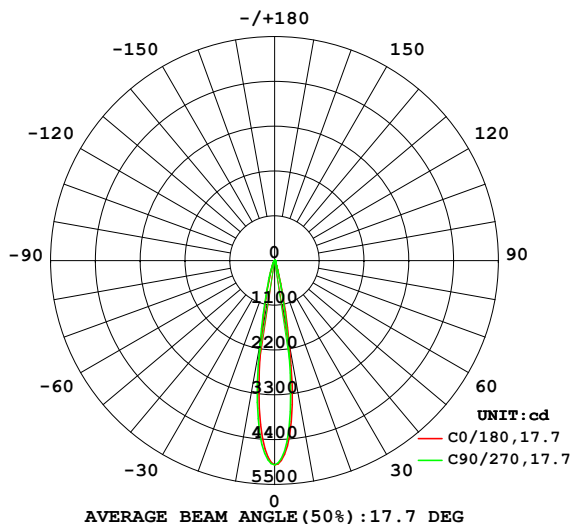


LUMINAIRE PHOTOMETRIC TEST REPORT

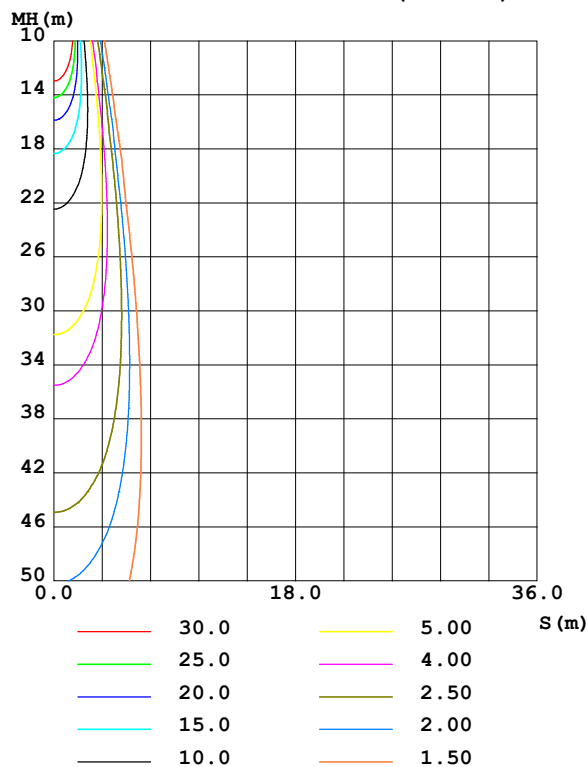
Test:U:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.81 lm/W			
MODEL	DL3593 3000K 15D	I _{max} (cd)	5015	S/MH(C0/180)	0.29
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.30
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	623.16	η UP,DN(C0-180)	0.3,46.9
NOMINAL FLUX(lm)	623.159	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,52.4
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: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	2124	2016	1833	1742	1832	1957	2118	2194	0- 10	324.9	324.9	52.1,52.1
20	202.8	180.1	180.6	204.8	269.0	318.7	311.7	261.2	10- 20	196.6	521.5	83.7,83.7
30	55.90	51.51	50.36	55.74	70.28	80.69	76.71	65.51	20- 30	57.35	578.8	92.9,92.9
40	20.30	18.91	18.62	21.14	23.95	26.65	25.72	22.53	30- 40	23.72	602.5	96.7,96.7
50	8.001	7.388	7.164	8.183	8.915	9.763	9.642	8.640	40- 50	10.71	613.3	98.4,98.4
60	1.984	1.750	1.501	1.727	1.676	1.885	2.052	1.970	50- 60	4.232	617.5	99.1,99.1
70	0.3501	0.1973	0.1244	0.1957	0.0626	0.1485	0.3552	0.2696	60- 70	0.9829	618.5	99.2,99.2
80	0	0	0	0	0	0	0	0	70- 80	0.0192	618.5	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	0	618.5	99.3,99.3
100	0	0	0	0	0	0	0	0	90-100	0.0000	618.5	99.3,99.3
110	0.0270	0.0271	0.0318	0.0250	0.0226	0.0182	0.0182	0.0183	100-110	0.0083	618.5	99.3,99.3
120	0.1220	0.1270	0.1252	0.1208	0.0770	0.0705	0.0707	0.0799	110-120	0.0581	618.6	99.3,99.3
130	0.1989	0.2110	0.1958	0.1778	0.2607	0.2321	0.2328	0.2606	120-130	0.1331	618.7	99.3,99.3
140	0.5261	0.5780	0.5708	0.5054	1.371	1.299	1.257	1.289	130-140	0.3635	619.1	99.3,99.3
150	2.129	2.212	2.246	2.188	3.361	3.278	3.252	3.298	140-150	1.099	620.2	99.5,99.5
160	3.820	3.839	3.890	3.840	4.210	4.171	4.176	4.142	150-160	1.598	621.8	99.8,99.8
170	3.442	3.394	3.448	3.480	3.611	3.654	3.647	3.484	160-170	1.121	622.9	100,100
180	2.341	2.391	2.326	2.365	2.346	2.382	2.326	2.354	170-180	0.2876	623.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 608.92 lm

%lum = 97.7%

%lamp = 97.7%

Conical surface Flux(130deg): 618.16 lm

%lum = 99.2%

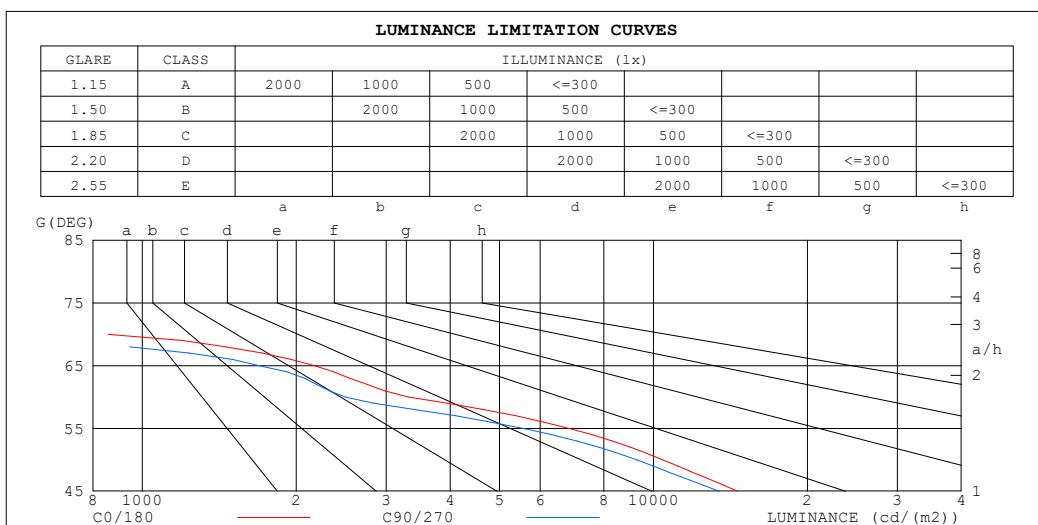
%lamp = 99.2%

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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	858	303
65	2174	1694
60	3324	2498
55	6847	5568
50	10429	9273
45	14620	13437

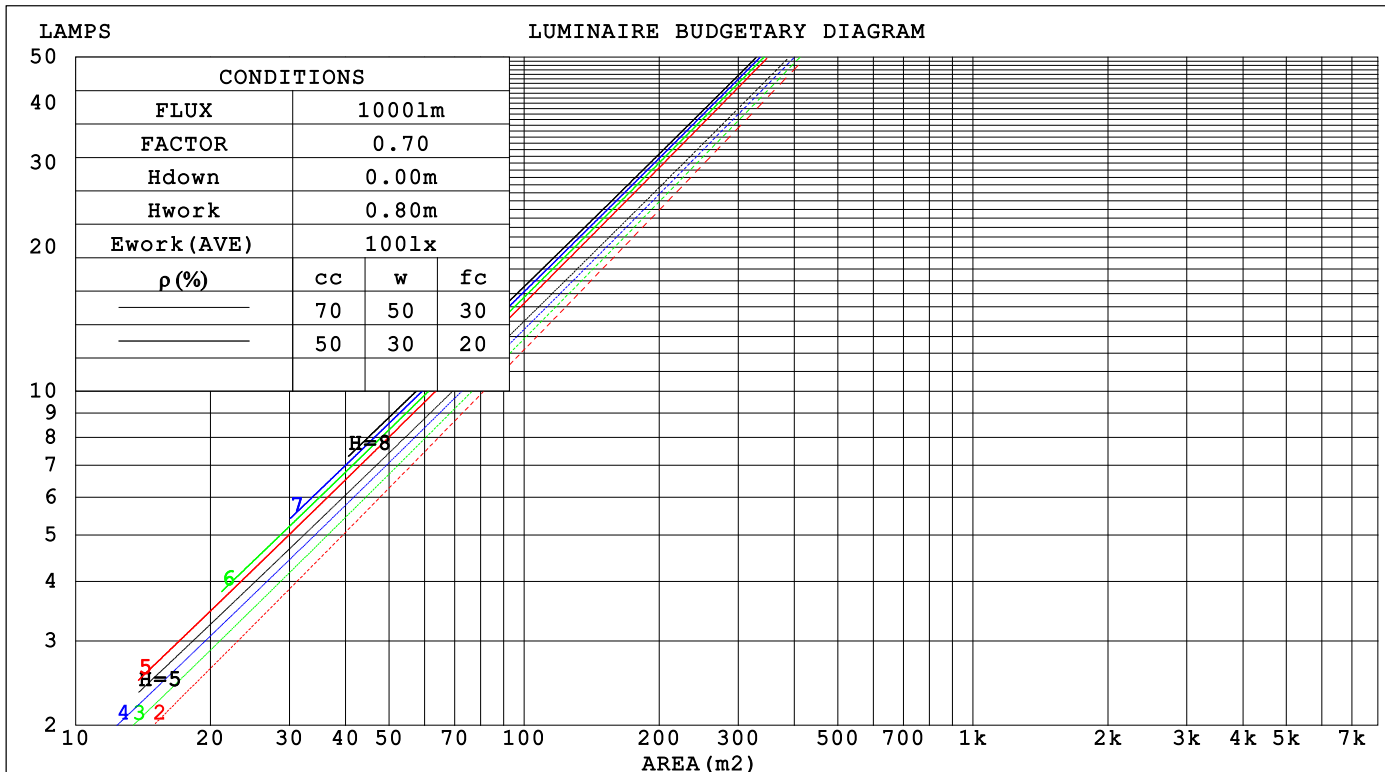
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.90	.99	.98	.97
2.0	1.08	1.06	1.03	1.07	1.04	1.02	1.03	1.01	.90	1.01	.99	.98	.98	.97	.95	.94
3.0	1.04	1.01	.98	1.03	.90	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92
4.0	1.01	.97	.94	.90	.96	.94	.98	.95	.93	.96	.93	.92	.94	.92	.91	.89
5.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.94	.91	.89	.92	.90	.88	.87
6.0	.95	.91	.88	.94	.91	.88	.93	.90	.88	.92	.89	.87	.90	.88	.86	.85
7.0	.92	.89	.86	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.84
8.0	.90	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.85	.83	.82
9.0	.88	.85	.82	.88	.84	.82	.87	.84	.82	.86	.83	.81	.85	.83	.81	.80
10.0	.86	.83	.80	.86	.83	.80	.85	.82	.80	.85	.82	.80	.84	.82	.80	.79



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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D			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	.128	.073	.023	.121	.069	.022	.108	.062	.020	.097	.056	.018	.086	.050	.016		
2.0	.118	.065	.020	.112	.062	.019	.102	.057	.018	.092	.052	.016	.083	.047	.015		
3.0	.109	.058	.017	.105	.056	.017	.096	.052	.016	.088	.048	.015	.080	.044	.014		
4.0	.102	.053	.016	.098	.051	.015	.090	.048	.014	.083	.045	.014	.077	.042	.013		
5.0	.095	.048	.014	.092	.047	.014	.085	.045	.013	.080	.042	.012	.074	.040	.012		
6.0	.089	.045	.013	.087	.044	.013	.081	.042	.012	.076	.040	.012	.071	.038	.011		
7.0	.084	.042	.012	.082	.041	.012	.077	.039	.011	.073	.037	.011	.069	.036	.010		
8.0	.080	.039	.011	.078	.038	.011	.074	.037	.011	.070	.035	.010	.066	.034	.010		
9.0	.076	.037	.010	.074	.036	.010	.070	.035	.010	.067	.034	.010	.064	.032	.009		
10.0	.072	.035	.010	.071	.034	.010	.067	.033	.009	.064	.032	.009	.062	.031	.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	.102	.097	.092	.058	.056	.053	.019	.018	.017		
2.0	.155	.139	.125	.133	.119	.108	.091	.083	.075	.052	.048	.044	.017	.016	.014		
3.0	.139	.119	.103	.119	.103	.089	.082	.071	.063	.047	.042	.037	.015	.014	.012		
4.0	.126	.104	.086	.108	.089	.075	.075	.062	.053	.043	.037	.031	.014	.012	.010		
5.0	.115	.091	.073	.099	.079	.064	.068	.055	.045	.040	.032	.027	.013	.011	.009		
6.0	.106	.081	.063	.091	.070	.055	.063	.049	.039	.036	.029	.023	.012	.009	.008		
7.0	.098	.073	.055	.084	.063	.048	.058	.044	.034	.034	.026	.020	.011	.009	.007		
8.0	.091	.066	.048	.079	.057	.042	.054	.040	.030	.032	.024	.018	.010	.008	.006		
9.0	.085	.060	.043	.073	.052	.037	.051	.037	.026	.030	.022	.016	.010	.007	.005		
10.0	.080	.055	.038	.069	.048	.033	.048	.034	.024	.028	.020	.014	.009	.007	.005		

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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm										
NAME: DL3593 3000K 15D					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	13.0	13.6	13.2	13.7	13.9	12.4	13.0	12.6	13.2	13.3
3H	12.9	13.4	13.1	13.6	13.8	12.3	12.9	12.6	13.1	13.3
4H	12.8	13.3	13.1	13.5	13.8	12.3	12.8	12.5	13.0	13.2
6H	12.7	13.2	13.0	13.5	13.7	12.2	12.7	12.5	12.9	13.1
8H	12.7	13.2	13.0	13.4	13.7	12.1	12.6	12.4	12.9	13.1
12H	12.6	13.1	12.9	13.4	13.6	12.1	12.5	12.4	12.8	13.1
4H 2H	12.8	13.4	13.1	13.6	13.8	12.3	12.9	12.6	13.1	13.3
3H	12.7	13.2	13.0	13.5	13.7	12.2	12.7	12.5	12.9	13.2
4H	12.6	13.1	13.0	13.4	13.7	12.1	12.5	12.4	12.8	13.1
6H	12.5	12.9	12.9	13.2	13.6	12.0	12.4	12.4	12.7	13.1
8H	12.5	12.8	12.9	13.2	13.6	11.9	12.3	12.3	12.6	13.0
12H	12.4	12.7	12.8	13.1	13.5	11.9	12.2	12.3	12.6	13.0
8H 4H	12.5	12.8	12.9	13.2	13.6	11.9	12.3	12.3	12.6	13.0
6H	12.3	12.6	12.8	13.0	13.5	11.8	12.1	12.2	12.5	12.9
8H	12.3	12.5	12.7	13.0	13.4	11.8	12.0	12.2	12.4	12.9
12H	12.2	12.4	12.7	12.9	13.4	11.7	11.9	12.2	12.4	12.8
12H 4H	12.4	12.7	12.8	13.1	13.5	11.9	12.2	12.3	12.6	13.0
6H	12.3	12.5	12.7	13.0	13.4	11.8	12.0	12.2	12.4	12.9
8H	12.2	12.4	12.7	12.9	13.4	11.7	11.9	12.2	12.4	12.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.3 / - 4.9					+ 2.3 / - 5.9				
1.5H	+ 3.1 / - 3.2					+ 3.0 / - 3.4				
2.0H	+ 4.0 / - 6.1					+ 4.2 / - 6.2				

CIE Pub.117, 623.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.6)
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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

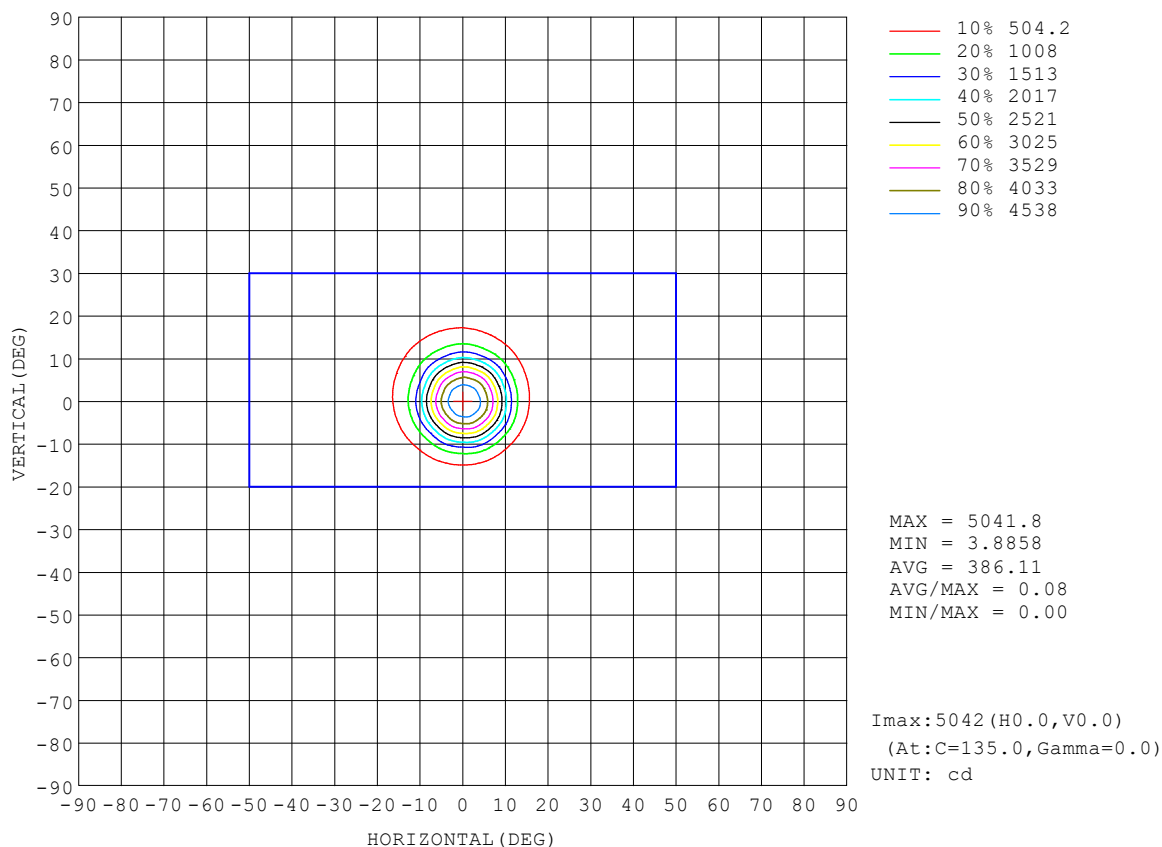
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	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℃
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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

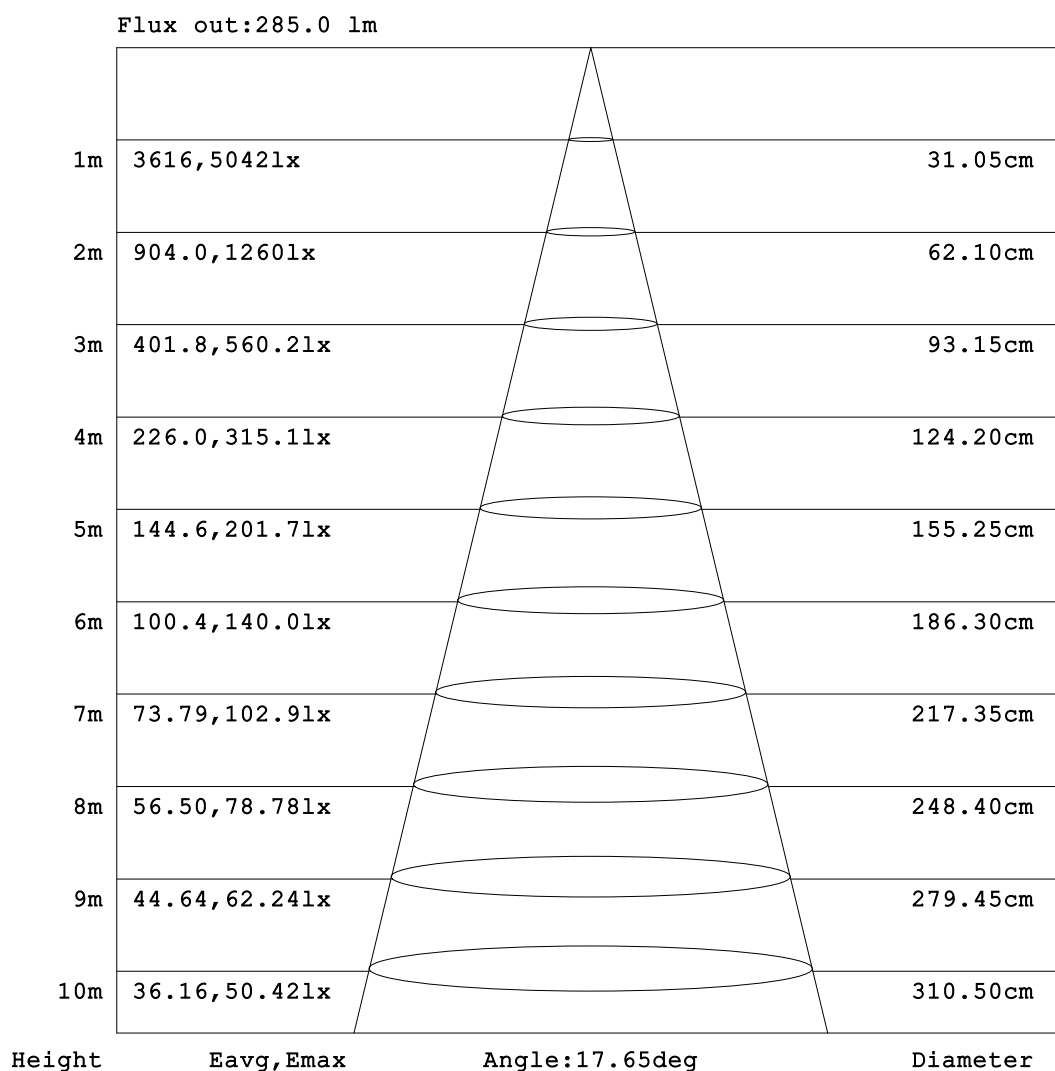


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-10-10

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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:



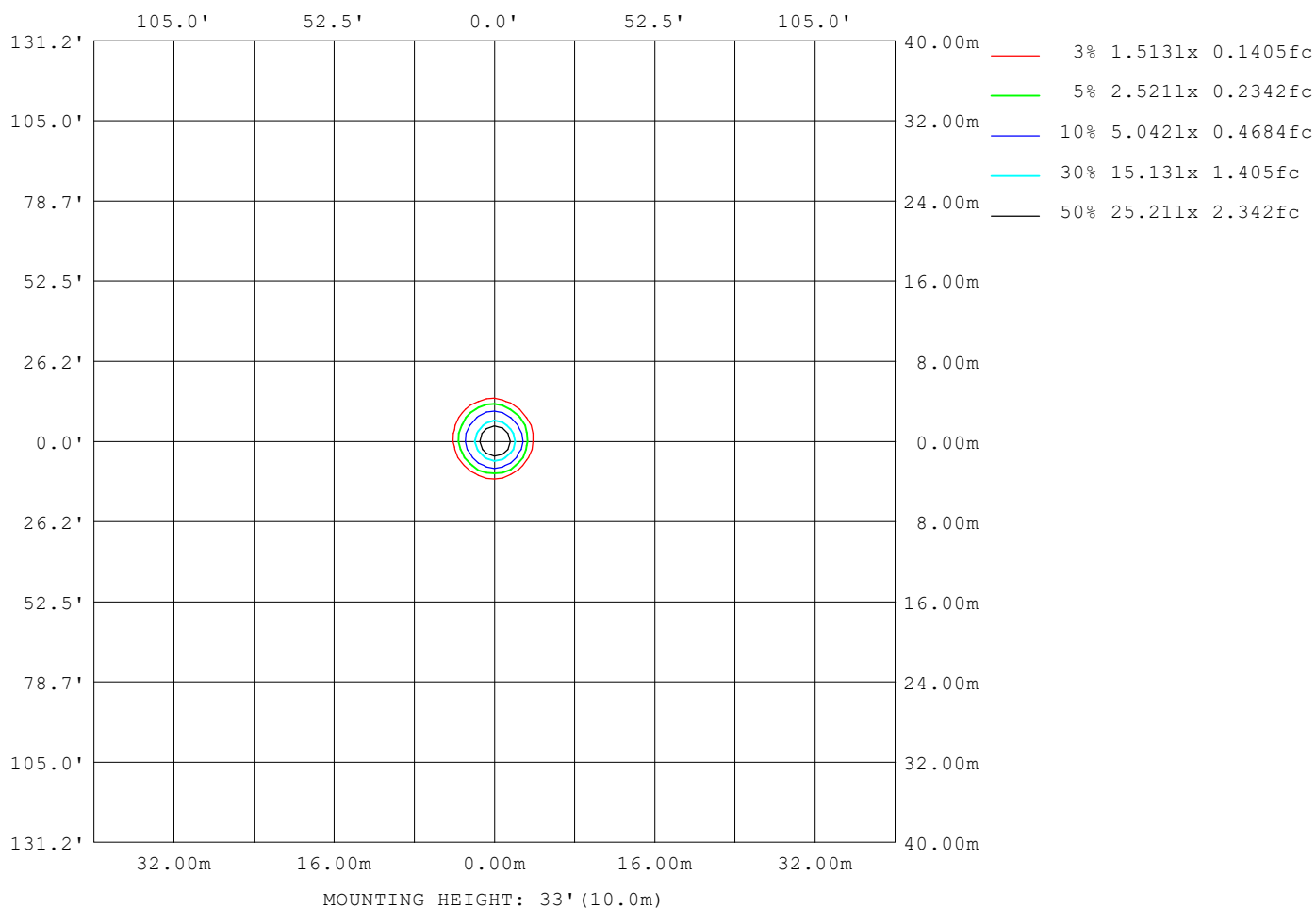
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 40	Shielding Angle:

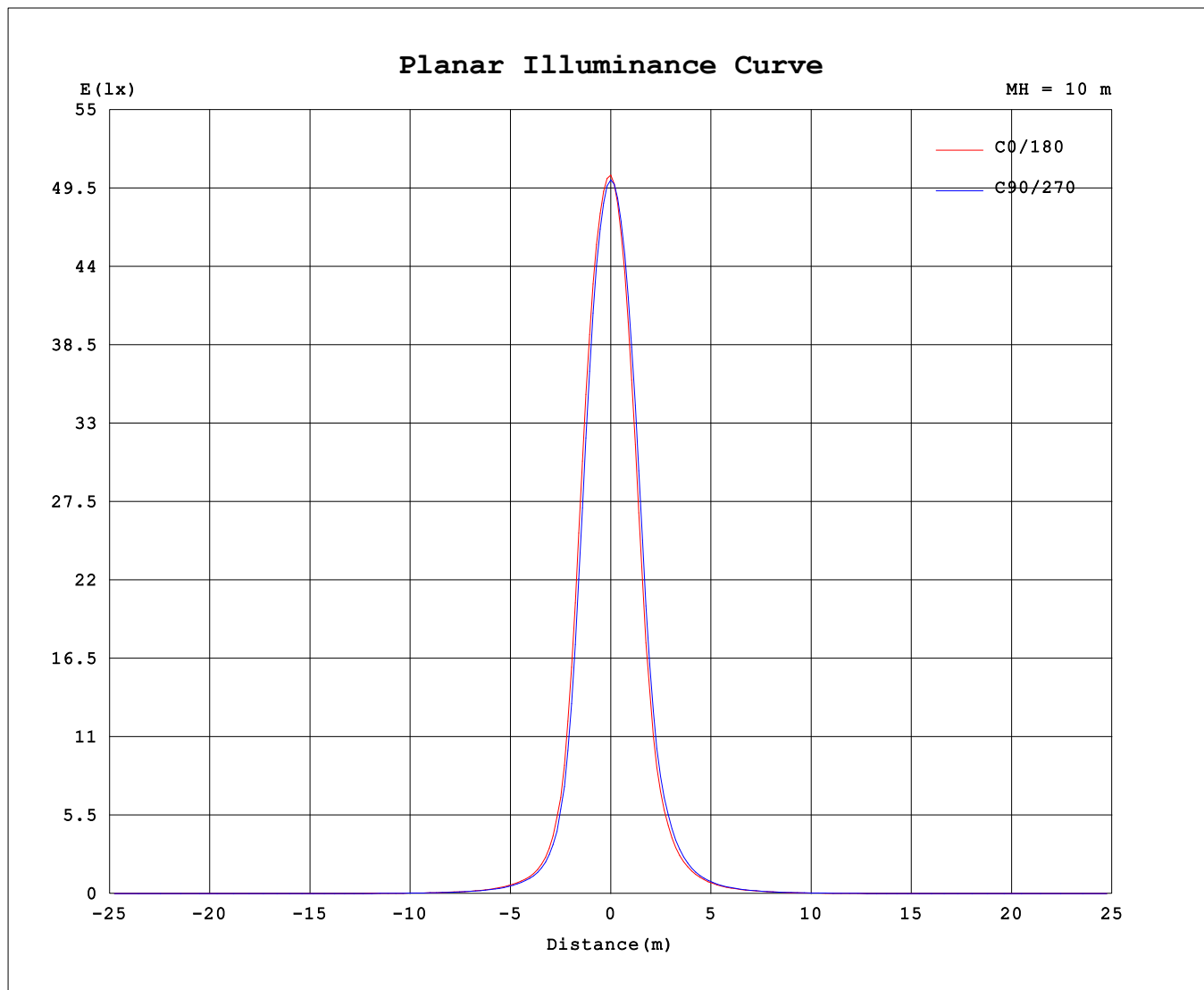
AvgL	cd/m2
L_0~180 (65) av	1929
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	1990
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	2003
L_45 (75) av	0
L_45 (85) av	0

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:220.68V I:0.0669A P:7.2621W PF:0.4919 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:623.159x1 lm		
NAME: DL3593 3000K 15D	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	5015	5015	5015	5015	5015	5015	5015	5015	5015	5015	5015	5015	5015	5015	5015	5015			
5	4303	4316	4244	4228	4126	4100	4024	4040	4035	4016	4103	4139	4241	4259	4324	4303			
10	2124	2143	2016	1977	1833	1819	1742	1804	1832	1828	1957	1985	2118	2108	2194	2130			
15	594	546	505	505	488	508	527	590	646	681	733	736	748	700	686	638			
20	203	190	180	181	181	191	205	237	269	293	319	322	312	281	261	228			
25	103	99.5	95.1	94.8	92.3	95.7	102	117	133	142	154	152	148	132	123	111			
30	55.9	54.0	51.5	51.2	50.4	52.2	55.7	63.4	70.3	75.2	80.7	79.9	76.7	70.4	65.5	59.9			
35	32.0	31.1	29.7	29.6	29.5	31.2	33.5	37.1	40.2	42.6	45.0	44.6	42.6	38.7	36.3	33.7			
40	20.3	20.0	18.9	18.7	18.6	19.9	21.1	22.7	23.9	25.2	26.7	26.3	25.7	23.8	22.5	21.1			
45	12.3	12.2	11.5	11.4	11.4	12.3	13.0	13.8	14.3	14.9	15.7	15.6	15.4	14.4	13.6	12.7			
50	8.00	7.89	7.39	7.21	7.16	7.70	8.18	8.63	8.92	9.29	9.76	9.75	9.64	9.08	8.64	8.16			
55	4.69	4.64	4.23	4.03	3.84	4.09	4.42	4.65	4.67	4.80	5.16	5.18	5.27	5.04	4.90	4.70			
60	1.98	2.00	1.75	1.65	1.50	1.57	1.73	1.74	1.68	1.75	1.88	1.98	2.05	1.99	1.97	1.89			
65	1.10	1.08	1.00	0.90	0.86	0.89	1.00	0.94	0.86	0.88	1.03	1.13	1.16	1.12	1.02	1.06			
70	0.35	0.34	0.20	0.14	0.12	0.12	0.20	0.10	0.06	0.10	0.15	0.31	0.36	0.26	0.27	0.28			
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	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01			
110	0.03	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00			
115	0.08	0.09	0.07	0.10	0.08	0.10	0.08	0.10	0.05	0.02	0.04	0.01	0.04	0.01	0.04	0.02			
120	0.12	0.15	0.13	0.15	0.13	0.15	0.12	0.14	0.08	0.05	0.07	0.04	0.07	0.05	0.08	0.06			
125	0.16	0.19	0.17	0.19	0.16	0.18	0.15	0.17	0.14	0.11	0.12	0.10	0.12	0.11	0.14	0.13			
130	0.20	0.22	0.21	0.23	0.20	0.21	0.18	0.19	0.26	0.22	0.23	0.21	0.23	0.22	0.26	0.27			
135	0.28	0.32	0.31	0.33	0.29	0.29	0.25	0.25	0.61	0.58	0.56	0.54	0.54	0.55	0.58	0.61			
140	0.53	0.57	0.58	0.59	0.57	0.55	0.51	0.48	1.37	1.35	1.30	1.28	1.26	1.28	1.29	1.35			
145	1.13	1.17	1.21	1.22	1.23	1.19	1.16	1.11	2.41	2.39	2.33	2.32	2.29	2.31	2.32	2.39			
150	2.13	2.15	2.21	2.22	2.25	2.21	2.19	2.12	3.36	3.32	3.28	3.26	3.25	3.27	3.30	3.35			
155	3.16	3.19	3.23	3.25	3.27	3.24	3.21	3.15	3.93	3.89	3.88	3.86	3.87	3.87	3.91	3.92			
160	3.82	3.85	3.84	3.89	3.89	3.89	3.84	3.83	4.21	4.16	4.17	4.15	4.18	4.14	4.14	4.13			
165	3.92	3.88	3.89	3.92	3.98	3.94	3.95	3.93	4.15	4.11	4.13	4.19	4.17	4.13	4.03	4.03			
170	3.44	3.40	3.39	3.42	3.45	3.47	3.48	3.48	3.61	3.66	3.65	3.66	3.65	3.57	3.48	3.47			
175	2.68	2.66	2.68	2.63	2.62	2.65	2.73	2.74	2.80	2.86	2.89	2.85	2.81	2.81	2.76	2.67			
180	2.34	2.34	2.39	2.33	2.33	2.31	2.37	2.30	2.35	2.34	2.38	2.33	2.33	2.31	2.35	2.30			

C Range: 0 - 360DEG

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