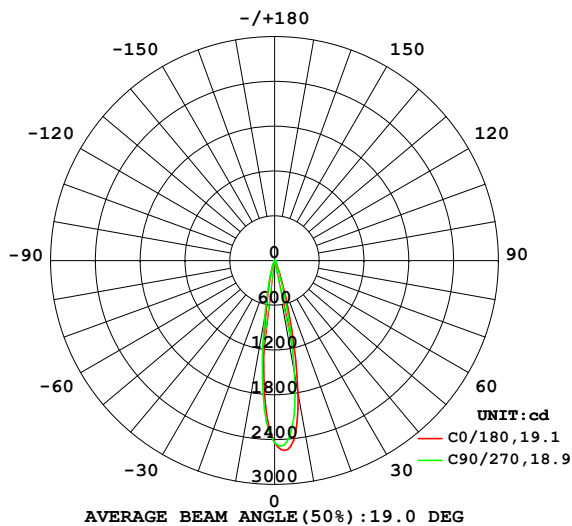


LUMINAIRE PHOTOMETRIC TEST REPORT

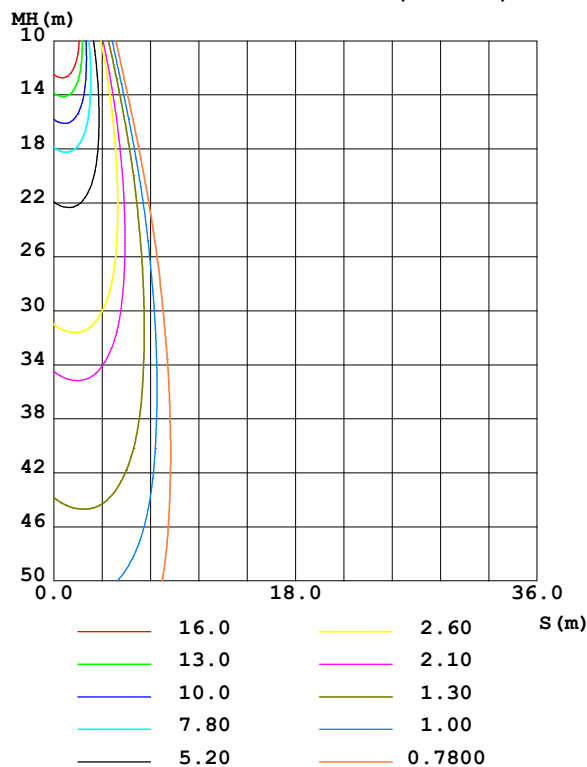
Test:U:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 41.29 lm/W			
MODEL	DL3831 3000K RA90 15D	I _{max} (cd)	2601	S/MH(C0/180)	0.24
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.26
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	350.63	η UP,DN(C0-180)	0.3,60.5
NOMINAL FLUX(lm)	350.633	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,38.7
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down (%)	99.3	CIBSE SHR MAX	0.30

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:VJC008
Test Date:2023-07-31

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	1810	1962	1548	923.7	656.8	605.3	782.7	1289	0- 10	168.7	168.7	48.1,48.1
20	255.8	261.3	177.2	116.8	90.71	81.93	109.0	177.2	10- 20	140.0	308.6	88,88
30	39.34	42.80	28.40	17.56	11.94	9.226	12.40	22.89	20- 30	31.27	339.9	96.9,96.9
40	5.713	6.734	4.439	2.668	1.981	1.775	2.097	3.546	30- 40	6.399	346.3	98.8,98.8
50	1.186	1.163	0.8738	0.6625	0.5433	0.5275	0.5802	0.7693	40- 50	1.329	347.6	99.1,99.1
60	0.1789	0.2326	0.1101	0.0811	0.0443	0.0404	0.0500	0.0761	50- 60	0.3370	348.0	99.2,99.2
70	0.0223	0.0226	0.0160	0.0047	0	0	0	0	60- 70	0.0352	348.0	99.3,99.3
80	0	0	0	0	0	0	0	0	70- 80	0.0012	348.0	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	0	348.0	99.3,99.3
100	0	0	0	0	0	0	0	0	90-100	0	348.0	99.3,99.3
110	0	0	0	0	0	0	0	0	100-110	0.0002	348.0	99.3,99.3
120	0.0133	0.0112	0.0159	0.0231	0.0201	0.0226	0.0138	0.0023	110-120	0.0066	348.0	99.3,99.3
130	0.0355	0.0337	0.0432	0.0532	0.2294	0.2504	0.1828	0.1044	120-130	0.0463	348.1	99.3,99.3
140	0.1263	0.1168	0.1727	0.3208	1.101	1.189	1.013	0.7136	130-140	0.2321	348.3	99.3,99.3
150	0.8010	0.7773	0.9783	1.347	2.151	2.208	2.110	1.870	140-150	0.6450	348.9	99.5,99.5
160	1.923	1.923	2.081	2.250	2.415	2.429	2.458	2.422	150-160	0.8922	349.8	99.8,99.8
170	2.131	2.158	2.146	1.981	1.830	1.794	1.912	2.074	160-170	0.6340	350.5	100,100
180	1.524	1.534	1.440	1.480	1.511	1.528	1.442	1.478	170-180	0.1682	350.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 347.19 lm

%lum = 99.0%

%lamp = 99.0%

Conical surface Flux(130deg): 348 lm

%lum = 99.2%

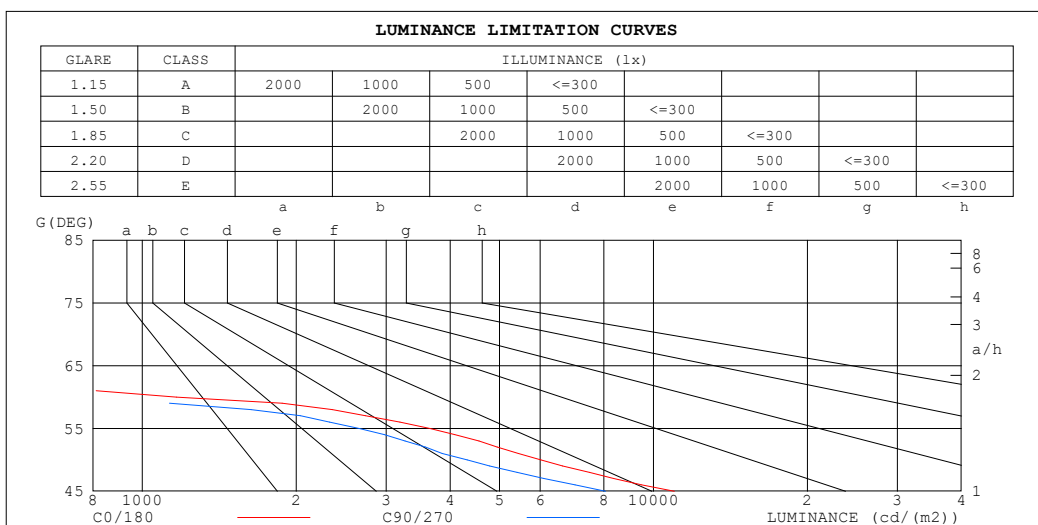
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:VJC008
 Test Date:2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	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	1	0
70	213	149
65	515	395
60	1167	700
55	3655	2656
50	6015	4323
45	10983	8057

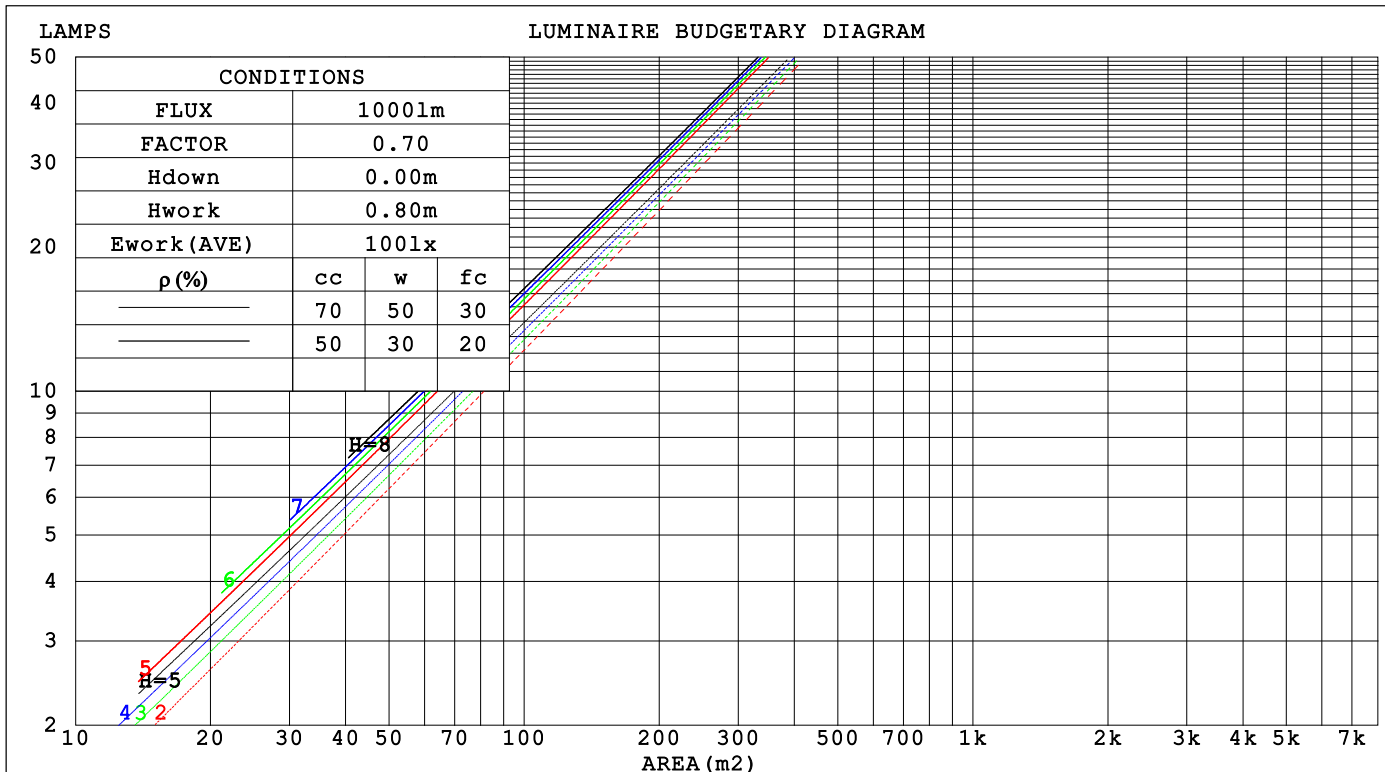
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	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	1.13	1.12	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.02	.99	.99	.99	.97
2.0	1.09	1.06	1.04	1.07	1.05	1.02	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.05	1.01	.99	1.03	1.00	.98	1.01	.98	.96	.99	.97	.95	.96	.95	.93	.92
4.0	1.01	.98	.95	1.00	.97	.95	.98	.96	.93	.96	.94	.92	.95	.93	.91	.90
5.0	.98	.95	.92	.97	.94	.92	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88
6.0	.96	.92	.89	.95	.91	.89	.94	.91	.88	.92	.90	.88	.91	.89	.87	.86
7.0	.93	.90	.87	.93	.89	.87	.91	.88	.86	.90	.88	.86	.89	.87	.85	.84
8.0	.91	.87	.85	.90	.87	.85	.89	.86	.84	.89	.86	.84	.88	.85	.84	.83
9.0	.89	.85	.83	.88	.85	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
10.0	.87	.84	.81	.87	.83	.81	.86	.83	.81	.85	.83	.81	.85	.82	.80	.80



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D			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	.126	.071	.023	.119	.068	.022	.106	.061	.019	.094	.054	.017	.083	.048	.016		
2.0	.115	.063	.019	.109	.060	.019	.099	.055	.017	.089	.050	.016	.080	.045	.014		
3.0	.106	.057	.017	.102	.054	.016	.093	.050	.015	.085	.046	.014	.077	.043	.013		
4.0	.099	.051	.015	.095	.050	.015	.088	.046	.014	.081	.043	.013	.074	.040	.012		
5.0	.093	.047	.014	.089	.046	.013	.083	.043	.013	.077	.041	.012	.072	.038	.012		
6.0	.087	.044	.012	.084	.043	.012	.079	.040	.012	.074	.038	.011	.069	.036	.011		
7.0	.082	.041	.012	.080	.040	.011	.075	.038	.011	.071	.036	.011	.067	.035	.010		
8.0	.078	.038	.011	.076	.037	.011	.072	.036	.010	.068	.034	.010	.064	.033	.010		
9.0	.074	.036	.010	.073	.035	.010	.069	.034	.010	.066	.033	.009	.062	.032	.009		
10.0	.071	.034	.009	.069	.034	.009	.066	.032	.009	.063	.031	.009	.060	.030	.009		

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	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.173	.164	.155	.148	.140	.133	.101	.097	.092	.058	.056	.054	.019	.018	.017	
2.0	.154	.139	.125	.132	.119	.108	.091	.083	.075	.052	.048	.044	.017	.016	.014	
3.0	.139	.119	.103	.119	.103	.090	.082	.071	.063	.047	.042	.037	.015	.014	.012	
4.0	.126	.103	.087	.108	.089	.075	.074	.062	.053	.043	.036	.031	.014	.012	.010	
5.0	.115	.091	.074	.098	.079	.064	.068	.055	.045	.039	.032	.027	.013	.011	.009	
6.0	.105	.081	.063	.090	.070	.055	.062	.049	.039	.036	.029	.023	.012	.009	.008	
7.0	.097	.072	.055	.084	.063	.048	.058	.044	.034	.034	.026	.020	.011	.008	.007	
8.0	.091	.066	.048	.078	.057	.042	.054	.040	.030	.031	.024	.018	.010	.008	.006	
9.0	.085	.060	.043	.073	.052	.037	.051	.036	.027	.029	.022	.016	.010	.007	.005	
10.0	.080	.055	.038	.069	.048	.033	.048	.033	.024	.028	.020	.014	.009	.007	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm										
NAME: DL3831 3000K RA90 15D						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	14.8	15.3	15.0	15.5	15.7	14.6	15.2	14.8	15.3	15.5
3H	14.6	15.2	14.9	15.4	15.6	14.5	15.0	14.7	15.2	15.4
4H	14.6	15.1	14.8	15.3	15.5	14.4	14.9	14.7	15.1	15.3
6H	14.5	15.0	14.8	15.2	15.4	14.3	14.8	14.6	15.0	15.3
8H	14.4	14.9	14.7	15.2	15.4	14.3	14.7	14.6	15.0	15.3
12H	14.4	14.8	14.7	15.1	15.4	14.2	14.7	14.5	14.9	15.2
4H 2H	14.6	15.1	14.8	15.3	15.5	14.4	14.9	14.7	15.1	15.4
3H	14.4	14.8	14.7	15.1	15.4	14.2	14.7	14.5	15.0	15.2
4H	14.3	14.7	14.6	15.0	15.3	14.1	14.5	14.5	14.9	15.2
6H	14.2	14.6	14.6	14.9	15.3	14.0	14.4	14.4	14.7	15.1
8H	14.1	14.5	14.5	14.8	15.2	14.0	14.3	14.4	14.7	15.1
12H	14.1	14.4	14.5	14.8	15.2	13.9	14.2	14.3	14.6	15.0
8H 4H	14.1	14.5	14.5	14.8	15.2	14.0	14.3	14.4	14.7	15.1
6H	14.0	14.3	14.4	14.7	15.1	13.9	14.1	14.3	14.5	15.0
8H	14.0	14.2	14.4	14.6	15.1	13.8	14.0	14.2	14.5	14.9
12H	13.9	14.1	14.4	14.6	15.0	13.7	13.9	14.2	14.4	14.9
12H 4H	14.1	14.4	14.5	14.8	15.2	13.9	14.2	14.3	14.6	15.0
6H	14.0	14.2	14.4	14.6	15.1	13.8	14.0	14.2	14.5	14.9
8H	13.9	14.1	14.4	14.6	15.0	13.7	13.9	14.2	14.4	14.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.8 / -11.8					+ 3.0 / -12.6				
1.5H	+ 6.0 / - 8.3					+ 5.3 / - 7.6				
2.0H	+ 5.8 / -13.6					+ 5.2 / -13.3				

CIE Pub.117, 350.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.6)
Area: 0.000314 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

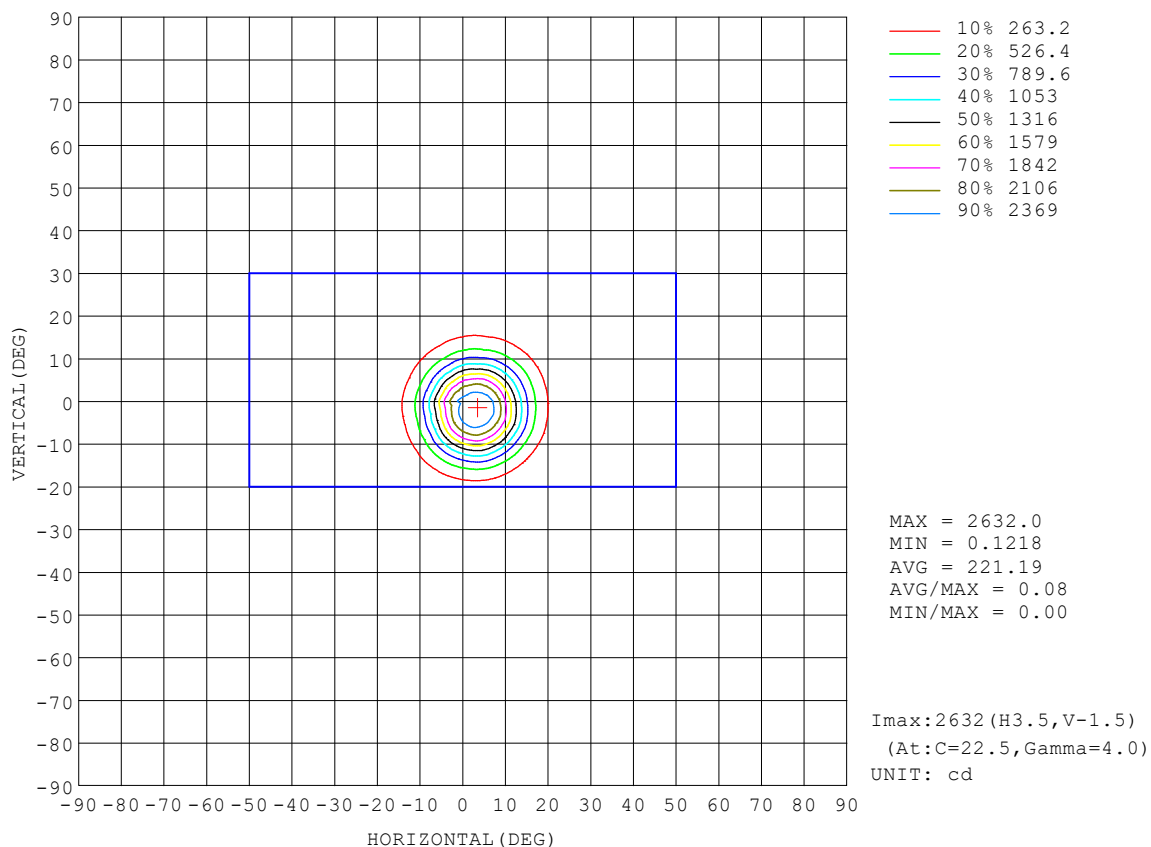
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	101	97	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	105	103	101	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	116	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: 2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

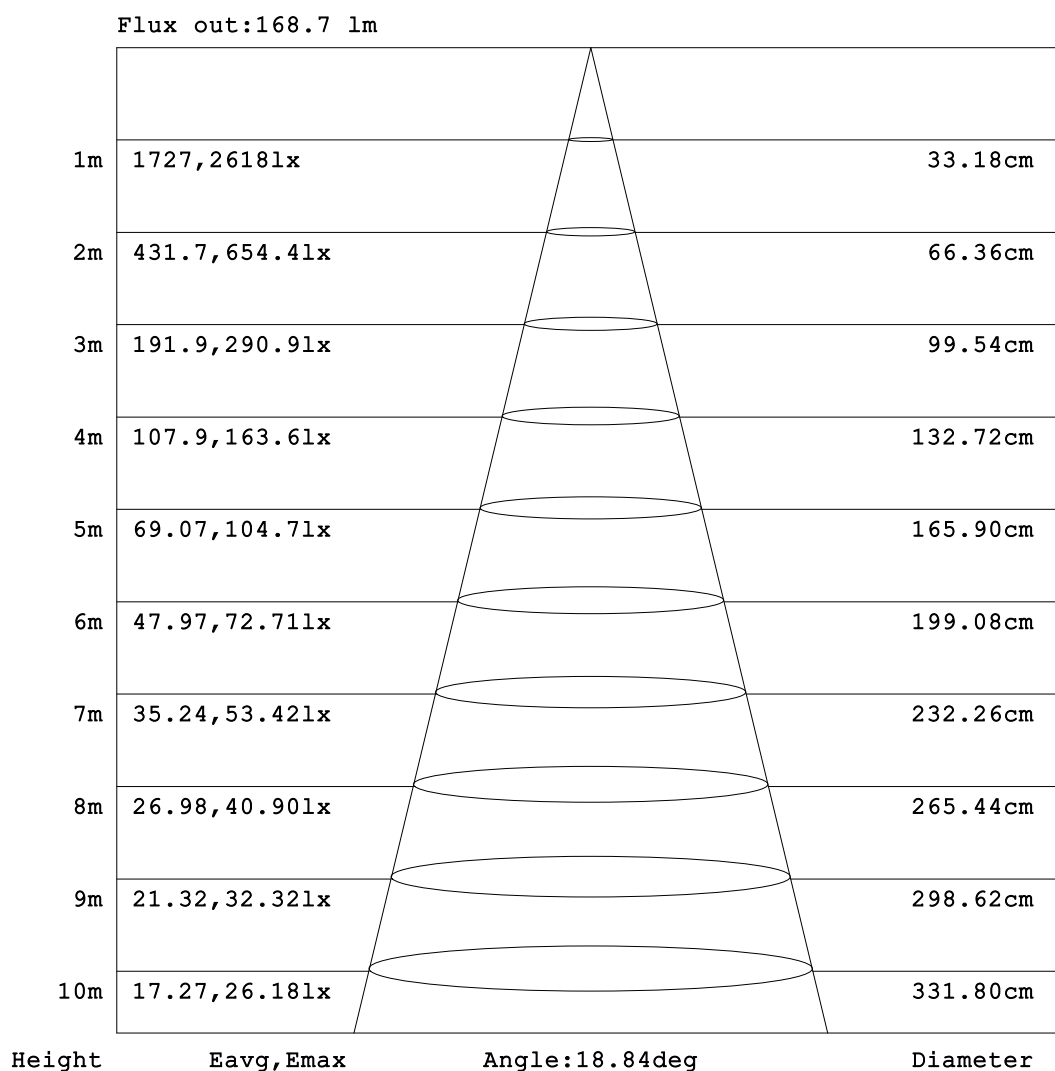


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:



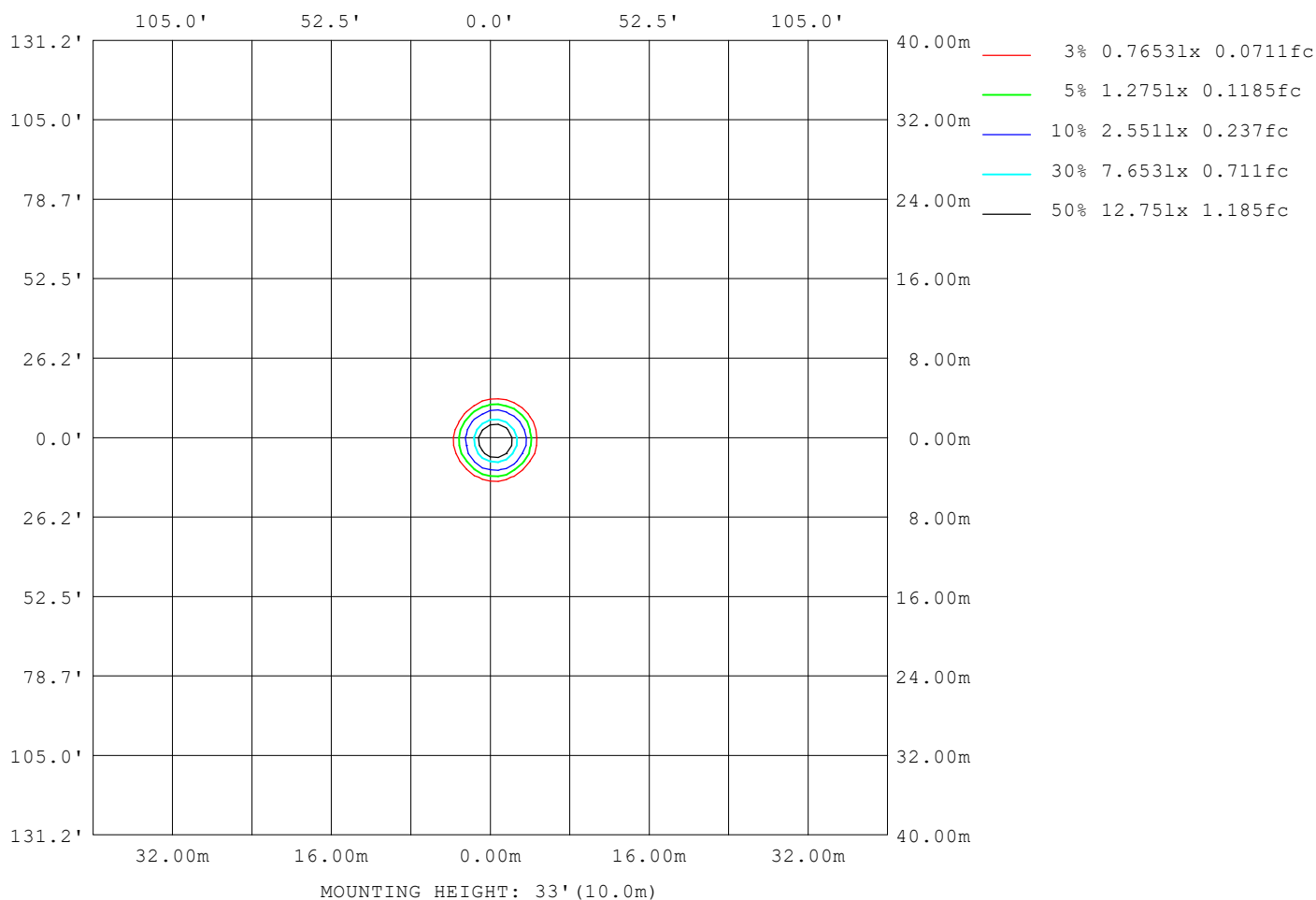
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	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: VJC008
Test Date: 2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm		
NAME: DL3831 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 20	Shielding Angle:

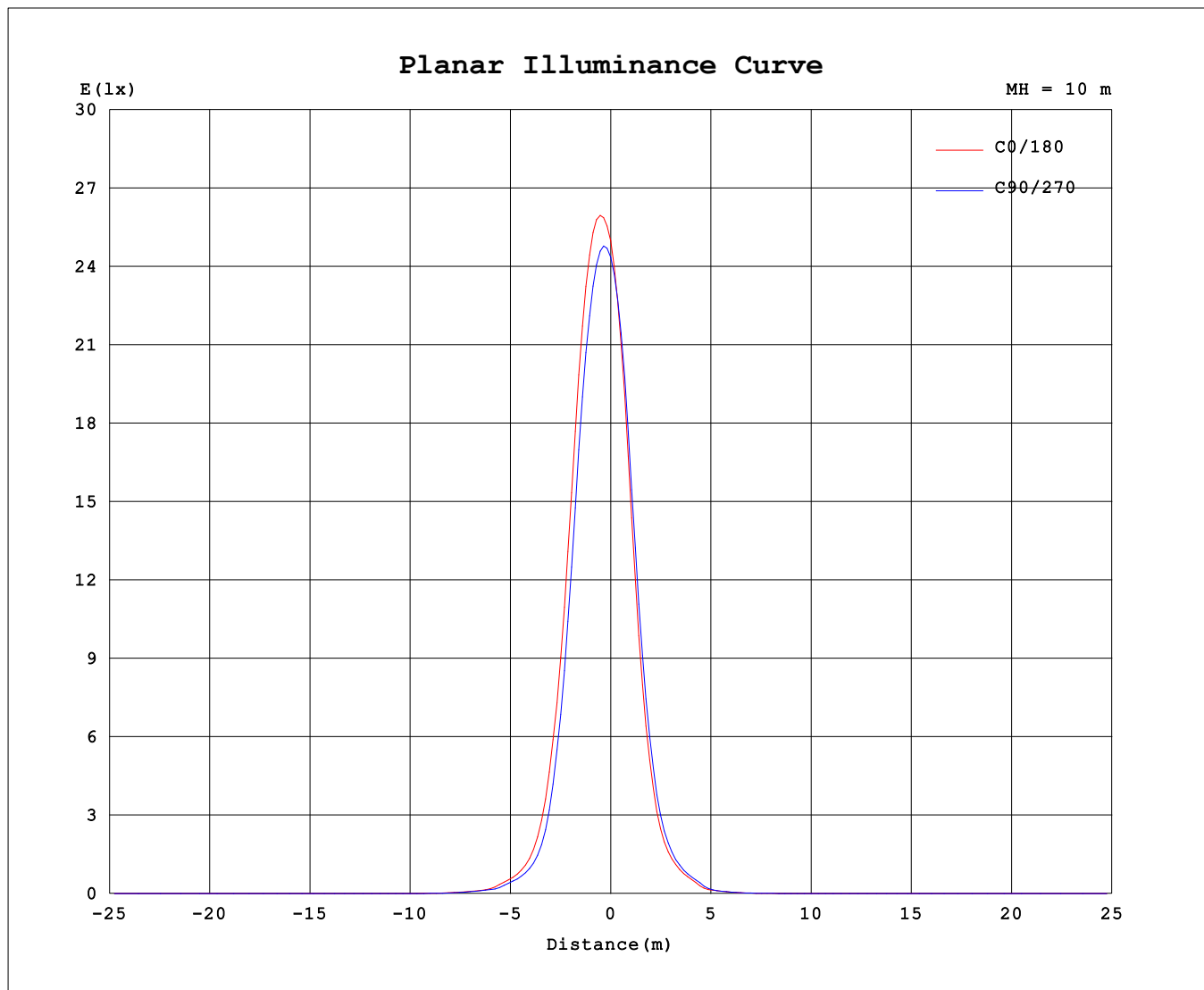
AvgL	cd/m2
L_0~180 (65) av	251
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	206
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	219
L_45 (75) av	0
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:VJC008
Test Date:2023-07-31

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: 2023-07-31

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:220.64V I:0.0744A P:8.4927W PF:0.5173 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:350.633x1 lm																	
NAME: DL3831 3000K RA90 15D									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	2439	2439	2439	2439	2439	2439	2439	2439	2439	2439	2439	2439	2439	2439	2439	2439			
5	2499	2578	2561	2508	2355	2178	1940	1741	1655	1555	1572	1624	1792	1981	2231	2413			
10	1810	1993	1962	1851	1548	1242	924	737	657	599	605	659	783	957	1289	1610			
15	792	927	898	802	612	447	310	243	216	194	197	217	267	343	501	681			
20	256	284	261	225	177	149	117	102	90.7	79.4	81.9	89.4	109	134	177	227			
25	98.2	102	94.3	87.3	76.0	66.4	51.6	34.3	27.7	20.2	23.8	26.9	38.9	58.5	78.6	95.0			
30	39.3	42.9	42.8	36.8	28.4	23.5	17.6	13.8	11.9	8.09	9.23	9.88	12.4	15.0	22.9	32.1			
35	15.9	16.1	19.0	17.2	14.0	10.3	7.26	5.18	4.46	3.55	3.61	3.87	4.69	5.84	9.55	12.9			
40	5.71	6.30	6.73	5.89	4.44	3.57	2.67	2.20	1.98	1.71	1.77	1.84	2.10	2.49	3.55	4.78			
45	2.38	2.47	2.46	2.21	1.79	1.48	1.23	1.07	1.03	0.90	0.98	0.98	1.01	1.14	1.57	2.03			
50	1.19	1.12	1.16	1.03	0.87	0.74	0.66	0.57	0.54	0.47	0.53	0.55	0.58	0.61	0.77	0.99			
55	0.64	0.57	0.64	0.54	0.48	0.36	0.29	0.15	0.12	0.14	0.12	0.15	0.15	0.26	0.42	0.53			
60	0.18	0.18	0.23	0.18	0.11	0.07	0.08	0.05	0.04	0.07	0.04	0.07	0.05	0.08	0.08	0.13			
65	0.07	0.05	0.07	0.03	0.05	0.02	0.03	0.00	0.00	0.02	0.00	0.02	0.00	0.03	0.02	0.06			
70	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02			
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	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.01	0.04	0.01	0.03	0.02	0.04	0.02	0.05	0.02	0.00	0.02	0.00	0.01	0.00	0.00	0.00			
125	0.03	0.05	0.02	0.05	0.03	0.06	0.04	0.06	0.08	0.06	0.08	0.05	0.06	0.02	0.03	0.00			
130	0.04	0.06	0.03	0.06	0.04	0.07	0.05	0.09	0.23	0.24	0.25	0.21	0.18	0.12	0.10	0.06			
135	0.05	0.07	0.05	0.08	0.07	0.11	0.12	0.17	0.57	0.62	0.63	0.57	0.50	0.38	0.30	0.21			
140	0.13	0.14	0.12	0.16	0.17	0.25	0.32	0.43	1.10	1.18	1.19	1.12	1.01	0.86	0.71	0.56			
145	0.35	0.34	0.33	0.40	0.46	0.61	0.75	0.91	1.69	1.77	1.78	1.72	1.62	1.46	1.29	1.11			
150	0.80	0.77	0.78	0.86	0.98	1.16	1.35	1.52	2.15	2.19	2.21	2.17	2.11	1.99	1.87	1.71			
155	1.39	1.37	1.38	1.47	1.59	1.76	1.91	2.05	2.39	2.39	2.42	2.40	2.39	2.32	2.27	2.17			
160	1.92	1.93	1.92	2.01	2.08	2.20	2.25	2.30	2.41	2.43	2.43	2.46	2.46	2.43	2.42	2.39			
165	2.19	2.22	2.21	2.27	2.28	2.29	2.29	2.21	2.22	2.22	2.22	2.30	2.32	2.36	2.36	2.42			
170	2.13	2.14	2.16	2.16	2.15	2.08	1.98	1.88	1.83	1.82	1.79	1.84	1.91	2.01	2.07	2.18			
175	1.81	1.82	1.84	1.78	1.72	1.63	1.60	1.48	1.47	1.48	1.45	1.45	1.46	1.60	1.68	1.76			
180	1.52	1.52	1.53	1.47	1.44	1.43	1.48	1.45	1.51	1.50	1.53	1.44	1.44	1.43	1.48	1.45			

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