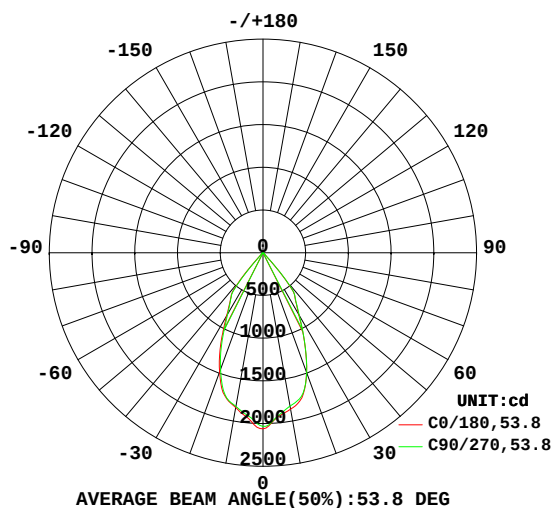


LUMINAIRE PHOTOMETRIC TEST REPORT

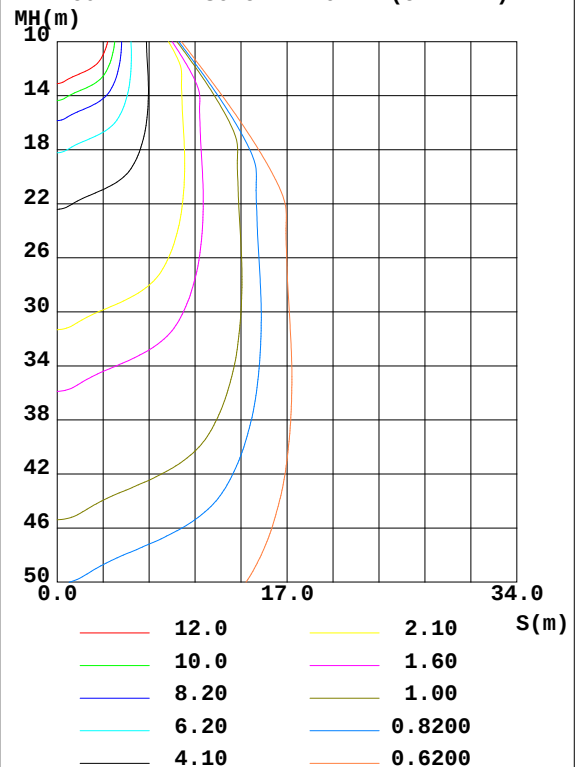
Test:U:231.03V I:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.54 lm/W			
MODEL	TBG-1510E 3000K	I _{max} (cd)	2060	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)	1724.3	η UP, DN(C0-180)	0.8, 49.6
NOMINAL FLUX(lm)	1724.27	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:

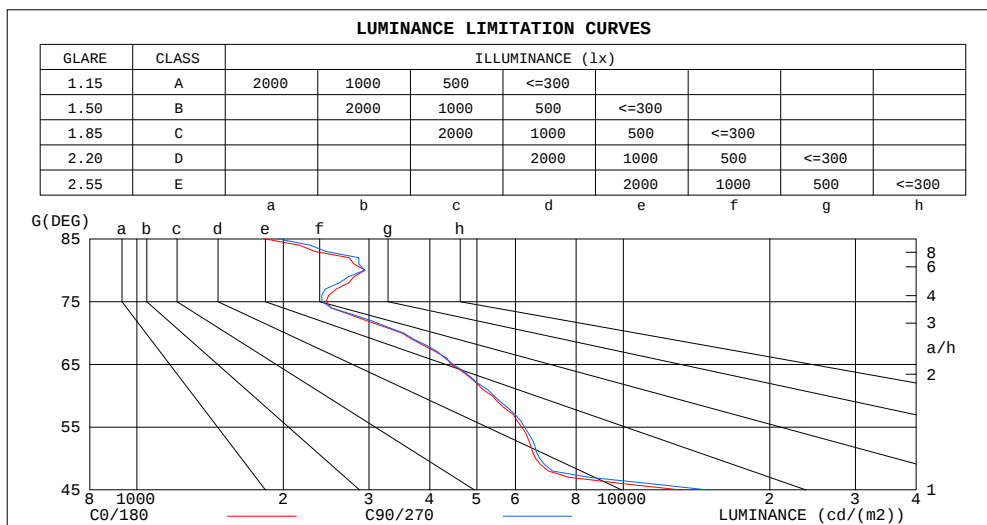
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1859	1838	1822	1813	1840	1836	1826	1821	0- 10	180.8	180.8	10.5,10.5
20	1492	1503	1495	1459	1485	1465	1452	1456	10- 20	476.1	656.8	38.1,38.1
30	842.4	847.1	851.7	840.3	851.4	835.6	831.4	828.6	20- 30	522.4	1179	68.4,68.4
40	400.8	424.6	423.5	402.4	414.4	381.9	375.4	378.3	30- 40	406.5	1586	92,92
50	22.95	22.92	23.41	23.66	23.85	22.76	22.28	22.41	40- 50	78.89	1665	96.5,96.5
60	14.53	14.23	14.66	14.49	14.71	13.92	14.00	13.96	50- 60	16.89	1681	97.5,97.5
70	6.484	6.434	6.535	6.283	6.481	6.092	6.206	6.244	60- 70	10.01	1691	98.1,98.1
80	2.767	2.876	2.761	2.592	2.646	2.496	2.500	2.517	70- 80	3.999	1695	98.3,98.3
90	0.0184	0.0138	0.0093	0.0138	0.0323	0.0367	0.0369	0.0367	80- 90	1.133	1697	98.4,98.4
100	0.0502	0.0365	0.0319	0.0410	0.1289	0.1197	0.1288	0.1197	90-100	0.0423	1697	98.4,98.4
110	0.3578	0.3394	0.3438	0.3438	0.5197	0.5198	0.5198	0.5060	100-110	0.2349	1697	98.4,98.4
120	1.257	1.211	1.193	1.197	1.527	1.536	1.531	1.513	110-120	0.8122	1698	98.5,98.5
130	3.652	3.519	3.501	3.510	4.020	4.056	4.066	3.987	120-130	2.119	1700	98.6,98.6
140	7.923	7.684	7.661	7.744	8.481	8.458	8.320	8.201	130-140	4.460	1704	98.8,98.8
150	12.50	12.10	12.41	12.19	13.25	13.17	13.11	12.78	140-150	6.433	1711	99.2,99.2
160	16.10	15.58	16.15	15.72	16.95	16.76	17.12	16.26	150-160	6.681	1717	99.6,99.6
170	18.97	18.70	18.87	19.02	19.64	19.47	19.17	18.74	160-170	4.972	1722	99.9,99.9
180	21.63	21.79	21.24	21.41	21.72	21.88	21.29	21.43	170-180	1.909	1724	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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 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	1831	1948
80	2945	2939
75	2450	2401
70	3504	3532
65	4419	4469
60	5371	5419
55	6182	6264
50	6601	6733
45	13111	14925

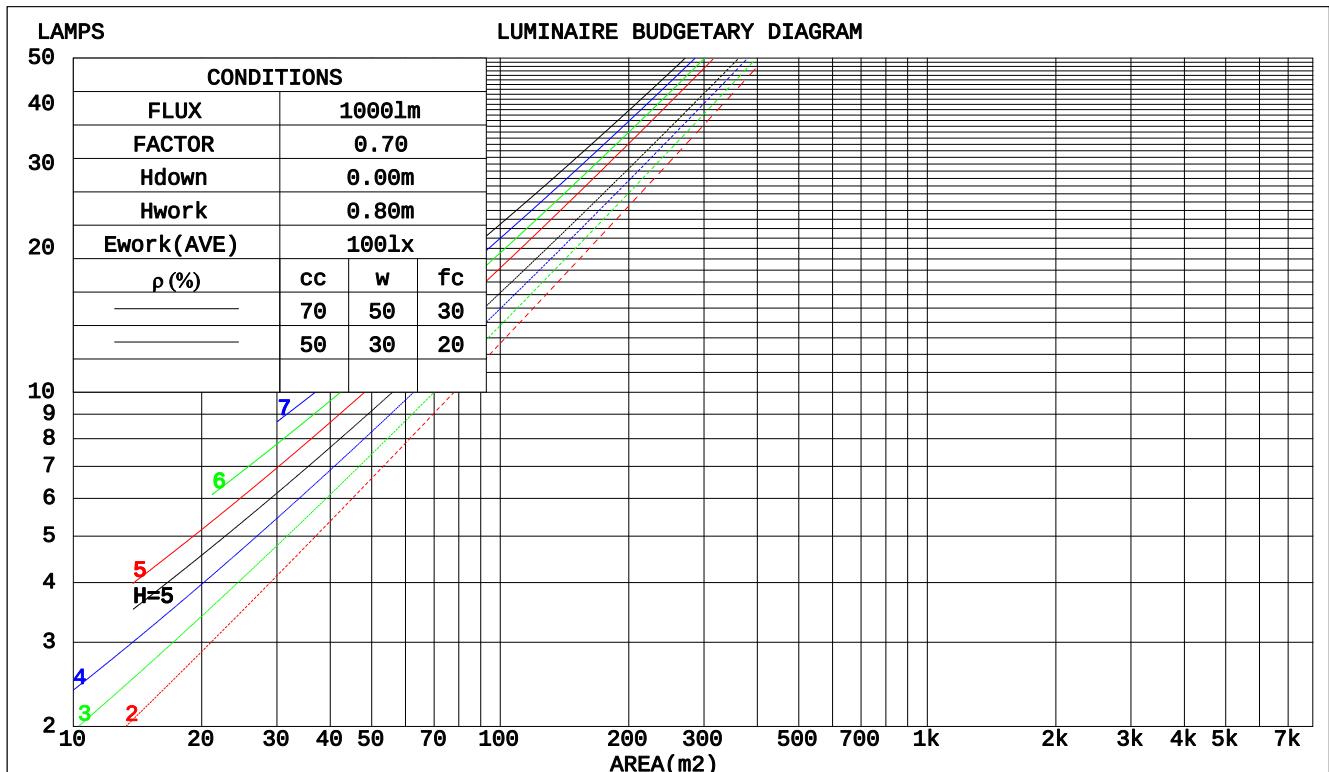
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 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	.79	.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	.63	.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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 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	.142	.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	.127	.063	.018	.122	.061	.017	.117	.059	.017	.112	.058	.017	
9.0	.125	.060	.017	.122	.060	.017	.117	.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	

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	.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	.086	.067	.052	.050	.039	.031	.016	.013	.010	
5.0	.138	.100	.072	.119	.086	.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	.007	
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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 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		19.0	19.9	19.2	20.1	20.3	19.1	20.0	19.3	20.2	20.4
	3H	18.8	19.7	19.1	19.9	20.2	19.0	19.8	19.2	20.1	20.3
	4H	18.7	19.6	19.0	19.8	20.1	18.9	19.7	19.2	19.9	20.2
	6H	18.7	19.4	19.0	19.7	20.0	18.8	19.6	19.1	19.8	20.1
	8H	18.6	19.4	19.0	19.7	19.9	18.8	19.5	19.1	19.8	20.1
	12H	18.6	19.3	18.9	19.6	19.9	18.7	19.4	19.1	19.7	20.0
4H	2H	18.7	19.5	19.0	19.8	20.0	18.8	19.7	19.1	19.9	20.2
	3H	18.6	19.3	18.9	19.6	19.9	18.7	19.4	19.1	19.7	20.0
	4H	18.5	19.1	18.9	19.5	19.8	18.6	19.3	19.0	19.6	19.9
	6H	18.4	19.0	18.8	19.4	19.7	18.6	19.1	19.0	19.5	19.9
	8H	18.4	18.9	18.8	19.3	19.7	18.5	19.0	18.9	19.4	19.8
	12H	18.4	18.8	18.8	19.2	19.7	18.5	18.9	18.9	19.3	19.8
8H	4H	18.4	18.9	18.8	19.3	19.7	18.5	19.0	18.9	19.4	19.8
	6H	18.3	18.7	18.8	19.2	19.6	18.4	18.9	18.9	19.3	19.7
	8H	18.3	18.6	18.7	19.1	19.6	18.4	18.8	18.9	19.2	19.7
	12H	18.2	18.5	18.7	19.0	19.5	18.3	18.7	18.8	19.1	19.6
12H	4H	18.3	18.8	18.8	19.2	19.6	18.4	18.9	18.9	19.3	19.7
	6H	18.3	18.6	18.7	19.1	19.6	18.4	18.8	18.9	19.2	19.7
	8H	18.2	18.5	18.7	19.0	19.5	18.3	18.7	18.8	19.1	19.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 3.1 / -10.5					+ 3.2 / -10.6				
1.5H		+ 5.8 / -10.0					+ 5.9 / -10.0				
2.0H		+ 2.8 / - 0.9					+ 3.4 / - 1.1				

CIE Pub.117, 1724 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.9)
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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

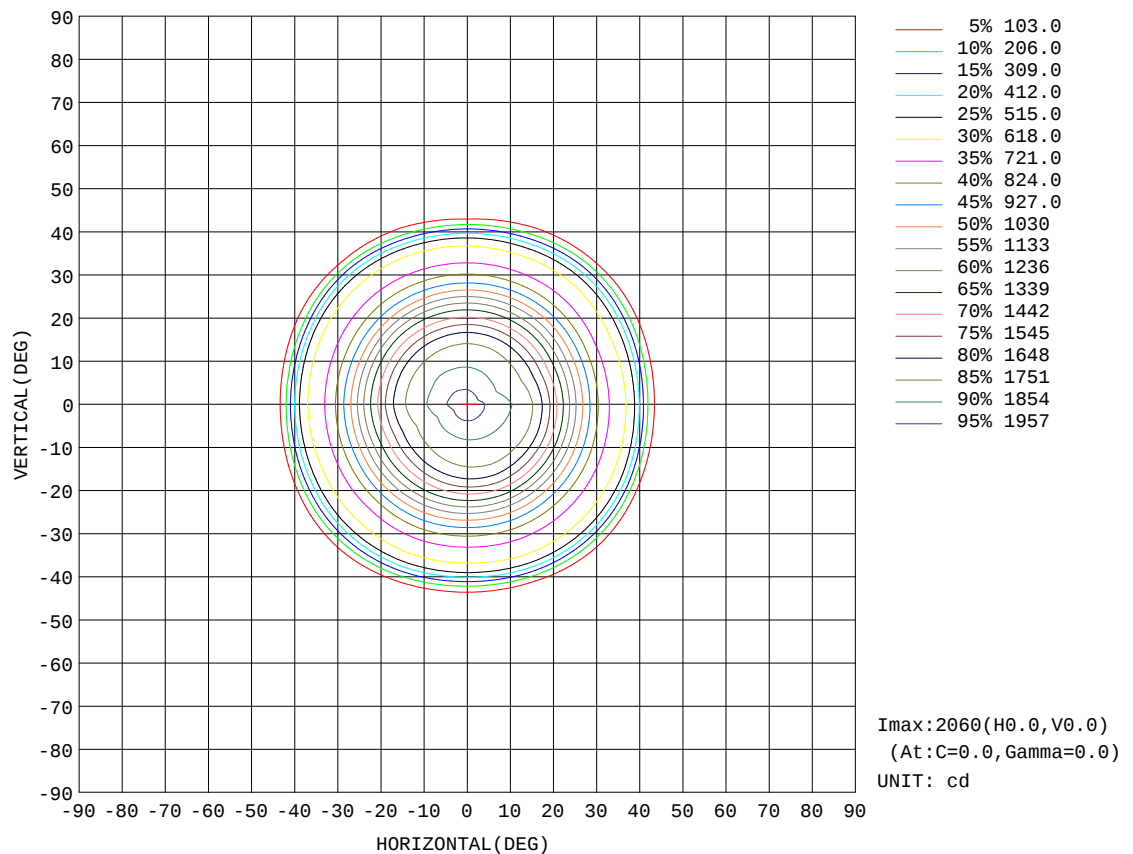
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

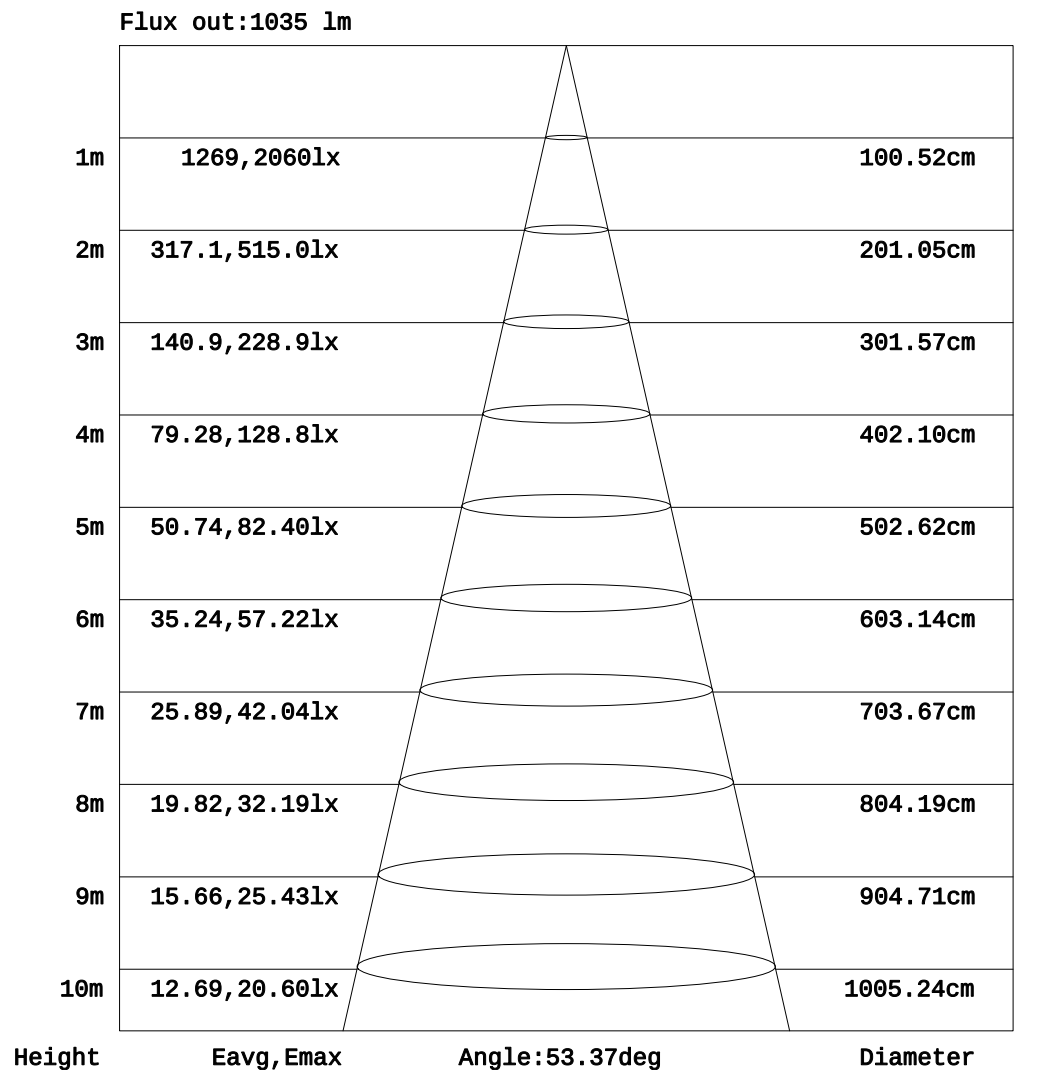


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



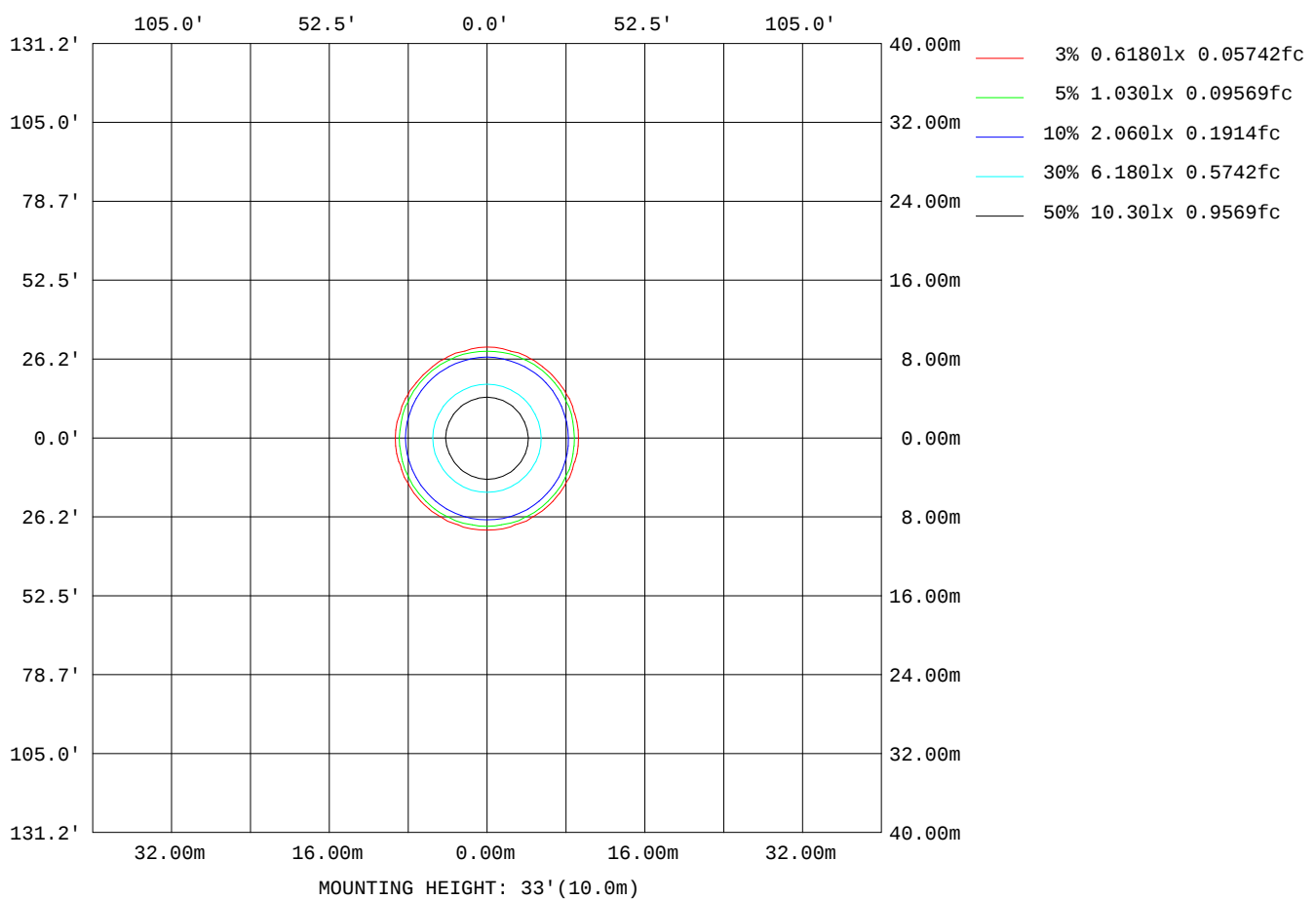
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

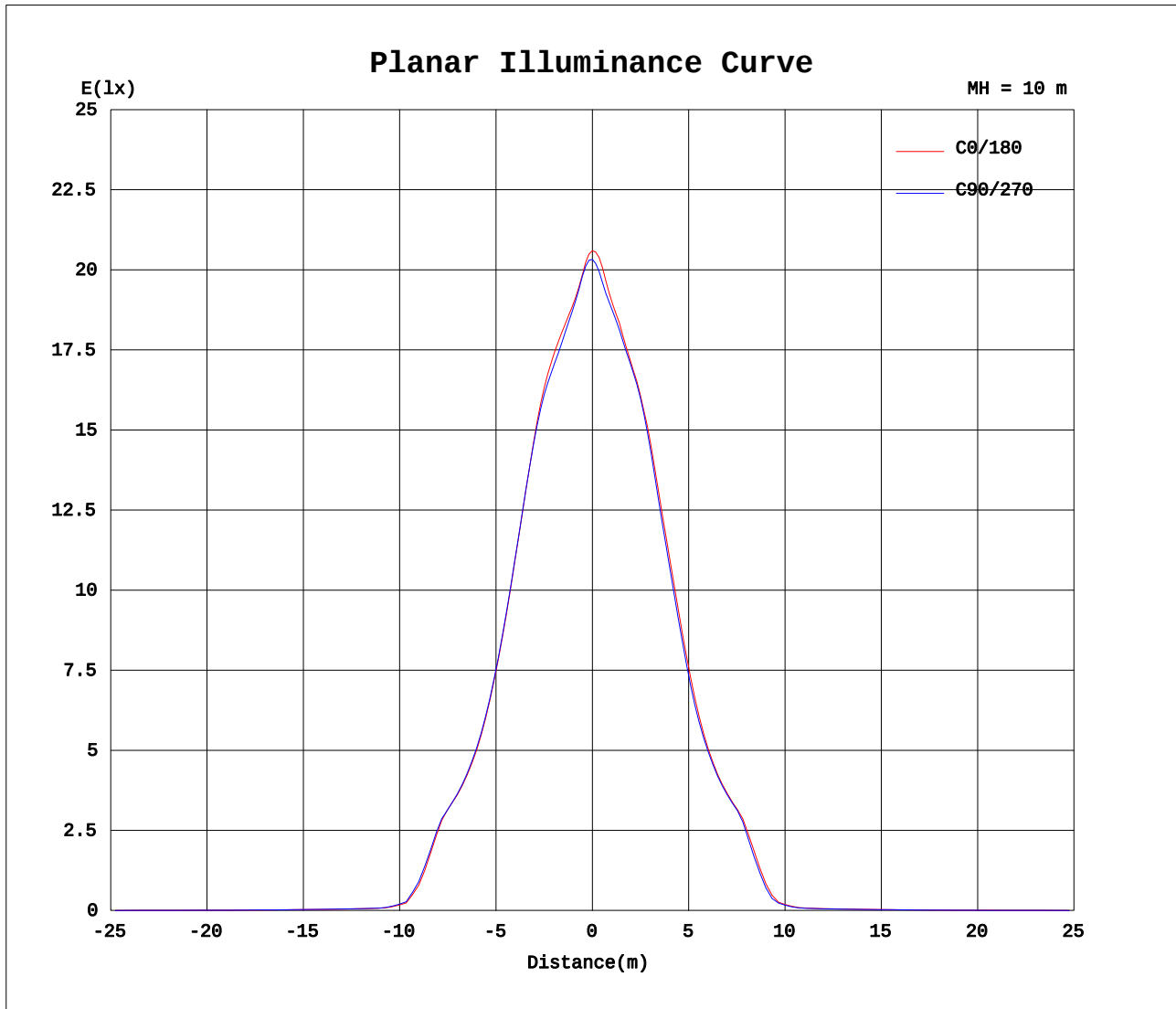
AvgL	cd/m2
L_0~180(65)av	4449
L_0~180(75)av	2405
L_0~180(85)av	1808
L_90~270(65)av	4359
L_90~270(75)av	2327
L_90~270(85)av	1823
L_45(65)av	4350
L_45(75)av	2368
L_45(85)av	1804

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:0.0999A P:22.527W PF:0.9764 Freq:49.99Hz Lamp Flux:1724.27x1 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	2060	2052	2043	2036	2033	2024	2017	2014	2060	2052	2043	2036	2033	2024	2017	2014			
5	1935	1931	1928	1925	1924	1918	1916	1908	1949	1935	1933	1926	1921	1907	1896	1891			
10	1859	1848	1838	1831	1822	1818	1813	1802	1840	1829	1836	1829	1826	1824	1821	1817			
15	1758	1760	1750	1751	1740	1722	1703	1694	1731	1729	1722	1718	1721	1719	1712	1713			
20	1492	1505	1503	1512	1495	1480	1459	1452	1485	1474	1465	1454	1452	1451	1456	1456			
25	1148	1153	1151	1158	1156	1154	1148	1143	1166	1147	1139	1130	1132	1131	1135	1131			
30	842	848	847	854	852	855	840	840	851	838	836	831	831	828	829	826			
35	659	664	664	669	664	662	650	654	665	661	658	658	657	651	649	646			
40	401	422	425	435	423	426	402	400	414	387	382	368	375	369	378	382			
45	50.2	52.7	53.9	56.6	57.1	58.4	56.0	53.9	53.7	49.7	49.3	47.3	48.2	48.3	49.3	49.1			
50	23.0	23.0	22.9	23.3	23.4	23.6	23.7	23.6	23.8	23.1	22.8	22.4	22.3	22.4	22.4	22.5			
55	19.2	19.3	19.2	19.3	19.4	19.8	19.7	19.5	19.7	19.2	18.8	18.5	18.6	18.7	18.6	18.8			
60	14.5	14.4	14.2	14.4	14.7	14.6	14.5	14.3	14.7	14.2	13.9	13.7	14.0	14.0	14.0	13.9			
65	10.1	10.3	10.1	10.3	10.2	10.3	10.1	10.1	10.2	9.93	9.74	9.65	9.71	9.81	9.86	9.92			
70	6.48	6.61	6.43	6.60	6.53	6.52	6.28	6.32	6.48	6.21	6.09	6.07	6.21	6.21	6.24	6.30			
75	3.43	3.39	3.44	3.42	3.36	3.31	3.32	3.28	3.31	3.18	3.07	3.12	3.15	3.28	3.44	3.48			
80	2.77	2.86	2.88	2.76	2.76	2.62	2.59	2.58	2.65	2.57	2.50	2.38	2.50	2.56	2.52	2.56			
85	0.86	0.95	0.95	0.96	0.92	0.90	0.82	0.80	0.84	0.83	0.81	0.78	0.80	0.81	0.82	0.84			
90	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.04	0.03	0.04	0.02	0.04	0.02			
95	0.01	0.04	0.01	0.03	0.01	0.04	0.01	0.03	0.07	0.03	0.06	0.03	0.06	0.02	0.06	0.02			
100	0.05	0.08	0.04	0.07	0.03	0.08	0.04	0.08	0.13	0.08	0.12	0.08	0.13	0.07	0.12	0.07			
105	0.16	0.19	0.14	0.18	0.14	0.18	0.14	0.19	0.27	0.22	0.28	0.22	0.28	0.22	0.27	0.21			
110	0.36	0.39	0.34	0.38	0.34	0.38	0.34	0.39	0.52	0.47	0.52	0.48	0.52	0.47	0.51	0.45			
115	0.71	0.72	0.67	0.70	0.65	0.70	0.66	0.71	0.91	0.86	0.91	0.87	0.91	0.86	0.89	0.85			
120	1.26	1.26	1.21	1.22	1.19	1.23	1.20	1.25	1.53	1.48	1.54	1.50	1.53	1.48	1.51	1.46			
125	2.13	2.12	2.05	2.06	2.03	2.06	2.05	2.08	2.50	2.47	2.53	2.52	2.54	2.50	2.49	2.44			
130	3.65	3.58	3.52	3.49	3.50	3.50	3.51	3.53	4.02	4.03	4.06	4.06	4.07	4.03	3.99	3.93			
135	5.63	5.52	5.47	5.46	5.48	5.48	5.50	5.51	6.13	6.12	6.14	6.14	6.10	6.06	5.99	5.91			
140	7.92	7.69	7.68	7.61	7.66	7.65	7.74	7.72	8.48	8.42	8.46	8.39	8.32	8.26	8.20	8.11			
145	10.2	9.93	9.91	9.91	10.0	9.97	10.0	10.00	10.9	10.8	10.9	10.8	10.8	10.6	10.5	10.4			
150	12.5	12.2	12.1	12.2	12.4	12.3	12.2	12.3	13.2	13.1	13.2	13.1	13.1	12.9	12.8	12.5			
155	14.4	14.1	14.0	14.1	14.4	14.3	14.1	14.2	15.3	15.0	15.2	15.3	15.3	15.0	14.7	14.3			
160	16.1	15.8	15.6	15.9	16.1	16.0	15.7	16.0	17.0	16.7	16.8	17.0	17.1	16.7	16.3	15.9			
165	17.6	17.2	17.1	17.4	17.6	17.4	17.3	17.6	18.3	18.1	18.0	18.3	18.4	18.0	17.5	17.3			
170	19.0	18.7	18.7	18.9	18.9	18.9	19.0	19.3	19.6	19.7	19.5	19.2	19.2	18.9	18.7	18.7			
175	20.5	20.4	20.5	20.4	20.2	20.3	20.6	20.6	20.9	21.1	21.1	20.5	20.2	20.2	20.3	20.1			
180	21.6	21.7	21.8	21.4	21.2	21.1	21.4	21.2	21.7	21.6	21.9	21.4	21.3	21.1	21.4	21.2			

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C Interval: 22.5DEG
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