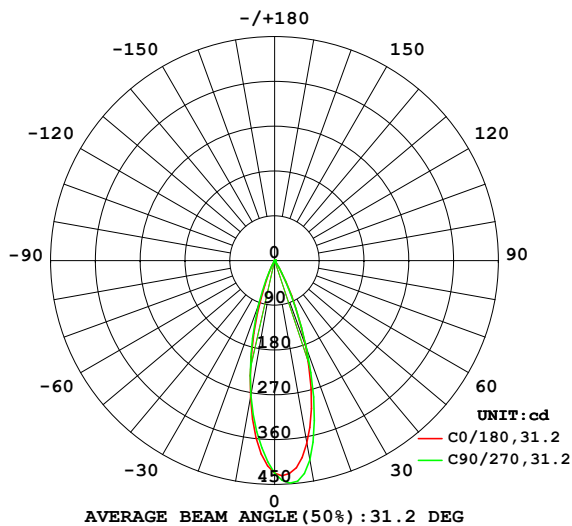


LUMINAIRE PHOTOMETRIC TEST REPORT

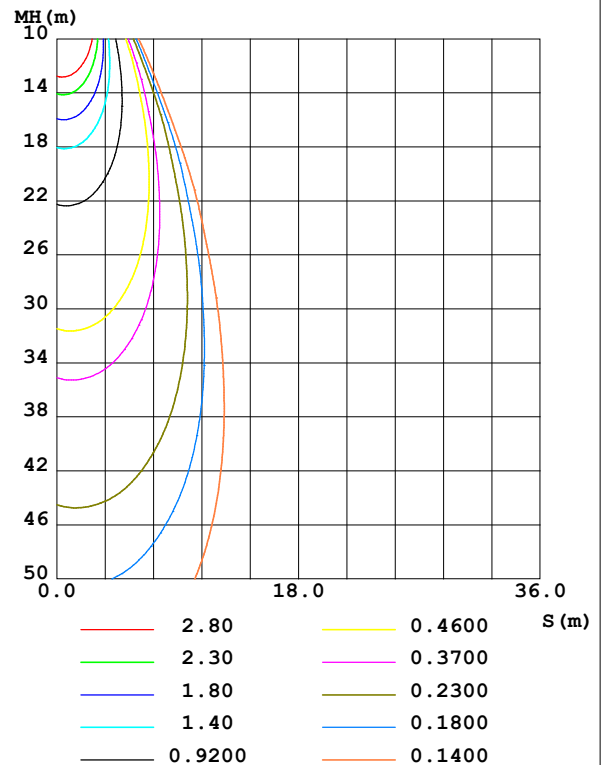
Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 35.47 lm/W			
MODEL	DL3869 2700K RA97 36D	I _{max} (cd)	456.5	S/MH(C0/180)	0.44
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	136.53	η UP,DN(C0-180)	0.4,61.3
NOMINAL FLUX(lm)	136.533	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,37.8
LAMPS INSIDE	1	η up (%)	0.9	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down (%)	99.1	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: 001
Test Date: 2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 8.370m [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	373.8	399.6	407.3	364.7	279.4	275.5	275.7	301.6	0- 10	36.35	36.35	26.6,26.6
20	182.6	193.5	188.9	145.7	80.68	87.62	94.32	117.0	10- 20	64.69	101.0	74,74
30	30.76	31.95	28.84	17.43	6.085	6.390	7.003	10.08	20- 30	29.42	130.5	95.6,95.6
40	1.851	2.212	2.464	1.738	1.037	0.8852	0.9117	1.101	30- 40	3.772	134.2	98.3,98.3
50	0.5312	0.5873	0.9220	0.6183	0.2130	0.2086	0.3914	0.4283	40- 50	0.6775	134.9	98.8,98.8
60	0.2446	0.2776	0.5438	0.3550	0.0207	0.0158	0.1789	0.1946	50- 60	0.3199	135.2	99,99
70	0.0317	0.0001	0.0752	0.0002	0	0	0	0	60- 70	0.1134	135.3	99.1,99.1
80	0	0	0	0	0	0	0	0	70- 80	0.0027	135.3	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	0	135.3	99.1,99.1
100	0	0	0	0	0	0	0	0	90-100	0	135.3	99.1,99.1
110	0	0	0	0	0	0	0	0	100-110	0	135.3	99.1,99.1
120	0	0	0	0	0.0001	0.0054	0.0001	0.0000	110-120	0.0000	135.3	99.1,99.1
130	0.0258	0.0342	0.0412	0.0796	0.1563	0.1667	0.1741	0.1422	120-130	0.0319	135.4	99.2,99.2
140	0.2493	0.2638	0.2810	0.3544	0.4399	0.4521	0.4776	0.4498	130-140	0.1767	135.6	99.3,99.3
150	0.5484	0.5650	0.6011	0.7032	0.7336	0.7425	0.7672	0.7748	140-150	0.3324	135.9	99.5,99.5
160	0.7489	0.7607	0.8082	0.8779	0.7930	0.7976	0.8330	0.8661	150-160	0.3581	136.2	99.8,99.8
170	0.7075	0.7239	0.7533	0.8013	0.6318	0.6259	0.6260	0.6945	160-170	0.2224	136.5	100,100
180	0.5929	0.6128	0.6152	0.6711	0.5903	0.5996	0.5986	0.6592	170-180	0.0627	136.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 134.72 lm

%lum = 98.7%

%lamp = 98.7%

Conical surface Flux(130deg): 135.32 lm

%lum = 99.1%

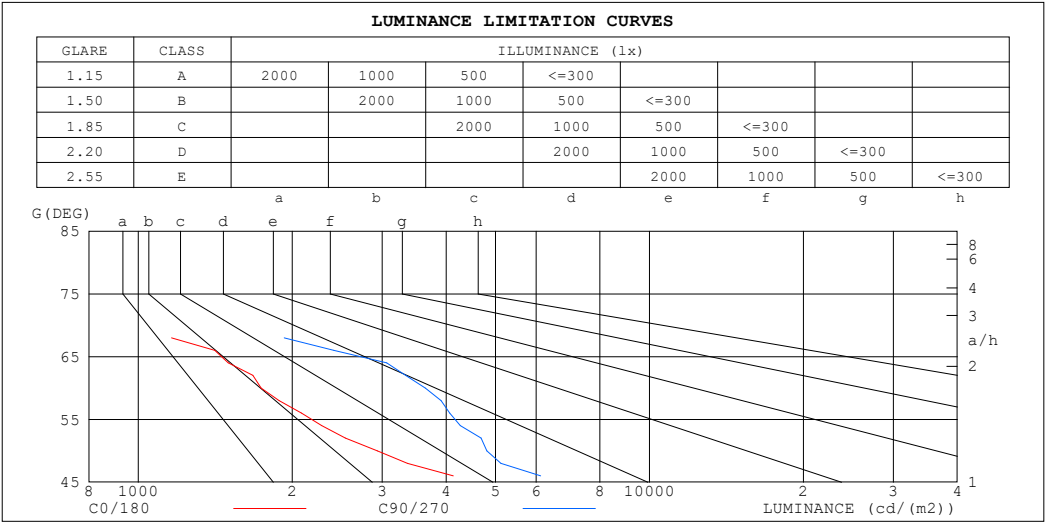
%lamp = 99.1%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-11-01

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:



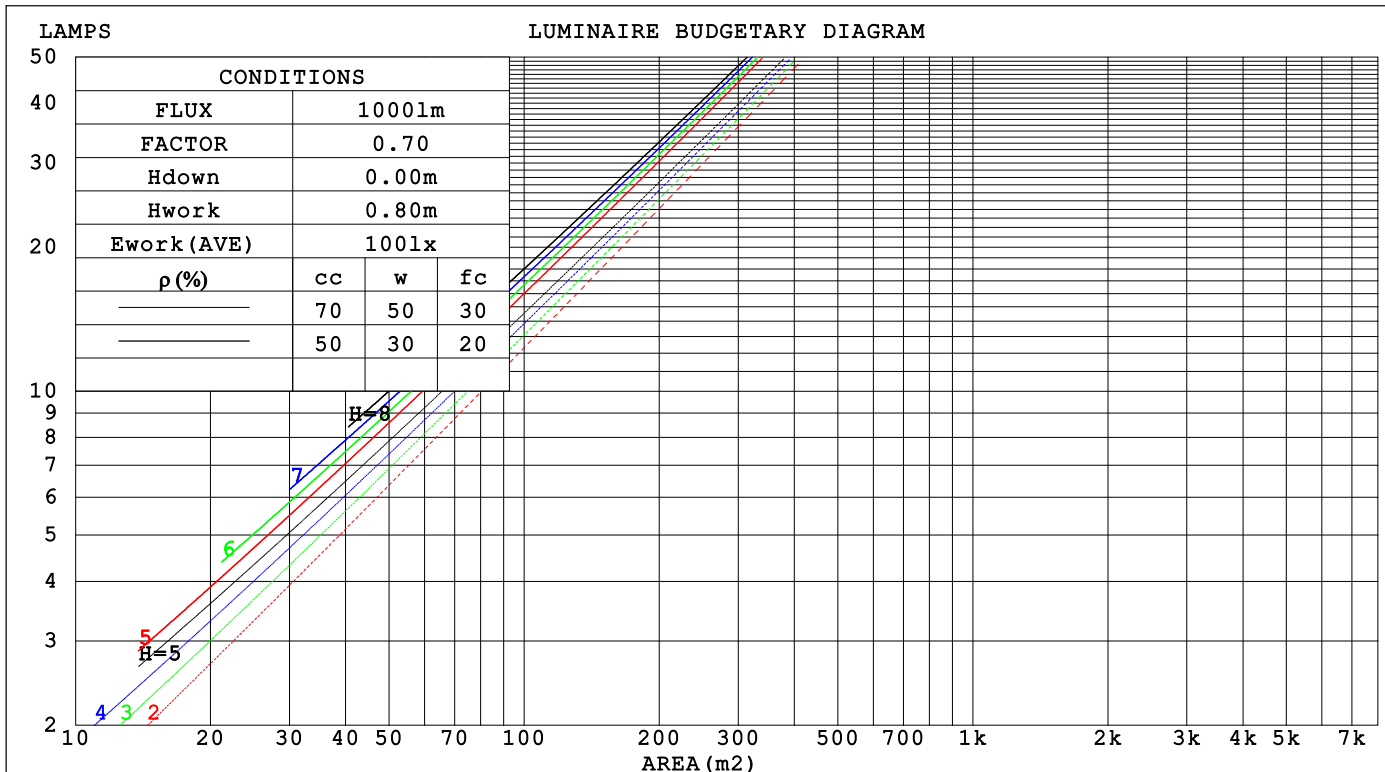
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	329	737
65	1555	3175
60	1739	3645
55	2339	4371
50	2937	4806
45	5590	8232

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 2.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Temperature:25.3℃	Humidity:65.0%
Operators:001	Test Distance:8.370m [K=1.0000]
Test Date:2024-11-01	Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{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	1.01	1.01	1.01	.99
1.0	1.12	1.10	1.09	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.95
2.0	1.07	1.04	1.01	1.05	1.02	.00	1.02	.99	.98	.99	.97	.95	.96	.95	.93	.92
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.93	.95	.93	.91	.93	.91	.90	.88
4.0	.97	.93	.90	.96	.93	.90	.94	.91	.88	.92	.90	.87	.90	.88	.86	.85
5.0	.94	.89	.86	.93	.89	.86	.91	.87	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.90	.85	.82	.89	.85	.82	.88	.84	.81	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.78	.76
8.0	.84	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.76	.73	.80	.76	.73	.79	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.78	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.76	.72	.70	.69



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: VJC Lighting			SUR.: 20			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	.143	.081	.026	.136	.078	.025	.123	.071	.023	.111	.064	.021	.100	.058	.019		
2.0	.133	.073	.022	.127	.070	.022	.117	.065	.020	.107	.060	.019	.098	.055	.017		
3.0	.125	.066	.020	.120	.064	.019	.111	.060	.018	.102	.056	.017	.095	.052	.016		
4.0	.117	.061	.018	.113	.059	.018	.106	.056	.017	.098	.053	.016	.092	.050	.015		
5.0	.111	.056	.016	.107	.055	.016	.101	.052	.015	.095	.050	.015	.089	.048	.014		
6.0	.105	.053	.015	.102	.052	.015	.097	.049	.014	.091	.047	.014	.086	.045	.013		
7.0	.100	.050	.014	.098	.049	.014	.093	.047	.013	.088	.045	.013	.084	.043	.013		
8.0	.096	.047	.013	.094	.046	.013	.089	.045	.013	.085	.043	.012	.081	.042	.012		
9.0	.092	.044	.012	.090	.044	.012	.086	.042	.012	.082	.041	.012	.079	.040	.012		
10.0	.088	.042	.012	.086	.042	.012	.083	.041	.011	.079	.039	.011	.076	.038	.011		

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	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021		
1.0	.175	.164	.154	.150	.141	.133	.103	.097	.092	.059	.056	.053	.019	.018	.017		
2.0	.158	.139	.124	.135	.120	.107	.093	.083	.075	.053	.048	.044	.017	.016	.014		
3.0	.143	.120	.102	.123	.104	.088	.084	.072	.062	.049	.042	.036	.016	.014	.012		
4.0	.131	.105	.085	.113	.091	.074	.077	.063	.052	.045	.037	.031	.014	.012	.010		
5.0	.121	.093	.072	.104	.080	.062	.072	.056	.044	.041	.033	.026	.013	.011	.009		
6.0	.112	.083	.062	.097	.072	.054	.067	.050	.038	.039	.030	.023	.012	.010	.007		
7.0	.105	.075	.053	.090	.065	.047	.062	.045	.033	.036	.027	.020	.012	.009	.007		
8.0	.099	.068	.047	.085	.059	.041	.059	.041	.029	.034	.024	.017	.011	.008	.006		
9.0	.093	.063	.042	.080	.054	.036	.056	.038	.026	.032	.023	.015	.011	.007	.005		
10.0	.089	.058	.037	.076	.050	.033	.053	.035	.023	.031	.021	.014	.010	.007	.005		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm										
NAME: DL3869 2700K RA97 36D						TYPE:		WEIGHT:		
SPEC.:						DIM.:		SERIAL No.:		
MFR.: VJC Lighting						SUR.: 20		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	17.1	17.7	17.3	17.9	18.1	18.2	18.9	18.4	19.0	19.2
3H	17.0	17.6	17.2	17.8	18.0	18.1	18.7	18.3	18.9	19.1
4H	16.9	17.5	17.2	17.7	17.9	18.0	18.6	18.3	18.8	19.1
6H	16.8	17.4	17.1	17.6	17.9	17.9	18.5	18.2	18.7	19.0
8H	16.8	17.3	17.1	17.6	17.8	17.9	18.4	18.2	18.7	19.0
12H	16.7	17.2	17.0	17.5	17.8	17.8	18.4	18.2	18.6	18.9
4H 2H	16.9	17.5	17.1	17.7	17.9	18.0	18.6	18.3	18.8	19.0
3H	16.8	17.3	17.1	17.6	17.9	17.9	18.4	18.2	18.7	19.0
4H	16.7	17.2	17.0	17.5	17.8	17.8	18.2	18.1	18.6	18.9
6H	16.6	17.0	17.0	17.3	17.7	17.7	18.1	18.0	18.4	18.8
8H	16.5	16.9	16.9	17.3	17.7	17.6	18.0	18.0	18.4	18.7
12H	16.5	16.8	16.9	17.2	17.6	17.5	17.9	18.0	18.3	18.7
8H 4H	16.5	16.9	16.9	17.3	17.7	17.6	18.0	18.0	18.4	18.7
6H	16.4	16.7	16.8	17.1	17.6	17.5	17.8	17.9	18.2	18.7
8H	16.3	16.6	16.8	17.1	17.5	17.4	17.7	17.9	18.2	18.6
12H	16.3	16.5	16.8	17.0	17.5	17.4	17.6	17.8	18.1	18.6
12H 4H	16.5	16.8	16.9	17.2	17.6	17.6	17.9	18.0	18.3	18.7
6H	16.3	16.6	16.8	17.1	17.5	17.4	17.7	17.9	18.2	18.6
8H	16.3	16.5	16.8	17.0	17.5	17.4	17.6	17.8	18.1	18.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.2 / - 4.7					+ 2.4 / - 4.4				
1.5H	+ 3.9 / - 4.1					+ 4.3 / - 4.0				
2.0H	+ 3.3 / - 2.1					+ 3.3 / - 3.4				

CIE Pub.117, 136.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.9)
Area: 0.0003 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

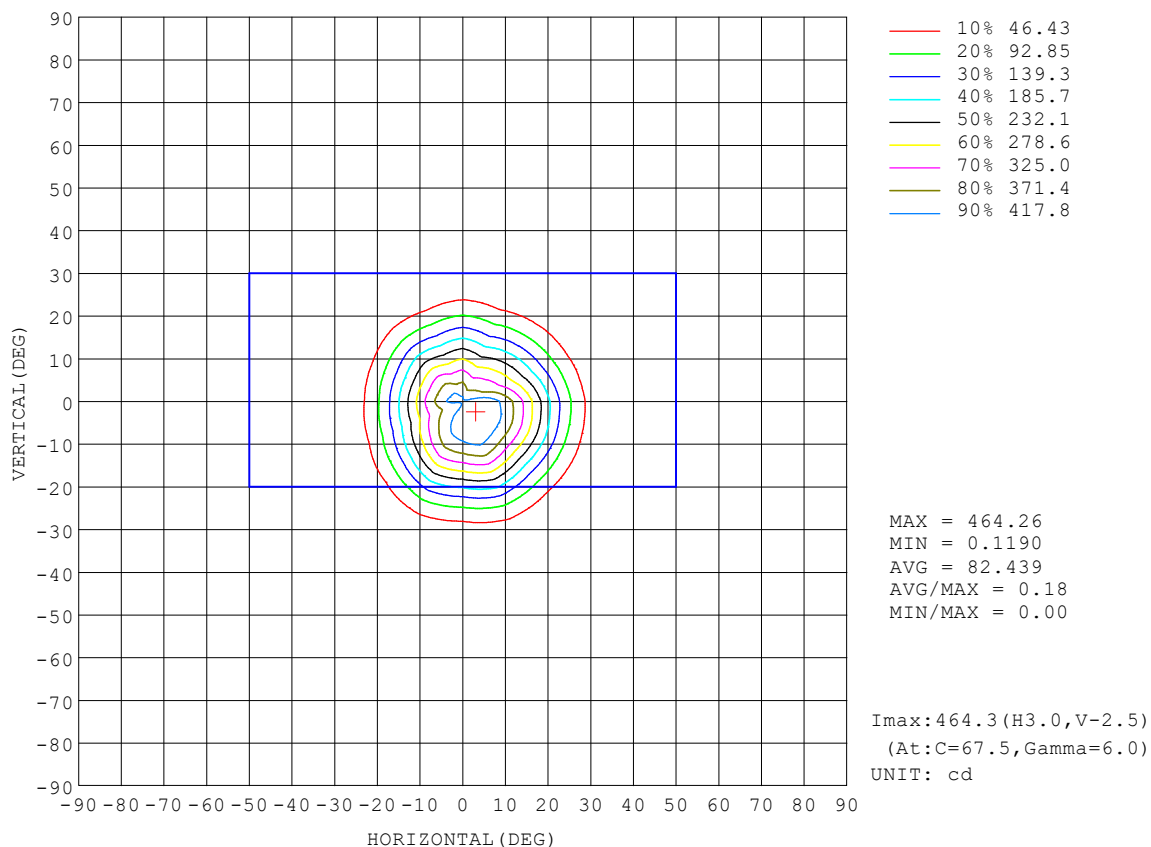
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	81	90	85	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	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	108	107	105	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: 001
 Test Date: 2024-11-01

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 8.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

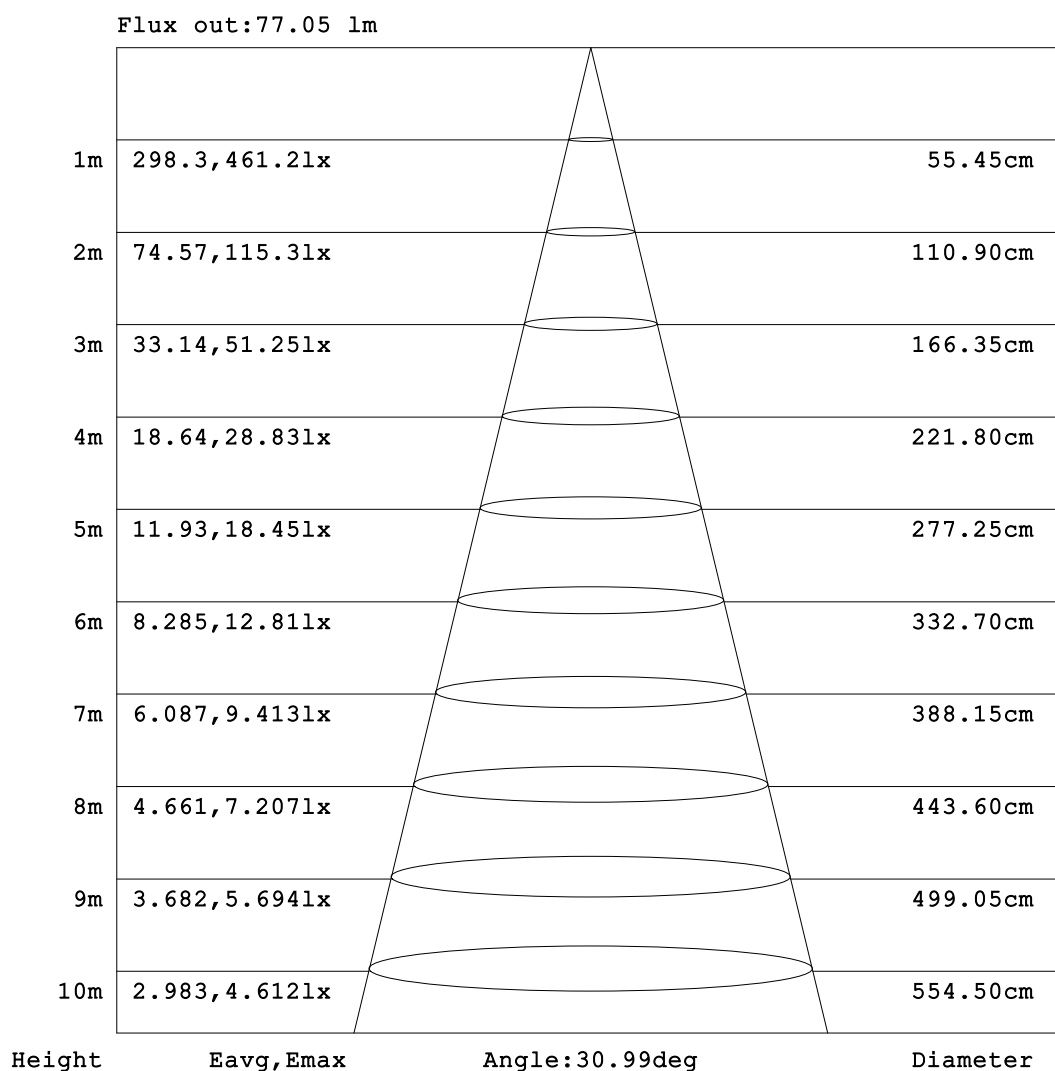


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

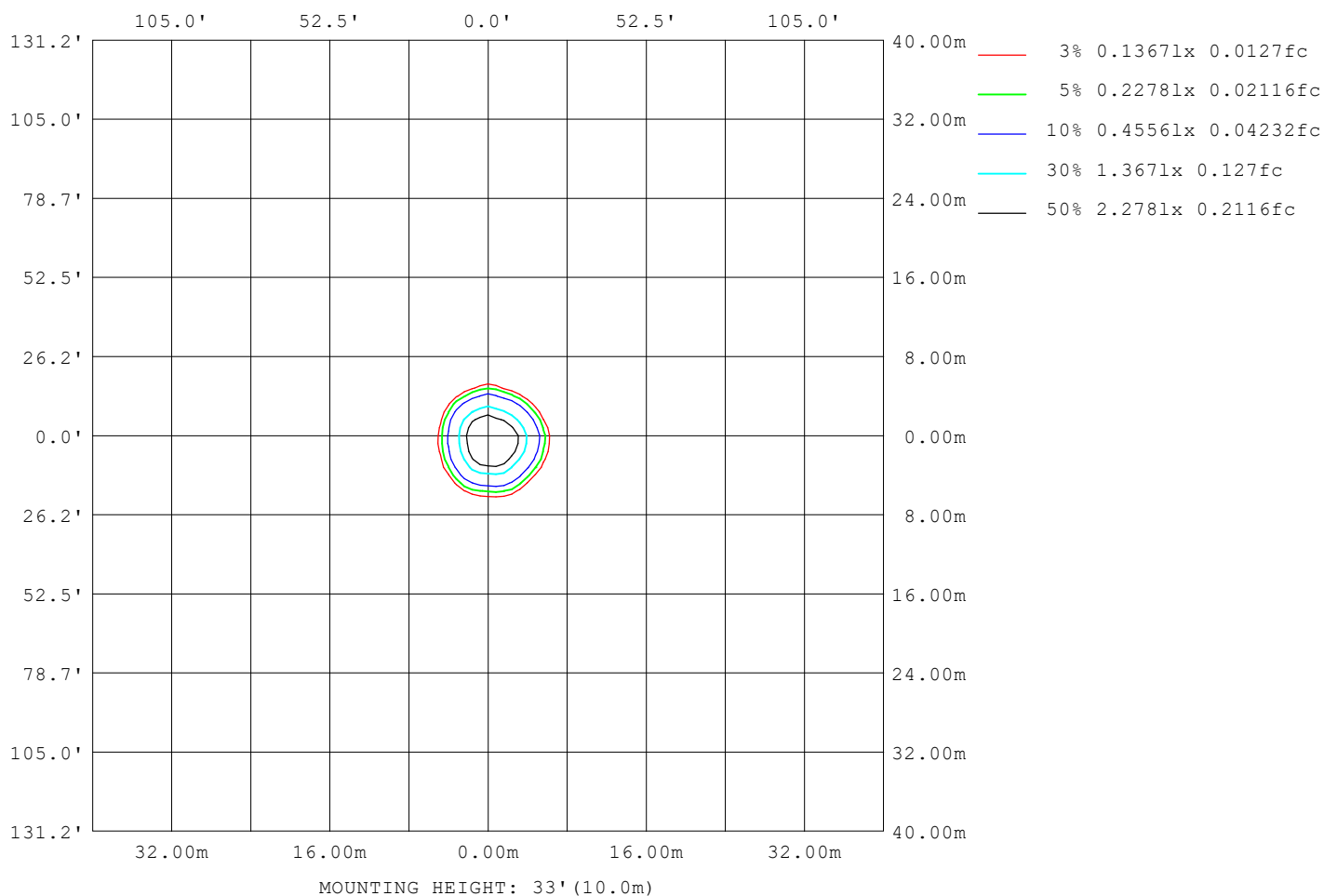


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 8.370m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm		
NAME: DL3869 2700K RA97 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

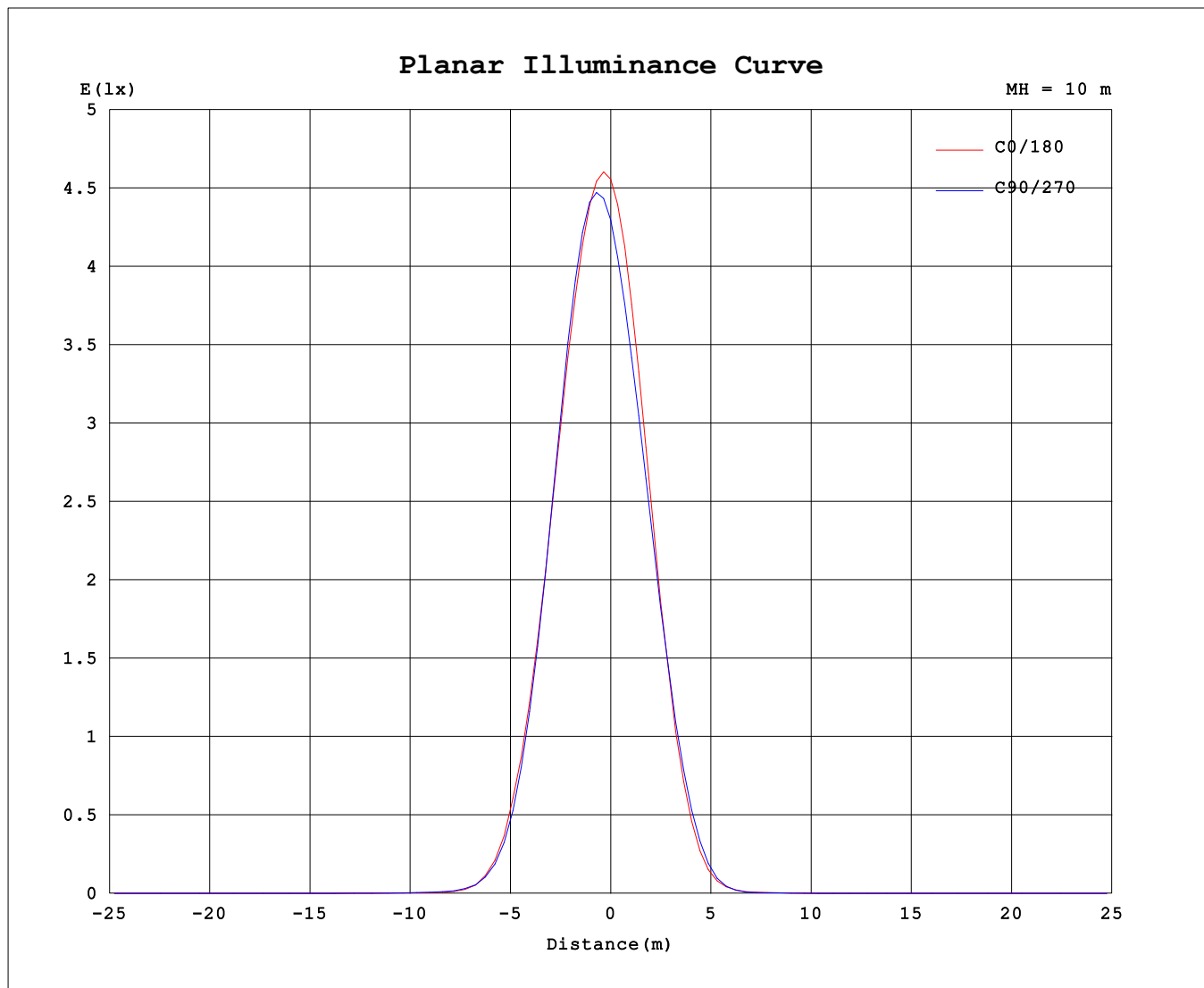
AvgL	cd/m2
L_0~180 (65) av	683
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	1477
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	583
L_45 (75) av	0
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-11-01

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: 001
Test Date: 2024-11-01

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 8.370m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.74V I:0.0434A P:3.8490W PF:0.4020 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:136.533x1 lm																	
NAME: DL3869 2700K RA97 36D									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: VJC Lighting									SUR.: 20						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	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427	427			
5	429	439	443	455	448	453	431	411	390	383	381	372	377	375	392	411			
10	374	393	400	429	407	418	365	317	279	272	276	263	276	270	302	340			
15	307	326	330	363	331	345	281	229	192	187	194	184	199	192	229	270			
20	183	196	194	222	189	200	146	106	80.7	81.8	87.6	82.7	94.3	89.9	117	153			
25	107	116	111	132	105	113	74.5	48.1	33.6	33.0	38.9	34.2	43.6	38.5	58.1	86.6			
30	30.8	34.0	32.0	39.8	28.8	31.6	17.4	9.66	6.08	5.62	6.39	4.98	7.00	5.47	10.08	19.8			
35	8.91	10.4	10.3	14.0	9.86	10.9	5.96	3.37	1.90	1.64	1.82	1.67	1.89	1.82	2.49	4.72			
40	1.85	2.29	2.21	2.75	2.46	2.56	1.74	1.16	1.04	0.93	0.89	0.80	0.91	0.89	1.10	1.36			
45	1.11	1.27	1.48	1.60	1.74	1.85	1.03	0.55	0.39	0.43	0.39	0.48	0.59	0.70	0.63	0.83			
50	0.53	0.58	0.59	0.72	0.92	0.91	0.62	0.36	0.21	0.22	0.21	0.30	0.39	0.52	0.43	0.43			
55	0.38	0.43	0.42	0.56	0.75	0.78	0.50	0.27	0.14	0.16	0.15	0.24	0.31	0.43	0.33	0.32			
60	0.24	0.27	0.28	0.37	0.54	0.57	0.35	0.12	0.02	0.03	0.02	0.07	0.18	0.23	0.19	0.20			
65	0.18	0.23	0.16	0.26	0.40	0.44	0.21	0.00	0.00	0.00	0.00	0.00	0.06	0.11	0.04	0.05			
70	0.03	0.12	0.00	0.00	0.08	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
75	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			
80	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			
85	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			
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			
95	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			
100	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			
105	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			
110	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			
115	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			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.02	0.05	0.04	0.05	0.03	0.03	0.00			
130	0.03	0.05	0.03	0.06	0.04	0.07	0.08	0.15	0.16	0.14	0.17	0.17	0.17	0.16	0.14	0.06			
135	0.10	0.12	0.11	0.13	0.12	0.16	0.17	0.27	0.26	0.25	0.27	0.29	0.28	0.29	0.25	0.15			
140	0.25	0.27	0.26	0.28	0.28	0.32	0.35	0.47	0.44	0.43	0.45	0.48	0.48	0.49	0.45	0.34			
145	0.37	0.39	0.38	0.40	0.41	0.44	0.50	0.61	0.57	0.56	0.58	0.60	0.60	0.63	0.59	0.48			
150	0.55	0.58	0.56	0.60	0.60	0.66	0.70	0.80	0.73	0.71	0.74	0.76	0.77	0.79	0.77	0.68			
155	0.66	0.69	0.67	0.71	0.71	0.79	0.81	0.89	0.80	0.78	0.81	0.82	0.84	0.86	0.86	0.78			
160	0.75	0.76	0.76	0.80	0.81	0.87	0.88	0.89	0.79	0.80	0.80	0.84	0.83	0.88	0.87	0.86			
165	0.76	0.76	0.77	0.80	0.81	0.87	0.88	0.85	0.74	0.76	0.74	0.79	0.77	0.83	0.82	0.86			
170	0.71	0.69	0.72	0.74	0.75	0.79	0.80	0.73	0.63	0.66	0.63	0.65	0.63	0.68	0.69	0.77			
175	0.65	0.63	0.66	0.67	0.68	0.70	0.72	0.66	0.59	0.61	0.60	0.60	0.58	0.63	0.65	0.69			
180	0.59	0.60	0.61	0.61	0.62	0.64	0.67	0.65	0.59	0.60	0.60	0.60	0.60	0.63	0.66	0.64			

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