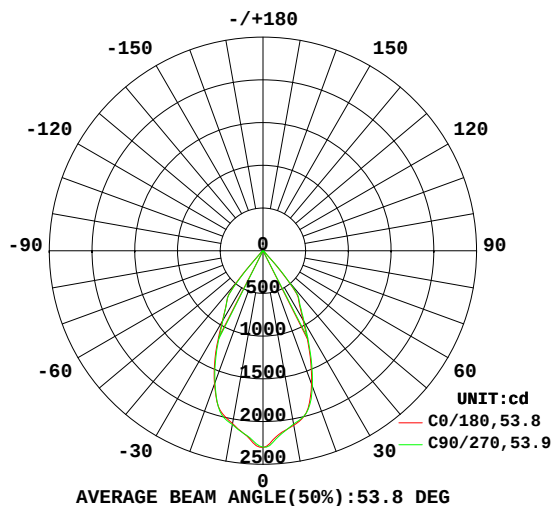


LUMINAIRE PHOTOMETRIC TEST REPORT

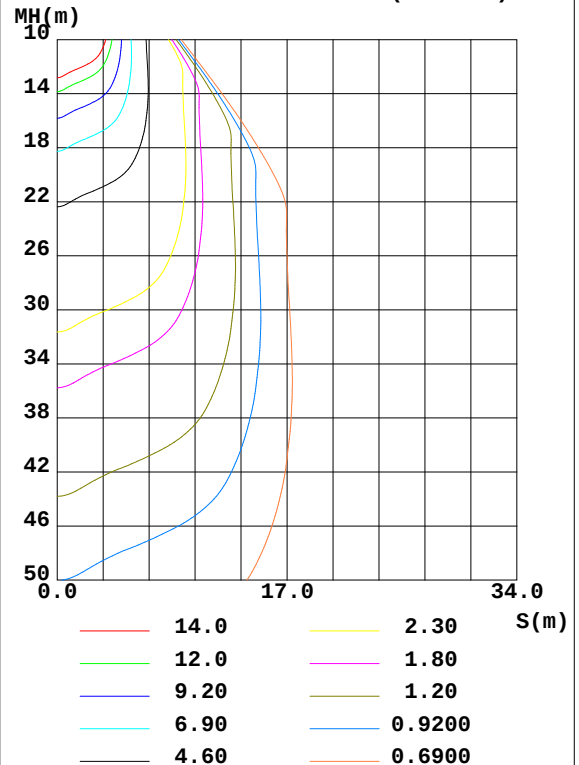
Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.39 lm/W			
MODEL	TBG-1510E 4000K	I _{max} (cd)	2302	S/MH(C0/180)	0.84
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.84
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1948.0	η UP, DN(C0-180)	0.8, 49.6
NOMINAL FLUX(lm)	1947.98	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 48.8
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

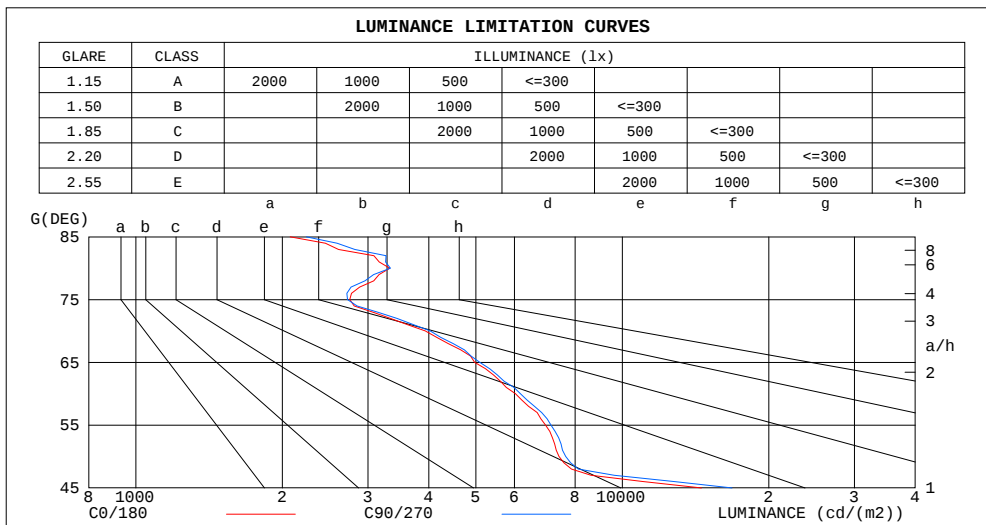
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2073	2063	2061	2063	2054	2063	2066	2073	0- 10	204.0	204.0	10.5,10.5
20	1662	1688	1689	1662	1661	1649	1644	1655	10- 20	537.4	741.4	38.1,38.1
30	941.6	955.6	966.1	956.3	954.8	945.6	941.6	941.9	20- 30	590.5	1332	68.4,68.4
40	441.7	466.9	477.7	464.3	466.4	430.2	424.3	431.5	30- 40	459.4	1791	92,92
50	25.77	25.88	26.60	27.08	26.72	25.71	25.34	25.61	40- 50	88.92	1880	96.5,96.5
60	16.31	16.08	16.70	16.59	16.48	15.73	15.92	15.96	50- 60	19.18	1899	97.5,97.5
70	7.280	7.267	7.454	7.176	7.252	6.867	7.018	7.157	60- 70	11.36	1911	98.1,98.1
80	3.125	3.240	3.133	2.978	2.990	2.812	2.826	2.879	70- 80	4.538	1915	98.3,98.3
90	0.0276	0.0367	0.0277	0.0322	0.0505	0.0460	0.0506	0.0506	80- 90	1.299	1917	98.4,98.4
100	0.0642	0.0506	0.0551	0.0596	0.1564	0.1518	0.1518	0.1518	90-100	0.0632	1917	98.4,98.4
110	0.4265	0.4126	0.4127	0.4127	0.5841	0.5888	0.6024	0.5887	100-110	0.2810	1917	98.4,98.4
120	1.431	1.376	1.367	1.381	1.683	1.720	1.738	1.720	110-120	0.9315	1918	98.5,98.5
130	4.107	3.996	3.983	4.001	4.480	4.576	4.608	4.544	120-130	2.409	1920	98.6,98.6
140	8.882	8.694	8.708	8.841	9.447	9.497	9.405	9.332	130-140	5.053	1925	98.8,98.8
150	14.02	13.63	14.11	13.90	14.74	14.80	14.83	14.58	140-150	7.278	1933	99.2,99.2
160	18.03	17.57	18.33	17.93	18.87	18.81	19.38	18.53	150-160	7.557	1940	99.6,99.6
170	21.22	21.10	21.43	21.72	21.90	21.87	21.72	21.34	160-170	5.622	1946	99.9,99.9
180	24.19	24.59	24.09	24.42	24.20	24.59	24.09	24.40	170-180	2.159	1948	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2076	2242
80	3327	3335
75	2752	2723
70	3934	4029
65	4968	5092
60	6031	6172
55	6951	7135
50	7410	7650
45	14544	16802

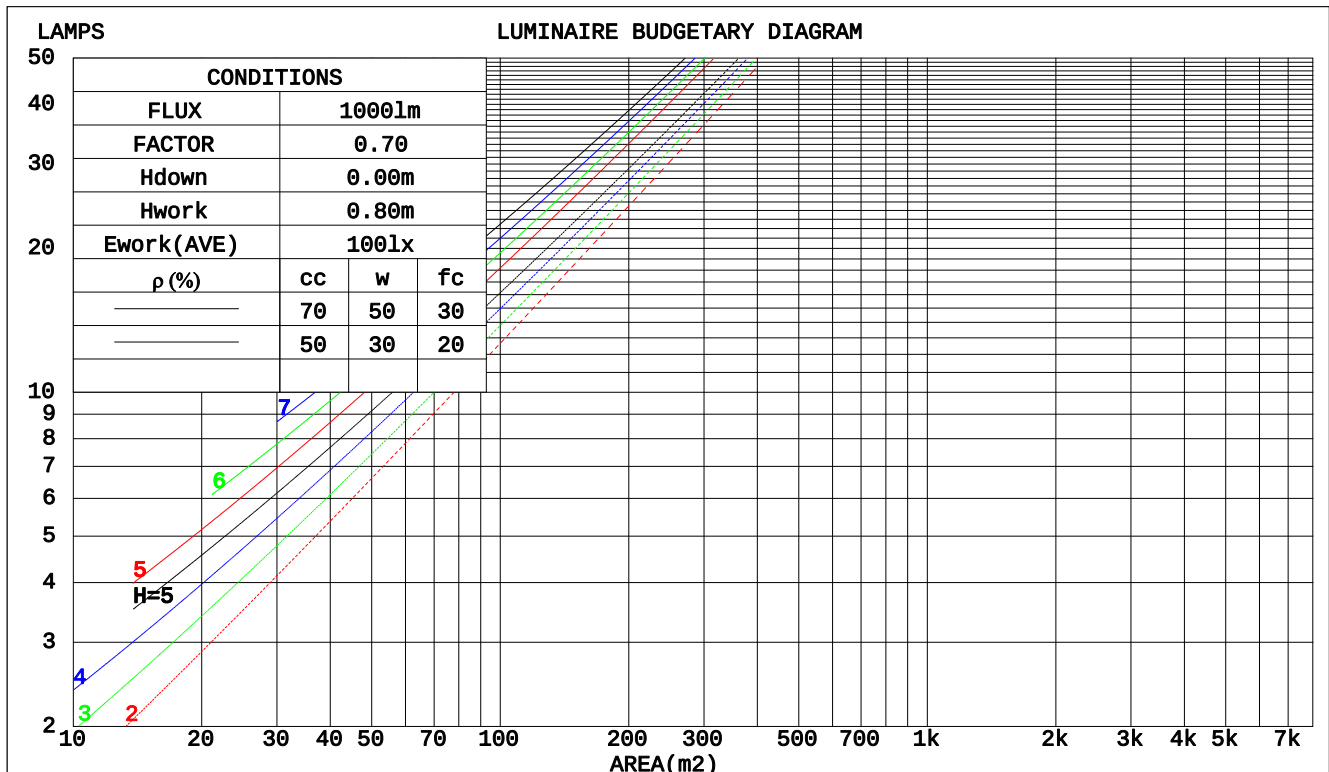
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

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						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	.98
1.0	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	.90	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.95	1.01	.97	.94	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.90	.86	.94	.89	.86	.91	.87	.84	.88	.85	.83	.86	.83	.81	.79
4.0	.89	.84	.79	.88	.83	.79	.85	.81	.78	.83	.80	.77	.81	.78	.75	.74
5.0	.83	.77	.73	.82	.77	.73	.80	.76	.72	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.68	.77	.72	.68	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.57	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.51	.59	.54	.51	.50



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm					
NAME: DL2092-BKTC20C01			TYPE:		WEIGHT:
SPEC.: black RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 83mm		Shielding Angle:

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	.181	.103	.033	.173	.099	.031	.160	.092	.029	.147	.085	.027	.136	.079	.025	
2.0	.173	.095	.029	.167	.092	.028	.155	.086	.027	.145	.081	.025	.135	.076	.024	
3.0	.165	.088	.026	.159	.085	.026	.149	.081	.025	.140	.077	.024	.132	.073	.023	
4.0	.157	.081	.024	.152	.080	.024	.144	.076	.023	.136	.073	.022	.128	.070	.021	
5.0	.149	.076	.022	.145	.075	.022	.138	.072	.021	.131	.069	.021	.124	.066	.020	
6.0	.143	.071	.020	.139	.070	.020	.132	.068	.020	.126	.066	.019	.120	.063	.019	
7.0	.136	.067	.019	.133	.066	.019	.127	.064	.019	.122	.062	.018	.116	.060	.018	
8.0	.130	.064	.018	.128	.063	.018	.122	.061	.017	.117	.059	.017	.112	.058	.017	
9.0	.125	.060	.017	.122	.060	.017	.118	.058	.016	.113	.057	.016	.109	.055	.016	
10.0	.120	.057	.016	.117	.057	.016	.113	.055	.016	.109	.054	.015	.105	.053	.015	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.184	.170	.157	.157	.146	.135	.108	.100	.093	.062	.058	.054	.020	.019	.018	
2.0	.169	.145	.125	.145	.125	.108	.099	.086	.075	.057	.050	.044	.018	.016	.014	
3.0	.157	.126	.102	.134	.109	.088	.092	.076	.062	.053	.044	.036	.017	.014	.012	
4.0	.147	.111	.085	.126	.096	.074	.087	.067	.052	.050	.039	.031	.016	.013	.010	
5.0	.138	.100	.072	.119	.087	.062	.082	.060	.044	.047	.035	.026	.015	.012	.009	
6.0	.131	.091	.062	.112	.079	.054	.078	.055	.038	.045	.032	.023	.015	.011	.008	
7.0	.124	.083	.054	.107	.072	.047	.074	.051	.034	.043	.030	.020	.014	.010	.007	
8.0	.119	.077	.048	.102	.067	.042	.071	.047	.030	.041	.028	.018	.013	.009	.006	
9.0	.114	.072	.044	.098	.062	.038	.068	.044	.027	.040	.026	.016	.013	.009	.005	
10.0	.109	.068	.040	.094	.059	.035	.065	.041	.025	.038	.024	.015	.012	.008	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm											
NAME: DL2092-BKTC20C01					TYPE:			WEIGHT:			
SPEC.: black RA90 3000K+5000K					DIM.:			SERIAL No.:			
MFR.:					SUR.: 83mm			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		18.9	19.9	19.2	20.1	20.3	19.1	20.1	19.4	20.3	20.5
	3H	18.8	19.7	19.1	19.9	20.1	19.0	19.9	19.3	20.1	20.3
	4H	18.7	19.6	19.0	19.8	20.1	18.9	19.7	19.2	20.0	20.2
	6H	18.7	19.4	19.0	19.7	20.0	18.8	19.6	19.2	19.9	20.2
	8H	18.6	19.3	18.9	19.6	19.9	18.8	19.5	19.1	19.8	20.1
	12H	18.6	19.3	18.9	19.6	19.9	18.8	19.5	19.1	19.8	20.1
4H	2H	18.7	19.5	19.0	19.8	20.0	18.9	19.7	19.2	20.0	20.2
	3H	18.6	19.3	18.9	19.6	19.9	18.8	19.5	19.1	19.8	20.1
	4H	18.5	19.1	18.9	19.5	19.8	18.7	19.3	19.1	19.7	20.0
	6H	18.4	19.0	18.8	19.3	19.7	18.6	19.2	19.0	19.5	19.9
	8H	18.4	18.9	18.8	19.3	19.7	18.6	19.1	19.0	19.5	19.9
	12H	18.3	18.8	18.8	19.2	19.6	18.5	19.0	19.0	19.4	19.8
8H	4H	18.4	18.9	18.8	19.3	19.7	18.5	19.1	19.0	19.4	19.8
	6H	18.3	18.7	18.7	19.1	19.6	18.5	18.9	18.9	19.3	19.8
	8H	18.3	18.6	18.7	19.1	19.5	18.4	18.8	18.9	19.3	19.7
	12H	18.2	18.5	18.7	19.0	19.5	18.4	18.7	18.9	19.2	19.7
12H	4H	18.3	18.8	18.7	19.2	19.6	18.5	19.0	18.9	19.4	19.8
	6H	18.2	18.6	18.7	19.1	19.5	18.4	18.8	18.9	19.2	19.7
	8H	18.2	18.5	18.7	19.0	19.5	18.4	18.7	18.9	19.2	19.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 3.1 / -10.3					+ 3.1 / -10.5					
1.5H	+ 5.8 / - 9.8					+ 5.8 / - 9.9					
2.0H	+ 2.7 / - 0.9					+ 3.4 / - 1.1					

CIE Pub.117, 1948 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.3)
Area: 0.00541 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

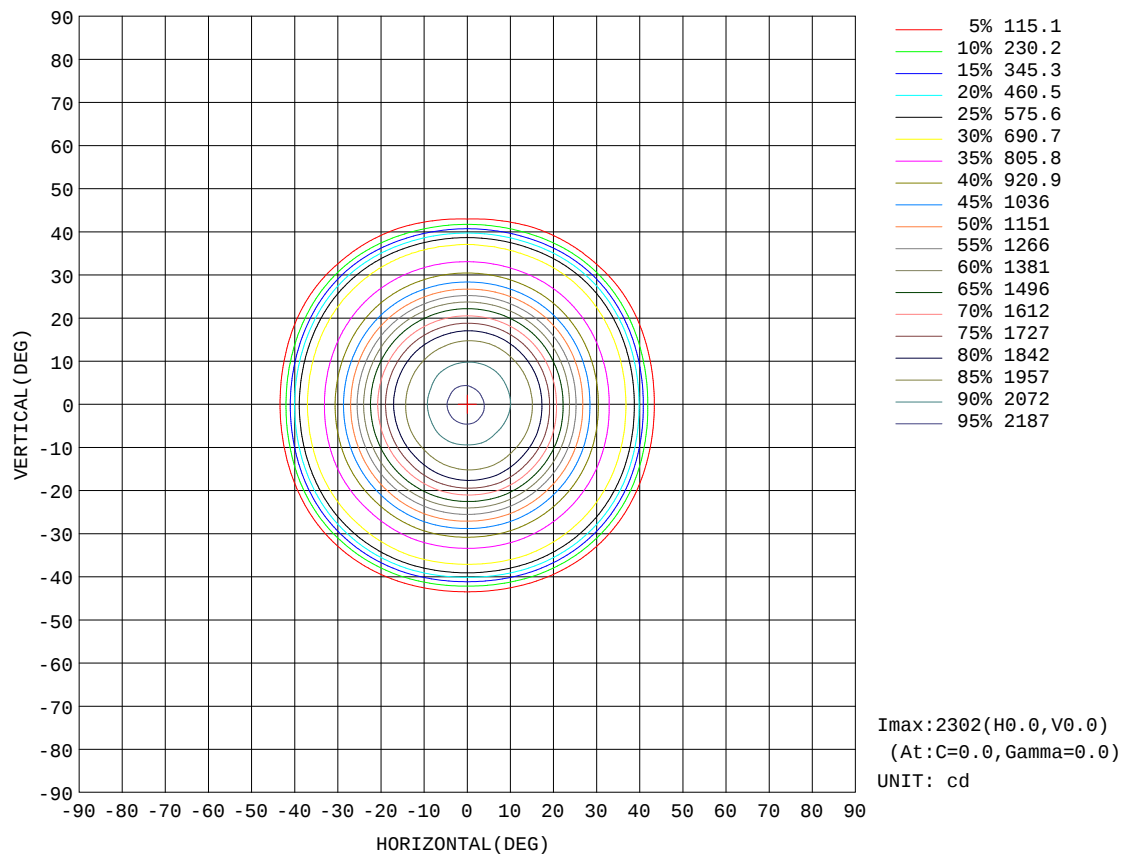
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	97	101	98	95	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	105	97
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:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

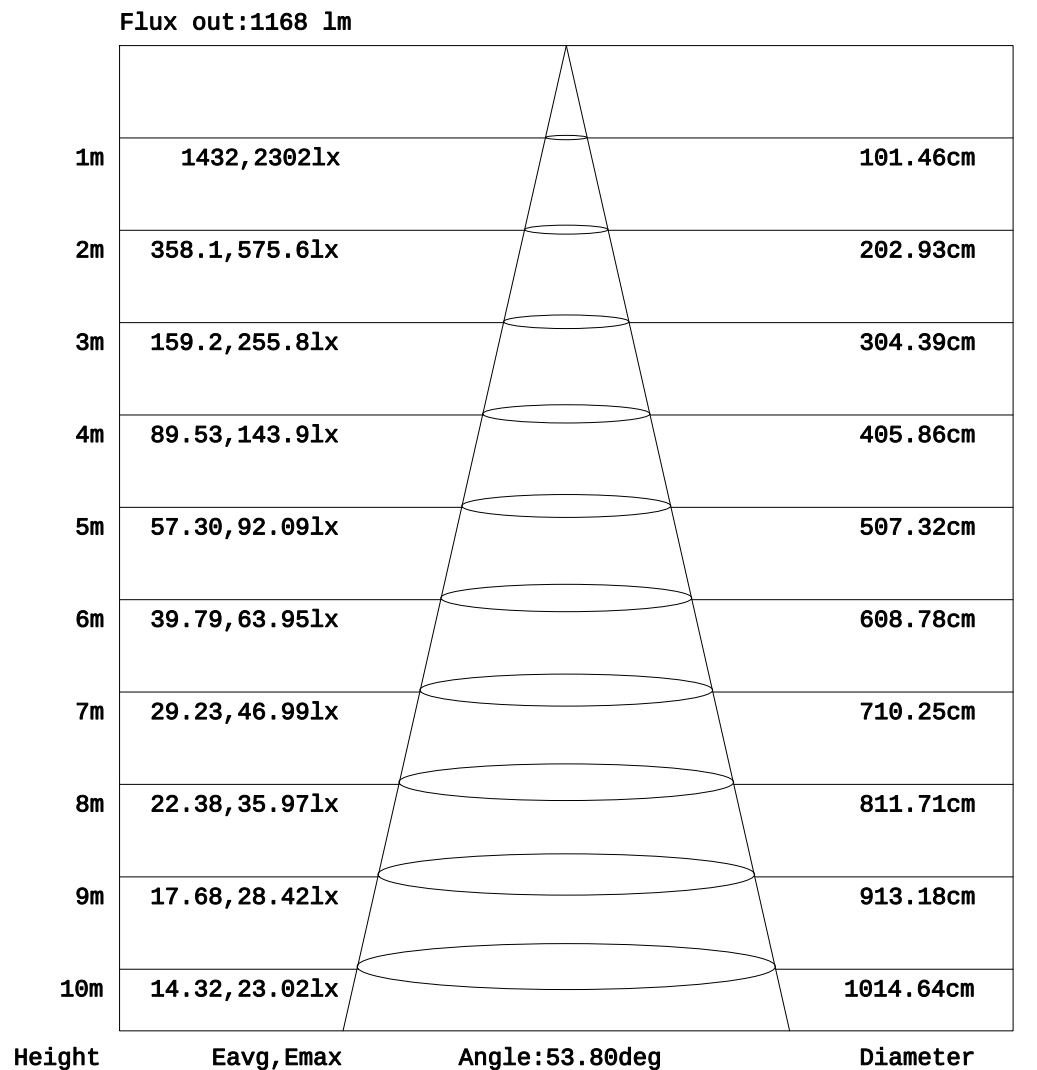


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

AAI Figure

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



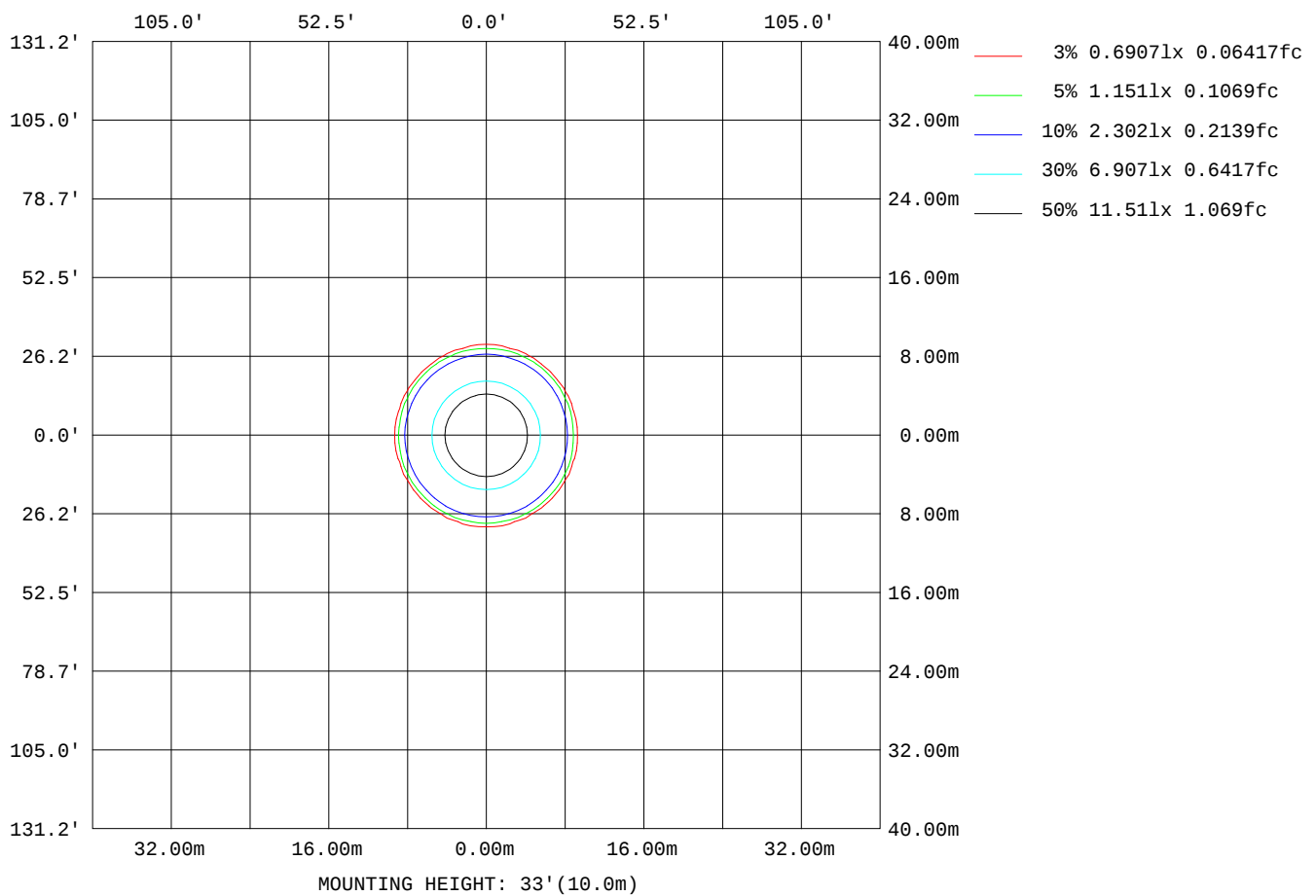
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

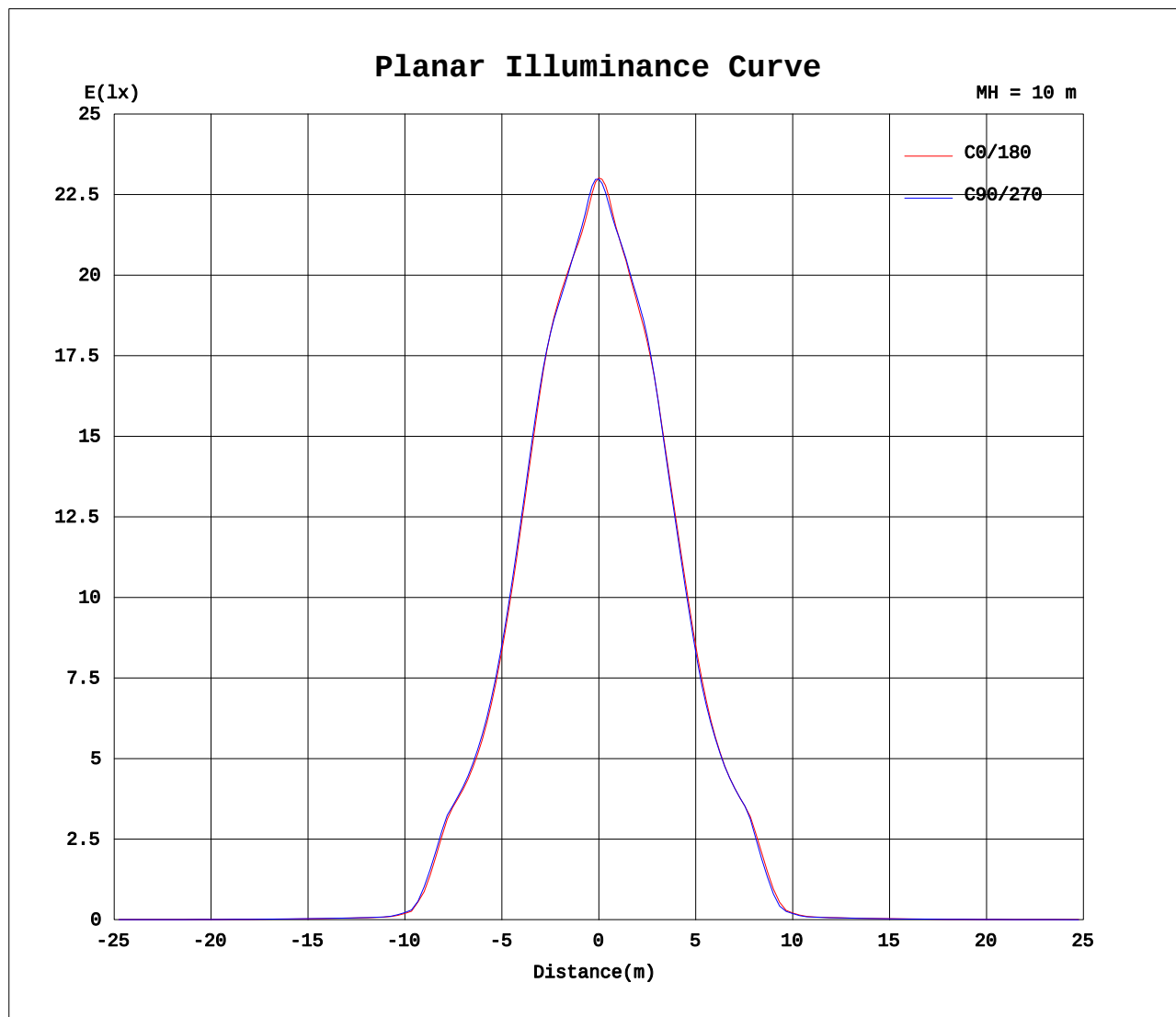
AvgL	cd/m2
L_0~180(65)av	4990
L_0~180(75)av	2702
L_0~180(85)av	2066
L_90~270(65)av	4963
L_90~270(75)av	2645
L_90~270(85)av	2106
L_45(65)av	4941
L_45(75)av	2688
L_45(85)av	2070

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.03V I:0.0917A P:20.638W PF:0.9741 Freq:49.99Hz Lamp Flux:1947.98x1 lm																	
NAME: DL2092-BKTC20C01									TYPE:						WEIGHT:		
SPEC.: black RA90 3000K+5000K									DIM.:						SERIAL No.:		
MFR.:									SUR.: 83mm						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	2302	2299	2299	2299	2298	2298	2298	2297	2302	2299	2299	2299	2298	2298	2298	2297			
5	2156	2161	2164	2172	2175	2174	2178	2177	2177	2172	2175	2175	2170	2162	2156	2154			
10	2073	2068	2063	2065	2061	2063	2063	2052	2054	2051	2063	2064	2066	2071	2073	2072			
15	1961	1965	1962	1971	1966	1955	1940	1937	1935	1934	1934	1937	1947	1954	1952	1955			
20	1662	1684	1688	1703	1689	1679	1662	1658	1661	1656	1649	1643	1644	1647	1655	1657			
25	1282	1293	1298	1309	1309	1310	1305	1305	1308	1294	1287	1281	1282	1283	1287	1287			
30	942	952	956	966	966	970	956	959	955	945	946	942	942	939	942	942			
35	736	742	746	754	751	751	741	747	745	744	742	744	744	740	739	737			
40	442	464	467	485	478	484	464	463	466	439	430	419	424	418	431	436			
45	55.6	59.1	60.9	64.0	64.3	65.3	63.0	60.9	60.0	56.3	55.8	53.7	54.3	54.2	55.4	55.5			
50	25.8	25.9	25.9	26.4	26.6	26.9	27.1	27.0	26.7	26.0	25.7	25.4	25.3	25.6	25.6	25.8			
55	21.6	21.7	21.7	21.8	22.1	22.6	22.5	22.3	22.1	21.6	21.2	21.0	21.1	21.4	21.3	21.6			
60	16.3	16.3	16.1	16.4	16.7	16.6	16.6	16.4	16.5	16.0	15.7	15.5	15.9	15.9	16.0	15.9			
65	11.4	11.6	11.4	11.7	11.6	11.8	11.5	11.5	11.5	11.2	11.0	11.0	11.0	11.2	11.3	11.4			
70	7.28	7.45	7.27	7.50	7.45	7.46	7.18	7.25	7.25	7.02	6.87	6.87	7.02	7.08	7.16	7.26			
75	3.85	3.81	3.89	3.87	3.81	3.77	3.78	3.75	3.71	3.59	3.47	3.54	3.59	3.72	3.92	3.97			
80	3.13	3.23	3.24	3.13	3.13	3.00	2.98	2.97	2.99	2.89	2.81	2.70	2.83	2.91	2.88	2.94			
85	0.98	1.08	1.07	1.11	1.06	1.04	0.95	0.92	0.97	0.96	0.93	0.90	0.93	0.93	0.95	0.97			
90	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04			
95	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.06	0.08	0.05	0.08	0.05	0.09	0.04	0.08	0.05			
100	0.06	0.11	0.05	0.10	0.06	0.10	0.06	0.11	0.16	0.12	0.15	0.11	0.15	0.11	0.15	0.10			
105	0.19	0.23	0.19	0.23	0.19	0.23	0.18	0.23	0.32	0.27	0.32	0.27	0.32	0.27	0.31	0.27			
110	0.43	0.46	0.41	0.45	0.41	0.45	0.41	0.46	0.58	0.55	0.59	0.56	0.60	0.56	0.59	0.54			
115	0.80	0.83	0.78	0.81	0.78	0.81	0.78	0.82	1.01	0.98	1.03	1.00	1.04	1.00	1.02	0.97			
120	1.43	1.44	1.38	1.41	1.37	1.41	1.38	1.42	1.68	1.68	1.72	1.71	1.74	1.71	1.72	1.68			
125	2.41	2.39	2.34	2.34	2.33	2.35	2.35	2.38	2.80	2.83	2.86	2.87	2.89	2.87	2.85	2.82			
130	4.11	4.03	4.00	3.97	3.98	3.97	4.00	4.02	4.48	4.54	4.58	4.62	4.61	4.60	4.54	4.52			
135	6.32	6.22	6.20	6.19	6.21	6.22	6.26	6.27	6.80	6.87	6.90	6.95	6.91	6.88	6.81	6.76			
140	8.88	8.64	8.69	8.62	8.71	8.70	8.84	8.81	9.45	9.45	9.50	9.50	9.41	9.39	9.33	9.29			
145	11.4	11.1	11.2	11.2	11.4	11.3	11.4	11.4	12.1	12.1	12.2	12.2	12.2	12.0	12.0	11.9			
150	14.0	13.6	13.6	13.8	14.1	13.9	13.9	14.0	14.7	14.7	14.8	14.9	14.8	14.7	14.6	14.4			
155	16.2	15.8	15.7	15.9	16.4	16.2	16.0	16.2	17.0	16.9	17.0	17.3	17.3	17.0	16.7	16.4			
160	18.0	17.7	17.6	17.9	18.3	18.1	17.9	18.3	18.9	18.7	18.8	19.2	19.4	19.0	18.5	18.2			
165	19.7	19.4	19.2	19.6	20.0	19.8	19.8	20.1	20.4	20.4	20.3	20.6	20.8	20.5	19.9	19.8			
170	21.2	21.0	21.1	21.4	21.4	21.4	21.7	22.0	21.9	22.1	21.9	21.7	21.7	21.6	21.3	21.4			
175	22.9	22.9	23.1	23.0	22.9	23.0	23.5	23.6	23.3	23.7	23.7	23.3	22.8	23.0	23.2	23.0			
180	24.2	24.2	24.6	24.3	24.1	24.0	24.4	24.2	24.2	24.2	24.6	24.2	24.1	24.0	24.4	24.2			

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C Interval: 22.5DEG
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