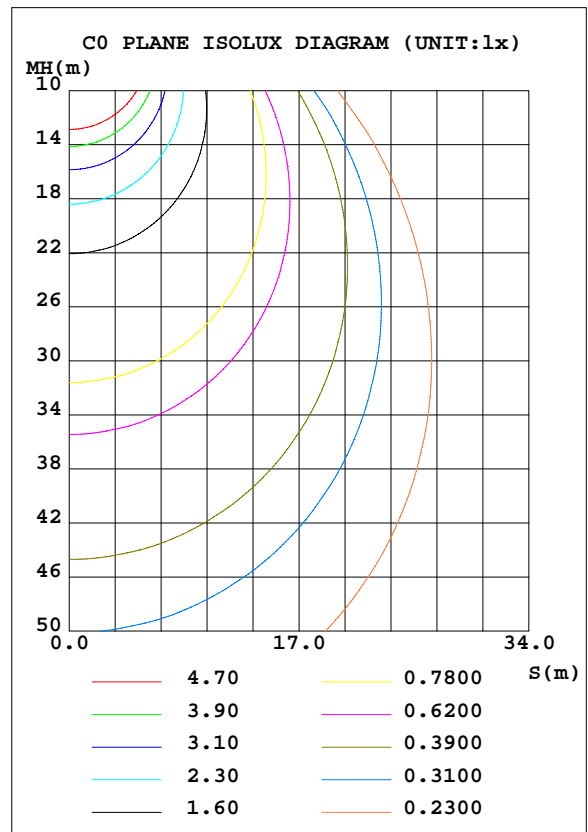
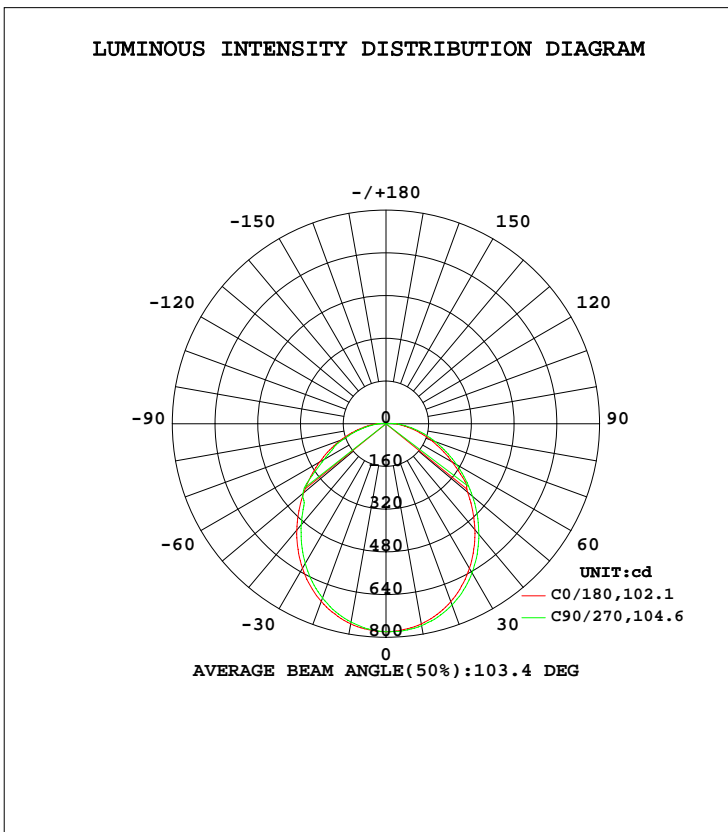


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.02 lm/W			
MODEL	PSZ2C170410004-10	Imax(cd)	779.7	S/MH(C0/180)	1.20
NOMINAL POWER(W)	26	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2080.1	η UP, DN(C0-180)	0.7,47.9
NOMINAL FLUX(lm)	2080.13	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.6,50.7
LAMPS INSIDE	1	η up(%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	98.7	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [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	761.0	756.4	754.2	756.0	761.3	765.6	767.7	766.0	0- 10	73.48	73.48	3.53,3.53
20	708.5	699.1	694.8	698.5	709.4	718.5	722.3	719.3	10- 20	208.3	281.8	13.5,13.5
30	625.6	611.8	604.4	609.4	625.3	638.7	644.7	640.4	20- 30	308.5	590.3	28.4,28.4
40	519.8	502.6	494.0	499.4	517.9	533.4	541.2	537.1	30- 40	358.5	948.8	45.6,45.6
50	402.6	391.2	406.5	407.4	399.4	414.7	423.2	419.8	40- 50	355.8	1305	62.7,62.7
60	287.0	276.1	267.5	273.6	285.8	296.7	304.7	301.6	50- 60	311.6	1616	77.7,77.7
70	181.0	173.1	169.3	170.9	180.0	189.1	196.0	193.4	60- 70	230.6	1847	88.8,88.8
80	91.11	83.20	79.01	82.60	90.19	97.93	102.9	100.4	70- 80	141.7	1988	95.6,95.6
90	31.52	28.27	26.90	28.41	33.13	36.27	37.00	35.48	80- 90	63.86	2052	98.7,98.7
100	5.798	8.292	10.18	9.367	7.264	5.348	4.135	4.444	90-100	18.84	2071	99.6,99.6
110	0.8063	3.038	4.571	3.840	1.550	0.2530	0.3253	0.2695	100-110	3.787	2075	99.8,99.8
120	0.7004	0.5600	1.232	0.9027	0.6590	0.4732	0.5734	0.5771	110-120	1.146	2076	99.8,99.8
130	1.288	0.9843	1.052	1.058	1.142	0.7624	0.8066	0.9114	120-130	0.7577	2077	99.8,99.8
140	1.817	1.527	1.622	1.405	1.533	1.235	0.9383	1.188	130-140	0.9171	2078	99.9,99.9
150	2.007	1.863	1.723	1.742	1.498	1.324	1.239	1.044	140-150	0.9578	2079	99.9,99.9
160	1.920	1.999	1.586	1.959	1.645	0.9628	1.220	1.905	150-160	0.7700	2080	100,100
170	1.709	1.876	1.697	2.217	1.508	1.024	1.192	1.532	160-170	0.4828	2080	100,100
180	0.9273	0.8625	0.9249	0.9306	0.9346	0.9308	0.9294	0.9323	170-180	0.1376	2080	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 9.2 %									UNIT:lm		

Conical surface Flux(90deg): 1129.7 lm

%lum = 54.3%

%lamp = 54.3%

Conical surface Flux(120deg): 1616.2 lm

%lum = 77.7%

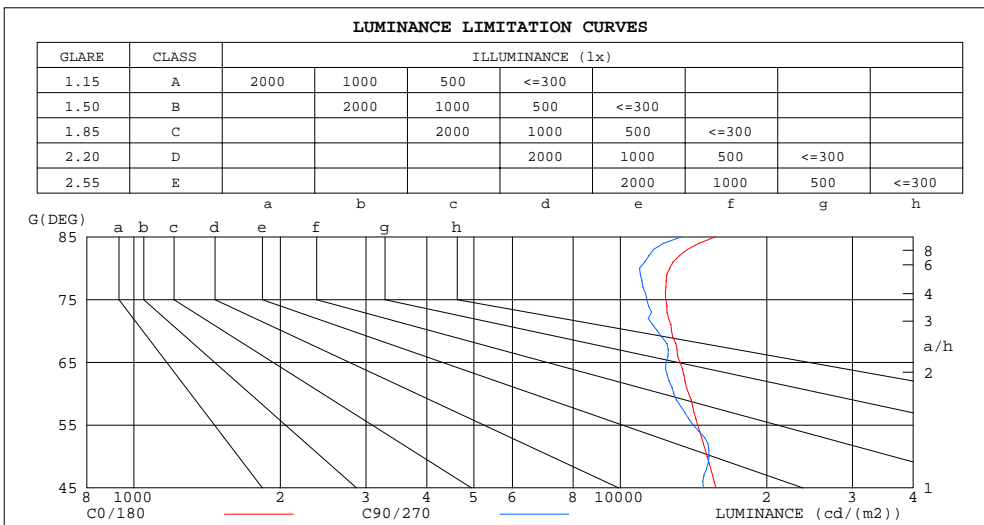
%lamp = 77.7%

 C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

 γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	15700	13368
80	12636	10953
75	12398	11339
70	12749	11915
65	13271	12414
60	13825	12879
55	14423	14115
50	15084	15222
45	15720	14814

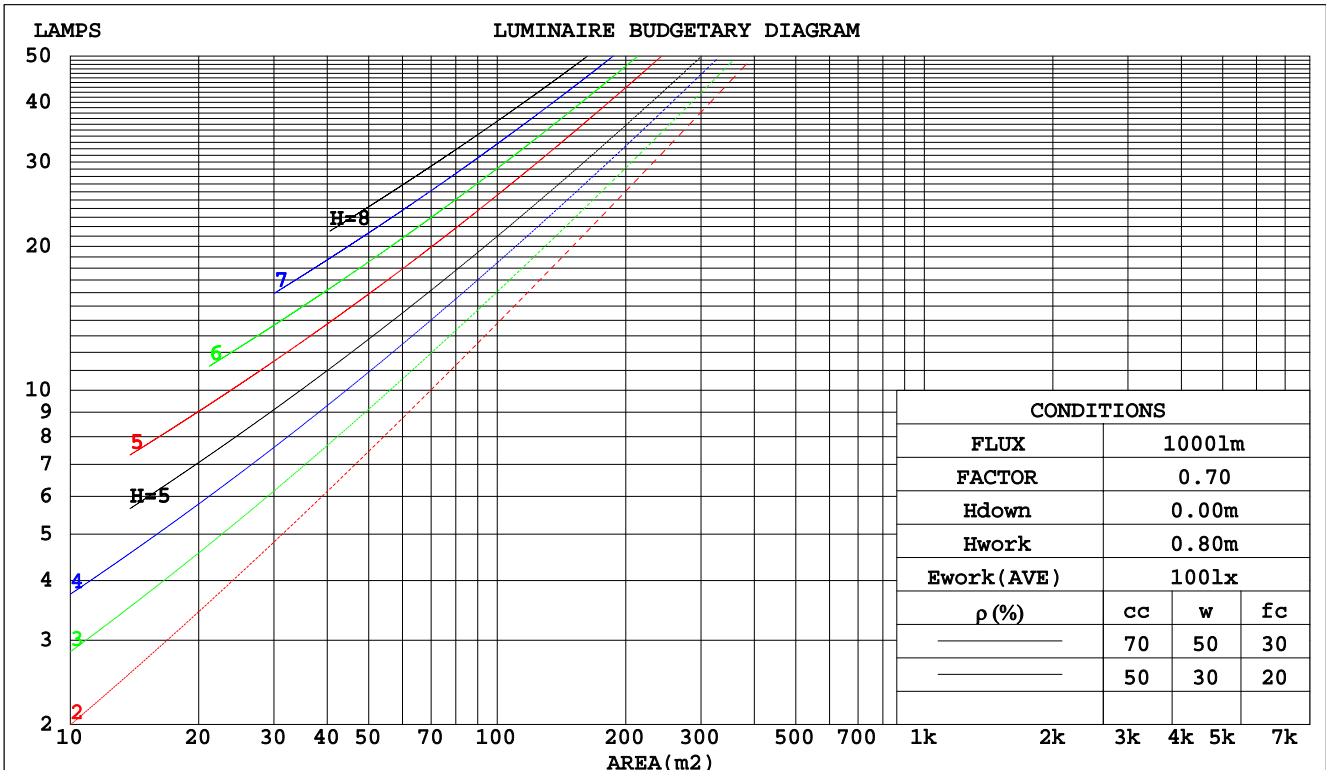
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A

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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.71	.65	.78	.70	.64	.74	.68	.63	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.54	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.57	.51	.46	.55	.50	.45	.43
6.0	.57	.48	.42	.56	.47	.41	.54	.46	.41	.52	.45	.40	.50	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.36	.31	.26	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.316	.180	.057	.309	.176	.056	.295	.169	.054	.282	.163	.052	.270	.157	.050	
2.0	.292	.160	.049	.285	.157	.048	.273	.152	.047	.262	.147	.046	.251	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.252	.136	.041	.241	.132	.041	.232	.128	.040	
4.0	.247	.128	.038	.242	.126	.037	.232	.123	.037	.223	.120	.036	.214	.117	.035	
5.0	.228	.116	.034	.223	.115	.033	.215	.112	.033	.207	.109	.032	.199	.106	.032	
6.0	.211	.106	.030	.207	.105	.030	.199	.102	.030	.192	.100	.029	.185	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.184	.090	.025	.180	.089	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.162	.078	.022	.159	.077	.021	.154	.076	.021	.149	.074	.021	.145	.073	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.201	.201	.201	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.144	.163	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.108	.156	.122	.094	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.085	.150	.108	.074	.103	.075	.052	.059	.044	.030	.019	.014	.010	
4.0	.167	.111	.069	.143	.096	.060	.098	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.159	.101	.058	.137	.087	.050	.094	.061	.036	.055	.036	.021	.018	.012	.007	
6.0	.152	.093	.050	.131	.080	.044	.090	.056	.031	.052	.033	.018	.017	.011	.006	
7.0	.145	.086	.044	.125	.074	.038	.086	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.139	.080	.040	.119	.069	.034	.083	.049	.024	.048	.029	.015	.016	.009	.005	
9.0	.133	.075	.036	.114	.065	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.127	.071	.033	.109	.061	.029	.076	.043	.021	.044	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm										
NAME: CL110-LED					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A		
MFR.: NDR					SUR.:N/A			Shielding Angle:N/A		
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	21.8	23.3	22.1	23.5	23.7	21.6	23.1	21.9	23.3	23.5
3H	23.2	24.6	23.6	24.9	25.1	23.0	24.4	23.3	24.6	24.9
4H	23.9	25.2	24.2	25.5	25.8	23.6	24.9	23.9	25.2	25.5
6H	24.4	25.7	24.8	26.0	26.3	24.1	25.3	24.4	25.6	25.9
8H	24.7	25.9	25.0	26.2	26.5	24.3	25.5	24.6	25.8	26.1
12H	24.9	26.1	25.3	26.4	26.7	24.5	25.6	24.8	25.9	26.3
4H 2H	22.3	23.6	22.6	23.9	24.2	22.1	23.5	22.5	23.7	24.0
3H	24.0	25.1	24.3	25.4	25.8	23.8	24.9	24.1	25.2	25.6
4H	24.8	25.8	25.1	26.1	26.5	24.5	25.6	24.9	25.9	26.3
6H	25.5	26.4	25.9	26.8	27.2	25.1	26.1	25.5	26.4	26.8
8H	25.8	26.7	26.2	27.0	27.5	25.4	26.3	25.8	26.7	27.1
12H	26.1	26.9	26.6	27.3	27.7	25.7	26.5	26.1	26.9	27.3
8H 4H	25.0	25.9	25.4	26.3	26.7	24.8	25.7	25.2	26.1	26.5
6H	25.9	26.6	26.4	27.1	27.5	25.6	26.3	26.1	26.8	27.2
8H	26.3	27.0	26.8	27.4	27.9	26.0	26.6	26.5	27.1	27.6
12H	26.8	27.4	27.3	27.8	28.3	26.4	26.9	26.9	27.4	27.9
12H 4H	25.0	25.8	25.5	26.2	26.7	24.8	25.6	25.3	26.0	26.5
6H	26.0	26.6	26.5	27.1	27.6	25.7	26.3	26.2	26.8	27.3
8H	26.5	27.0	27.0	27.5	28.0	26.1	26.7	26.6	27.2	27.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 2080 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.5)

 C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

 γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A

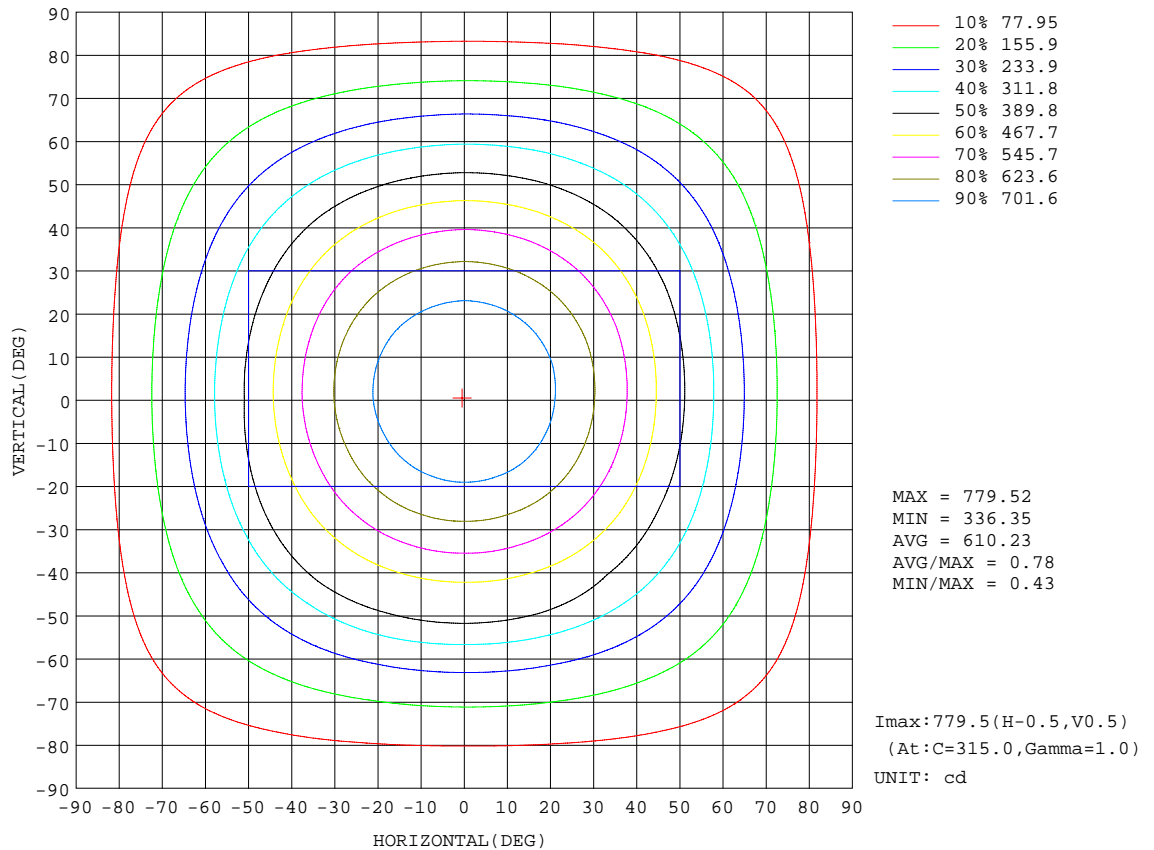
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	56	49	67	56	49	65	55	49	42
1.00	76	65	58	75	64	58	73	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	79	93	85	79	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
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: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A



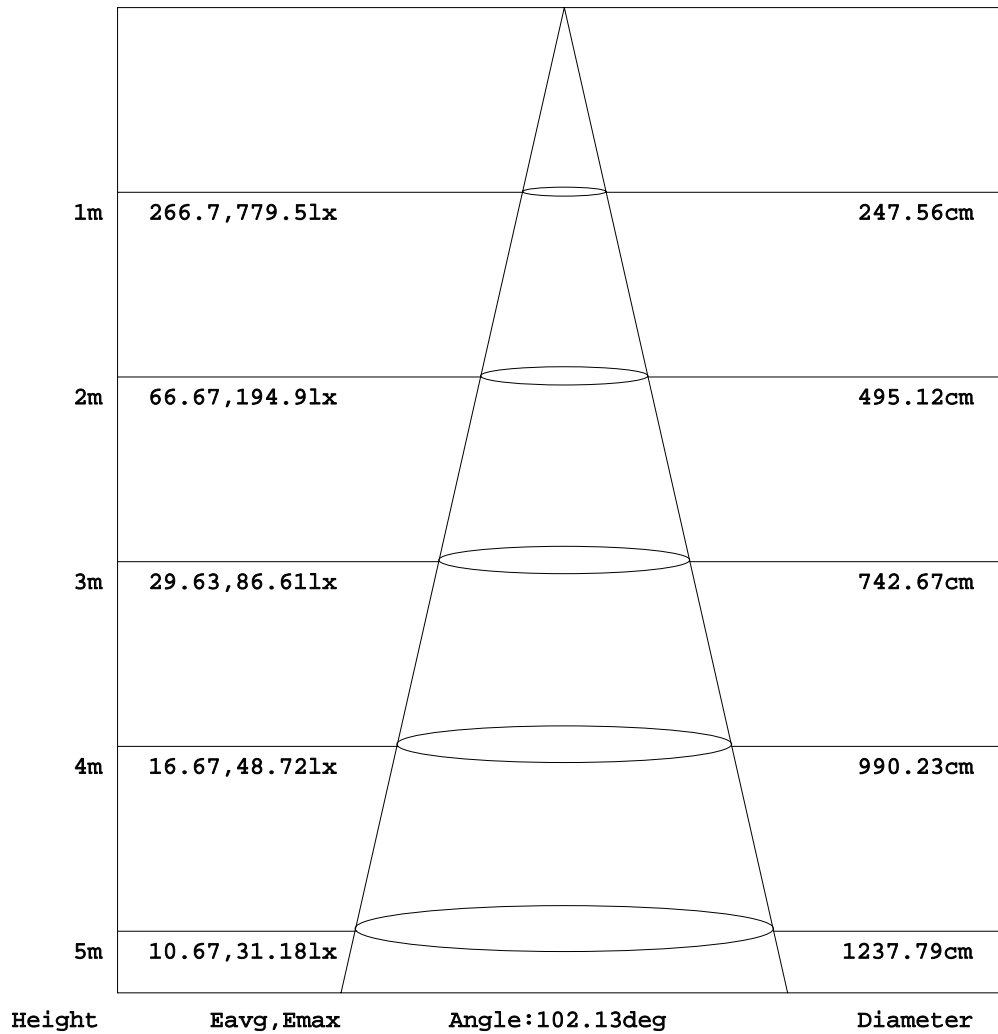
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A

Flux out:1372 lm



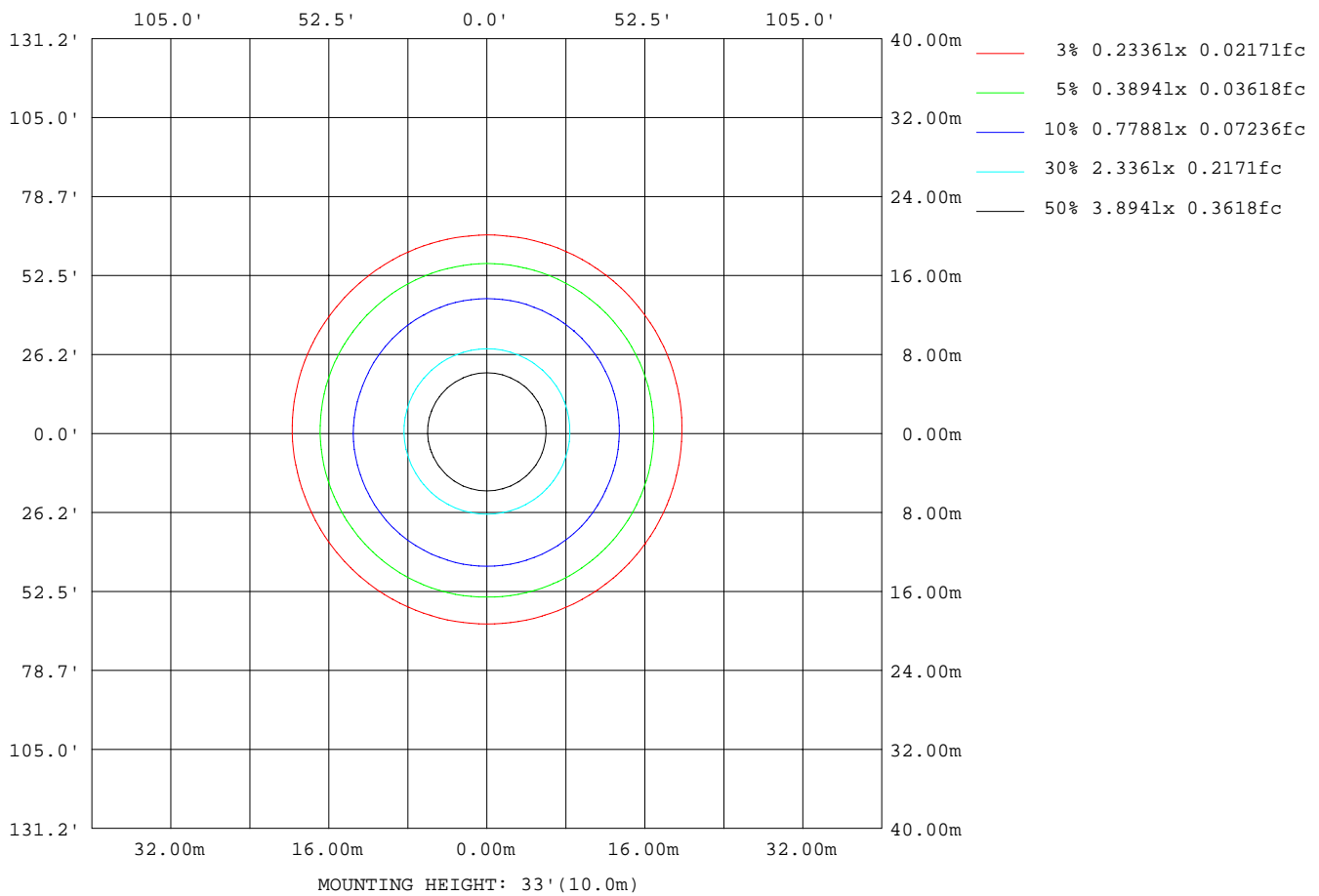
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A

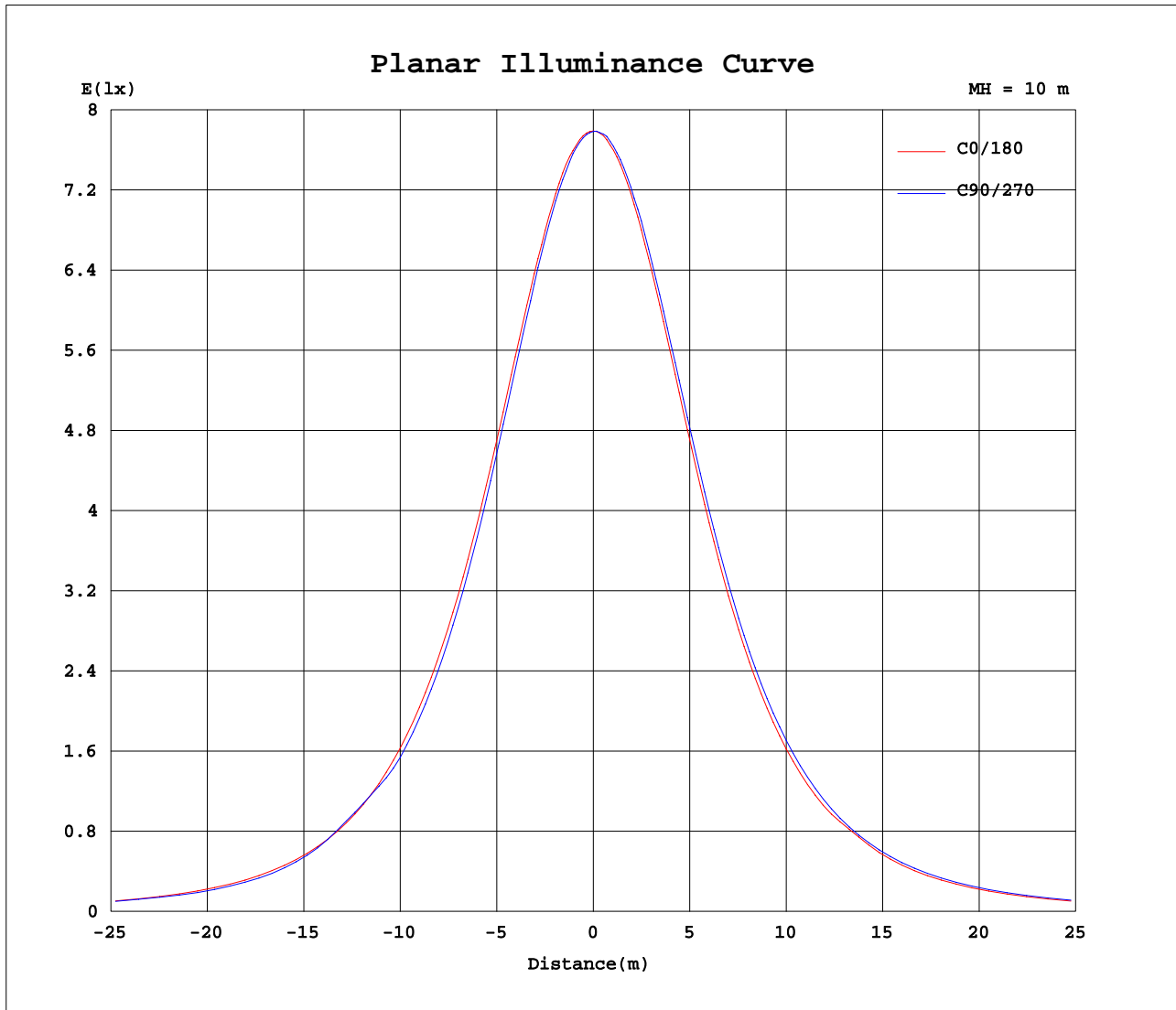
AvgL	cd/m2
L_0~180(65)av	13207
L_0~180(75)av	12345
L_0~180(85)av	15809
L_90~270(65)av	13292
L_90~270(75)av	12537
L_90~270(85)av	15789
L_45(65)av	13152
L_45(75)av	12455
L_45(85)av	15785

Standard: GB/T 29293-2012

 C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3DEG
 Operators:David
 Test Date:2017-04-11

 γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.459m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 25.3DEG
 Operators: David
 Test Date: 2017-04-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 45%
 Test Distance: 2.459m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.2233A P:26.66W PF:0.9953 Lamp Flux:2080.13x1 lm		
NAME: CL110-LED	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: NDR	SUR.:N/A	Shielding Angle:N/A

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	779	779	779	779	779	779	779	779	779	779	779	779	779	779	779	779			
5	774	773	772	771	771	772	772	772	773	776	776	776	778	778	777	775			
10	761	759	756	755	754	755	756	758	761	763	766	767	768	767	766	764			
15	738	735	732	729	729	730	732	733	739	744	746	748	750	749	747	743			
20	708	703	699	696	695	695	699	702	709	714	718	721	722	721	719	715			
25	670	665	658	654	653	654	657	662	670	677	682	685	688	686	684	678			
30	626	618	612	606	604	606	609	615	625	633	639	642	645	644	640	635			
35	574	567	559	553	551	552	556	562	573	582	588	593	596	594	591	585			
40	520	511	503	496	494	495	499	506	518	526	533	538	541	540	537	531			
45	462	452	444	438	435	437	440	447	459	468	475	480	483	483	479	472			
50	403	393	391	402	406	407	407	401	399	408	415	420	423	423	420	413			
55	344	340	338	337	336	336	339	341	351	349	355	360	363	363	360	354			
60	287	283	276	272	268	271	274	277	286	293	297	302	305	305	302	296			
65	233	227	220	215	218	219	216	222	231	236	241	246	249	249	246	240			
70	181	176	173	171	169	169	171	174	180	184	189	193	196	196	193	189			
75	133	129	125	124	122	123	124	126	132	136	141	145	148	148	145	141			
80	91.1	86.7	83.2	80.5	79.0	79.9	82.6	85.0	90.2	94.1	97.9	101	103	103	100	96.7			
85	56.8	54.0	51.2	49.3	48.4	48.8	50.9	52.7	57.6	60.3	62.9	65.1	65.9	65.3	63.6	61.0			
90	31.5	29.8	28.3	27.3	26.9	27.3	28.4	30.0	33.1	34.9	36.3	37.1	37.0	36.4	35.5	34.2			
95	14.8	15.0	15.3	15.8	16.2	16.3	16.1	16.8	16.9	16.9	16.6	16.2	15.9	15.7	15.6				
100	5.80	6.98	8.29	9.50	10.2	10.2	9.37	8.17	7.26	6.25	5.35	4.58	4.13	4.10	4.44	5.15			
105	2.28	3.72	5.21	6.42	7.09	7.03	6.23	4.84	3.33	1.84	0.62	0.21	0.22	0.24	0.24	1.08			
110	0.81	1.90	3.04	4.02	4.57	4.52	3.84	2.76	1.55	0.39	0.25	0.28	0.33	0.35	0.27	0.35			
115	0.55	0.68	1.44	2.23	2.67	2.65	2.16	1.25	0.52	0.35	0.35	0.39	0.44	0.52	0.44	0.52			
120	0.70	0.61	0.56	0.92	1.23	1.31	0.90	0.92	0.66	0.46	0.47	0.51	0.57	0.77	0.58	0.90			
125	0.91	0.77	0.74	0.77	0.86	1.15	0.87	1.13	0.90	0.59	0.62	0.70	0.64	0.99	0.76	0.97			
130	1.29	0.97	0.98	0.96	1.05	1.26	1.06	1.16	1.14	0.74	0.76	0.82	0.81	1.07	0.91	1.07			
135	1.63	1.06	1.19	1.31	1.35	1.36	1.20	1.36	1.36	1.26	0.89	0.97	0.88	0.89	1.10	1.28			
140	1.82	1.39	1.53	1.76	1.62	1.48	1.41	1.54	1.53	1.43	1.23	1.24	0.94	0.88	1.19	1.18			
145	1.61	1.75	1.75	1.94	1.71	1.63	1.63	1.69	1.57	1.52	1.20	1.32	1.28	1.33	1.30	1.32			
150	2.01	1.87	1.86	2.25	1.72	2.22	1.74	2.20	1.50	1.39	1.32	1.28	1.24	1.35	1.04	1.28			
155	1.84	1.93	2.40	1.95	1.70	2.11	1.86	1.97	1.51	1.37	1.18	1.61	1.23	1.36	1.36	1.45			
160	1.92	2.38	2.00	2.33	1.59	2.41	1.96	2.39	1.64	1.47	0.96	1.53	1.22	1.41	1.91	1.17			
165	1.87	1.93	1.97	1.93	1.64	2.05	2.10	1.96	1.48	1.47	1.52	1.47	1.85	1.52	1.15	1.34			
170	1.71	1.85	1.88	1.64	1.70	1.50	2.22	2.11	1.51	1.50	1.02	1.23	1.19	1.53	1.53	1.45			
175	1.41	1.48	1.44	1.42	1.43	1.27	1.46	1.63	1.32	1.31	0.93	1.20	1.21	1.26	1.28	1.56			
180	0.93	0.90	0.86	0.90	0.92	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93			

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