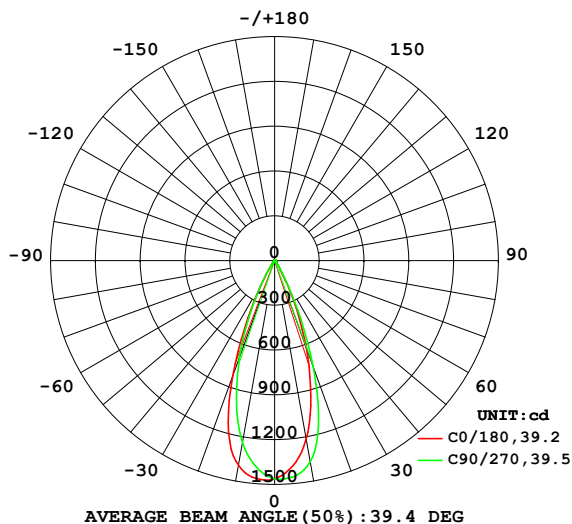


LUMINAIRE PHOTOMETRIC TEST REPORT

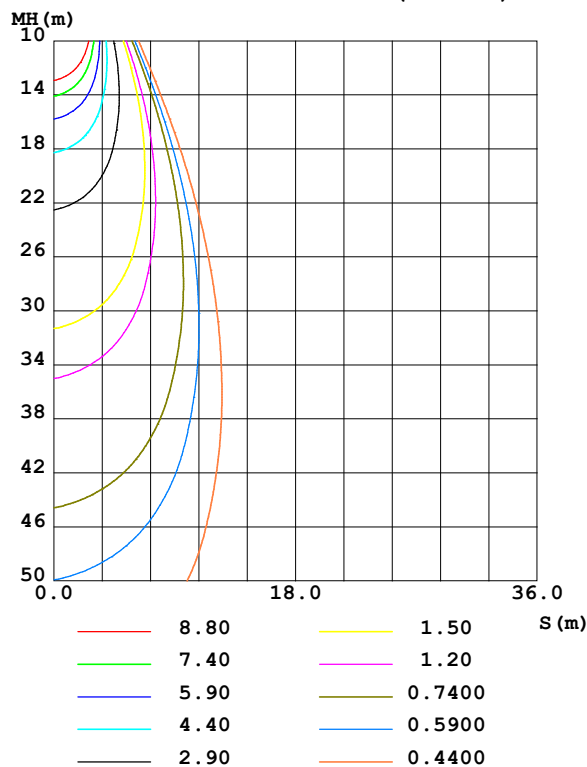
Test:U:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.73 lm/W			
MODEL	DL3593 3000K 36D	Imax (cd)	1483	S/MH(C0/180)	0.64
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	652.44	η UP,DN(C0-180)	0.3,49.9
NOMINAL FLUX(lm)	652.436	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,49.4
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down (%)	99.3	CIBSE SHR MAX	0.65

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:2023-10-10

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	1217	1279	1371	1441	1394	1303	1239	1231	0- 10	132.4	132.4	20.3,20.3
20	620.6	656.3	751.9	820.8	824.8	760.9	689.8	652.7	10- 20	288.9	421.3	64.6,64.6
30	119.7	121.5	134.9	149.2	160.7	165.2	158.6	147.8	20- 30	175.1	596.4	91.4,91.4
40	19.53	20.17	22.17	23.79	24.01	22.77	21.60	19.90	30- 40	37.04	633.4	97.1,97.1
50	6.813	7.341	7.751	8.009	8.111	7.323	6.890	6.470	40- 50	9.606	643.0	98.6,98.6
60	1.379	1.557	1.527	1.604	1.808	1.835	1.714	1.468	50- 60	3.867	646.9	99.1,99.1
70	0.0440	0.0373	0.0965	0.1130	0.1706	0.2167	0.1581	0.1084	60- 70	0.6974	647.6	99.3,99.3
80	0	0	0	0	0	0	0	0	70- 80	0.0101	647.6	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	0	647.6	99.3,99.3
100	0	0	0	0	0	0	0	0	90-100	0.0005	647.6	99.3,99.3
110	0.0316	0.0227	0.0205	0.0159	0.0204	0.0159	0.0206	0.0251	100-110	0.0106	647.6	99.3,99.3
120	0.0836	0.0771	0.0750	0.0661	0.1315	0.1297	0.1459	0.1600	110-120	0.0540	647.7	99.3,99.3
130	0.3343	0.3219	0.3022	0.2824	0.5914	0.6050	0.6814	0.7447	120-130	0.2321	647.9	99.3,99.3
140	1.100	1.027	0.9546	0.9023	1.526	1.584	1.719	1.817	130-140	0.6667	648.5	99.4,99.4
150	2.230	2.124	2.017	1.938	2.755	2.831	2.946	3.019	140-150	1.178	649.7	99.6,99.6
160	3.097	3.053	3.023	2.953	3.713	3.731	3.755	3.667	150-160	1.366	651.1	99.8,99.8
170	3.373	3.453	3.490	3.492	3.805	3.778	3.697	3.628	160-170	0.9956	652.1	99.9,99.9
180	3.697	3.744	3.677	3.698	3.726	3.751	3.700	3.702	170-180	0.3466	652.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 639.29 lm

%lum = 98.0%

%lamp = 98.0%

Conical surface Flux(130deg): 647.38 lm

%lum = 99.2%

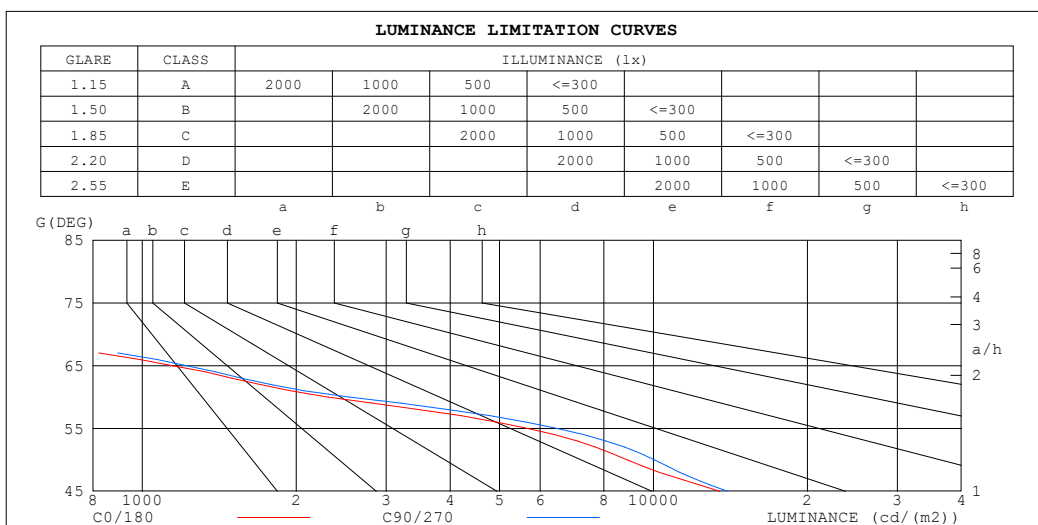
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:001
 Test Date:2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:



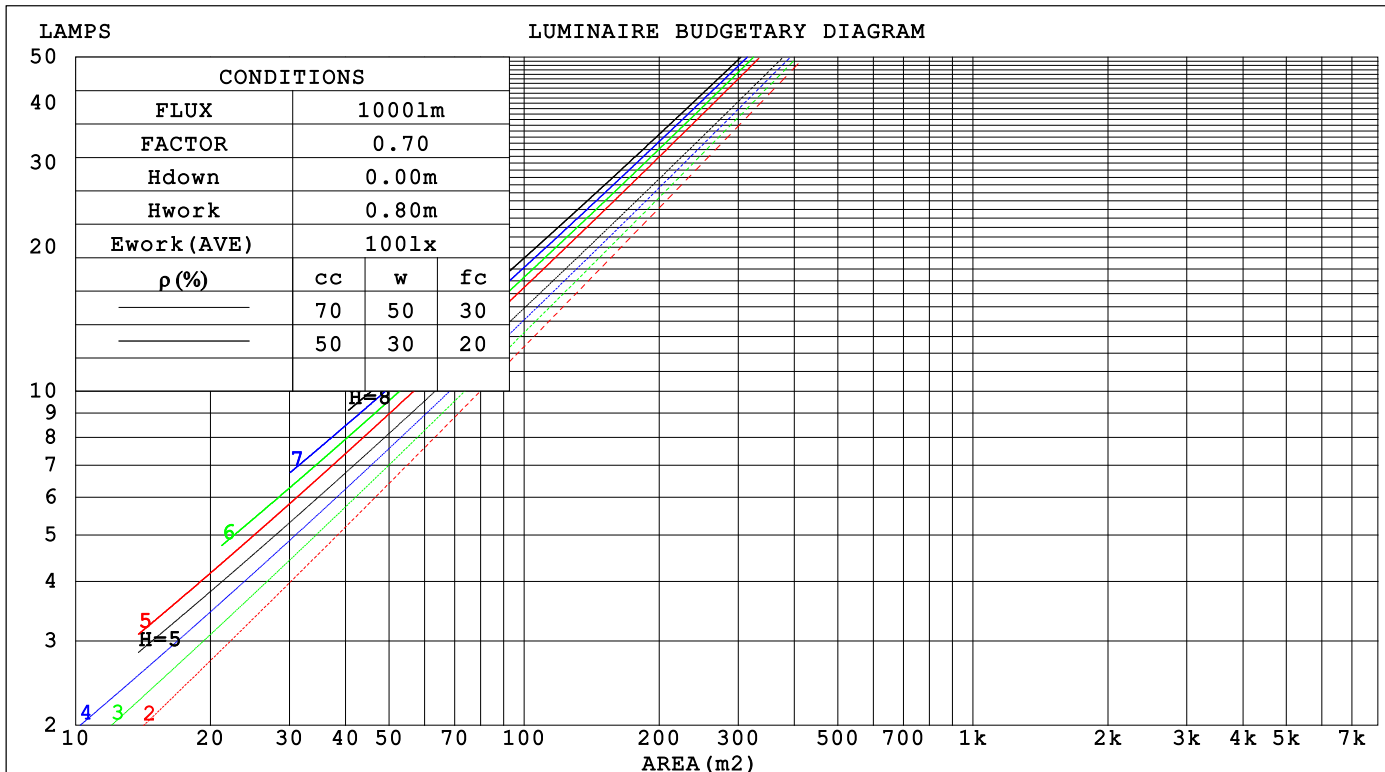
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 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	.00	.98	.97	.97	.95														
2.0	1.06	1.02	.00	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90														
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.91	.94	.91	.89	.92	.90	.88	.86														
4.0	.95	.91	.87	.94	.90	.87	.92	.89	.86	.90	.87	.85	.88	.86	.84	.82														
5.0	.91	.86	.83	.90	.86	.82	.88	.84	.82	.87	.83	.81	.85	.82	.80	.79														
6.0	.87	.82	.79	.86	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.75														
7.0	.83	.78	.75	.83	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.72														
8.0	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.69														
9.0	.77	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67														
10.0	.74	.69	.66	.73	.69	.66	.73	.68	.66	.72	.68	.65	.71	.68	.65	.64														



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:652.436x1 lm		
NAME: DL3593 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	.152	.087	.027	.145	.083	.026	.132	.076	.024	.121	.070	.022	.110	.064	.020		
2.0	.143	.078	.024	.137	.076	.023	.126	.070	.022	.117	.065	.020	.107	.061	.019		
3.0	.135	.072	.021	.130	.069	.021	.121	.065	.020	.112	.062	.019	.104	.058	.018		
4.0	.127	.066	.019	.123	.064	.019	.115	.061	.018	.108	.058	.018	.101	.055	.017		
5.0	.121	.062	.018	.117	.060	.018	.110	.058	.017	.104	.055	.016	.098	.053	.016		
6.0	.115	.058	.016	.112	.056	.016	.106	.054	.016	.101	.052	.015	.095	.050	.015		
7.0	.110	.054	.015	.107	.053	.015	.102	.051	.015	.097	.050	.014	.092	.048	.014		
8.0	.105	.051	.014	.103	.050	.014	.098	.049	.014	.094	.047	.014	.090	.046	.013		
9.0	.101	.049	.014	.099	.048	.013	.094	.047	.013	.091	.045	.013	.087	.044	.013		
10.0	.097	.046	.013	.095	.046	.013	.091	.045	.013	.088	.044	.012	.084	.042	.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	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.175	.163	.153	.150	.140	.131	.102	.096	.091	.059	.056	.053	.019	.018	.017		
2.0	.158	.138	.122	.135	.119	.105	.093	.082	.073	.054	.048	.043	.017	.016	.014		
3.0	.144	.119	.099	.124	.103	.086	.085	.071	.060	.049	.042	.036	.016	.014	.012		
4.0	.133	.104	.082	.114	.090	.071	.078	.063	.050	.045	.037	.030	.015	.012	.010		
5.0	.123	.092	.069	.106	.080	.060	.073	.056	.043	.042	.033	.025	.014	.011	.008		
6.0	.115	.082	.059	.099	.071	.052	.068	.050	.036	.039	.029	.022	.013	.010	.007		
7.0	.108	.074	.051	.093	.065	.045	.064	.045	.032	.037	.027	.019	.012	.009	.006		
8.0	.102	.068	.045	.087	.059	.039	.060	.041	.028	.035	.024	.017	.011	.008	.005		
9.0	.096	.063	.040	.083	.054	.035	.057	.038	.025	.033	.023	.015	.011	.007	.005		
10.0	.092	.058	.036	.079	.050	.031	.055	.035	.022	.032	.021	.013	.010	.007	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm										
NAME: DL3593 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	14.1	14.9	14.3	15.0	15.2	14.5	15.2	14.7	15.4	15.6
3H	13.9	14.6	14.2	14.8	15.1	14.3	15.0	14.6	15.2	15.4
4H	13.9	14.5	14.1	14.7	15.0	14.2	14.9	14.5	15.1	15.3
6H	13.8	14.4	14.1	14.6	14.9	14.1	14.8	14.4	15.0	15.3
8H	13.7	14.3	14.0	14.6	14.9	14.1	14.7	14.4	15.0	15.2
12H	13.7	14.3	14.0	14.5	14.8	14.0	14.6	14.4	14.9	15.2
4H 2H	13.9	14.6	14.2	14.8	15.0	14.3	14.9	14.5	15.2	15.4
3H	13.7	14.3	14.1	14.6	14.9	14.1	14.7	14.4	14.9	15.2
4H	13.6	14.2	14.0	14.5	14.8	14.0	14.5	14.3	14.8	15.1
6H	13.5	14.0	13.9	14.3	14.7	13.9	14.4	14.3	14.7	15.1
8H	13.5	13.9	13.9	14.3	14.6	13.8	14.3	14.2	14.6	15.0
12H	13.4	13.8	13.8	14.2	14.6	13.8	14.2	14.2	14.6	15.0
8H 4H	13.5	13.9	13.9	14.3	14.6	13.8	14.3	14.2	14.6	15.0
6H	13.4	13.7	13.8	14.1	14.6	13.7	14.1	14.2	14.5	14.9
8H	13.3	13.6	13.8	14.0	14.5	13.7	14.0	14.1	14.4	14.9
12H	13.2	13.5	13.7	14.0	14.5	13.6	13.9	14.1	14.3	14.8
12H 4H	13.4	13.8	13.8	14.2	14.6	13.8	14.2	14.2	14.6	15.0
6H	13.3	13.6	13.8	14.0	14.5	13.7	14.0	14.1	14.4	14.9
8H	13.2	13.5	13.7	14.0	14.5	13.6	13.9	14.1	14.3	14.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.8 / - 6.7					+ 3.3 / - 6.6				
1.5H	+ 3.8 / - 3.6					+ 4.6 / - 3.9				
2.0H	+ 4.2 / - 8.0					+ 4.2 / - 8.7				

CIE Pub.117, 652.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.5)
Area: 0.0012 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

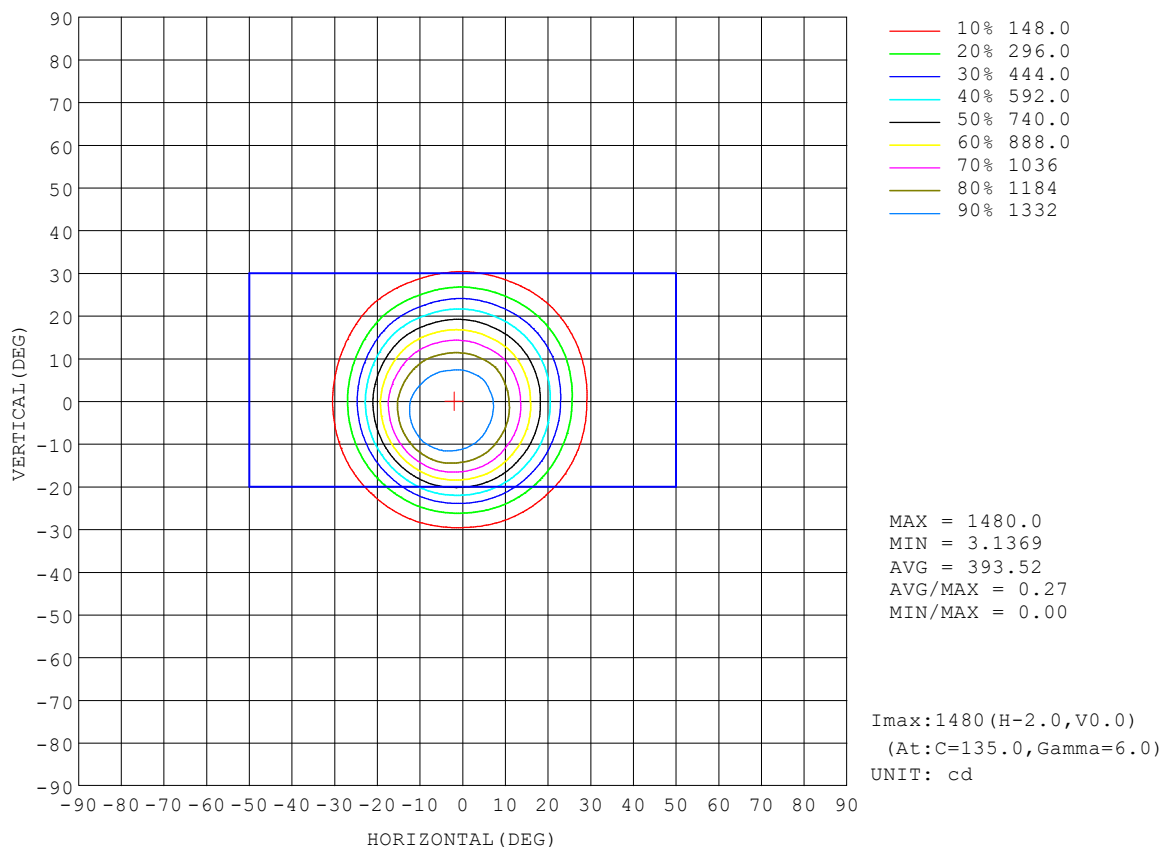
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	103	100	106	102	99	103	100	98	93
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	110	108	105	107	105	103	97
4.00	114	112	110	112	110	108	108	107	105	98
5.00	115	113	112	113	111	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: 2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

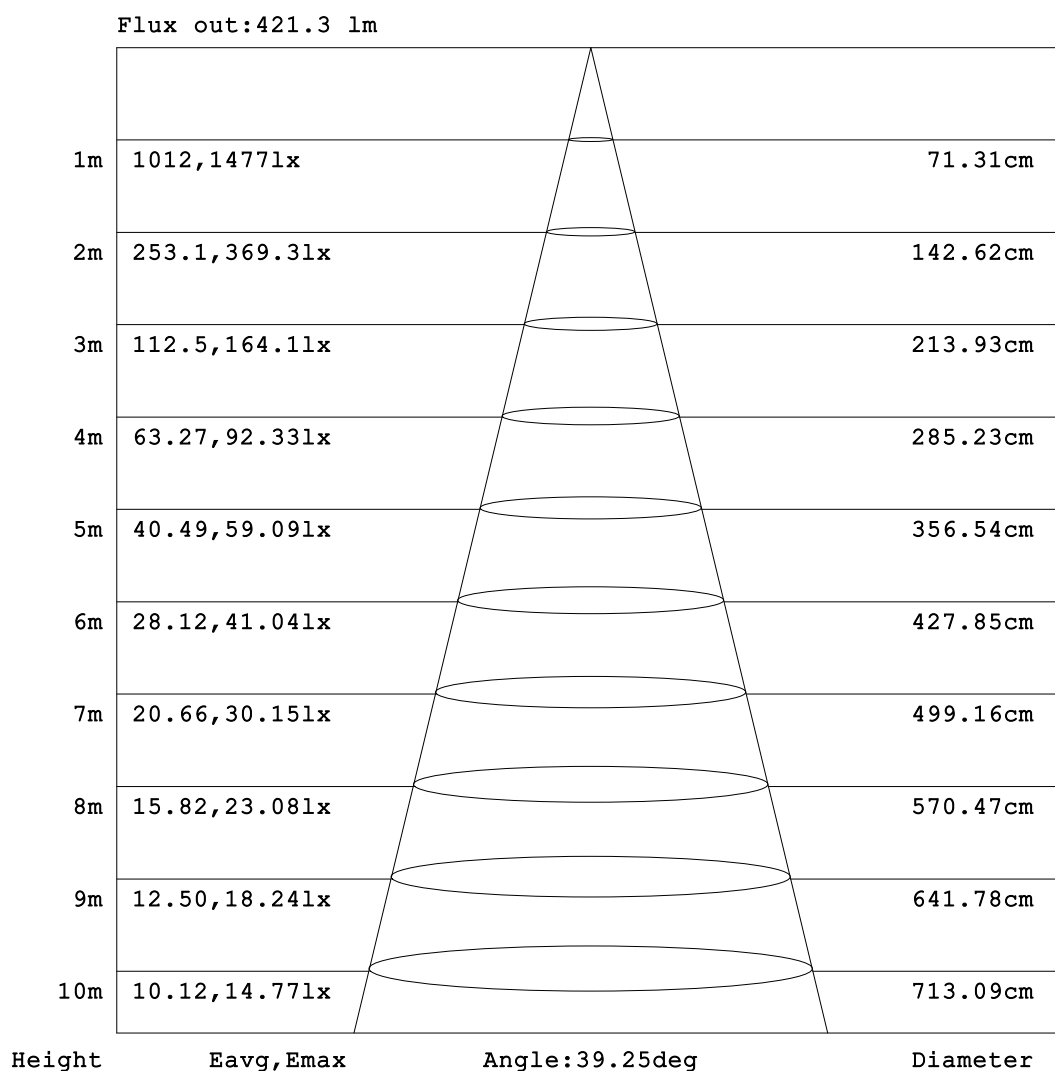


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:



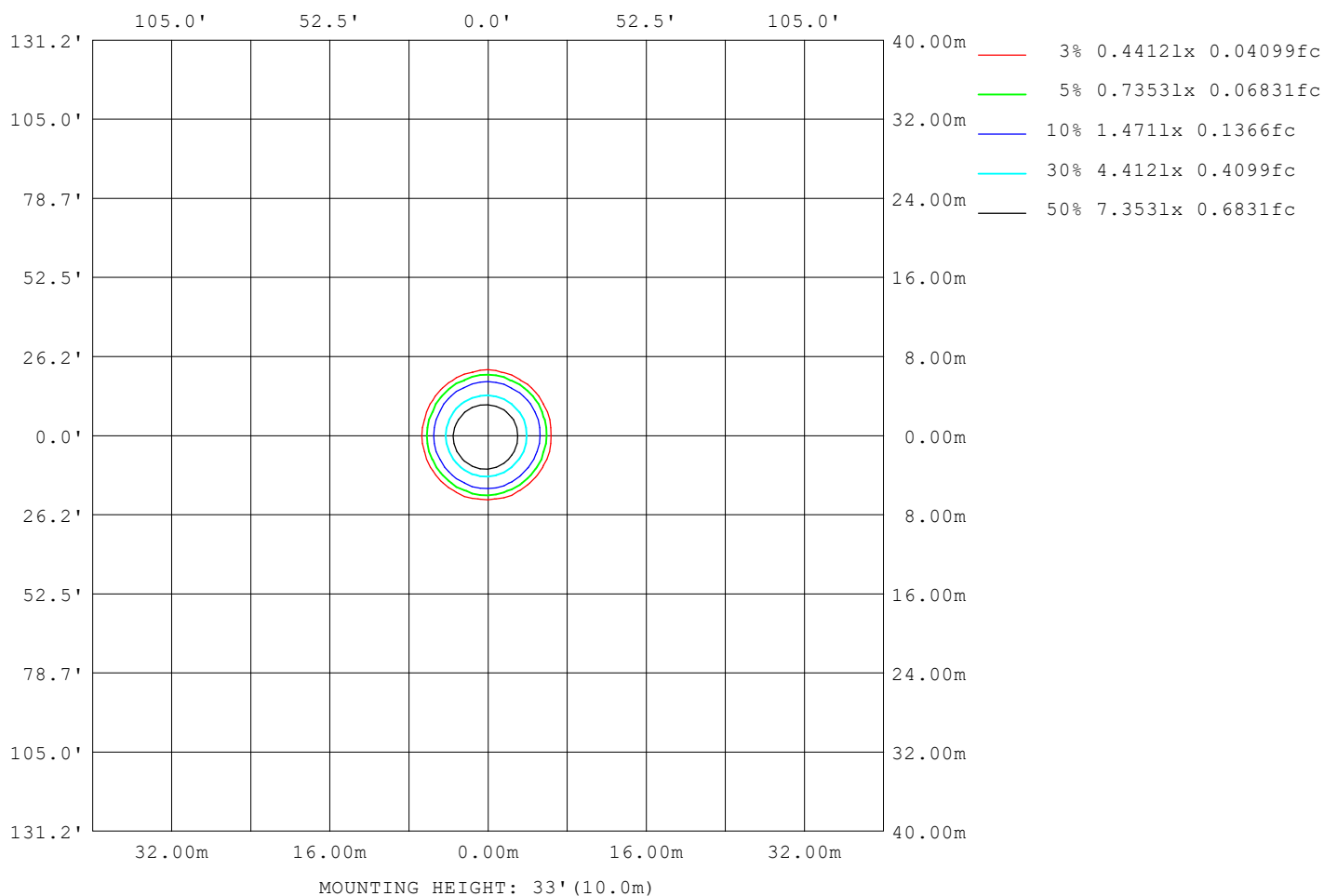
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 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: 001
Test Date: 2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm		
NAME: DL3593 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

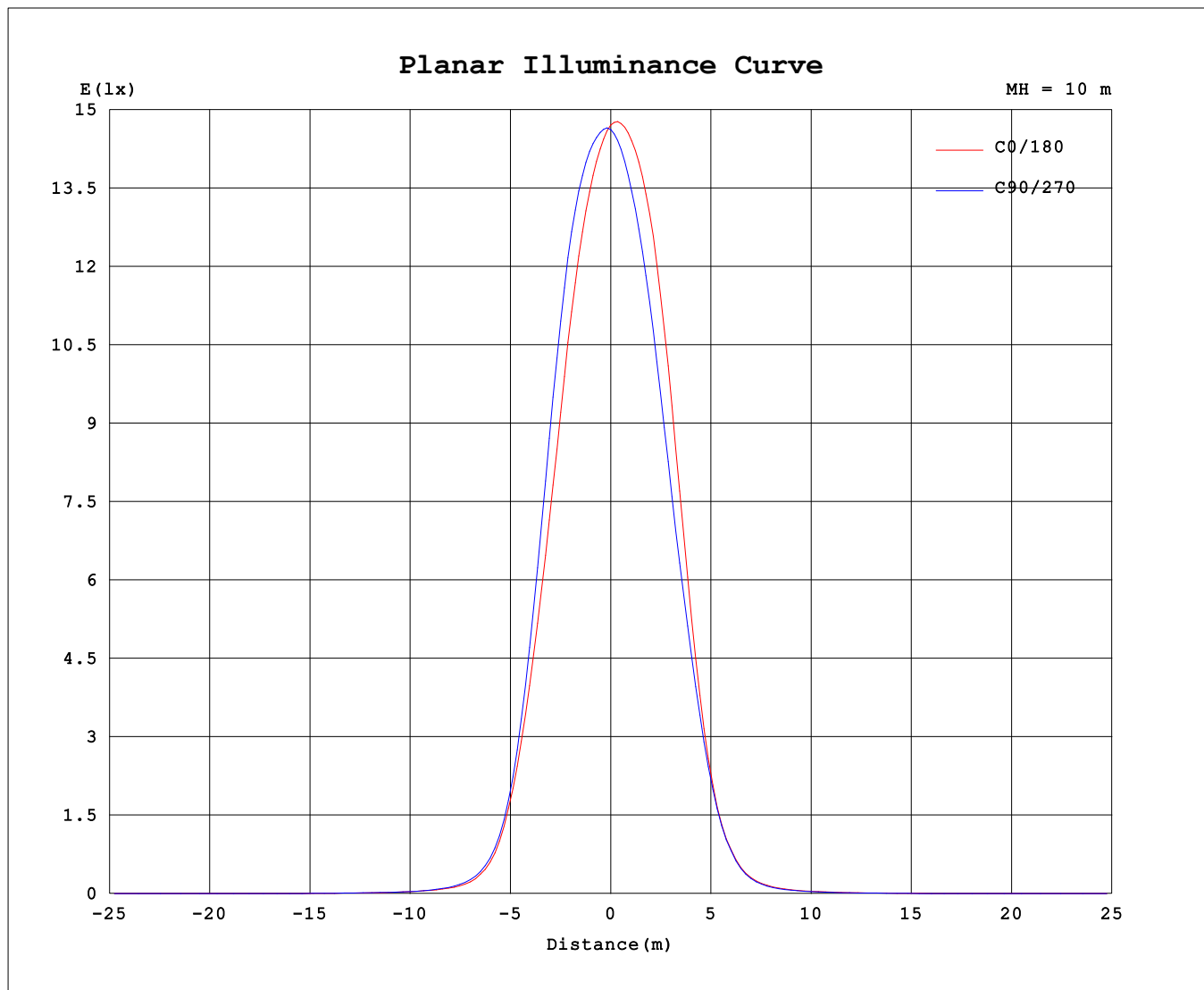
AvgL	cd/m2
L_0~180 (65) av	1285
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	1263
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	1310
L_45 (75) av	0
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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: 001
Test Date: 2023-10-10

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:220.69V I:0.0664A P:7.2711W PF:0.4959 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:652.436x1 lm																	
NAME: DL3593 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	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463			
5	1383	1393	1408	1431	1452	1474	1483	1478	1464	1441	1421	1400	1391	1384	1386	1386			
10	1217	1244	1279	1327	1371	1418	1441	1432	1394	1343	1303	1261	1239	1228	1231	1222			
15	939	971	1015	1083	1138	1205	1237	1232	1193	1134	1087	1027	991	965	964	951			
20	621	633	656	708	752	804	821	833	825	787	761	712	690	662	653	642			
25	326	322	328	351	370	394	400	415	422	414	419	392	390	372	366	356			
30	120	121	121	132	135	148	149	159	161	158	165	156	159	148	148	136			
35	41.6	43.8	44.3	46.8	49.2	53.0	54.5	56.1	55.9	54.1	56.5	53.7	53.0	49.2	47.2	44.1			
40	19.5	20.6	20.2	21.0	22.2	23.6	23.8	24.2	24.0	23.1	22.8	21.9	21.6	20.5	19.9	19.5			
45	11.4	11.9	11.1	11.3	11.8	12.5	12.5	12.8	12.9	12.4	11.6	11.1	11.1	10.7	10.5	10.6			
50	6.81	7.33	7.34	7.47	7.75	8.05	8.01	8.05	8.11	7.75	7.32	7.04	6.89	6.69	6.47	6.49			
55	3.89	4.25	4.28	4.36	4.47	4.66	4.60	4.68	4.80	4.62	4.49	4.35	4.23	4.05	3.91	3.80			
60	1.38	1.59	1.56	1.53	1.53	1.63	1.60	1.70	1.81	1.76	1.83	1.76	1.71	1.58	1.47	1.35			
65	0.58	0.67	0.67	0.61	0.62	0.64	0.67	0.69	0.73	0.74	0.73	0.73	0.66	0.63	0.58	0.57			
70	0.04	0.03	0.04	0.03	0.10	0.10	0.11	0.12	0.17	0.21	0.22	0.20	0.16	0.13	0.11	0.09			
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	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.01	0.03	0.01	0.03	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
110	0.03	0.05	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.00	0.02	0.00	0.02	0.00	0.03	0.00			
115	0.05	0.07	0.04	0.07	0.04	0.06	0.04	0.06	0.05	0.02	0.05	0.03	0.06	0.04	0.06	0.04			
120	0.08	0.11	0.08	0.10	0.07	0.10	0.07	0.09	0.13	0.11	0.13	0.12	0.15	0.13	0.16	0.14			
125	0.16	0.18	0.15	0.18	0.15	0.17	0.14	0.16	0.30	0.28	0.30	0.30	0.34	0.35	0.38	0.37			
130	0.33	0.35	0.32	0.33	0.30	0.31	0.28	0.30	0.59	0.58	0.60	0.63	0.68	0.71	0.74	0.74			
135	0.65	0.65	0.61	0.61	0.57	0.57	0.54	0.54	1.00	1.00	1.04	1.08	1.15	1.20	1.24	1.24			
140	1.10	1.08	1.03	1.00	0.95	0.94	0.90	0.90	1.53	1.54	1.58	1.64	1.72	1.78	1.82	1.83			
145	1.65	1.61	1.55	1.51	1.46	1.42	1.39	1.38	2.13	2.15	2.20	2.26	2.34	2.39	2.44	2.45			
150	2.23	2.19	2.12	2.07	2.02	1.97	1.94	1.94	2.75	2.78	2.83	2.89	2.95	2.99	3.02	3.03			
155	2.75	2.72	2.66	2.63	2.57	2.52	2.49	2.50	3.32	3.32	3.37	3.41	3.45	3.46	3.47	3.47			
160	3.10	3.10	3.05	3.07	3.02	3.00	2.95	2.99	3.71	3.70	3.73	3.74	3.76	3.72	3.67	3.68			
165	3.27	3.30	3.30	3.35	3.32	3.32	3.28	3.32	3.82	3.83	3.80	3.82	3.80	3.74	3.68	3.71			
170	3.37	3.42	3.45	3.52	3.49	3.51	3.49	3.52	3.81	3.82	3.78	3.76	3.70	3.67	3.63	3.63			
175	3.51	3.57	3.60	3.62	3.58	3.62	3.63	3.64	3.74	3.79	3.77	3.71	3.67	3.65	3.65	3.59			
180	3.70	3.71	3.74	3.71	3.68	3.69	3.70	3.68	3.73	3.73	3.75	3.71	3.70	3.67	3.70	3.66			

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C Interval: 22.5DEG

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