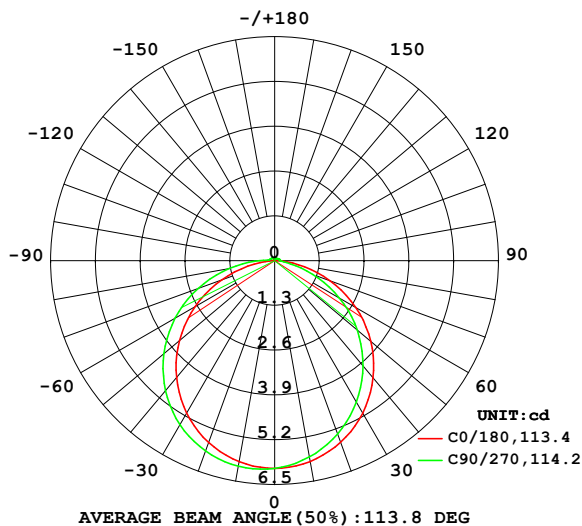


## LUMINAIRE PHOTOMETRIC TEST REPORT

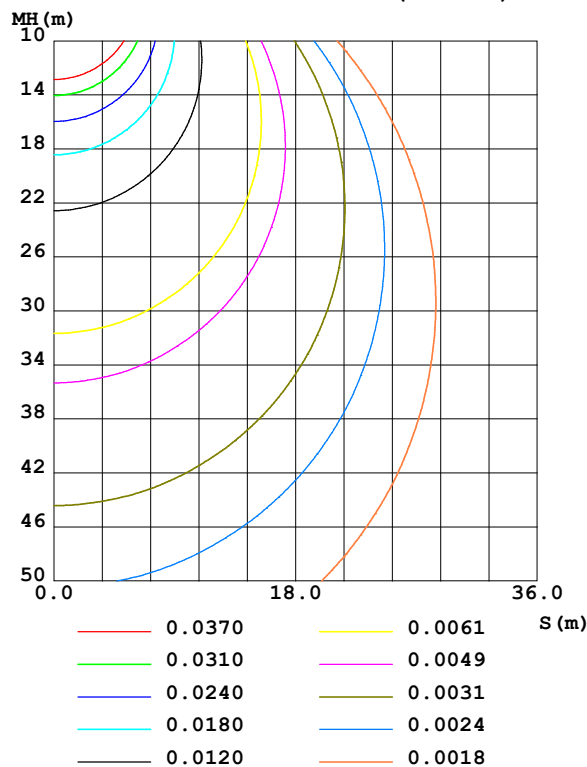
Test:U:23.998V I:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 8.32 lm/W
MODEL		I <sub>max</sub> (cd)	6.076	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	2.5	LOR(%)	100.0	S/MH(C90/270)	1.35	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	18.252	□ UP,DN(C0-180)	1.6,43.5	
NOMINAL FLUX(lm)	0.19013	CIE CLASS	DIRECT	□ UP,DN(C180-360)	1.6,53.3	
LAMPS INSIDE	96	□ up (%)	3.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	□ down (%)	96.8	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	5.924	5.809	5.789	5.845	5.926	6.029	6.057	6.002	0- 10	0.5704	0.5704	3.13,3.13
20	5.607	5.406	5.355	5.457	5.614	5.820	5.878	5.775	10- 20	1.635	2.206	12.1,12.1
30	5.115	4.822	4.740	4.887	5.109	5.417	5.499	5.355	20- 30	2.484	4.689	25.7,25.7
40	4.442	4.087	3.995	4.168	4.426	4.820	4.929	4.744	30- 40	3.005	7.694	42.2,42.2
50	3.638	3.232	3.130	3.320	3.606	4.064	4.195	3.984	40- 50	3.135	10.83	59.3,59.3
60	2.721	2.285	2.177	2.376	2.663	3.185	3.335	3.104	50- 60	2.860	13.69	75,75
70	1.711	1.276	1.178	1.365	1.636	2.197	2.370	2.117	60- 70	2.211	15.90	87.1,87.1
80	0.7045	0.3964	0.3676	0.4537	0.6110	1.160	1.336	1.092	70- 80	1.301	17.20	94.2,94.2
90	0.0847	0.1493	0.1549	0.1318	0.0398	0.3004	0.4497	0.2728	80- 90	0.4673	17.67	96.8,96.8
100	0.0094	0.1327	0.1430	0.1174	0.0094	0.1089	0.1620	0.1294	90-100	0.1473	17.82	97.6,97.6
110	0.0211	0.1208	0.1311	0.1040	0.0188	0.0924	0.1406	0.1174	100-110	0.1081	17.92	98.2,98.2
120	0.0328	0.1019	0.1168	0.0863	0.0305	0.0829	0.1263	0.1102	110-120	0.0928	18.02	98.7,98.7
130	0.0422	0.0877	0.0953	0.0719	0.0375	0.0711	0.1104	0.1006	120-130	0.0745	18.09	99.1,99.1
140	0.0516	0.0829	0.0787	0.0695	0.0469	0.0710	0.1025	0.0886	130-140	0.0582	18.15	99.4,99.4
150	0.0586	0.0758	0.0810	0.0599	0.0563	0.0639	0.0905	0.0695	140-150	0.0447	18.19	99.7,99.7
160	0.0680	0.0711	0.0739	0.0671	0.0656	0.0616	0.0715	0.0671	150-160	0.0315	18.23	99.9,99.9
170	0.0727	0.0782	0.0715	0.0743	0.0727	0.0640	0.0644	0.0671	160-170	0.0194	18.25	100,100
180	0.0797	0.0782	0.0763	0.0767	0.0797	0.0758	0.0763	0.0815	170-180	0.0070	18.25	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 9.5858 lm

%lum = 52.5%

%lamp = 52.5%

Conical surface Flux(120deg): 13.69 lm

%lum = 75.0%

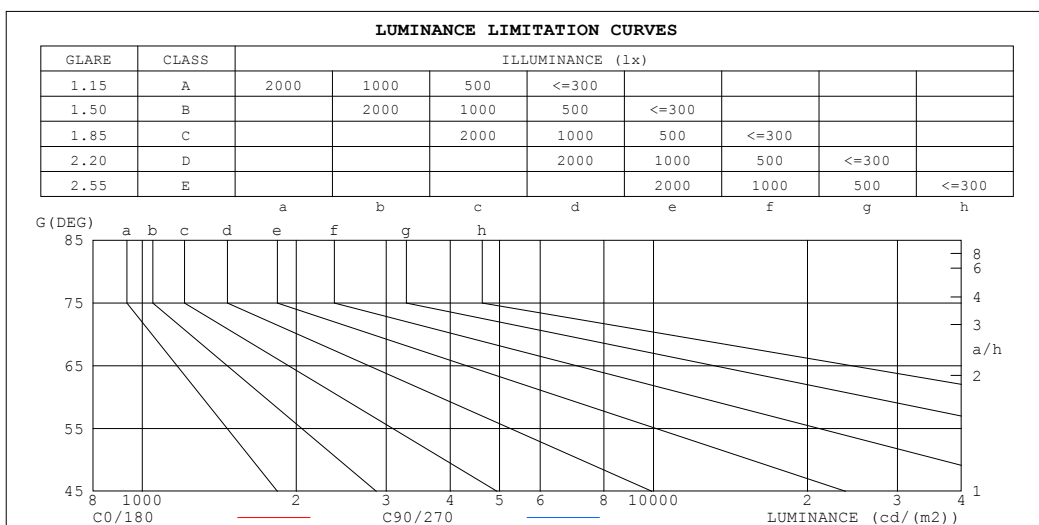
%lamp = 75.0%

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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	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	353	205
80	343	176
75	424	259
70	423	286
65	464	349
60	460	362
55	484	400
50	478	405
45	494	430

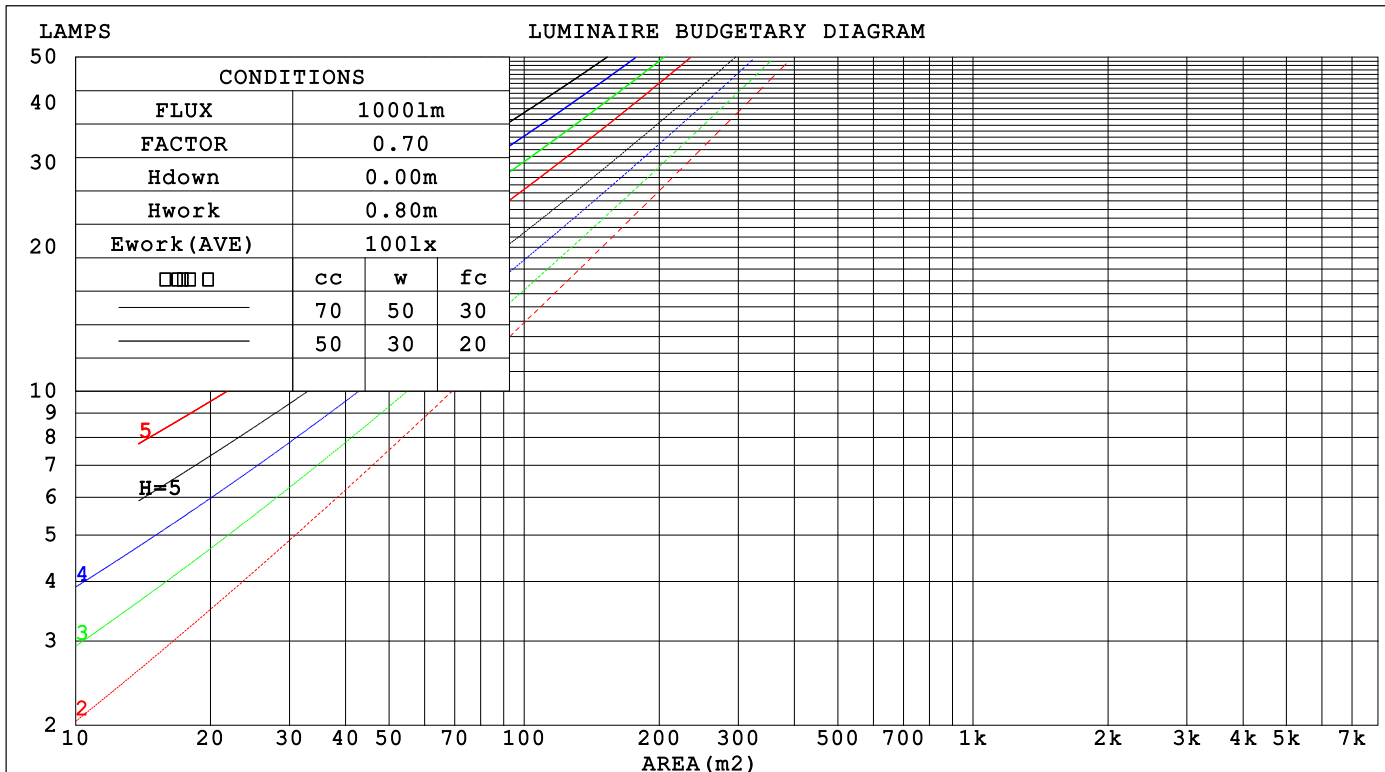
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-12

☐ 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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz		
Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	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	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97														
1.0	1.03	.98	.94	1.00	.96	.92	.95	.92	.89	.91	.88	.86	.87	.85	.83	.80														
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.79	.75	.71	.76	.72	.69	.66														
3.0	.78	.70	.63	.76	.69	.62	.73	.66	.61	.70	.64	.59	.67	.62	.58	.56														
4.0	.69	.60	.53	.68	.59	.53	.65	.57	.52	.62	.56	.51	.59	.54	.50	.47														
5.0	.62	.53	.46	.60	.52	.45	.58	.50	.45	.56	.49	.44	.53	.48	.43	.41														
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.38	.48	.42	.38	.36														
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.31														
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28														
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25														
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	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	.318 .181 .057	.310 .177 .056	.295 .169 .054	.281 .162 .052	.268 .156 .050	
2.0	.296 .162 .050	.289 .159 .049	.276 .153 .048	.263 .148 .046	.252 .142 .045	
3.0	.273 .145 .043	.266 .143 .043	.254 .138 .042	.243 .133 .041	.233 .129 .040	
4.0	.251 .130 .038	.245 .128 .038	.235 .124 .037	.225 .121 .036	.215 .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 .031	.201 .103 .030	.193 .100 .030	.186 .098 .029	
7.0	.199 .099 .028	.195 .097 .028	.188 .095 .027	.180 .092 .027	.174 .090 .027	
8.0	.186 .091 .026	.182 .090 .025	.175 .088 .025	.169 .086 .025	.163 .084 .024	
9.0	.174 .084 .024	.171 .083 .023	.165 .081 .023	.159 .080 .023	.153 .078 .022	
10.0	.164 .078 .022	.161 .078 .022	.155 .076 .021	.150 .074 .021	.144 .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	.215 .215 .215	.184 .184 .184	.125 .125 .125	.072 .072 .072	.023 .023 .023	
1.0	.205 .181 .158	.176 .155 .136	.120 .107 .094	.069 .062 .055	.022 .020 .018	
2.0	.198 .157 .122	.169 .135 .106	.116 .093 .074	.067 .054 .043	.021 .018 .014	
3.0	.190 .139 .099	.163 .120 .086	.112 .083 .060	.065 .049 .035	.021 .016 .012	
4.0	.182 .126 .083	.156 .109 .072	.108 .076 .051	.062 .044 .030	.020 .014 .010	
5.0	.175 .116 .072	.150 .100 .063	.103 .070 .044	.060 .041 .026	.019 .013 .009	
6.0	.168 .107 .064	.144 .093 .056	.099 .065 .040	.058 .038 .023	.019 .013 .008	
7.0	.161 .101 .058	.138 .087 .051	.096 .061 .036	.056 .036 .021	.018 .012 .007	
8.0	.154 .095 .054	.133 .082 .047	.092 .058 .033	.053 .034 .020	.017 .011 .007	
9.0	.148 .090 .050	.128 .078 .044	.088 .055 .031	.052 .032 .019	.017 .011 .006	
10.0	.143 .086 .048	.123 .074 .042	.085 .052 .030	.050 .031 .018	.016 .010 .006	

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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm											
NAME: NS-S1220-RGBW-R					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	24.4	24.7
3H		25.1	26.5	25.5	26.8	27.1	23.9	25.2	24.2	25.5	25.8
4H		25.7	27.0	26.1	27.3	27.7	24.2	25.5	24.6	25.8	26.1
6H		26.1	27.4	26.5	27.7	28.0	24.4	25.6	24.7	25.9	26.3
8H		26.2	27.4	26.6	27.8	28.1	24.4	25.6	24.8	25.9	26.3
12H		26.3	27.4	26.7	27.8	28.2	24.4	25.5	24.8	25.9	26.3
4H 2H		24.0	25.3	24.3	25.6	25.9	23.3	24.6	23.6	24.9	25.2
3H		25.7	26.8	26.1	27.2	27.5	24.6	25.7	25.0	26.1	26.4
4H		26.3	27.4	26.8	27.8	28.2	25.0	26.0	25.4	26.4	26.8
6H		26.9	27.8	27.3	28.2	28.6	25.2	26.2	25.7	26.6	27.0
8H		27.0	27.9	27.5	28.3	28.8	25.3	26.2	25.8	26.6	27.0
12H		27.1	27.9	27.6	28.3	28.8	25.3	26.1	25.8	26.6	27.1
8H 4H		26.4	27.3	26.9	27.7	28.2	25.2	26.1	25.7	26.5	26.9
6H		27.0	27.7	27.5	28.2	28.7	25.5	26.2	26.0	26.7	27.2
8H		27.2	27.9	27.7	28.3	28.9	25.6	26.3	26.1	26.7	27.3
12H		27.4	27.9	27.9	28.4	29.0	25.7	26.3	26.3	26.8	27.3
12H 4H		26.4	27.2	26.9	27.6	28.1	25.2	26.0	25.7	26.4	26.9
6H		27.0	27.6	27.5	28.1	28.6	25.5	26.2	26.0	26.7	27.2
8H		27.2	27.8	27.8	28.3	28.8	25.7	26.2	26.2	26.7	27.3
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		+ 0.3 / - 0.5					+ 0.3 / - 0.4				

CIE Pub.117, 18.25 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -13.9)  
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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

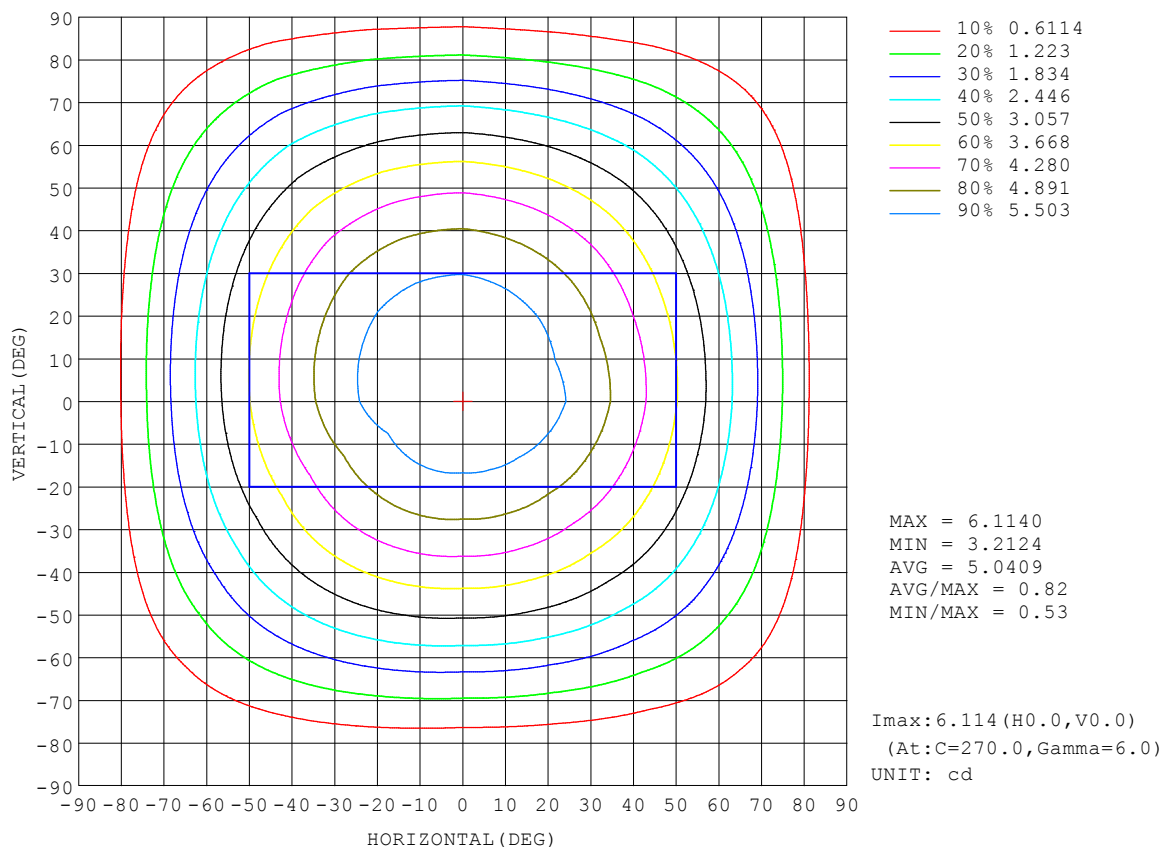
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	46	63	53	46	39
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	71	63	80	70	63	77	68	62	54
1.50	86	76	69	85	75	68	81	73	67	59
2.00	93	84	78	91	83	77	87	80	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	94	88	98	92	86	94	88	84	75
4.00	105	99	94	102	97	92	97	93	89	79
5.00	107	102	98	105	100	96	100	96	93	82
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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



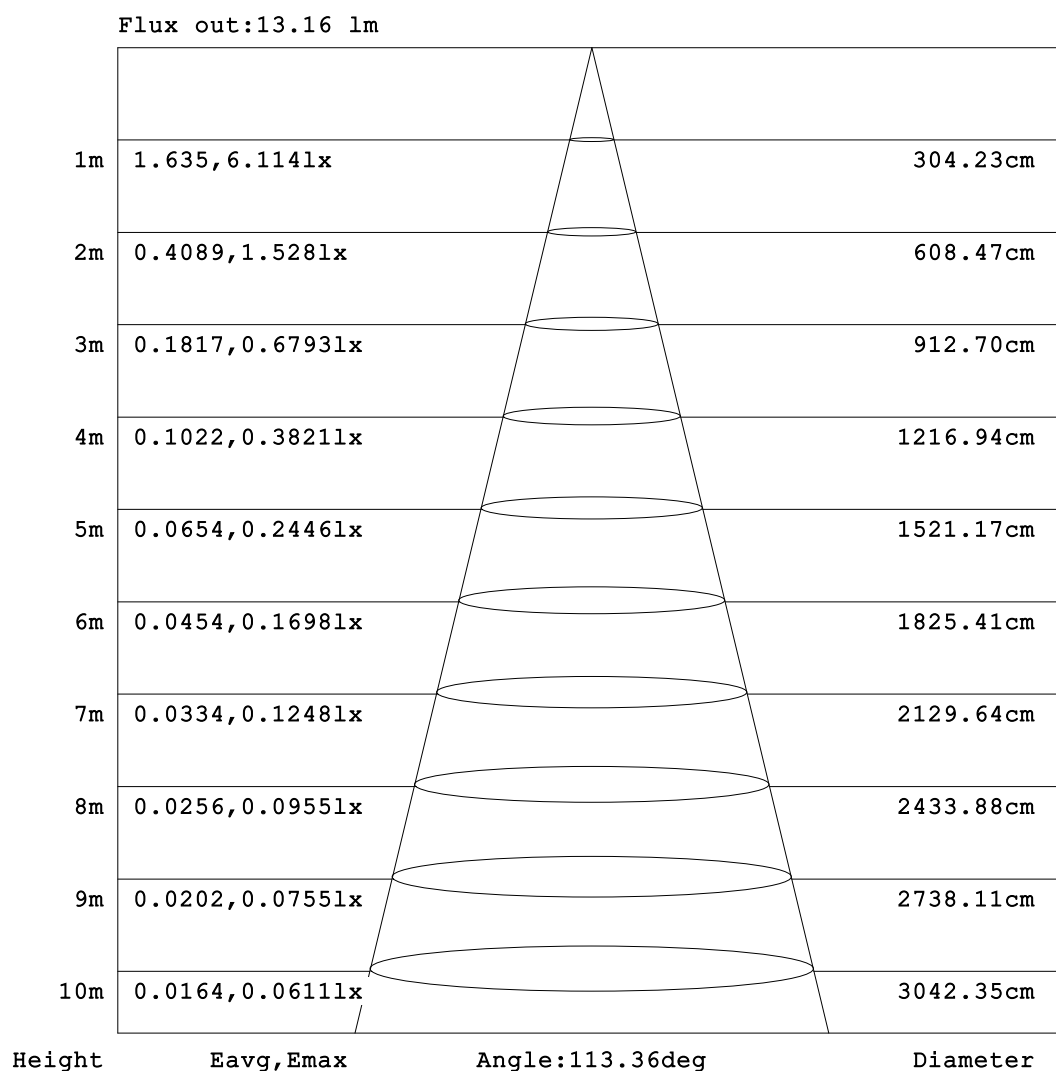
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: YSL  
Test Date: 2021-07-12

☐ 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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



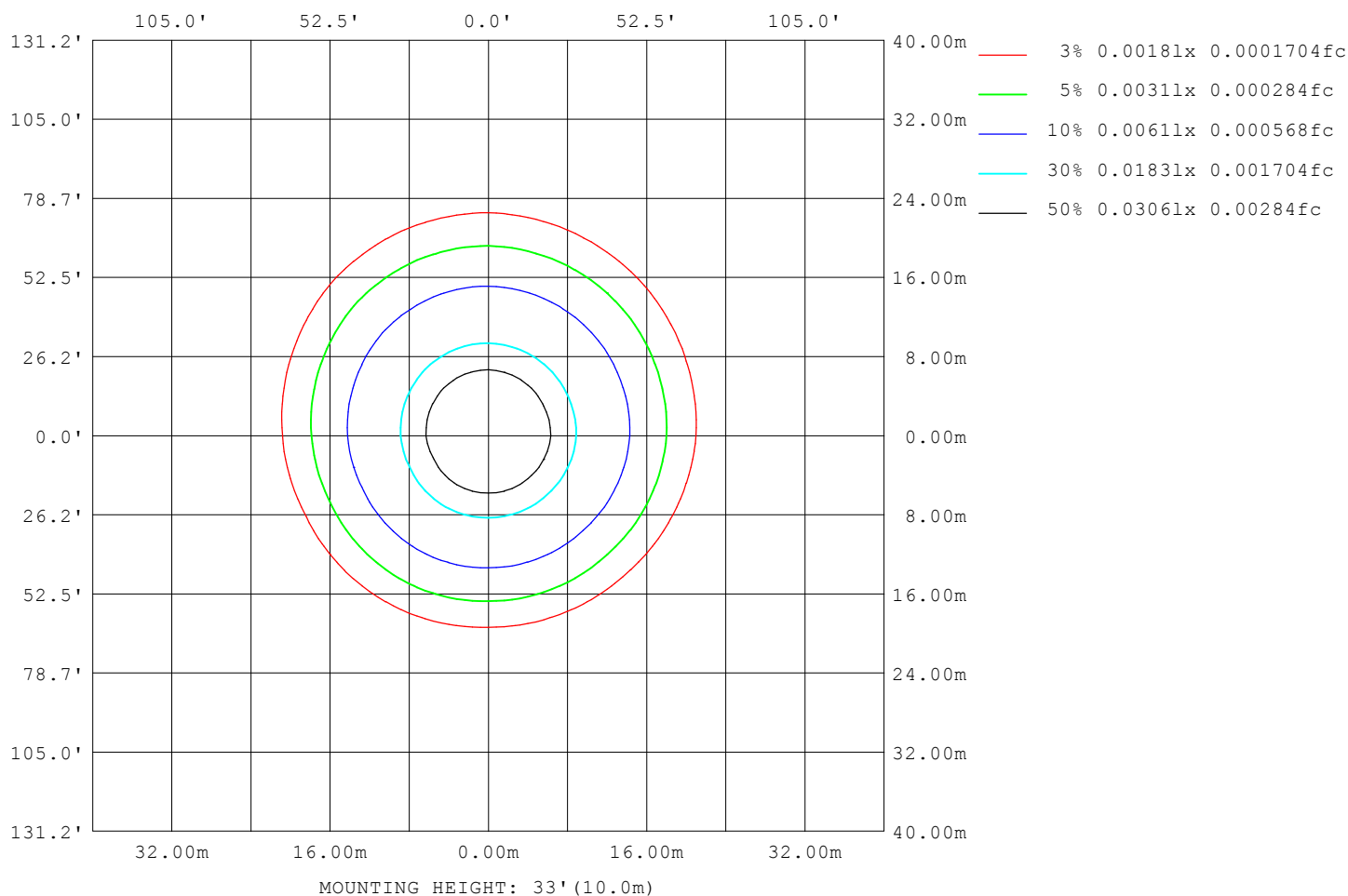
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm		
NAME: NS-S1220-RGBW-R	TYPE:	WEIGHT:
SPEC.:	DIM.: 1*0.012*0.02MM	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

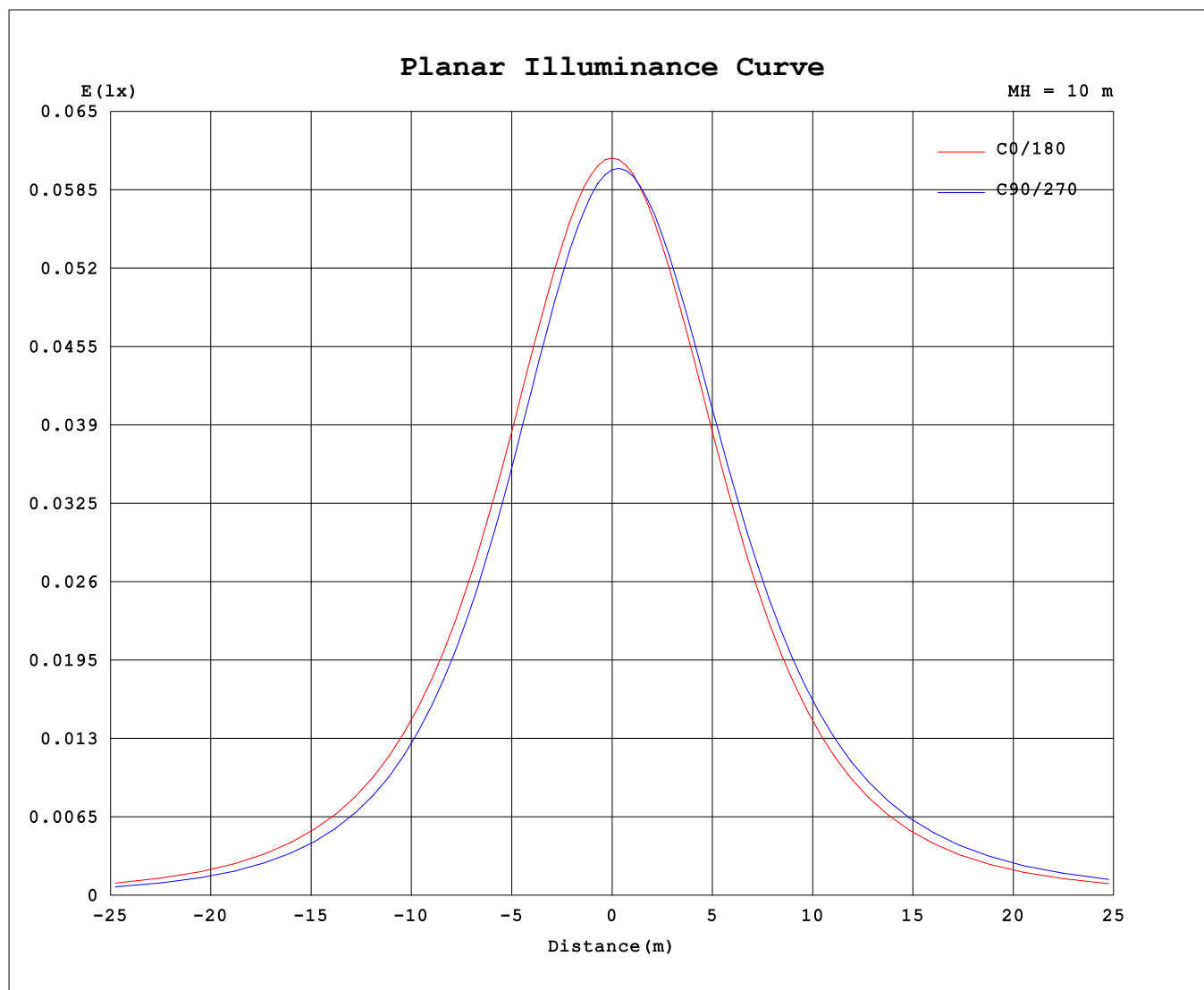
AvgL	cd/m2
L_0~180 (65) av	432
L_0~180 (75) av	370
L_0~180 (85) av	239
L_90~270 (65) av	447
L_90~270 (75) av	415
L_90~270 (85) av	496
L_45 (65) av	443
L_45 (75) av	398
L_45 (85) av	400

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:0.0914A P:2.1934W PF:1.0000 Freq:0Hz Lamp Flux:0.19013x96 lm																	
NAME: NS-S1220-RGBW-R									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	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03			
5	6.01	5.98	5.96	5.96	5.96	5.97	5.98	5.99	6.01	6.04	6.05	6.06	6.07	6.06	6.04	6.03			
10	5.92	5.87	5.81	5.79	5.79	5.82	5.84	5.88	5.93	5.98	6.03	6.06	6.06	6.03	6.00	5.97			
15	5.82	5.75	5.67	5.64	5.64	5.68	5.71	5.76	5.82	5.90	5.97	6.01	6.01	5.98	5.94	5.89			
20	5.61	5.51	5.41	5.37	5.36	5.40	5.46	5.52	5.61	5.72	5.82	5.87	5.88	5.83	5.77	5.71			
25	5.43	5.31	5.19	5.14	5.13	5.18	5.25	5.33	5.44	5.56	5.68	5.74	5.74	5.69	5.63	5.55			
30	5.12	4.97	4.82	4.76	4.74	4.81	4.89	4.98	5.11	5.26	5.42	5.48	5.50	5.43	5.36	5.25			
35	4.86	4.70	4.54	4.48	4.46	4.53	4.62	4.71	4.85	5.03	5.20	5.28	5.29	5.22	5.13	5.02			
40	4.44	4.26	4.09	4.01	3.99	4.07	4.17	4.27	4.43	4.63	4.82	4.91	4.93	4.84	4.74	4.62			
45	4.14	3.94	3.76	3.68	3.66	3.74	3.84	3.95	4.12	4.33	4.54	4.62	4.65	4.56	4.46	4.32			
50	3.64	3.43	3.23	3.16	3.13	3.22	3.32	3.43	3.61	3.84	4.06	4.17	4.20	4.10	3.98	3.84			
55	3.28	3.07	2.87	2.78	2.76	2.85	2.96	3.07	3.24	3.49	3.72	3.84	3.86	3.77	3.65	3.49			
60	2.72	2.49	2.28	2.20	2.18	2.27	2.38	2.49	2.66	2.93	3.19	3.30	3.34	3.23	3.10	2.94			
65	2.32	2.09	1.88	1.80	1.77	1.87	1.98	2.08	2.26	2.53	2.80	2.93	2.96	2.85	2.72	2.55			
70	1.71	1.47	1.28	1.20	1.18	1.26	1.36	1.46	1.64	1.92	2.20	2.33	2.37	2.26	2.12	1.94			
75	1.30	1.06	0.88	0.82	0.81	0.88	0.97	1.05	1.21	1.49	1.78	1.92	1.96	1.85	1.71	1.52			
80	0.70	0.51	0.40	0.37	0.37	0.42	0.45	0.49	0.61	0.87	1.16	1.29	1.34	1.23	1.09	0.91			
85	0.36	0.24	0.21	0.21	0.21	0.23	0.23	0.21	0.27	0.50	0.77	0.89	0.94	0.83	0.71	0.54			
90	0.08	0.12	0.15	0.16	0.15	0.15	0.13	0.09	0.04	0.13	0.30	0.41	0.45	0.38	0.27	0.16			
95	0.02	0.11	0.14	0.15	0.15	0.15	0.12	0.08	0.02	0.07	0.15	0.23	0.25	0.22	0.16	0.11			
100	0.01	0.11	0.13	0.14	0.14	0.14	0.12	0.08	0.01	0.06	0.11	0.15	0.16	0.15	0.13	0.10			
105	0.01	0.10	0.13	0.14	0.14	0.14	0.11	0.07	0.01	0.06	0.10	0.14	0.15	0.14	0.12	0.09			
110	0.02	0.09	0.12	0.13	0.13	0.12	0.10	0.07	0.02	0.05	0.09	0.12	0.14	0.14	0.12	0.08			
115	0.03	0.09	0.11	0.13	0.13	0.12	0.10	0.07	0.02	0.05	0.09	0.12	0.13	0.13	0.12	0.07			
120	0.03	0.08	0.10	0.12	0.12	0.11	0.09	0.07	0.03	0.05	0.08	0.11	0.13	0.12	0.11	0.06			
125	0.04	0.08	0.09	0.11	0.11	0.11	0.08	0.06	0.03	0.05	0.08	0.11	0.12	0.12	0.11	0.06			
130	0.04	0.07	0.09	0.09	0.10	0.09	0.07	0.06	0.04	0.05	0.07	0.10	0.11	0.11	0.10	0.05			
135	0.05	0.07	0.09	0.08	0.09	0.08	0.07	0.07	0.04	0.05	0.07	0.09	0.11	0.11	0.10	0.05			
140	0.05	0.07	0.08	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.07	0.08	0.10	0.10	0.09	0.06			
145	0.06	0.07	0.08	0.09	0.08	0.07	0.07	0.05	0.05	0.05	0.07	0.08	0.10	0.10	0.08	0.05			
150	0.06	0.07	0.08	0.08	0.08	0.07	0.06	0.06	0.06	0.05	0.06	0.08	0.09	0.08	0.07	0.06			
155	0.06	0.07	0.08	0.08	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.09	0.08	0.07	0.06			
160	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.06			
165	0.07	0.07	0.08	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07	0.06	0.06	0.06			
170	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07			
175	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
180	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08			

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