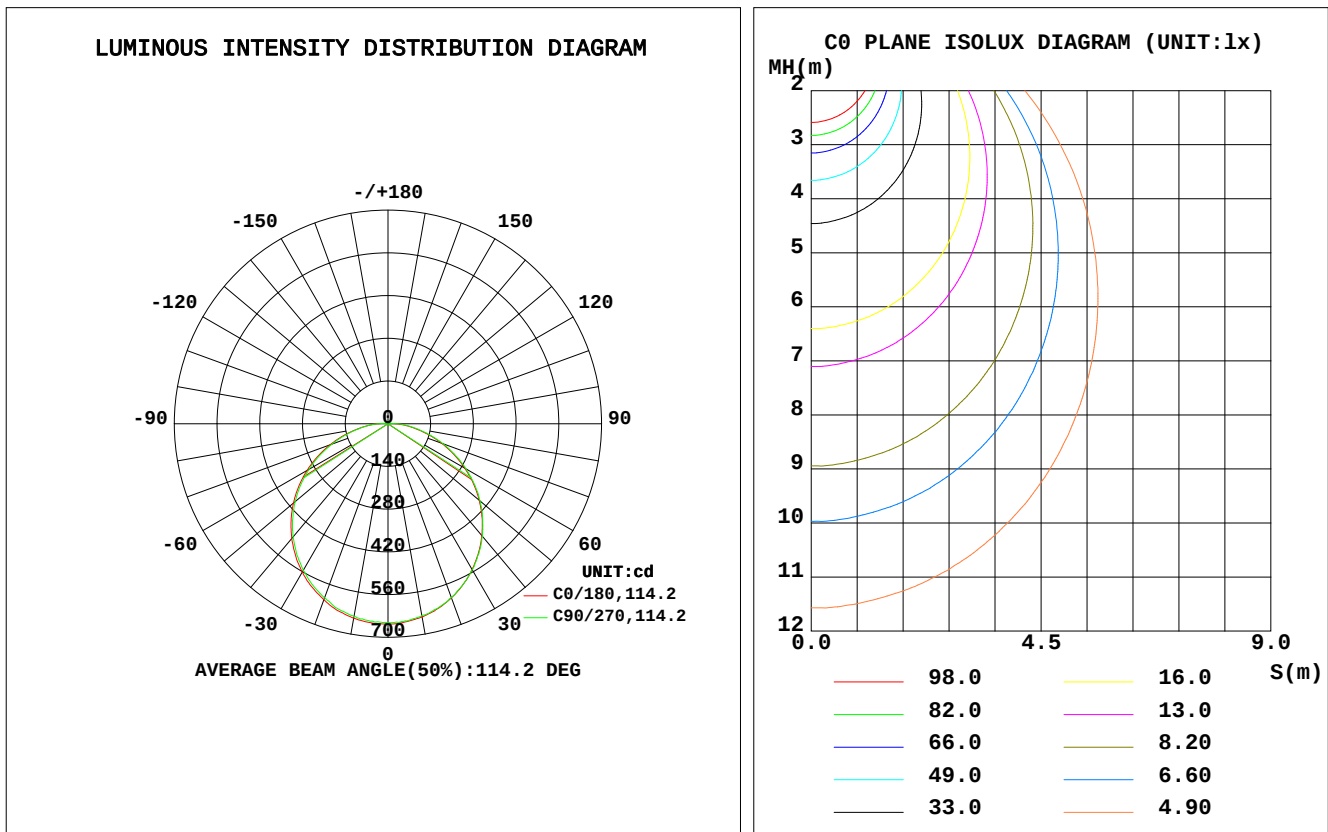


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220-240V I:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100 lm/W			
MODEL		Imax(cd)	580	S/MH(C0/180)	1.27
NOMINAL POWER(W)	20W	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, 48.9
NOMINAL FLUX(lm)	2000	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 49.6
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

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	652.1	650.6	648.4	648.5	654.5	652.8	649.8	647.3	0- 5	15.59	15.59	0.79,0.79
10	642.8	642.0	638.7	640.7	647.1	643.8	642.0	638.4	5- 10	46.23	61.82	3.13,3.13
15	627.8	627.0	626.0	627.8	634.4	631.3	628.7	623.8	10- 15	75.34	137.2	6.94,6.94
20	607.4	605.1	607.0	606.9	613.8	612.1	608.0	604.4	15- 20	101.9	239.0	12.1,12.1
25	581.8	580.8	581.3	583.1	590.4	589.1	583.6	579.7	20- 25	125.0	364.0	18.4,18.4
30	551.2	551.1	552.0	554.0	561.6	560.3	555.0	550.0	25- 30	144.0	508.0	25.7,25.7
35	516.8	516.5	519.3	521.0	527.6	526.5	521.5	516.5	30- 35	158.3	666.3	33.7,33.7
40	478.4	478.3	481.7	483.5	490.5	488.7	484.0	477.6	35- 40	167.4	833.7	42.2,42.2
45	436.2	436.6	438.8	442.2	449.1	447.1	441.9	436.4	40- 45	171.0	1005	50.8,50.8
50	390.5	391.4	394.0	398.2	404.4	402.6	397.3	390.8	45- 50	169.1	1174	59.4,59.4
55	341.8	343.0	346.0	350.2	356.7	354.1	349.1	343.4	50- 55	161.8	1336	67.6,67.6
60	290.6	292.5	294.8	300.4	306.1	303.0	298.9	292.0	55- 60	149.1	1485	75.1,75.1
65	238.5	240.9	243.4	249.2	254.6	251.5	247.7	240.7	60- 65	132.0	1617	81.8,81.8
70	186.9	188.9	192.3	197.8	202.5	199.3	196.1	189.3	65- 70	111.3	1728	87.4,87.4
75	136.1	138.1	141.6	147.2	151.2	148.4	145.4	139.4	70- 75	88.05	1816	91.9,91.9
80	90.81	92.86	96.23	101.1	103.2	101.9	100.1	94.65	75- 80	64.14	1880	95.1,95.1
85	54.08	55.77	58.60	62.54	63.96	63.06	61.90	57.42	80- 85	42.31	1922	97.3,97.3
90	26.98	28.37	30.90	33.31	34.52	33.67	33.12	29.66	85- 90	24.44	1947	98.5,98.5
95	9.970	9.510	13.03	7.888	15.02	8.016	14.00	10.06	90- 95	11.51	1958	99.1,99.1
100	2.069	1.686	1.560	1.510	3.003	1.388	1.437	1.467	95-100	2.558	1961	99.2,99.2
105	1.798	1.872	1.825	1.827	1.685	1.601	1.716	1.610	100-105	0.8728	1962	99.3,99.3
110	2.077	2.150	2.137	2.068	1.953	1.868	2.058	1.931	105-110	0.9888	1963	99.3,99.3
115	2.428	2.460	2.513	2.512	2.180	2.087	2.356	2.395	110-115	1.109	1964	99.4,99.4
120	2.633	2.728	2.891	2.864	2.460	2.406	2.594	2.591	115-120	1.216	1965	99.4,99.4
125	2.912	2.965	3.182	3.136	2.709	2.550	2.924	3.110	120-125	1.299	1966	99.5,99.5
130	3.161	3.289	3.471	3.125	2.989	2.871	3.472	3.161	125-130	1.330	1968	99.6,99.6
135	3.471	3.616	3.892	3.288	3.297	3.223	3.771	3.399	130-135	1.353	1969	99.6,99.6
140	3.801	3.730	4.045	3.544	3.627	3.400	3.879	3.368	135-140	1.333	1970	99.7,99.7
145	3.998	3.814	4.055	3.825	3.825	3.502	3.927	3.757	140-145	1.250	1972	99.8,99.8
150	4.042	4.103	4.143	4.069	3.896	3.976	4.071	3.947	145-150	1.159	1973	99.8,99.8
155	4.112	4.221	4.129	4.112	4.041	4.015	4.040	4.002	150-155	1.026	1974	99.9,99.9
160	4.392	4.371	4.276	4.371	4.288	4.100	4.247	4.163	155-160	0.8728	1975	99.9,99.9
165	4.401	4.670	4.639	4.463	4.422	4.257	4.568	4.432	160-165	0.7208	1975	99.9,99.9
170	4.577	4.980	4.742	4.681	4.712	4.435	4.887	4.722	165-170	0.5432	1976	100,100
175	5.089	5.497	5.259	5.218	5.519	5.060	5.116	5.124	170-175	0.3500	1976	100,100
180	6.571	6.313	6.220	5.920	6.581	6.240	6.251	5.910	175-180	0.1336	1977	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1004.7 lm

%lum = 50.8%

%lamp = 50.8%

Conical surface Flux(120deg): 1484.7 lm

%lum = 75.1%

%lamp = 75.1%

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

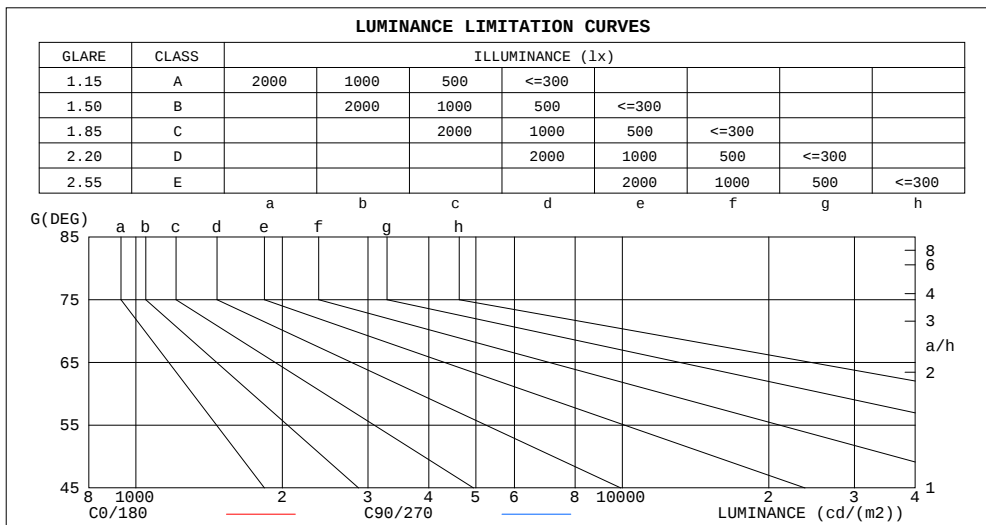
Checker: CHENXIAOFU

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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	62052	67233
80	52297	55417
75	52581	54703
70	54654	56213
65	56431	57603
60	58113	58967
55	59589	60323
50	60746	61289
45	61683	62049

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

Checker: CHENXIAOFU

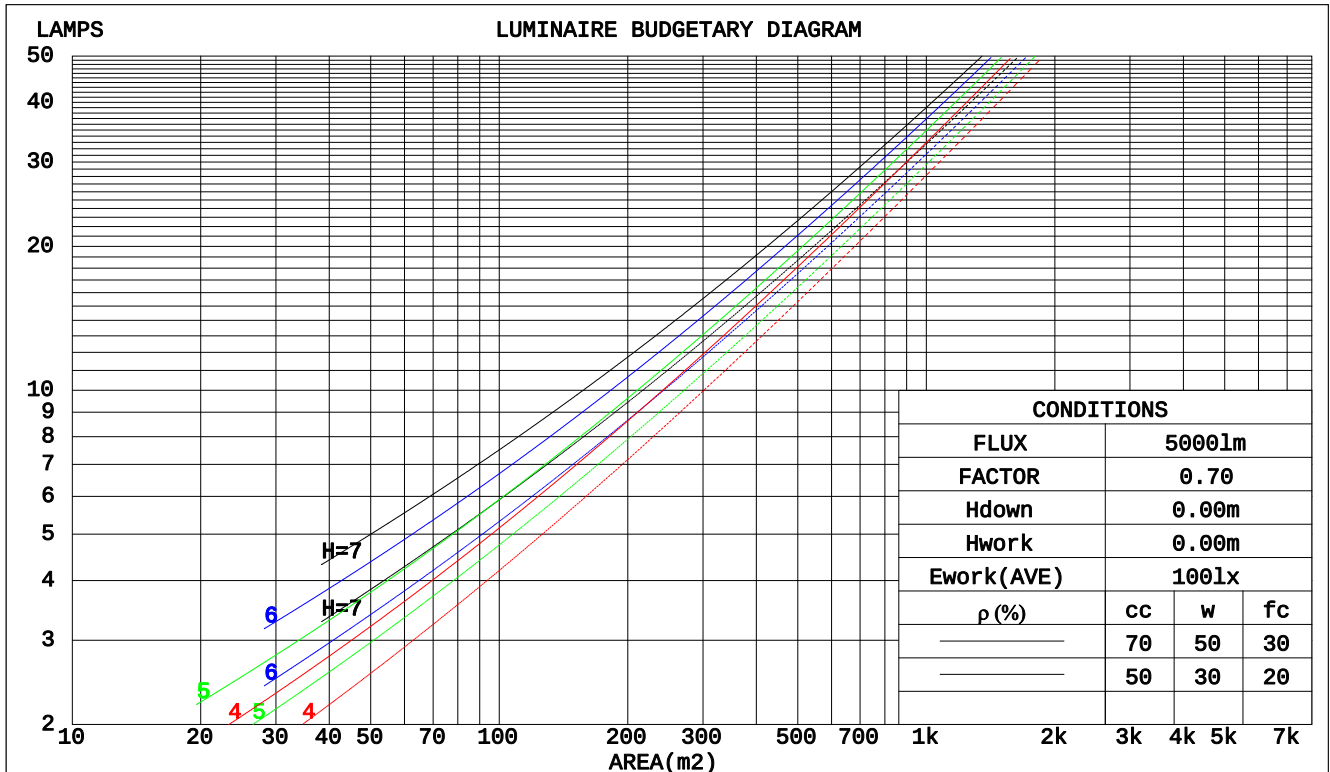
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:11.834m [K=1.0000]
 Remarks:

Assessor: Ju Hongli

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220-240V I:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.02	.98	.94	1.00	.96	.92	.95	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.80	.75	.83	.78	.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	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.39	.52	.45	.39	.50	.44	.38	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
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	.28	.39	.32	.27	.38	.32	.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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 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	.330	.187	.059	.322	.184	.058	.308	.177	.056	.295	.170	.055	.283	.164	.053		
2.0	.303	.166	.051	.296	.163	.050	.284	.158	.049	.272	.153	.048	.261	.148	.047		
3.0	.277	.148	.044	.271	.145	.044	.260	.141	.043	.250	.137	.042	.240	.133	.041		
4.0	.254	.132	.039	.249	.130	.039	.239	.127	.038	.230	.123	.037	.221	.120	.037		
5.0	.234	.119	.035	.230	.118	.034	.221	.115	.034	.212	.112	.033	.205	.109	.033		
6.0	.217	.109	.031	.212	.107	.031	.204	.105	.030	.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	.187	.092	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025		
9.0	.175	.085	.024	.172	.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	.193	.167	.144	.165	.144	.124	.113	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.185	.143	.108	.159	.123	.094	.109	.085	.065	.063	.050	.038	.020	.016	.012	
3.0	.178	.126	.085	.152	.109	.074	.105	.076	.052	.060	.044	.030	.019	.014	.010	
4.0	.170	.113	.069	.146	.097	.060	.100	.068	.042	.058	.040	.025	.019	.013	.008	
5.0	.162	.102	.058	.139	.089	.051	.096	.062	.036	.056	.036	.021	.018	.012	.007	
6.0	.155	.094	.051	.133	.082	.044	.092	.057	.031	.053	.034	.018	.017	.011	.006	
7.0	.148	.087	.045	.127	.076	.039	.088	.053	.028	.051	.031	.016	.017	.010	.005	
8.0	.142	.082	.040	.122	.071	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.135	.077	.037	.117	.066	.032	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.072	.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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm										
NAME: BHD3S-TC-20W-6500K					TYPE:LED			WEIGHT:		
SPEC.:0028920256 20W 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	24.5	26.1	24.8	26.3	26.5	24.6	26.1	24.9	26.3	26.6
3H	26.1	27.5	26.4	27.8	28.1	26.2	27.6	26.5	27.9	28.1
4H	26.8	28.1	27.1	28.4	28.7	26.9	28.2	27.2	28.5	28.8
6H	27.3	28.6	27.7	28.9	29.2	27.5	28.8	27.8	29.1	29.4
8H	27.6	28.8	27.9	29.1	29.4	27.7	29.0	28.1	29.3	29.6
12H	27.8	29.0	28.2	29.3	29.6	28.0	29.1	28.3	29.5	29.8
4H 2H	25.2	26.5	25.5	26.8	27.1	25.2	26.5	25.5	26.8	27.1
3H	26.9	28.1	27.3	28.4	28.8	27.0	28.2	27.4	28.5	28.9
4H	27.7	28.8	28.1	29.2	29.5	27.8	28.9	28.2	29.3	29.6
6H	28.4	29.4	28.9	29.8	30.2	28.6	29.5	29.0	29.9	30.3
8H	28.7	29.6	29.2	30.0	30.5	28.9	29.8	29.3	30.2	30.6
12H	29.0	29.9	29.5	30.3	30.7	29.2	30.0	29.7	30.5	30.9
8H 4H	28.1	29.0	28.5	29.4	29.8	28.1	29.0	28.6	29.4	29.9
6H	28.9	29.7	29.4	30.1	30.6	29.1	29.8	29.5	30.3	30.7
8H	29.4	30.0	29.8	30.5	31.0	29.5	30.2	30.0	30.6	31.1
12H	29.8	30.4	30.3	30.8	31.4	30.0	30.5	30.5	31.0	31.5
12H 4H	28.1	28.9	28.5	29.3	29.8	28.2	29.0	28.6	29.4	29.9
6H	29.0	29.7	29.5	30.2	30.6	29.2	29.8	29.6	30.3	30.8
8H	29.5	30.1	30.0	30.6	31.1	29.7	30.2	30.2	30.7	31.2
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	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1977 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.4$)

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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 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	44	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	88	82	91	85	80	71
3.00	101	93	88	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

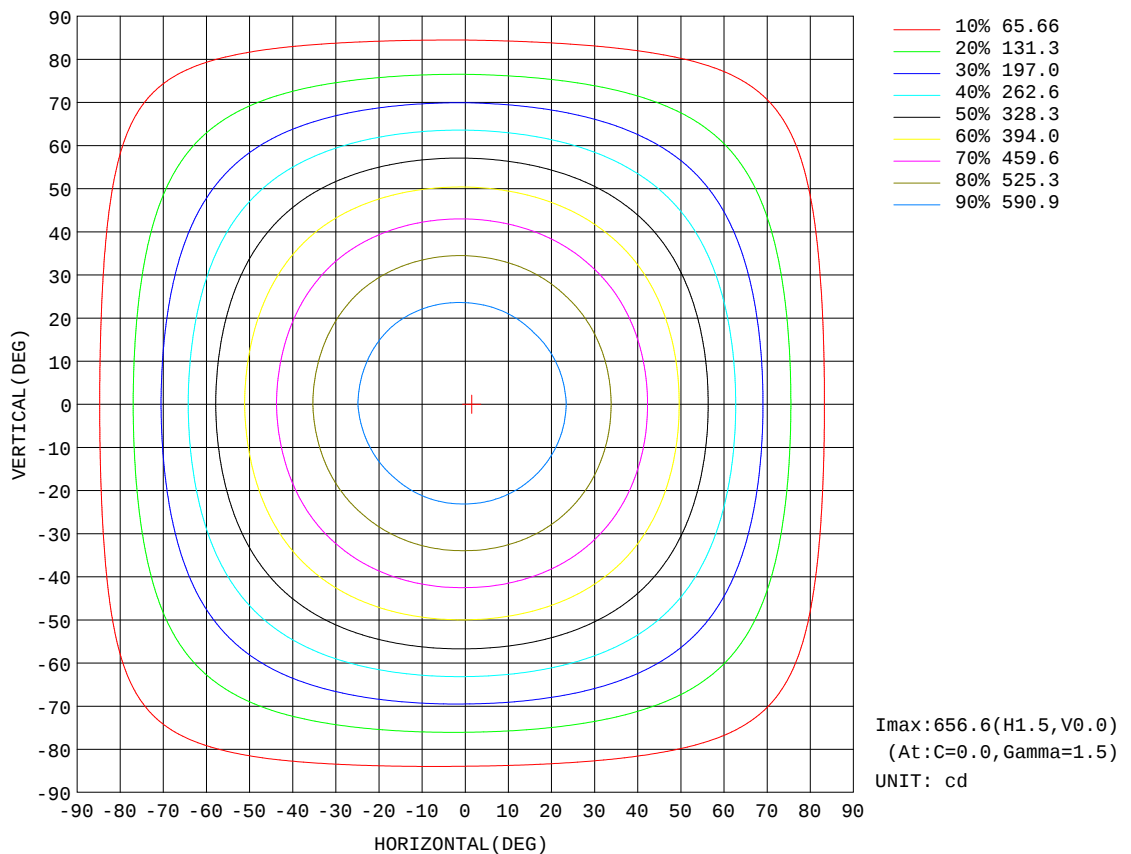
Checker: CHENXIAOFU

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ 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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 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

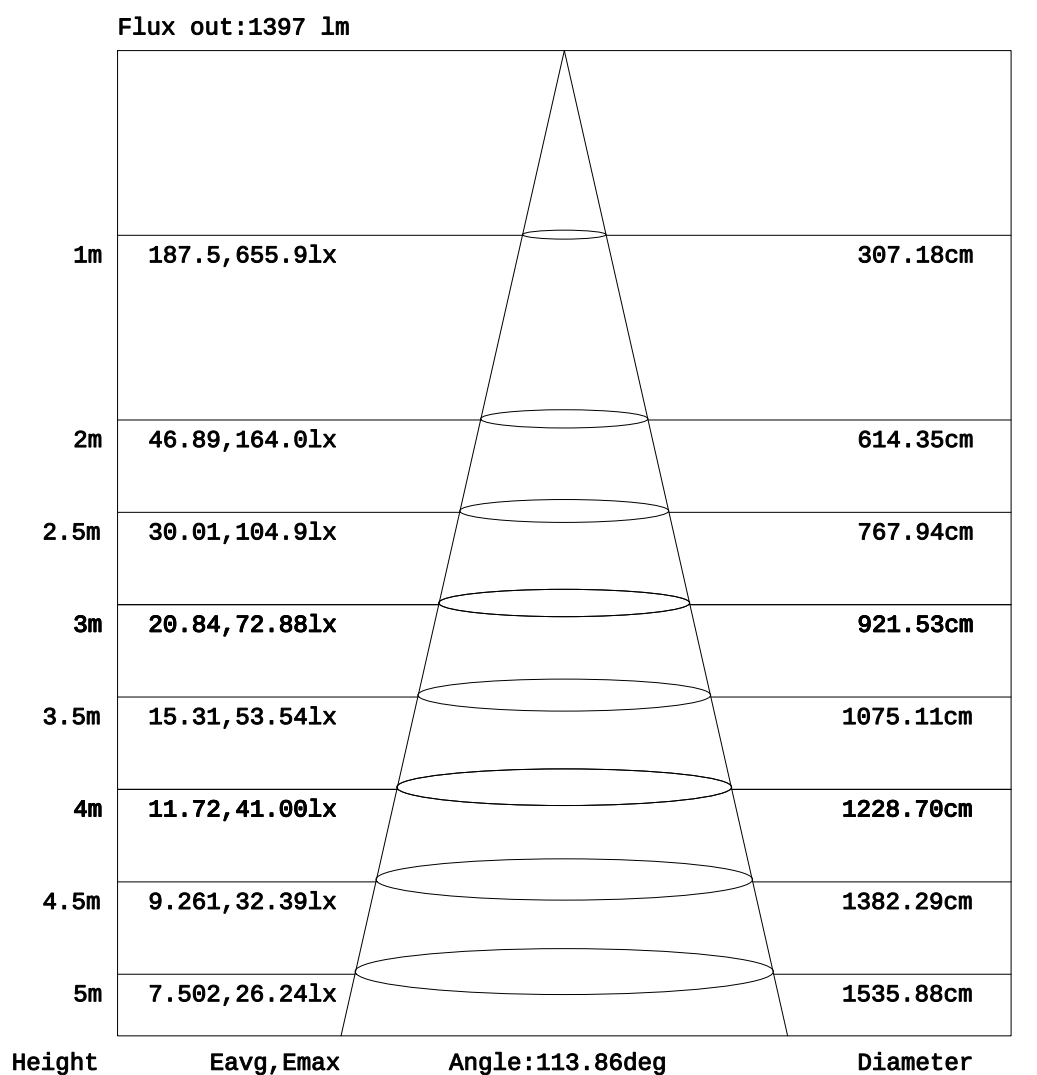
Checker: CHENXIAOFU

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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 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

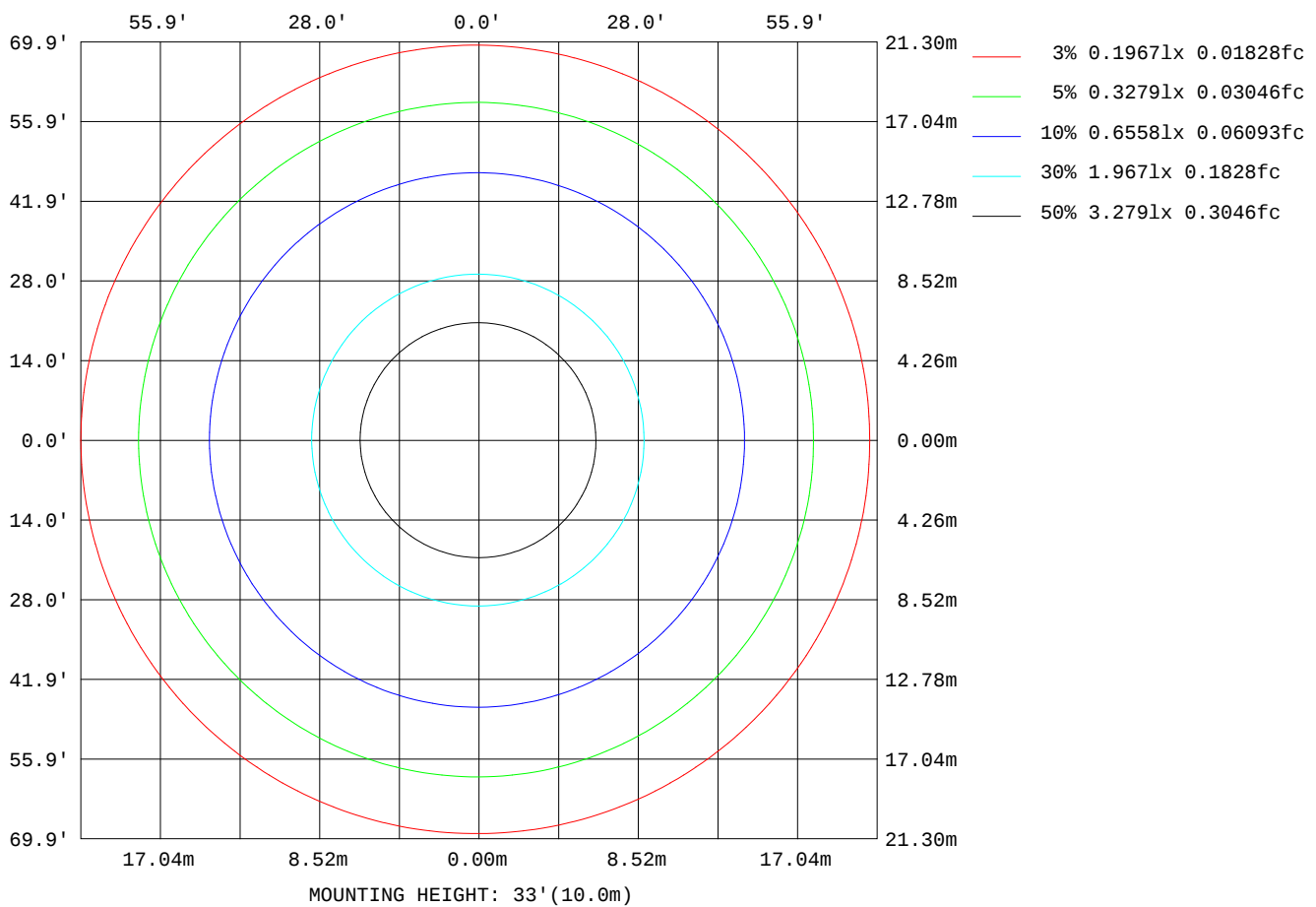
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

ISOLUX DIAGRAM

Test:U:220-240V I:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 6500K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	58336
L_0~180(75)av	55491
L_0~180(85)av	67721
L_90~270(65)av	58103
L_90~270(75)av	55438
L_90~270(85)av	69128
L_45(65)av	58107
L_45(75)av	55354
L_45(85)av	68496

Standard: GB/T 29293-2012

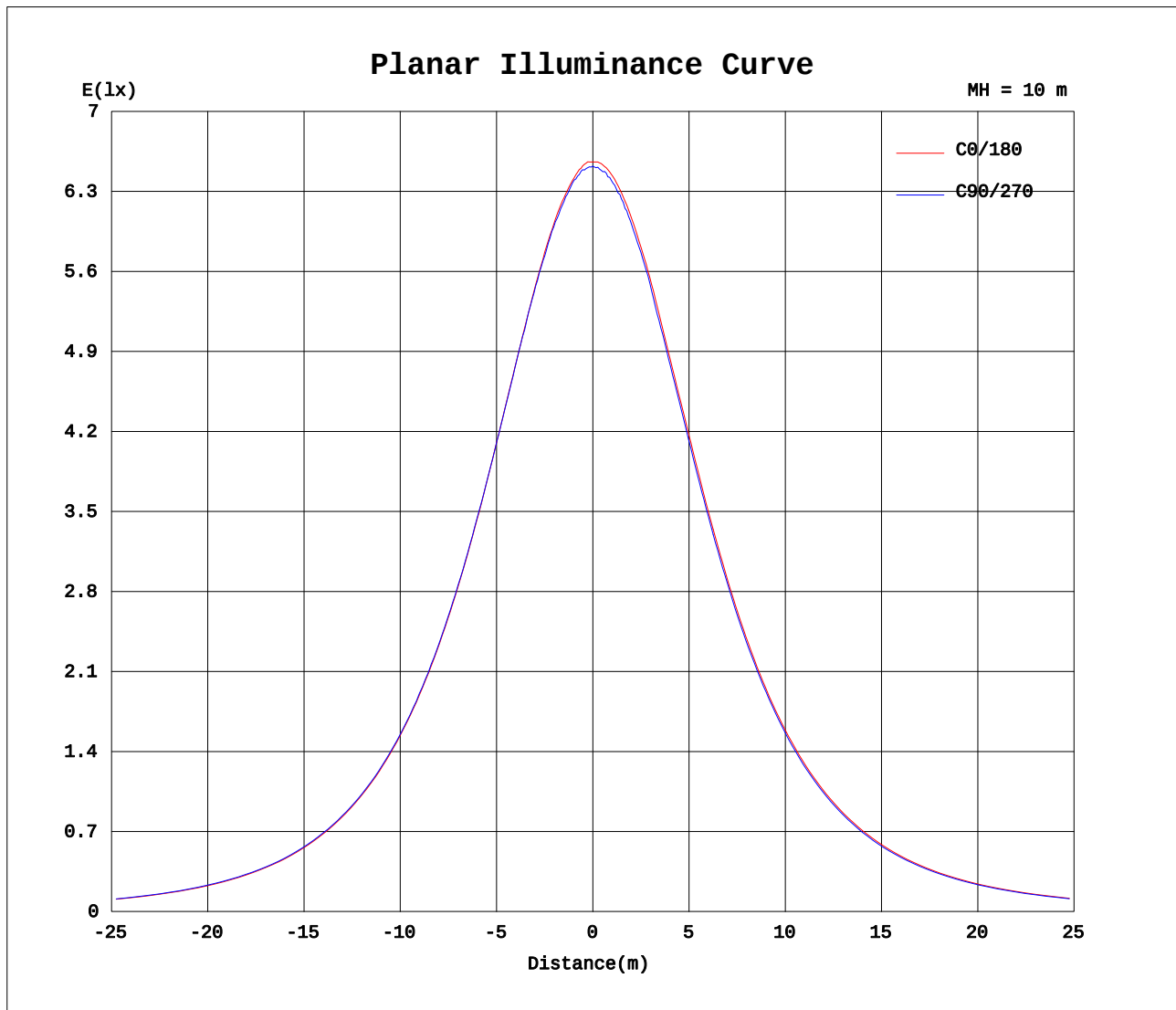
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:
 Test Date:2025-03-24

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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-6500K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 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	656	654	652	651	656	654	652	651										
5	652	651	648	649	655	653	650	647										
10	643	642	639	641	647	644	642	638										
15	628	627	626	628	634	631	629	624										
20	607	605	607	607	614	612	608	604										
25	582	581	581	583	590	589	584	580										
30	551	551	552	554	562	560	555	550										
35	517	517	519	521	528	527	521	516										
40	478	478	482	484	490	489	484	478										
45	436	437	439	442	449	447	442	436										
50	390	391	394	398	404	403	397	391										
55	342	343	346	350	357	354	349	343										
60	291	292	295	300	306	303	299	292										
65	238	241	243	249	255	251	248	241										
70	187	189	192	198	202	199	196	189										
75	136	138	142	147	151	148	145	139										
80	90.8	92.9	96.2	101	103	102	100	94.7										
85	54.1	55.8	58.6	62.5	64.0	63.1	61.9	57.4										
90	27.0	28.4	30.9	33.3	34.5	33.7	33.1	29.7										
95	9.97	9.51	13.0	7.89	15.0	8.02	14.0	10.1										
100	2.07	1.69	1.56	1.51	3.00	1.39	1.44	1.47										
105	1.80	1.87	1.82	1.83	1.68	1.60	1.72	1.61										
110	2.08	2.15	2.14	2.07	1.95	1.87	2.06	1.93										
115	2.43	2.46	2.51	2.51	2.18	2.09	2.36	2.39										
120	2.63	2.73	2.89	2.86	2.46	2.41	2.59	2.59										
125	2.91	2.97	3.18	3.14	2.71	2.55	2.92	3.11										
130	3.16	3.29	3.47	3.12	2.99	2.87	3.47	3.16										
135	3.47	3.62	3.89	3.29	3.30	3.22	3.77	3.40										
140	3.80	3.73	4.05	3.54	3.63	3.40	3.88	3.37										
145	4.00	3.81	4.06	3.82	3.82	3.50	3.93	3.76										
150	4.04	4.10	4.14	4.07	3.90	3.98	4.07	3.95										
155	4.11	4.22	4.13	4.11	4.04	4.01	4.04	4.00										
160	4.39	4.37	4.28	4.37	4.29	4.10	4.25	4.16										
165	4.40	4.67	4.64	4.46	4.42	4.26	4.57	4.43										
170	4.58	4.98	4.74	4.68	4.71	4.43	4.89	4.72										
175	5.09	5.50	5.26	5.22	5.52	5.06	5.12	5.12										
180	6.57	6.31	6.22	5.92	6.58	6.24	6.25	5.91										

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%
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Checker: CHENXIAOFU

Assessor: Ju Hongli