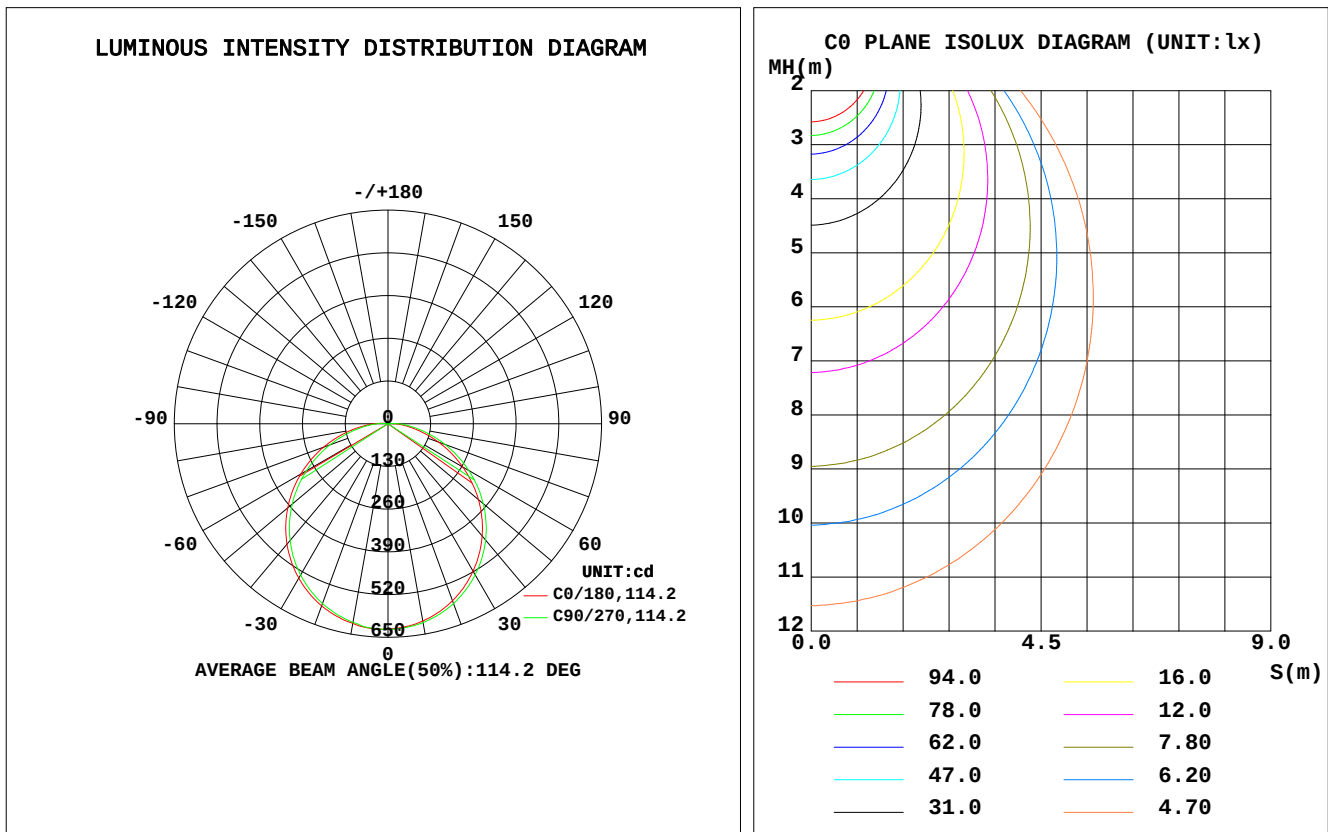


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.2 lm/W			
MODEL		Imax(cd)	580	S/MH(C0/180)	1.29
NOMINAL POWER(W)	21W	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	2000	η UP, DN(C0-180)	0.7, 48.4
NOMINAL FLUX(lm)	2000	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 50.0
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	98.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

Checker: CHENXIAOFU

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Assessor: Ju Hongli

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	619.5	619.7	622.4	624.9	624.9	624.0	623.4	622.2	0- 5	14.92	14.92	0.79,0.79
10	609.3	609.7	614.3	616.9	617.0	617.6	613.7	612.6	5- 10	44.24	59.16	3.12,3.12
15	594.3	595.3	601.1	604.8	606.2	605.9	600.4	597.6	10- 15	72.04	131.2	6.92,6.92
20	573.7	575.1	582.7	587.7	590.0	588.8	582.8	577.4	15- 20	97.47	228.7	12.1,12.1
25	548.0	550.5	558.8	566.1	568.7	566.8	559.3	552.8	20- 25	119.7	348.3	18.4,18.4
30	517.5	521.1	530.8	539.2	543.0	540.6	531.6	523.2	25- 30	137.9	486.2	25.6,25.6
35	483.7	487.9	498.7	508.4	512.5	509.5	499.9	489.8	30- 35	151.6	637.9	33.6,33.6
40	445.6	450.5	462.2	473.2	478.4	474.8	463.5	452.3	35- 40	160.4	798.2	42.1,42.1
45	404.0	409.2	422.0	434.2	440.1	436.1	423.8	411.3	40- 45	163.9	962.1	50.7,50.7
50	359.5	365.2	378.5	392.0	398.4	394.1	380.6	367.0	45- 50	162.0	1124	59.3,59.3
55	311.1	318.3	332.3	346.8	353.9	348.5	334.9	319.3	50- 55	155.0	1279	67.4,67.4
60	262.3	269.6	283.7	299.4	306.9	300.8	286.8	270.5	55- 60	142.8	1422	75,75
65	212.6	220.1	234.2	250.6	258.2	251.8	237.6	221.0	60- 65	126.5	1548	81.6,81.6
70	163.3	170.6	184.8	201.2	208.6	202.1	188.0	171.7	65- 70	106.8	1655	87.3,87.3
75	116.0	123.9	137.4	152.7	159.4	153.1	139.7	123.9	70- 75	84.65	1740	91.7,91.7
80	75.87	82.60	94.43	107.9	113.0	107.7	96.17	82.24	75- 80	62.07	1802	95,95
85	44.25	49.35	58.48	68.90	73.05	68.71	59.69	48.81	80- 85	41.44	1843	97.2,97.2
90	22.06	25.37	31.40	37.96	41.31	37.83	32.50	24.99	85- 90	24.39	1868	98.5,98.5
95	8.829	9.385	13.24	9.197	19.21	9.070	13.85	9.129	90- 95	11.74	1880	99.1,99.1
100	2.781	1.633	1.493	1.385	3.556	1.178	1.515	1.572	95-100	2.808	1882	99.2,99.2
105	1.823	1.769	1.652	1.653	1.488	1.415	1.602	1.612	100-105	0.8500	1883	99.3,99.3
110	2.055	2.078	1.942	1.922	1.777	1.702	1.862	1.898	105-110	0.9220	1884	99.3,99.3
115	2.352	2.450	2.251	2.201	2.038	1.955	2.130	2.108	110-115	1.036	1885	99.4,99.4
120	2.564	2.822	2.529	2.428	2.252	2.209	2.377	2.384	115-120	1.129	1886	99.4,99.4
125	2.768	3.172	2.809	2.636	2.470	2.466	2.708	2.593	120-125	1.186	1887	99.5,99.5
130	3.150	3.411	3.119	2.874	2.852	2.579	2.957	2.778	125-130	1.226	1889	99.6,99.6
135	3.399	3.451	3.460	3.162	3.089	2.830	3.390	3.123	130-135	1.253	1890	99.6,99.6
140	3.582	3.532	3.647	3.359	3.207	3.110	3.462	3.241	135-140	1.233	1891	99.7,99.7
145	3.719	3.752	3.781	3.597	3.390	3.357	3.752	3.450	140-145	1.161	1892	99.8,99.8
150	3.907	4.080	3.985	3.864	3.668	3.789	3.817	3.781	145-150	1.105	1893	99.8,99.8
155	3.988	4.143	3.949	3.956	3.876	3.812	3.865	3.964	150-155	0.9858	1894	99.9,99.9
160	4.139	4.216	4.122	4.061	4.009	3.863	4.155	4.080	155-160	0.8391	1895	99.9,99.9
165	4.226	4.505	4.463	4.278	4.133	4.039	4.453	4.432	160-165	0.6930	1896	99.9,99.9
170	4.401	4.784	4.711	4.432	4.391	4.256	4.629	4.803	165-170	0.5225	1897	100,100
175	5.102	5.466	4.866	4.930	4.692	4.752	5.094	5.424	170-175	0.3369	1897	100,100
180	6.147	5.786	6.044	5.961	6.075	5.786	5.951	5.930	175-180	0.1287	1897	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 962.11 lm

%lum = 50.7%

%lamp = 50.7%

Conical surface Flux(120deg): 1421.9 lm

%lum = 75.0%

%lamp = 75.0%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

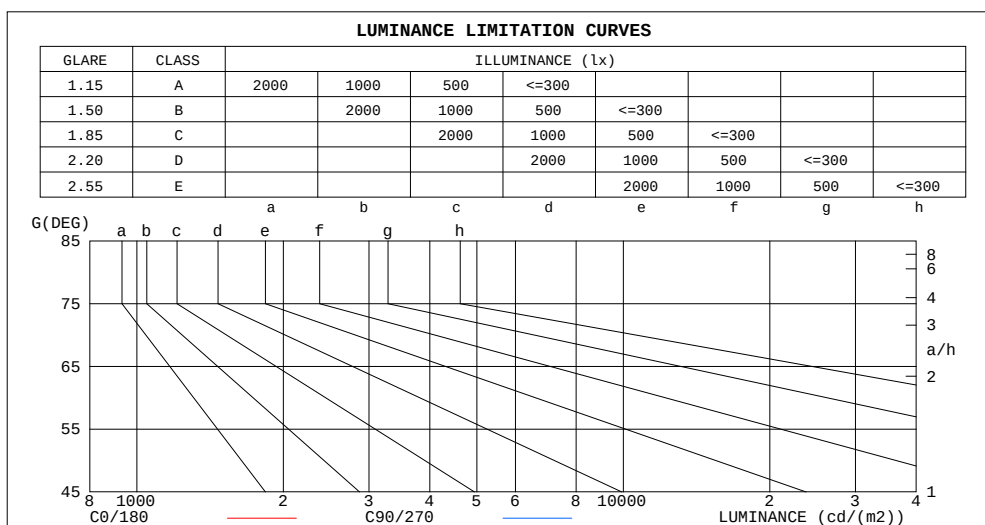
Checker: CHENXIAOFU

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Assessor: Ju Hongli

LUMINANCE LIMITATION CURVES

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	50765	67093
80	43692	54377
75	44826	53091
70	47739	54042
65	50315	55424
60	52460	56739
55	54245	57928
50	55932	58891
45	57129	59675

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:
 Test Date:2025-03-24

Checker: CHENXIAOFU

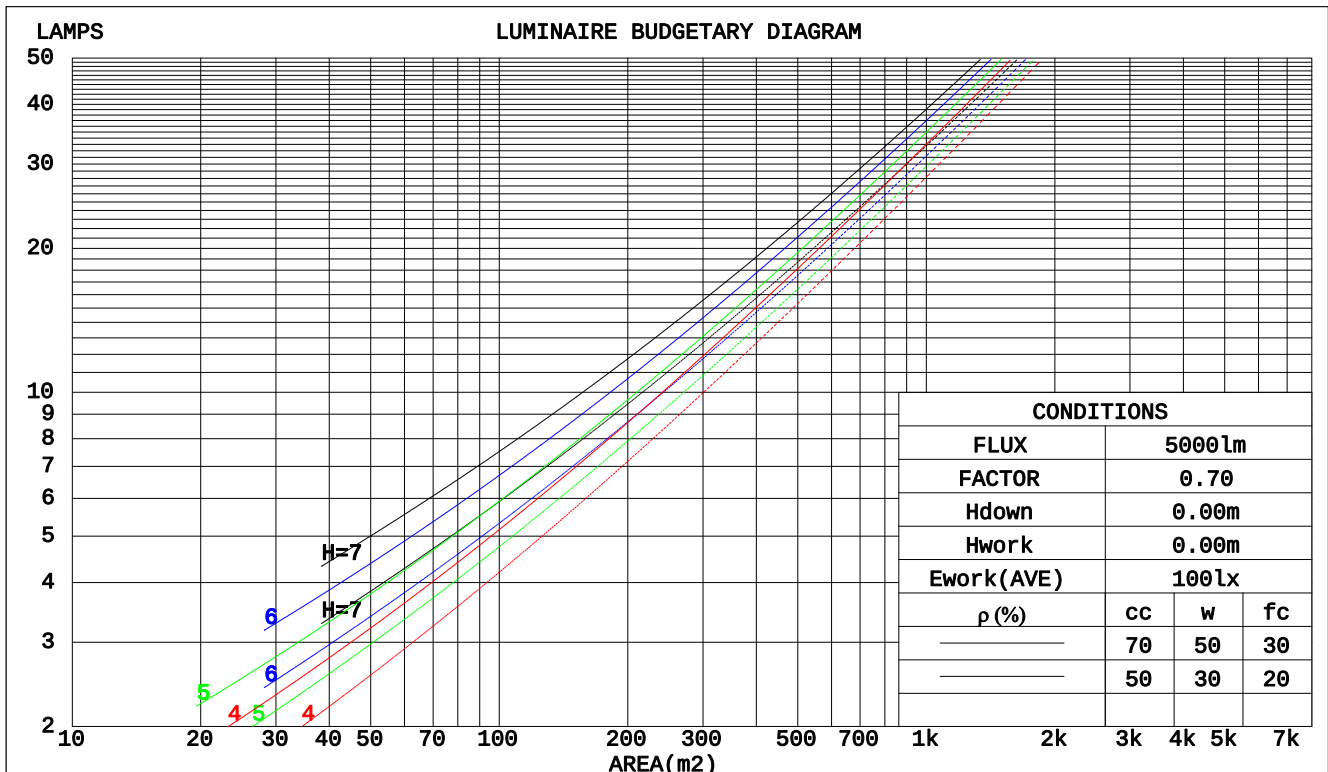
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:11.834m [K=1.0000]
 Remarks:

Assessor: Ju Hongli

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	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	1.02	.98	.94	.90	.96	.92	.95	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.80	.75	.83	.77	.73	.79	.75	.71	.76	.72	.69	.67
3.0	.78	.69	.63	.76	.68	.62	.73	.66	.61	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.60	.53	.67	.59	.52	.65	.57	.51	.62	.56	.51	.60	.54	.50	.47
5.0	.61	.52	.45	.60	.51	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.49	.42	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.33	.27	.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: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:
 Test Date:2025-03-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:11.834m [K=1.0000]
 Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

WEC AND CCEC

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	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	.331	.188	.060	.323	.184	.059	.309	.177	.057	.296	.171	.055	.284	.164	.053		
2.0	.304	.166	.051	.297	.164	.050	.284	.158	.049	.273	.153	.048	.262	.148	.047		
3.0	.278	.148	.044	.272	.146	.044	.261	.141	.043	.250	.137	.042	.241	.133	.041		
4.0	.255	.132	.039	.249	.131	.039	.239	.127	.038	.230	.124	.037	.222	.120	.037		
5.0	.234	.119	.035	.230	.118	.034	.221	.115	.034	.213	.112	.033	.205	.109	.033		
6.0	.217	.109	.031	.213	.107	.031	.205	.105	.031	.197	.102	.030	.190	.100	.030		
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.177	.092	.027		
8.0	.188	.092	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025		
9.0	.176	.085	.024	.173	.084	.024	.167	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.074	.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	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.194	.168	.145	.166	.144	.124	.113	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.186	.144	.108	.159	.124	.094	.109	.086	.065	.063	.050	.038	.020	.016	.012	
3.0	.178	.126	.085	.153	.109	.074	.105	.076	.052	.060	.044	.031	.019	.014	.010	
4.0	.170	.113	.069	.146	.098	.060	.100	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.163	.103	.059	.140	.089	.051	.096	.062	.036	.056	.036	.021	.018	.012	.007	
6.0	.155	.094	.051	.134	.082	.044	.092	.057	.031	.053	.034	.019	.017	.011	.006	
7.0	.148	.088	.045	.128	.076	.039	.088	.053	.028	.051	.031	.017	.017	.010	.005	
8.0	.142	.082	.041	.122	.071	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.136	.077	.037	.117	.067	.032	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.073	.034	.112	.063	.030	.078	.044	.021	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

UGR(Unified Glare Rating) Table

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm										
NAME: BHD3S-TC-S-21W-6500K					TYPE:LED			WEIGHT:		
SPEC.:0028920257 21W 6500K 2000lm					DIM.:			SERIAL No.:250328001G		
MFR.: LIT by CARDI					SUR.:			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	24.2	25.7	24.5	26.0	26.2	24.5	26.0	24.8	26.3	26.5
3H	25.7	27.1	26.0	27.4	27.7	26.1	27.5	26.4	27.8	28.1
4H	26.3	27.7	26.7	27.9	28.2	26.8	28.2	27.2	28.5	28.7
6H	26.8	28.1	27.2	28.4	28.7	27.4	28.7	27.8	29.0	29.3
8H	27.0	28.2	27.4	28.5	28.9	27.7	28.9	28.1	29.2	29.6
12H	27.2	28.4	27.6	28.7	29.0	28.0	29.1	28.3	29.5	29.8
4H 2H	24.8	26.2	25.2	26.5	26.8	25.1	26.4	25.4	26.7	27.0
3H	26.5	27.7	26.9	28.0	28.4	26.9	28.1	27.2	28.4	28.7
4H	27.3	28.4	27.7	28.7	29.1	27.7	28.8	28.1	29.1	29.5
6H	27.9	28.9	28.3	29.2	29.6	28.5	29.4	28.9	29.8	30.2
8H	28.2	29.1	28.6	29.5	29.9	28.8	29.7	29.3	30.1	30.5
12H	28.4	29.2	28.9	29.7	30.1	29.2	30.0	29.6	30.4	30.8
8H 4H	27.6	28.5	28.0	28.9	29.3	28.0	28.9	28.4	29.3	29.7
6H	28.4	29.2	28.9	29.6	30.0	28.9	29.7	29.4	30.1	30.6
8H	28.8	29.5	29.3	29.9	30.4	29.4	30.1	29.9	30.5	31.0
12H	29.2	29.7	29.7	30.2	30.7	29.9	30.4	30.4	30.9	31.4
12H 4H	27.6	28.5	28.1	28.9	29.3	28.0	28.8	28.4	29.2	29.7
6H	28.5	29.2	29.0	29.6	30.1	29.0	29.7	29.5	30.1	30.6
8H	28.9	29.5	29.4	30.0	30.5	29.5	30.1	30.0	30.6	31.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.2				

CIE Pub.117, 1897 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.2$)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

UTILIZATION FACTORS TABLE

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	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	71	64	54	47
1.25	81	70	63	80	70	63	77	68	62	54
1.50	86	76	69	85	75	68	81	73	67	59
2.00	93	84	77	91	83	77	88	81	75	67
2.50	97	89	83	95	87	82	91	85	80	71
3.00	101	93	87	98	92	86	94	89	84	75
4.00	105	99	94	102	97	92	98	93	89	80
5.00	107	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:
 Test Date:2025-03-24

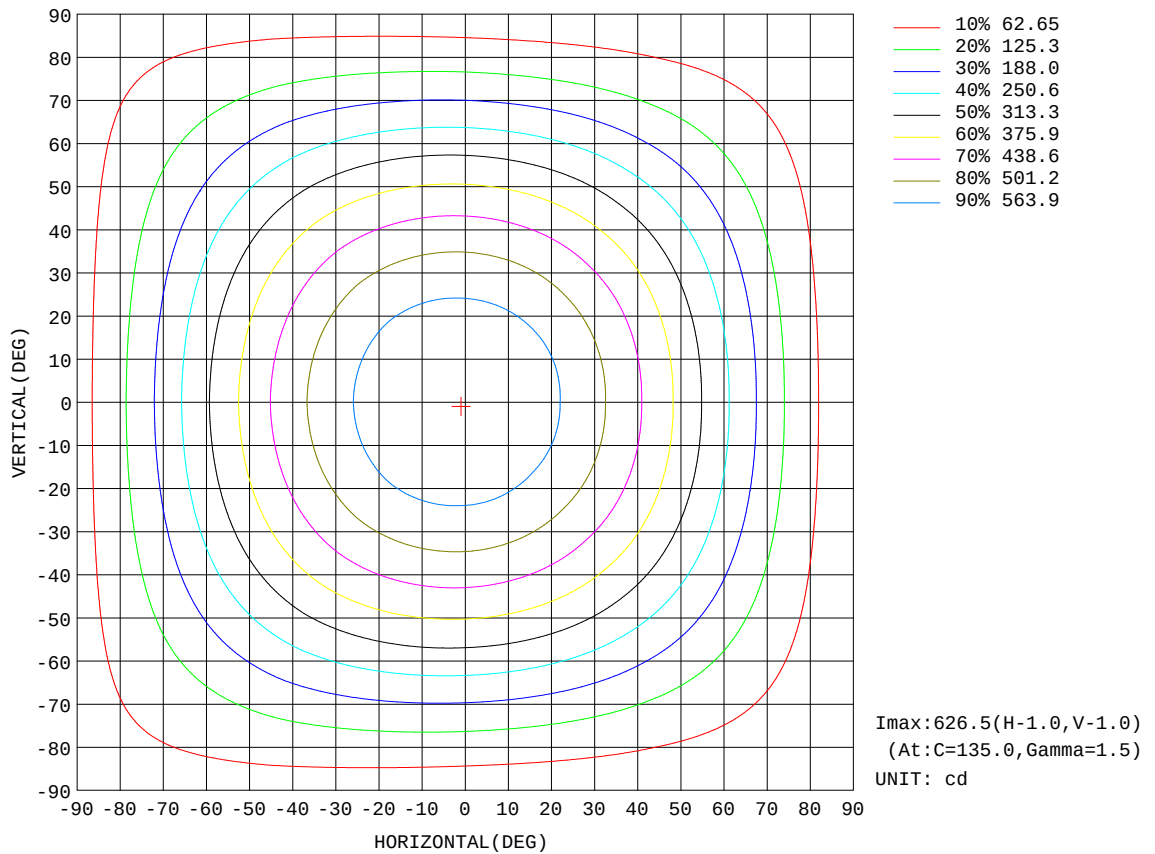
Checker: CHENXIAOFU

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:11.834m [K=1.0000]
 Remarks:

Assessor: Ju Hongli

ISOCANDELA DIAGRAM

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:
Test Date: 2025-03-24

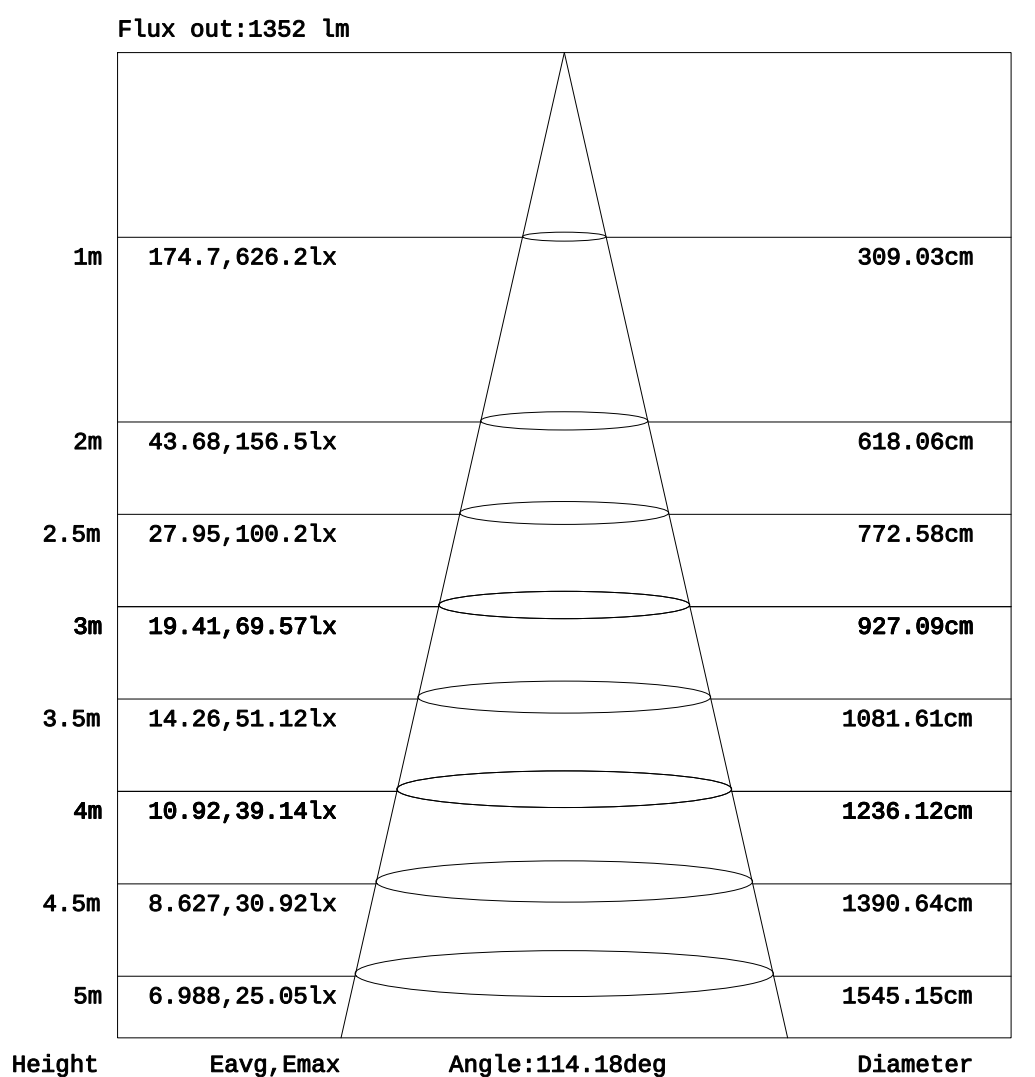
Checker: CHENXIAOFU

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity: 56%
Test Distance: 11.834m [K=1.0000]
Remarks:

Assessor: Ju Hongli

AAI Figure

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	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: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

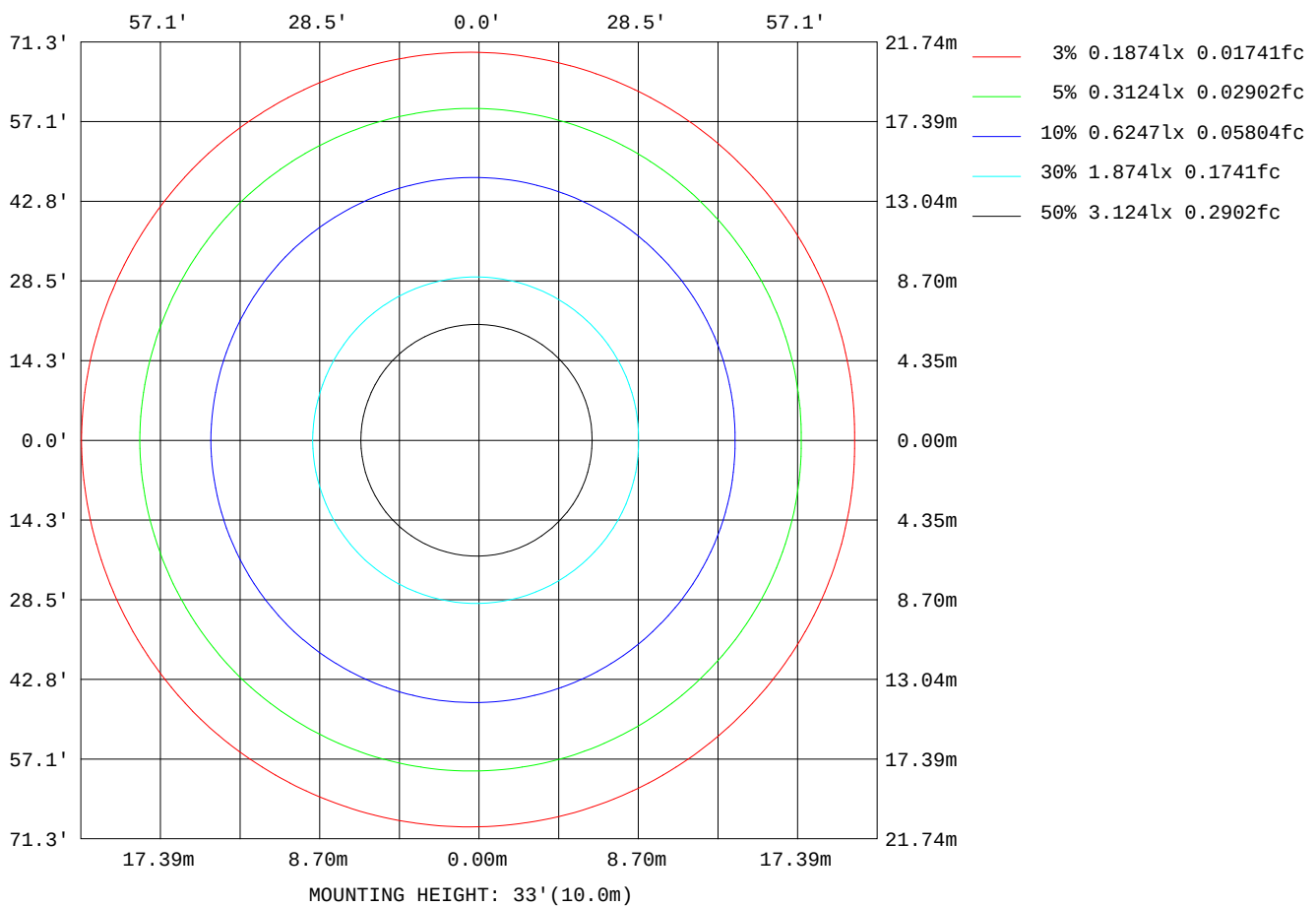
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

ISOLUX DIAGRAM

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

Checker: CHENXIAOFU

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Assessor: Ju Hongli

LED Avg.L Report

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	55701
L_0~180(75)av	53204
L_0~180(85)av	67288
L_90~270(65)av	55824
L_90~270(75)av	53533
L_90~270(85)av	67788
L_45(65)av	55814
L_45(75)av	53477
L_45(85)av	67627

Standard: GB/T 29293-2012

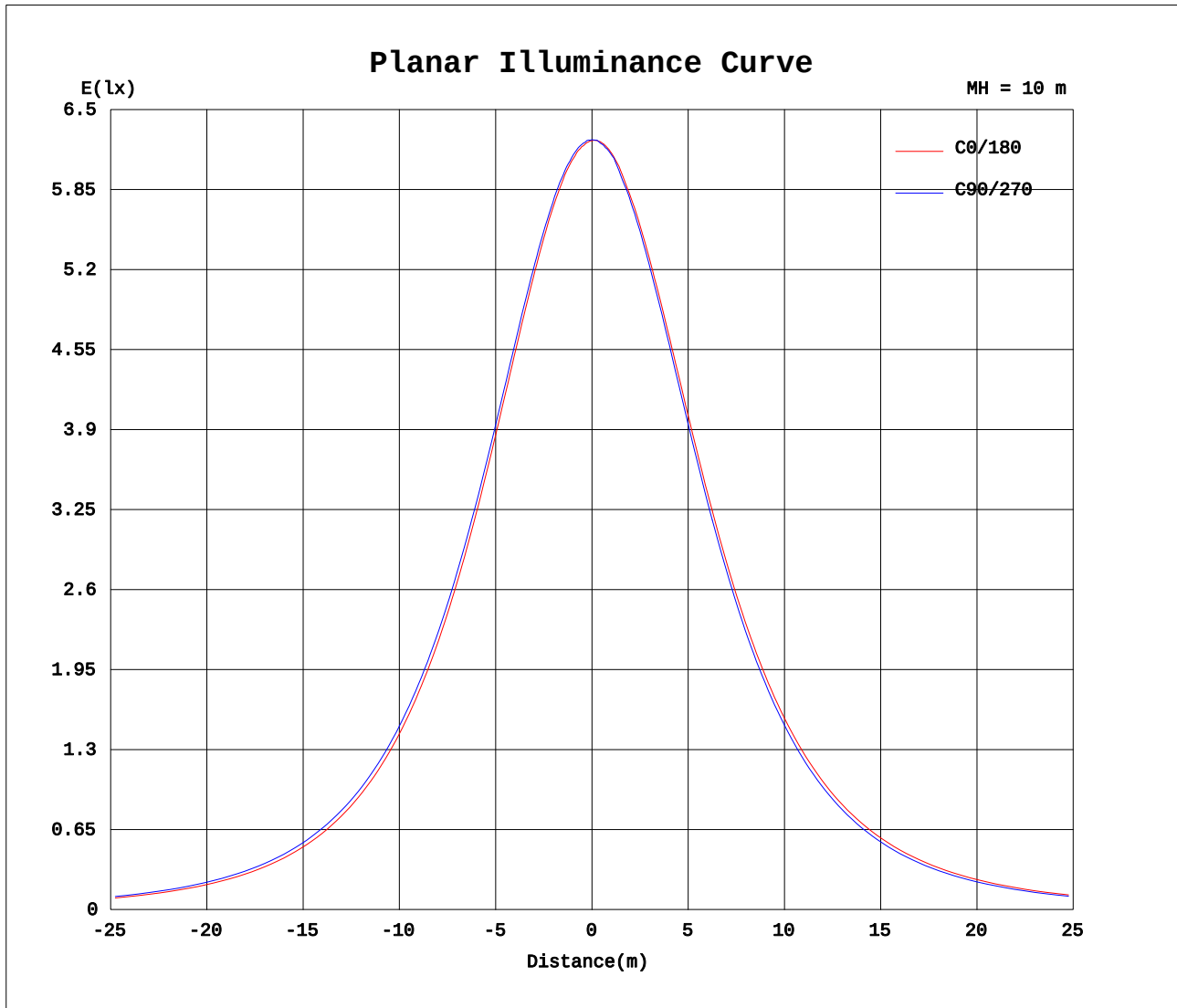
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

Checker: CHENXIAOFU

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Assessor: Ju Hongli

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:
 Test Date: 2025-03-24

Checker: CHENXIAOFU

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity: 56%
 Test Distance: 11.834m [K=1.0000]
 Remarks:

Assessor: Ju Hongli

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000 lm		
NAME: BHD3S-TC-S-21W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	625	625	626	626	625	625	626	626										
5	619	620	622	625	625	624	623	622										
10	609	610	614	617	617	618	614	613										
15	594	595	601	605	606	606	600	598										
20	574	575	583	588	590	589	583	577										
25	548	551	559	566	569	567	559	553										
30	518	521	531	539	543	541	532	523										
35	484	488	499	508	513	510	500	490										
40	446	450	462	473	478	475	464	452										
45	404	409	422	434	440	436	424	411										
50	360	365	379	392	398	394	381	367										
55	311	318	332	347	354	348	335	319										
60	262	270	284	299	307	301	287	271										
65	213	220	234	251	258	252	238	221										
70	163	171	185	201	209	202	188	172										
75	116	124	137	153	159	153	140	124										
80	75.9	82.6	94.4	108	113	108	96.2	82.2										
85	44.2	49.3	58.5	68.9	73.0	68.7	59.7	48.8										
90	22.1	25.4	31.4	38.0	41.3	37.8	32.5	25.0										
95	8.83	9.39	13.2	9.20	19.2	9.07	13.9	9.13										
100	2.78	1.63	1.49	1.39	3.56	1.18	1.52	1.57										
105	1.82	1.77	1.65	1.65	1.49	1.42	1.60	1.61										
110	2.06	2.08	1.94	1.92	1.78	1.70	1.86	1.90										
115	2.35	2.45	2.25	2.20	2.04	1.95	2.13	2.11										
120	2.56	2.82	2.53	2.43	2.25	2.21	2.38	2.38										
125	2.77	3.17	2.81	2.64	2.47	2.47	2.71	2.59										
130	3.15	3.41	3.12	2.87	2.85	2.58	2.96	2.78										
135	3.40	3.45	3.46	3.16	3.09	2.83	3.39	3.12										
140	3.58	3.53	3.65	3.36	3.21	3.11	3.46	3.24										
145	3.72	3.75	3.78	3.60	3.39	3.36	3.75	3.45										
150	3.91	4.08	3.98	3.86	3.67	3.79	3.82	3.78										
155	3.99	4.14	3.95	3.96	3.88	3.81	3.87	3.96										
160	4.14	4.22	4.12	4.06	4.01	3.86	4.16	4.08										
165	4.23	4.51	4.46	4.28	4.13	4.04	4.45	4.43										
170	4.40	4.78	4.71	4.43	4.39	4.26	4.63	4.80										
175	5.10	5.47	4.87	4.93	4.69	4.75	5.09	5.42										
180	6.15	5.79	6.04	5.96	6.08	5.79	5.95	5.93										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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Checker: CHENXIAOFU

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