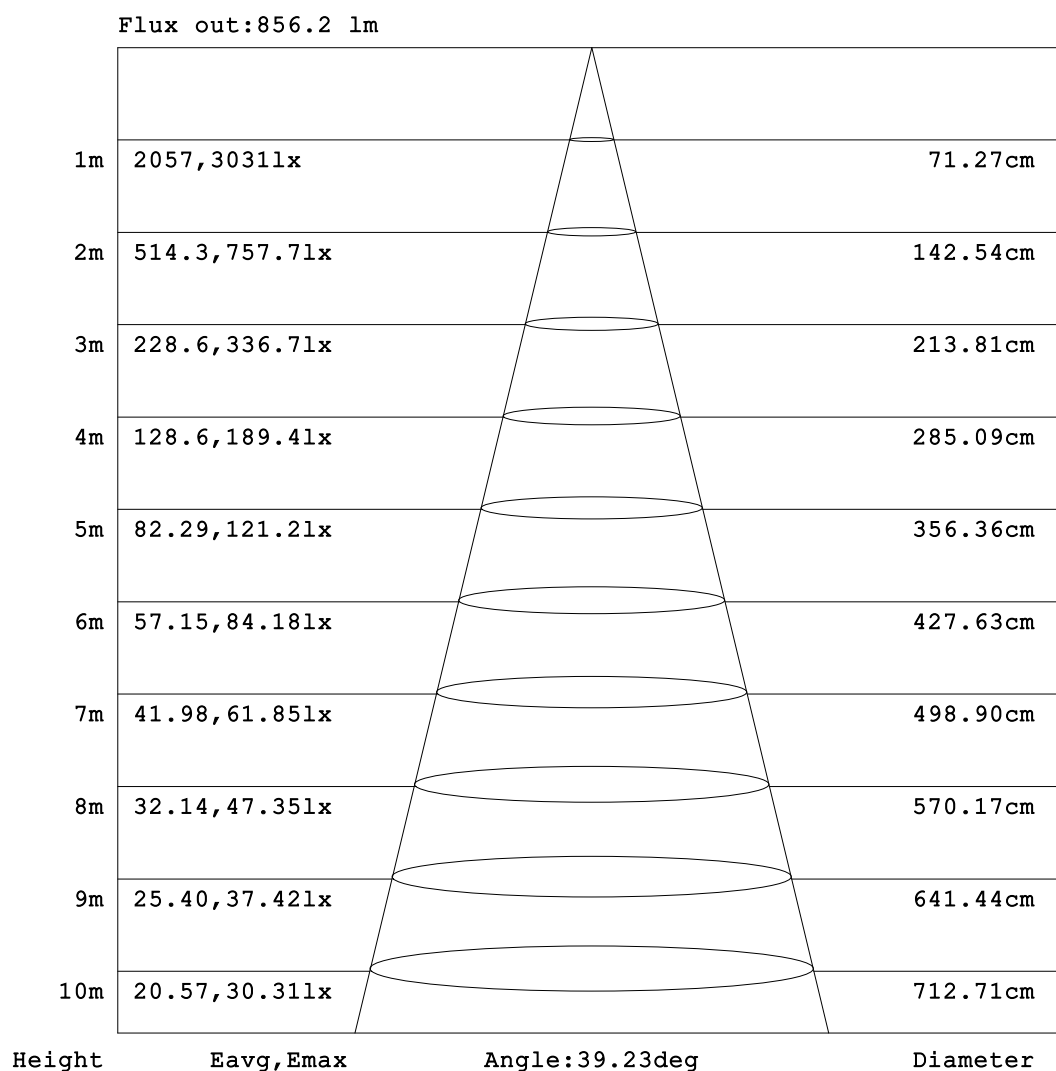


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: VJC008
Test Date: 2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:



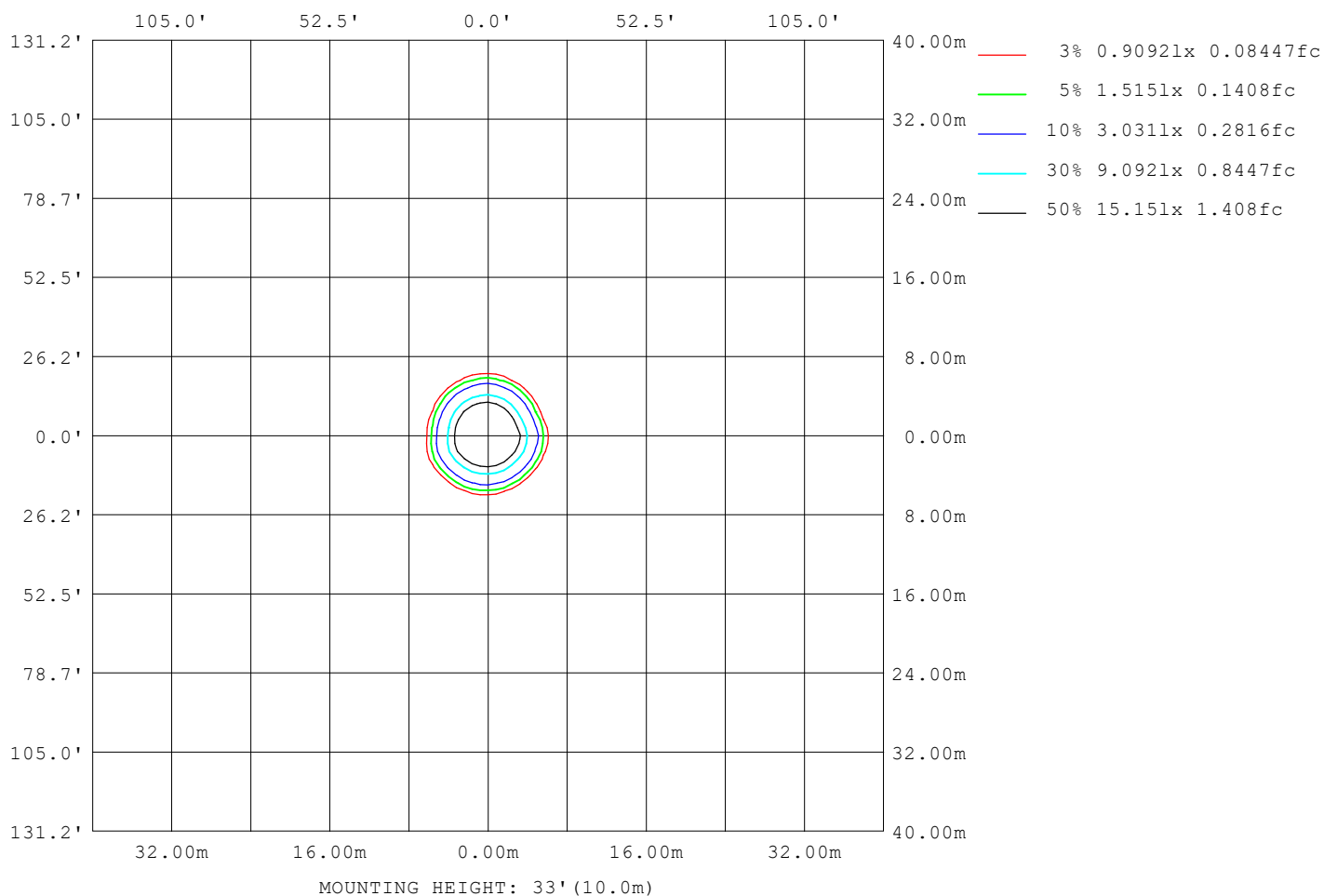
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3℃
 Operators: VJC008
 Test Date: 2023-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 7.580m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: VJC008
Test Date: 2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm		
NAME: DL3382 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

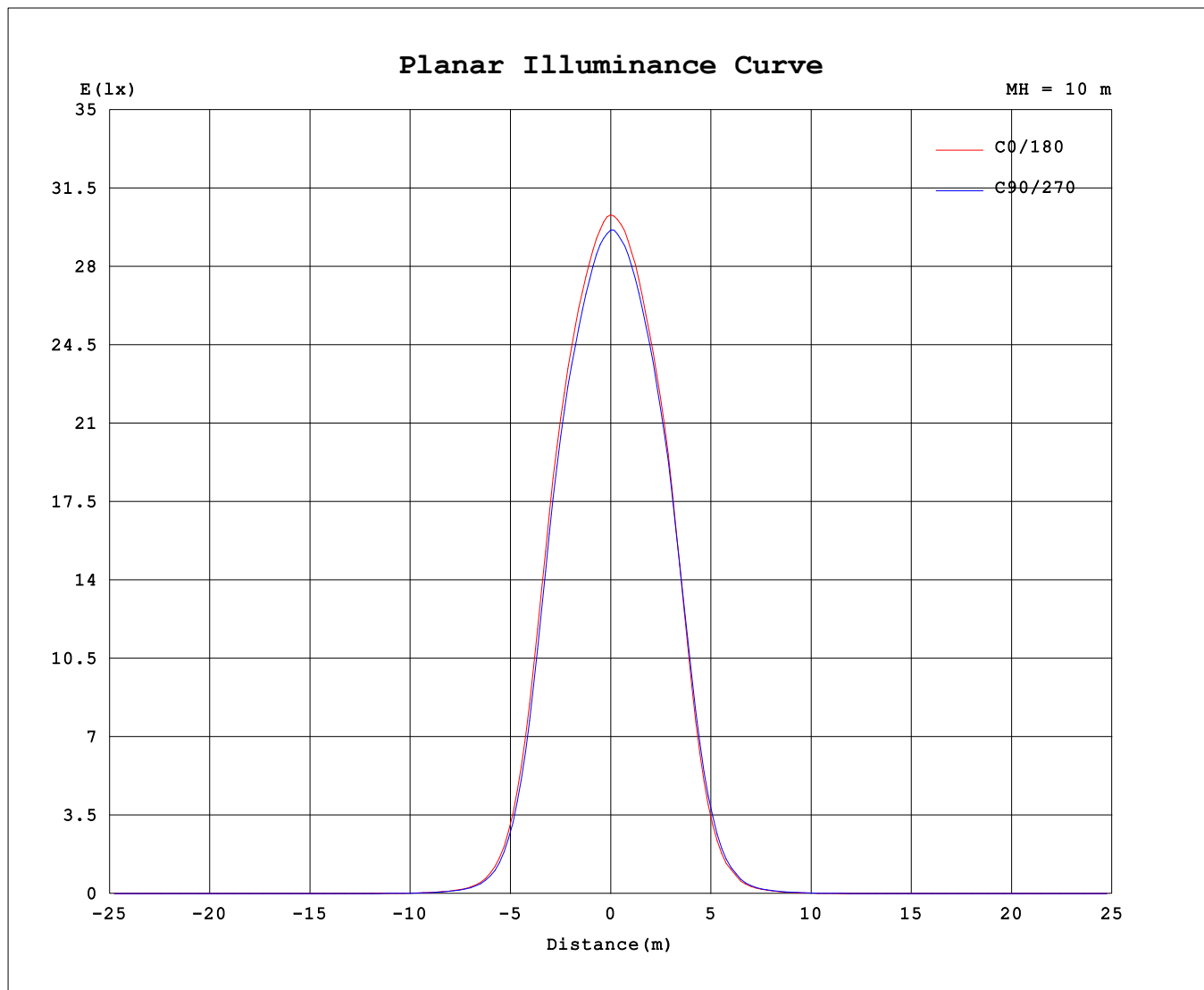
AvgL	cd/m2
L_0~180 (65) av	629
L_0~180 (75) av	240
L_0~180 (85) av	149
L_90~270 (65) av	621
L_90~270 (75) av	231
L_90~270 (85) av	174
L_45 (65) av	610
L_45 (75) av	228
L_45 (85) av	131

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: VJC008
Test Date: 2023-07-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.60V I:0.0719A P:14.790W PF:0.9325 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1225.8x1 lm																	
NAME: DL3382 3000K 36D									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: VJC Lighting									SUR.: 40						Shielding Angle:		

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	2971	2971	2971	2971	2971	2971	2971	2971	2971	2971	2971	2971	2971	2971	2971	2971			
5	2851	2849	2829	2838	2842	2871	2908	2944	2889	2901	2912	2900	2893	2865	2843	2811			
10	2601	2574	2551	2569	2567	2625	2680	2748	2652	2679	2700	2676	2660	2622	2562	2528			
15	2172	2138	2060	2093	2127	2185	2270	2391	2285	2287	2324	2302	2288	2208	2113	2019			
20	1397	1353	1252	1283	1321	1432	1550	1731	1519	1553	1625	1593	1574	1468	1334	1191			
25	607	558	495	512	554	617	694	833	661	683	758	734	734	662	557	467			
30	184	162	141	153	161	192	225	279	204	214	252	244	238	207	169	137			
35	52.4	48.1	43.4	45.7	48.3	56.8	68.6	79.4	57.9	63.0	73.0	71.8	66.5	56.7	48.5	40.8			
40	20.0	19.1	17.0	17.5	18.2	21.0	24.2	27.8	20.9	22.5	26.0	25.6	23.5	19.9	17.8	15.7			
45	7.67	7.59	6.38	6.75	6.99	7.81	8.86	10.02	7.31	8.20	9.68	9.50	8.71	7.08	6.91	6.71			
50	3.98	3.78	2.76	3.27	3.49	3.99	4.47	4.52	3.58	4.06	4.68	4.66	4.16	3.45	3.51	3.01			
55	1.18	1.17	1.07	1.10	1.19	1.32	1.56	1.62	1.21	1.29	1.50	1.49	1.44	1.17	1.03	0.94			
60	0.58	0.53	0.52	0.50	0.54	0.55	0.71	0.75	0.59	0.62	0.60	0.61	0.61	0.57	0.50	0.50			
65	0.32	0.28	0.26	0.24	0.28	0.28	0.35	0.38	0.31	0.35	0.35	0.38	0.35	0.34	0.28	0.27			
70	0.15	0.11	0.12	0.09	0.13	0.12	0.17	0.17	0.14	0.18	0.17	0.20	0.17	0.17	0.12	0.13			
75	0.08	0.04	0.06	0.03	0.06	0.04	0.09	0.08	0.07	0.10	0.08	0.11	0.08	0.10	0.06	0.07			
80	0.04	0.01	0.03	0.00	0.03	0.02	0.05	0.04	0.04	0.06	0.05	0.07	0.04	0.06	0.03	0.03			
85	0.02	0.00	0.01	0.00	0.01	0.00	0.02	0.01	0.01	0.04	0.02	0.05	0.02	0.04	0.00	0.00			
90	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.01	0.02	0.00	0.03	0.01	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.03	0.05	0.03	0.06	0.03	0.05	0.02	0.04	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00			
105	0.06	0.09	0.07	0.09	0.06	0.08	0.05	0.07	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00			
110	0.09	0.12	0.09	0.12	0.09	0.11	0.08	0.10	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.03			
115	0.12	0.14	0.12	0.15	0.12	0.14	0.11	0.13	0.08	0.05	0.07	0.05	0.08	0.06	0.10	0.09			
120	0.16	0.19	0.17	0.19	0.16	0.18	0.14	0.17	0.21	0.17	0.18	0.16	0.20	0.20	0.26	0.29			
125	0.26	0.29	0.29	0.31	0.28	0.28	0.23	0.23	0.55	0.50	0.48	0.47	0.51	0.55	0.65	0.73			
130	0.55	0.58	0.60	0.61	0.57	0.54	0.46	0.43	1.16	1.11	1.05	1.06	1.10	1.19	1.33	1.47			
135	1.11	1.15	1.20	1.19	1.14	1.06	0.94	0.86	2.04	1.98	1.90	1.92	1.96	2.10	2.27	2.46			
140	1.94	1.99	2.07	2.03	1.98	1.86	1.71	1.59	3.13	3.06	2.97	2.99	3.05	3.20	3.40	3.62			
145	2.98	3.04	3.13	3.09	3.02	2.88	2.71	2.56	4.37	4.29	4.18	4.20	4.26	4.44	4.64	4.86			
150	4.11	4.17	4.28	4.24	4.17	4.02	3.84	3.68	5.61	5.52	5.42	5.44	5.50	5.65	5.83	6.02			
155	5.17	5.23	5.32	5.32	5.27	5.13	4.95	4.83	6.68	6.59	6.54	6.55	6.61	6.69	6.82	6.92			
160	5.94	6.01	6.06	6.12	6.08	6.00	5.84	5.77	7.35	7.28	7.29	7.30	7.34	7.34	7.39	7.38			
165	6.40	6.45	6.49	6.60	6.57	6.55	6.46	6.43	7.47	7.46	7.49	7.52	7.55	7.50	7.43	7.42			
170	6.64	6.70	6.73	6.84	6.82	6.84	6.84	6.85	7.30	7.36	7.36	7.34	7.35	7.33	7.26	7.24			
175	6.88	6.95	7.00	7.04	6.98	7.06	7.12	7.13	7.21	7.28	7.34	7.23	7.24	7.25	7.29	7.17			
180	7.16	7.24	7.31	7.26	7.24	7.27	7.34	7.28	7.21	7.23	7.33	7.24	7.27	7.26	7.35	7.25			

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