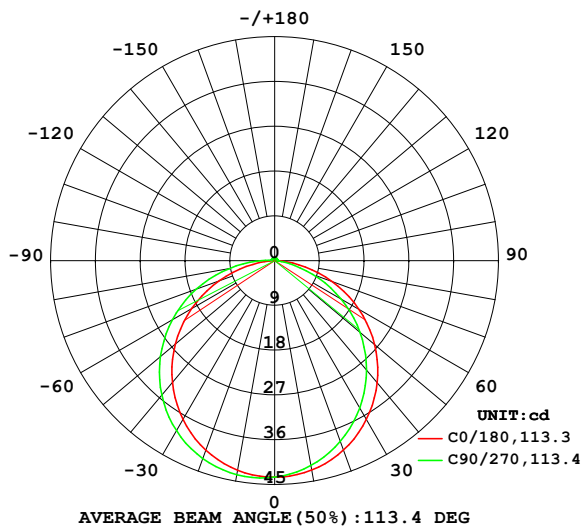


## LUMINAIRE PHOTOMETRIC TEST REPORT

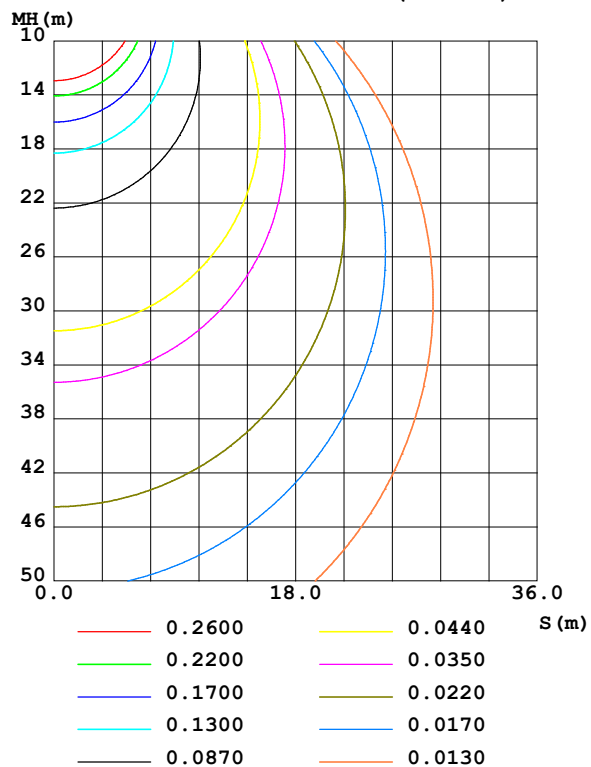
Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 24.31 lm/W			
MODEL		I <sub>max</sub> (cd)	43.80	S/MH(C0/180)	1.26
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	129.79	□ UP,DN(C0-180)	1.2,43.8
NOMINAL FLUX(lm)	1.08157	CIE CLASS	DIRECT	□ UP,DN(C180-360)	1.4,53.6
LAMPS INSIDE	120	□ up (%)	2.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	□ down (%)	97.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	zone	total	%lum, lamp
10	42.75	42.01	41.81	42.19	42.78	43.52	43.68	43.34	0- 10	4.118	4.118	3.17,3.17
20	40.49	39.05	38.64	39.37	40.51	41.98	42.31	41.68	10- 20	11.80	15.92	12.3,12.3
30	36.87	34.81	34.21	35.24	36.86	38.98	39.47	38.56	20- 30	17.90	33.82	26.1,26.1
40	32.06	29.47	28.72	29.97	31.96	34.64	35.29	34.17	30- 40	21.64	55.46	42.7,42.7
50	26.23	23.23	22.40	23.79	26.04	29.16	29.97	28.67	40- 50	22.54	78.00	60.1,60.1
60	19.57	16.30	15.43	16.90	19.26	22.74	23.73	22.25	50- 60	20.49	98.49	75.9,75.9
70	12.27	8.940	8.157	9.536	11.83	15.60	16.71	15.15	60- 70	15.76	114.2	88,88
80	4.933	2.452	2.115	2.855	4.472	8.084	9.265	7.704	70- 80	9.127	123.4	95.1,95.1
90	0.5004	0.6475	0.6370	0.6143	0.3272	1.805	2.714	1.646	80- 90	3.019	126.4	97.4,97.4
100	0.1092	0.5927	0.5823	0.5570	0.1187	0.5449	0.7889	0.6274	90-100	0.7470	127.1	98,98
110	0.1923	0.5642	0.5632	0.5427	0.1687	0.5260	0.7034	0.6284	100-110	0.5473	127.7	98.4,98.4
120	0.2731	0.5545	0.5182	0.4928	0.2447	0.4879	0.6749	0.6165	110-120	0.5046	128.2	98.8,98.8
130	0.3514	0.5784	0.5085	0.5141	0.3207	0.4845	0.6488	0.5879	120-130	0.4485	128.6	99.1,99.1
140	0.4132	0.5688	0.5418	0.5237	0.3824	0.4912	0.6582	0.5259	130-140	0.3917	129.0	99.4,99.4
150	0.4678	0.5546	0.5475	0.4714	0.4371	0.4640	0.6036	0.4713	140-150	0.3168	129.3	99.7,99.7
160	0.5177	0.5522	0.5515	0.5165	0.4988	0.4642	0.5275	0.4904	150-160	0.2337	129.6	99.8,99.8
170	0.5723	0.5783	0.5656	0.5570	0.5606	0.5261	0.5182	0.5380	160-170	0.1498	129.7	100,100
180	0.6104	0.5998	0.5894	0.5975	0.6128	0.5998	0.5918	0.5975	170-180	0.0544	129.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 69.063 lm

%lum = 53.2%

%lamp = 53.2%

Conical surface Flux(120deg): 98.49 lm

%lum = 75.9%

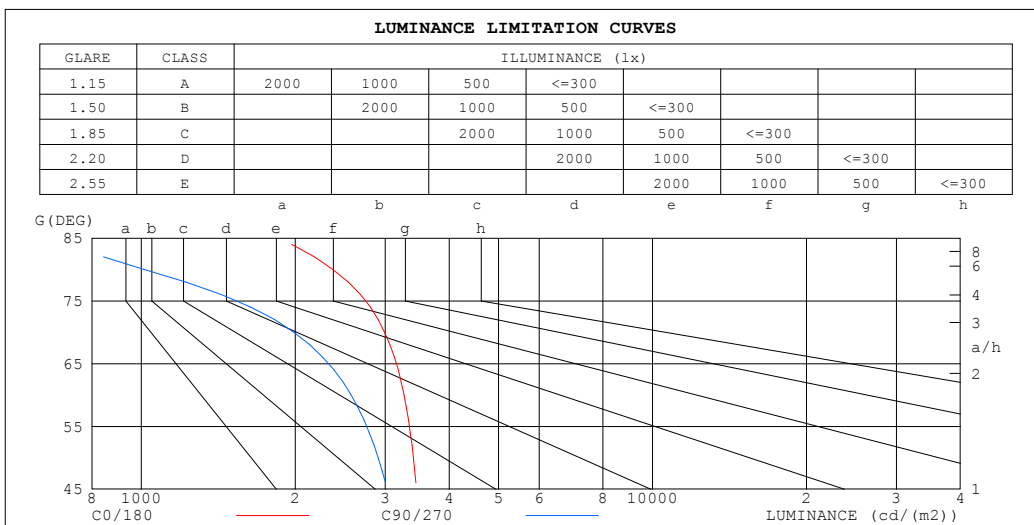
%lamp = 75.9%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2363	896
80	2370	1016
75	2988	1744
70	2992	1989
65	3300	2471
60	3267	2573
55	3442	2861
50	3405	2906
45	3521	3100

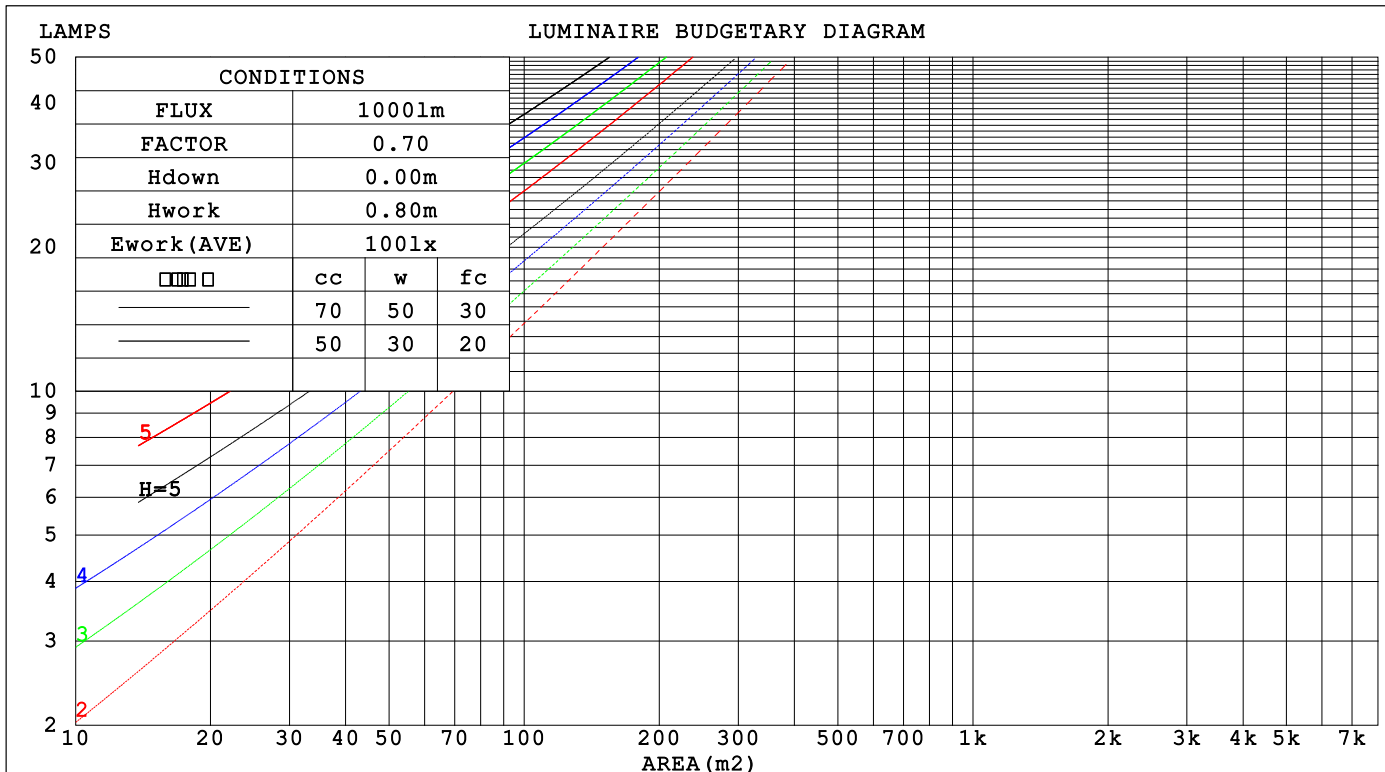
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0														
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
□fc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97														
1.0	1.03	.99	.95	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81														
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67														
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56														
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48														
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41														
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36														
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.39	.34	.44	.39	.34	.32														
8.0	.46	.37	.32	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28														
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26														
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23														



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients(WEC)			
0.0						
1.0	.315 .179 .057	.307 .175 .056	.293 .168 .054	.279 .161 .052	.266 .154 .050	
2.0	.294 .161 .049	.287 .158 .049	.274 .153 .047	.262 .147 .046	.251 .142 .045	
3.0	.272 .145 .043	.265 .142 .043	.254 .137 .042	.243 .133 .041	.233 .129 .040	
4.0	.250 .130 .038	.245 .128 .038	.234 .124 .037	.225 .121 .036	.216 .117 .036	
5.0	.231 .118 .034	.226 .116 .034	.217 .113 .033	.208 .110 .033	.200 .107 .032	
6.0	.214 .107 .031	.210 .106 .030	.201 .103 .030	.194 .101 .030	.186 .098 .029	
7.0	.199 .098 .028	.195 .097 .028	.188 .095 .027	.181 .093 .027	.174 .090 .027	
8.0	.186 .091 .026	.182 .090 .025	.176 .088 .025	.169 .086 .025	.163 .084 .024	
9.0	.174 .084 .024	.171 .083 .023	.165 .081 .023	.159 .080 .023	.154 .078 .023	
10.0	.164 .078 .022	.161 .078 .022	.155 .076 .021	.150 .074 .021	.145 .073 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Ceiling Cavity Exitance Coefficients(CCEC)			
0.0	.210 .210 .210	.180 .180 .180	.123 .123 .123	.071 .071 .071	.023 .023 .023	
1.0	.201 .176 .154	.172 .151 .133	.117 .104 .092	.068 .060 .053	.022 .019 .017	
2.0	.193 .152 .118	.165 .131 .102	.113 .091 .071	.065 .053 .042	.021 .017 .014	
3.0	.185 .135 .094	.159 .116 .082	.109 .081 .057	.063 .047 .034	.020 .015 .011	
4.0	.178 .121 .079	.152 .105 .068	.105 .073 .048	.061 .043 .028	.019 .014 .009	
5.0	.170 .111 .068	.146 .096 .059	.101 .067 .042	.058 .039 .025	.019 .013 .008	
6.0	.163 .103 .060	.140 .089 .052	.097 .062 .037	.056 .037 .022	.018 .012 .007	
7.0	.156 .096 .054	.134 .083 .047	.093 .058 .033	.054 .034 .020	.017 .011 .007	
8.0	.150 .090 .049	.129 .078 .043	.089 .055 .031	.052 .032 .018	.017 .011 .006	
9.0	.144 .085 .046	.124 .074 .040	.086 .052 .028	.050 .031 .017	.016 .010 .006	
10.0	.138 .081 .043	.119 .070 .038	.082 .049 .027	.048 .029 .016	.016 .010 .005	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm										
NAME: NS-TW1220-2200K					TYPE:			WEIGHT:		
SPEC.:					DIM.: 1*0.012*0.02MM			SERIAL No.:		
MFR.:					SUR.: 0.012*1			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	23.6	25.1	23.9	25.3	25.6	22.7	24.2	23.0	24.5	24.7
3H	25.1	26.5	25.5	26.8	27.1	23.8	25.2	24.2	25.5	25.8
4H	25.7	27.0	26.1	27.3	27.6	24.1	25.4	24.5	25.7	26.0
6H	26.1	27.3	26.5	27.7	28.0	24.2	25.5	24.6	25.8	26.1
8H	26.2	27.4	26.6	27.7	28.1	24.2	25.4	24.6	25.7	26.1
12H	26.3	27.4	26.6	27.7	28.1	24.2	25.3	24.6	25.7	26.0
4H 2H	24.0	25.3	24.4	25.6	25.9	23.3	24.6	23.6	24.9	25.2
3H	25.7	26.8	26.0	27.1	27.5	24.5	25.7	24.9	26.0	26.4
4H	26.3	27.4	26.8	27.8	28.1	24.9	26.0	25.3	26.3	26.7
6H	26.8	27.7	27.3	28.1	28.6	25.1	26.0	25.5	26.4	26.8
8H	27.0	27.8	27.4	28.2	28.7	25.1	25.9	25.5	26.4	26.8
12H	27.0	27.8	27.5	28.3	28.7	25.1	25.9	25.5	26.3	26.8
8H 4H	26.4	27.3	26.8	27.7	28.1	25.1	25.9	25.5	26.4	26.8
6H	26.9	27.7	27.4	28.1	28.6	25.3	26.0	25.8	26.5	27.0
8H	27.1	27.8	27.6	28.2	28.8	25.3	26.0	25.8	26.4	27.0
12H	27.3	27.8	27.8	28.3	28.8	25.4	25.9	25.9	26.4	26.9
12H 4H	26.4	27.2	26.8	27.6	28.1	25.1	25.9	25.5	26.3	26.8
6H	26.9	27.6	27.4	28.0	28.5	25.3	25.9	25.8	26.4	26.9
8H	27.1	27.7	27.6	28.2	28.7	25.4	25.9	25.9	26.4	26.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117, 129.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.1)  
Area: 0.012 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

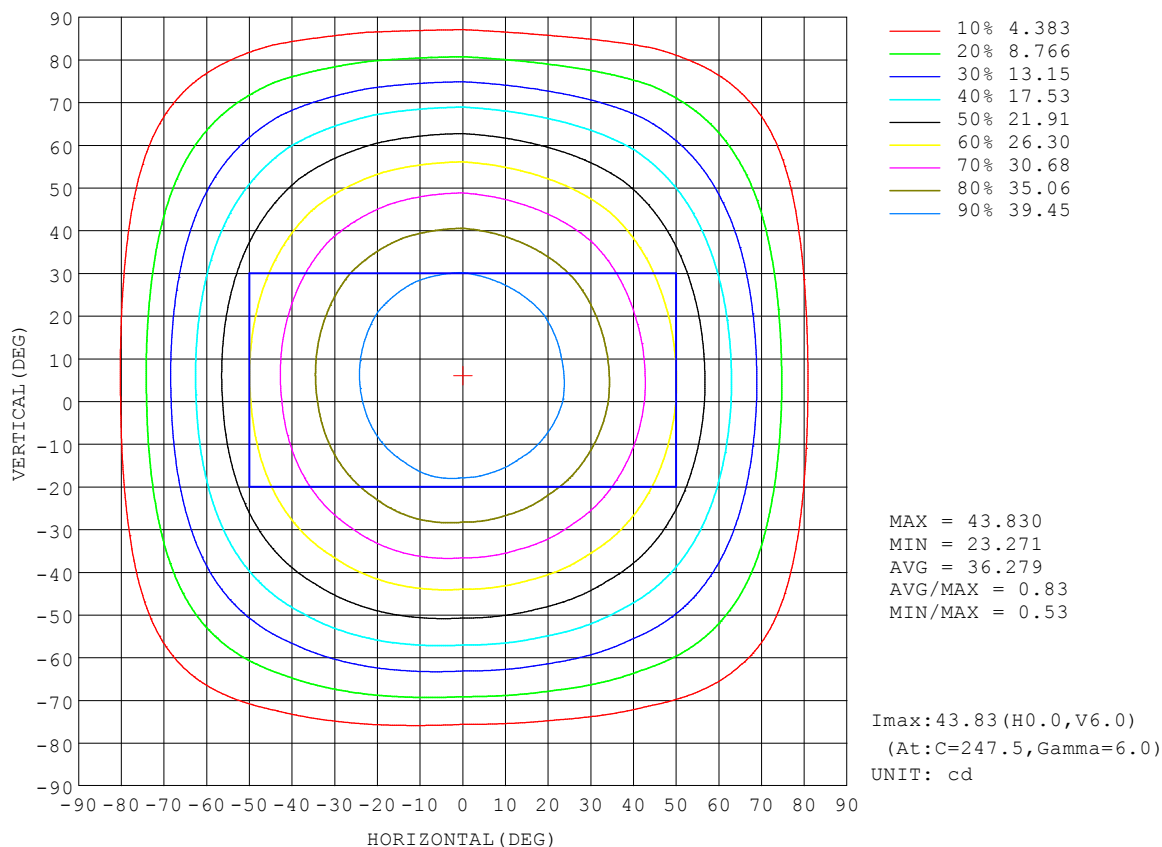
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	96	93	83
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:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



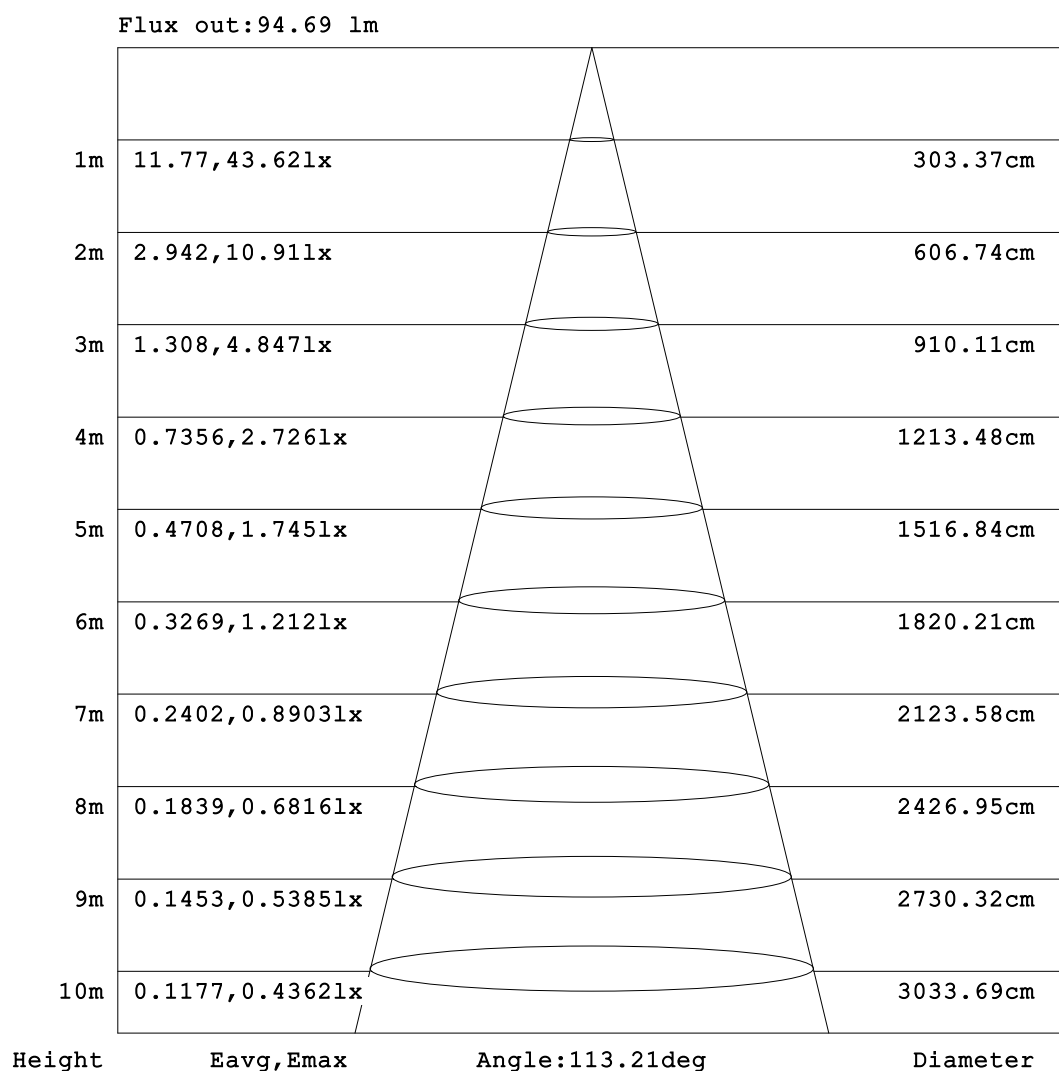
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



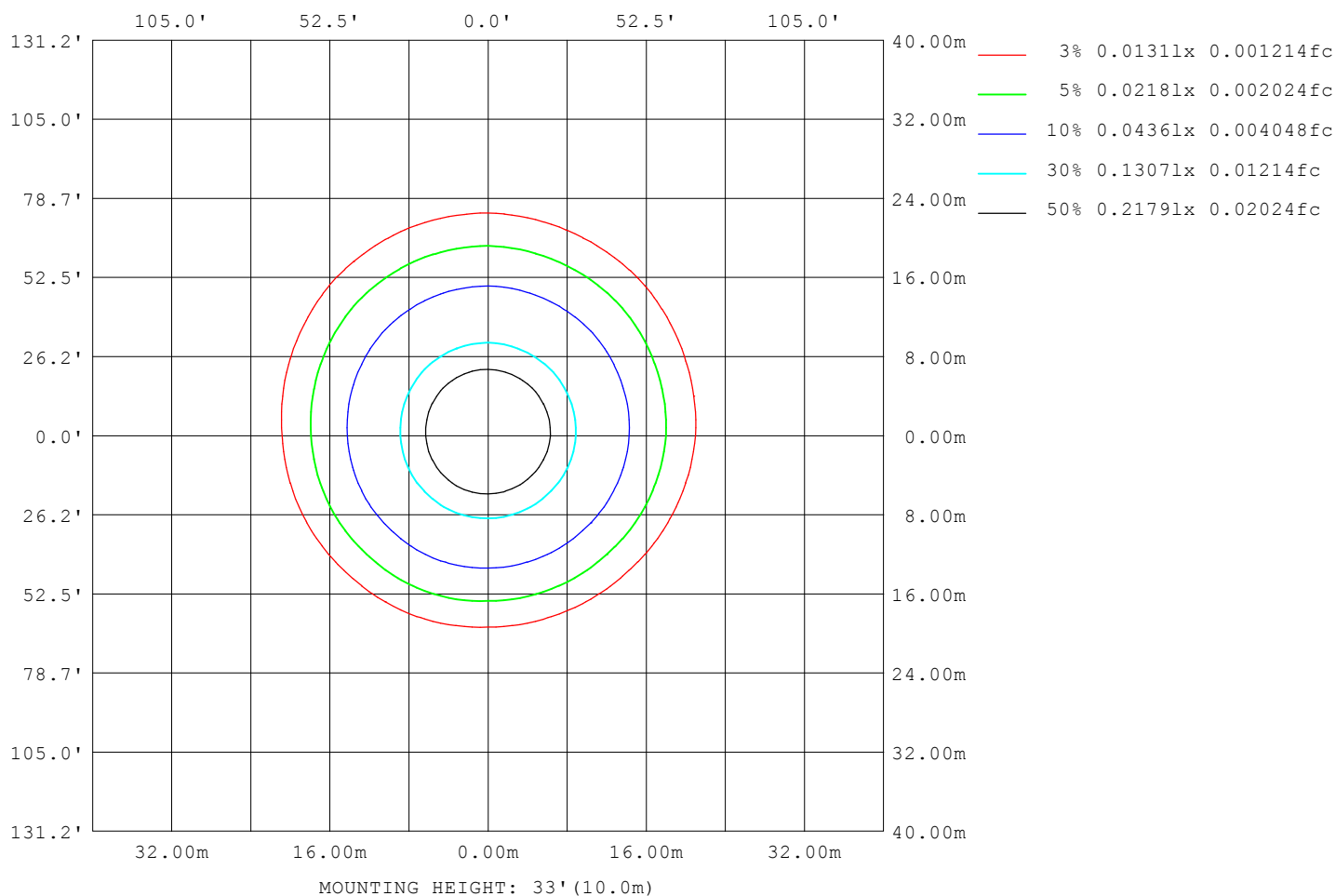
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YSL  
 Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

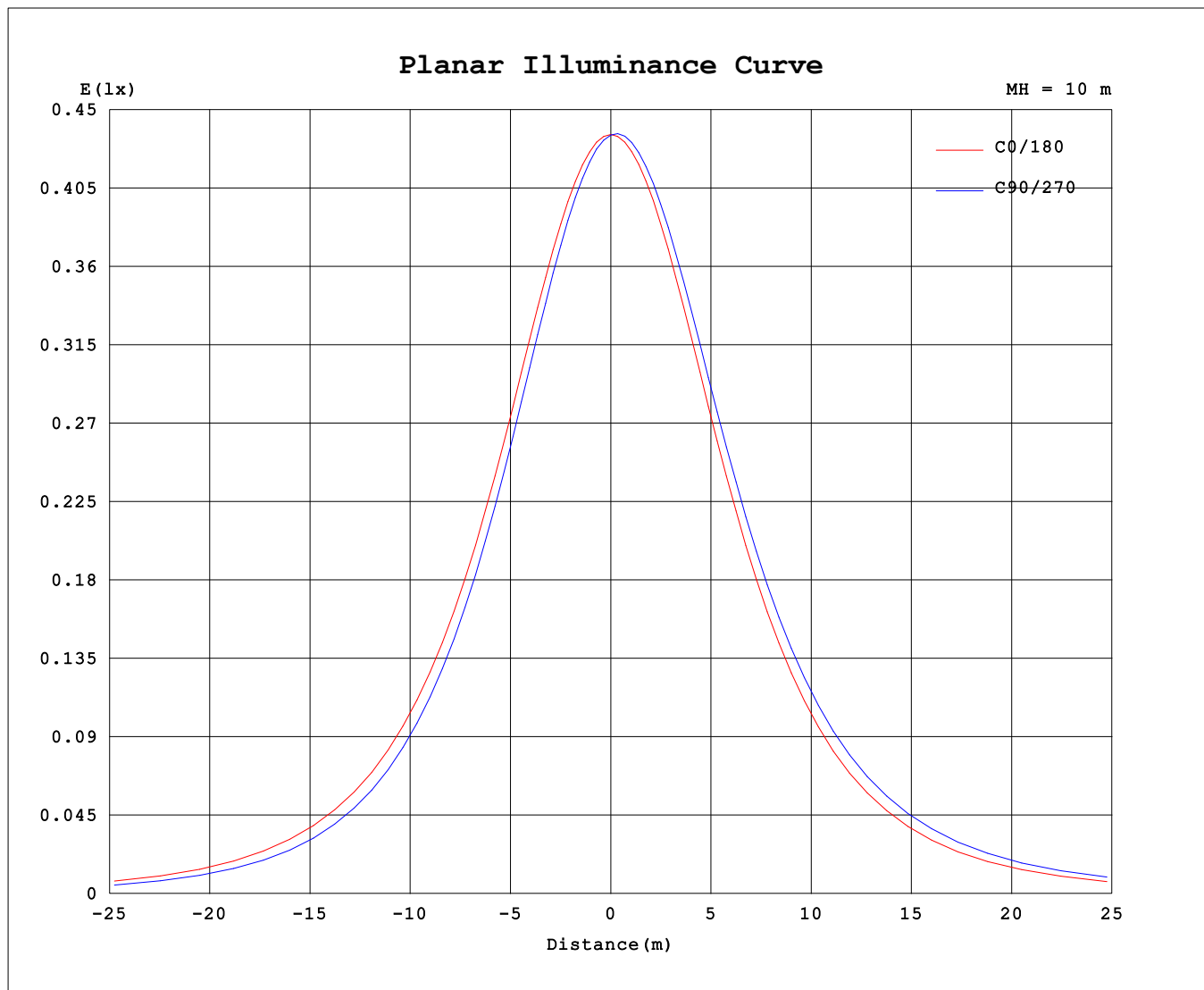
AvgL	cd/m2
L_0~180 (65) av	3114
L_0~180 (75) av	2668
L_0~180 (85) av	1680
L_90~270 (65) av	3163
L_90~270 (75) av	2863
L_90~270 (85) av	3107
L_45 (65) av	3151
L_45 (75) av	2788
L_45 (85) av	2544

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YSL  
 Test Date:2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YSL  
 Test Date: 2021-07-12

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.2225A P:5.3396W PF:1.0000 Freq:0Hz Lamp Flux:1.08157x120 lm		
NAME: NS-TW1220-2200K	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (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	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5			
5	43.4	43.2	43.1	43.0	43.0	43.1	43.2	43.3	43.4	43.6	43.7	43.8	43.8	43.7	43.6	43.5			
10	42.7	42.4	42.0	41.8	41.8	42.0	42.2	42.5	42.8	43.2	43.5	43.7	43.7	43.5	43.3	43.0			
15	42.0	41.5	41.0	40.7	40.7	41.0	41.2	41.7	42.1	42.6	43.1	43.3	43.3	43.0	42.9	42.4			
20	40.5	39.7	39.1	38.7	38.6	39.0	39.4	40.0	40.5	41.3	42.0	42.3	42.3	41.9	41.7	41.1			
25	39.2	38.3	37.5	37.1	37.0	37.5	37.9	38.6	39.2	40.1	40.9	41.3	41.4	40.9	40.6	39.9			
30	36.9	35.8	34.8	34.3	34.2	34.7	35.2	36.1	36.9	37.9	39.0	39.4	39.5	39.0	38.6	37.7			
35	35.1	33.9	32.8	32.2	32.1	32.7	33.2	34.2	35.0	36.2	37.4	37.9	38.0	37.4	36.9	36.0			
40	32.1	30.7	29.5	28.8	28.7	29.4	30.0	31.0	32.0	33.3	34.6	35.2	35.3	34.7	34.2	33.1			
45	29.8	28.4	27.1	26.4	26.3	27.0	27.6	28.7	29.7	31.2	32.6	33.2	33.3	32.6	32.1	30.9			
50	26.2	24.7	23.2	22.5	22.4	23.1	23.8	25.0	26.0	27.6	29.2	29.9	30.0	29.2	28.7	27.3			
55	23.7	22.0	20.5	19.8	19.7	20.4	21.1	22.3	23.4	25.1	26.7	27.5	27.6	26.8	26.2	24.8			
60	19.6	17.8	16.3	15.6	15.4	16.2	16.9	18.1	19.3	21.0	22.7	23.6	23.7	22.9	22.3	20.8			
65	16.7	14.9	13.4	12.6	12.5	13.3	14.0	15.2	16.4	18.2	20.0	20.8	21.0	20.2	19.5	18.0			
70	12.3	10.5	8.94	8.26	8.16	8.93	9.54	10.7	11.8	13.7	15.6	16.5	16.7	15.8	15.1	13.6			
75	9.27	7.49	6.08	5.49	5.41	6.11	6.65	7.77	8.79	10.7	12.6	13.5	13.8	12.9	12.2	10.5			
80	4.93	3.43	2.45	2.14	2.12	2.55	2.86	3.63	4.47	6.19	8.08	9.03	9.26	8.40	7.70	6.09			
85	2.47	1.45	1.03	0.95	0.94	1.12	1.22	1.54	2.06	3.50	5.23	6.14	6.38	5.57	4.89	3.43			
90	0.50	0.60	0.65	0.65	0.64	0.66	0.61	0.50	0.33	0.76	1.81	2.52	2.71	2.15	1.65	0.82			
95	0.14	0.58	0.62	0.63	0.61	0.62	0.58	0.47	0.18	0.41	0.78	1.21	1.33	1.08	0.78	0.55			
100	0.11	0.56	0.59	0.60	0.58	0.59	0.56	0.46	0.12	0.38	0.54	0.73	0.79	0.73	0.63	0.52			
105	0.14	0.55	0.59	0.59	0.57	0.58	0.53	0.46	0.12	0.34	0.52	0.70	0.74	0.70	0.63	0.51			
110	0.19	0.56	0.56	0.58	0.56	0.57	0.54	0.46	0.17	0.32	0.53	0.65	0.70	0.68	0.63	0.48			
115	0.23	0.56	0.54	0.58	0.56	0.57	0.53	0.47	0.20	0.34	0.53	0.64	0.69	0.67	0.63	0.46			
120	0.27	0.54	0.55	0.52	0.52	0.53	0.49	0.48	0.24	0.36	0.49	0.62	0.67	0.66	0.62	0.43			
125	0.31	0.53	0.57	0.52	0.50	0.52	0.50	0.49	0.28	0.34	0.48	0.62	0.66	0.66	0.60	0.39			
130	0.35	0.51	0.58	0.54	0.51	0.51	0.51	0.50	0.32	0.36	0.48	0.60	0.65	0.67	0.59	0.37			
135	0.38	0.50	0.57	0.56	0.52	0.50	0.52	0.49	0.34	0.37	0.49	0.58	0.66	0.66	0.58	0.38			
140	0.41	0.50	0.57	0.57	0.54	0.52	0.52	0.42	0.38	0.38	0.49	0.56	0.66	0.65	0.53	0.39			
145	0.43	0.50	0.56	0.57	0.55	0.52	0.52	0.43	0.40	0.39	0.48	0.55	0.63	0.64	0.48	0.41			
150	0.47	0.51	0.55	0.56	0.55	0.50	0.47	0.46	0.44	0.41	0.46	0.53	0.60	0.57	0.47	0.44			
155	0.49	0.52	0.55	0.56	0.55	0.52	0.48	0.48	0.46	0.44	0.45	0.51	0.57	0.54	0.48	0.46			
160	0.52	0.54	0.55	0.55	0.55	0.52	0.52	0.51	0.50	0.47	0.46	0.48	0.53	0.52	0.49	0.49			
165	0.54	0.56	0.56	0.56	0.55	0.53	0.53	0.53	0.52	0.50	0.49	0.49	0.52	0.51	0.51	0.52			
170	0.57	0.58	0.58	0.57	0.57	0.56	0.56	0.56	0.56	0.54	0.53	0.52	0.52	0.53	0.54	0.55			
175	0.59	0.60	0.59	0.59	0.58	0.58	0.58	0.59	0.58	0.57	0.56	0.55	0.55	0.55	0.56	0.58			
180	0.61	0.61	0.60	0.59	0.59	0.59	0.60	0.61	0.61	0.61	0.60	0.59	0.59	0.59	0.60	0.61			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
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