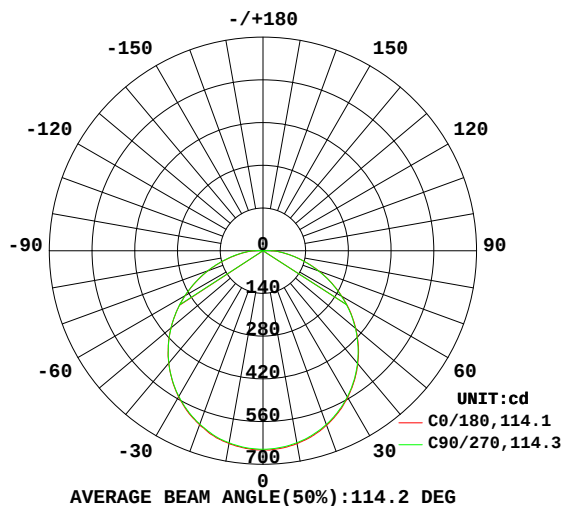


LUMINAIRE PHOTOMETRIC TEST REPORT

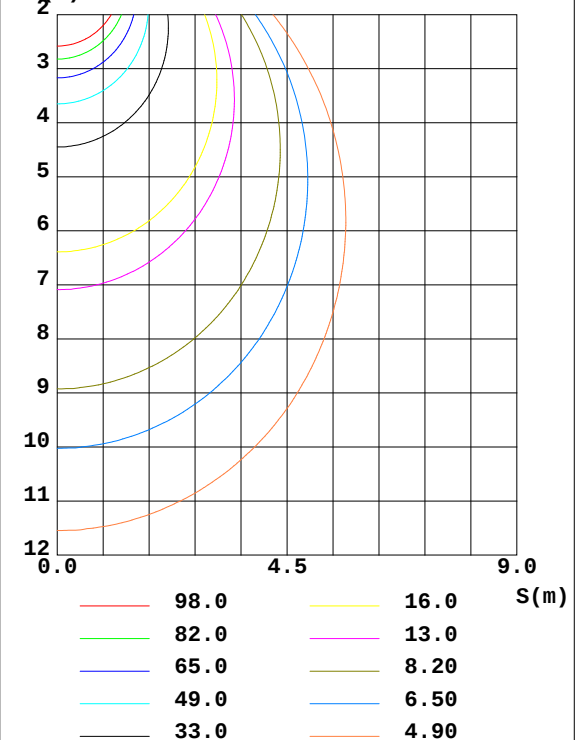
Test:U:220-240V I:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-20W-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 4000K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100 lm/W			
MODEL		Imax(cd)	580	S/MH(C0/180)	1.26
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)	0.8, 49.4
NOMINAL FLUX(lm)	2000	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.7, 49.1
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	98.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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	650.5	648.6	647.3	646.6	650.1	648.7	647.6	646.8	0- 5	15.53	15.53	0.79,0.79
10	641.9	641.2	638.9	638.1	641.4	639.3	639.3	637.7	5- 10	46.07	61.61	3.13,3.13
15	628.1	626.3	625.1	625.1	627.7	626.2	625.8	624.4	10- 15	75.09	136.7	6.94,6.94
20	608.5	606.2	605.9	603.1	607.6	605.0	605.0	604.3	15- 20	101.5	238.2	12.1,12.1
25	584.4	582.3	581.7	579.5	582.6	581.3	580.5	581.6	20- 25	124.5	362.7	18.4,18.4
30	555.0	553.9	552.7	550.2	552.9	552.2	551.6	551.8	25- 30	143.5	506.2	25.7,25.7
35	521.2	520.8	519.3	516.0	518.6	517.9	518.1	518.5	30- 35	157.7	664.0	33.7,33.7
40	483.5	482.6	481.6	478.6	480.9	480.0	480.4	480.9	35- 40	166.8	830.8	42.2,42.2
45	442.0	441.7	440.1	437.4	439.2	437.8	438.6	439.2	40- 45	170.4	1001	50.8,50.8
50	397.1	396.6	395.3	392.0	393.5	391.9	393.6	394.7	45- 50	168.5	1170	59.4,59.4
55	349.1	348.8	347.6	344.0	345.4	344.1	345.8	347.0	50- 55	161.1	1331	67.6,67.6
60	298.3	299.3	296.7	294.4	294.9	293.2	295.6	296.5	55- 60	148.5	1479	75.1,75.1
65	247.1	248.1	245.6	243.6	243.4	241.5	244.3	245.5	60- 65	131.5	1611	81.8,81.8
70	195.3	196.4	194.1	192.0	191.3	189.8	192.8	194.3	65- 70	110.8	1722	87.4,87.4
75	144.7	145.9	143.9	141.9	140.9	139.6	142.8	144.2	70- 75	87.72	1809	91.9,91.9
80	98.32	99.65	98.23	96.63	94.63	94.55	97.92	98.77	75- 80	63.93	1873	95.1,95.1
85	60.11	61.21	60.42	59.04	57.44	57.43	60.41	60.77	80- 85	42.23	1915	97.2,97.2
90	31.29	32.38	32.30	31.02	29.97	29.93	32.11	31.92	85- 90	24.45	1940	98.5,98.5
95	12.59	10.53	13.83	8.177	12.36	9.116	13.88	11.05	90- 95	11.65	1952	99.1,99.1
100	3.106	1.763	1.540	1.509	3.092	1.395	1.545	1.467	95-100	2.685	1954	99.2,99.2
105	1.763	1.808	1.818	1.808	1.706	1.601	1.757	1.580	100-105	0.8951	1955	99.3,99.3
110	1.982	2.077	2.087	2.171	1.954	1.909	2.057	1.942	105-110	0.9806	1956	99.3,99.3
115	2.262	2.366	2.453	2.511	2.191	2.149	2.336	2.261	110-115	1.098	1957	99.4,99.4
120	2.603	2.626	2.810	2.842	2.502	2.466	2.668	2.601	115-120	1.207	1958	99.4,99.4
125	2.794	2.966	3.120	3.110	2.697	2.572	2.904	2.830	120-125	1.278	1960	99.5,99.5
130	3.082	3.379	3.418	3.038	2.967	2.933	3.358	3.157	125-130	1.311	1961	99.6,99.6
135	3.416	3.558	3.841	3.286	3.342	3.285	3.620	3.244	130-135	1.333	1962	99.6,99.6
140	3.797	3.574	3.950	3.513	3.647	3.349	3.882	3.275	135-140	1.320	1964	99.7,99.7
145	3.875	3.771	3.967	3.813	3.761	3.512	3.922	3.645	140-145	1.232	1965	99.8,99.8
150	3.881	4.102	3.998	4.043	3.895	4.019	4.000	3.885	145-150	1.145	1966	99.8,99.8
155	4.080	4.158	4.102	4.094	4.061	3.957	4.083	3.944	150-155	1.019	1967	99.9,99.9
160	4.236	4.267	4.266	4.381	4.215	4.081	4.196	4.102	155-160	0.8630	1968	99.9,99.9
165	4.423	4.505	4.701	4.432	4.381	4.256	4.568	4.375	160-165	0.7169	1969	99.9,99.9
170	4.463	4.866	4.690	4.536	4.671	4.412	4.774	4.763	165-170	0.5362	1969	100,100
175	4.928	5.498	5.216	5.270	5.580	5.080	4.939	5.145	170-175	0.3446	1969	100,100
180	6.736	6.426	6.406	6.240	6.767	6.426	6.416	6.230	175-180	0.1356	1970	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1001.2 lm

%lum = 50.8%

%lamp = 50.8%

Conical surface Flux(120deg): 1479.2 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

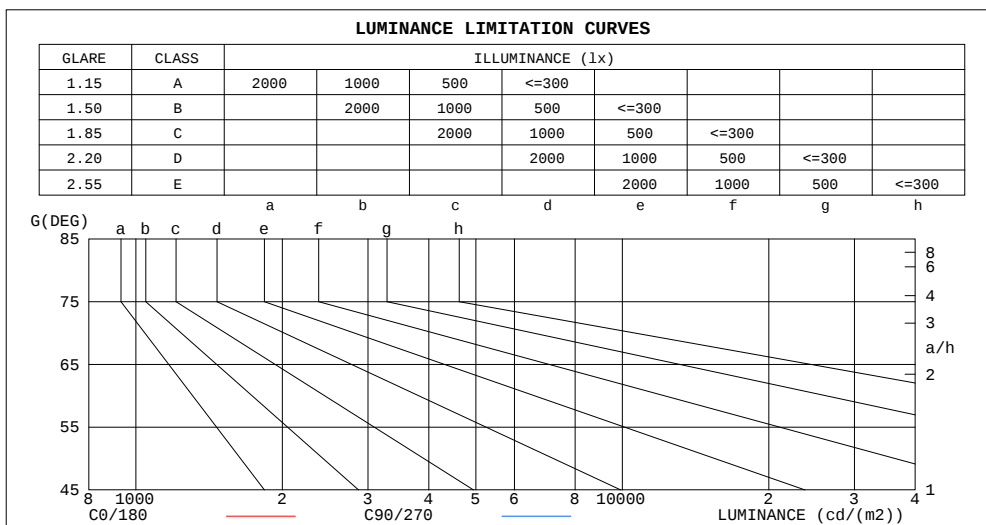
Checker: CHENXIAOFU

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-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 4000K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	68973	69321
80	56621	56567
75	55921	55588
70	57109	56752
65	58468	58122
60	59664	59331
55	60856	60594
50	61781	61499
45	62511	62245

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

Checker: CHENXIAOFU

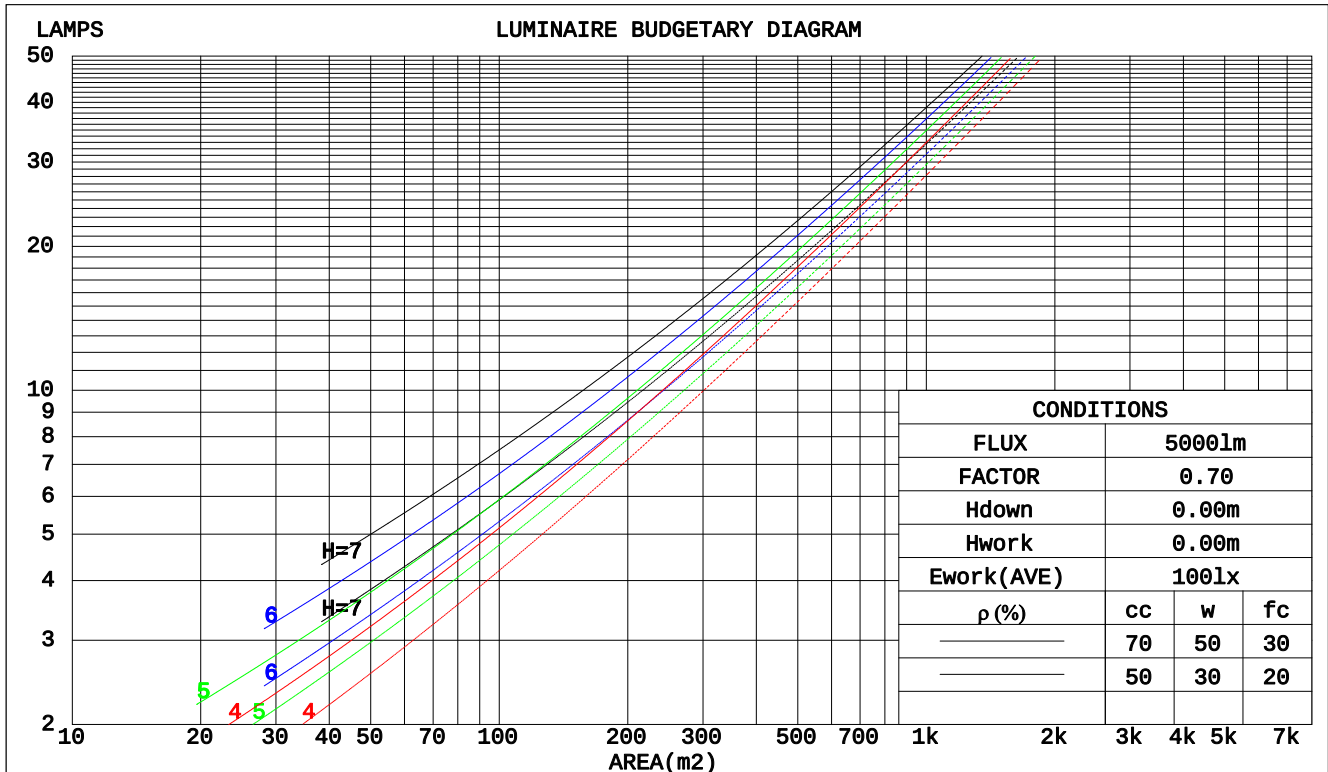
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:11.834m [K=1.0000]
 Remarks:

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-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 4000K 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	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	.47
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-4000K			TYPE:LED		WEIGHT:
SPEC.:0028920256 20W 4000K 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	.168	.144	.165	.144	.124	.113	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.185	.144	.108	.159	.124	.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	.098	.060	.100	.068	.042	.058	.040	.025	.019	.013	.008	
5.0	.162	.103	.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	.019	.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	.067	.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-4000K					TYPE:LED			WEIGHT:		
SPEC.:0028920256 20W 4000K 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	24.7	26.2	25.0	26.5	26.7	24.7	26.2	25.0	26.4	26.7
3H	26.3	27.8	26.7	28.0	28.3	26.3	27.7	26.6	28.0	28.3
4H	27.1	28.4	27.4	28.7	29.0	27.0	28.4	27.4	28.6	28.9
6H	27.6	28.9	28.0	29.2	29.5	27.6	28.9	28.0	29.2	29.5
8H	27.9	29.1	28.3	29.4	29.8	27.9	29.1	28.2	29.4	29.7
12H	28.1	29.3	28.5	29.6	30.0	28.1	29.3	28.5	29.6	30.0
4H 2H	25.3	26.7	25.7	27.0	27.3	25.3	26.7	25.7	27.0	27.2
3H	27.2	28.4	27.6	28.7	29.0	27.2	28.3	27.5	28.7	29.0
4H	28.0	29.1	28.4	29.5	29.8	28.0	29.1	28.4	29.4	29.8
6H	28.8	29.7	29.2	30.1	30.5	28.8	29.7	29.2	30.1	30.5
8H	29.1	30.0	29.5	30.4	30.8	29.1	30.0	29.5	30.4	30.8
12H	29.4	30.3	29.9	30.7	31.1	29.4	30.2	29.9	30.7	31.1
8H 4H	28.4	29.3	28.8	29.6	30.1	28.3	29.2	28.8	29.6	30.0
6H	29.3	30.0	29.8	30.5	30.9	29.3	30.0	29.7	30.5	30.9
8H	29.8	30.4	30.2	30.9	31.4	29.7	30.4	30.2	30.9	31.3
12H	30.2	30.8	30.7	31.3	31.8	30.2	30.8	30.7	31.3	31.8
12H 4H	28.4	29.2	28.8	29.6	30.1	28.4	29.2	28.8	29.6	30.1
6H	29.4	30.1	29.9	30.5	31.0	29.4	30.1	29.9	30.5	31.0
8H	29.9	30.5	30.4	31.0	31.5	29.9	30.5	30.4	31.0	31.5
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, 1970 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-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 4000K 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

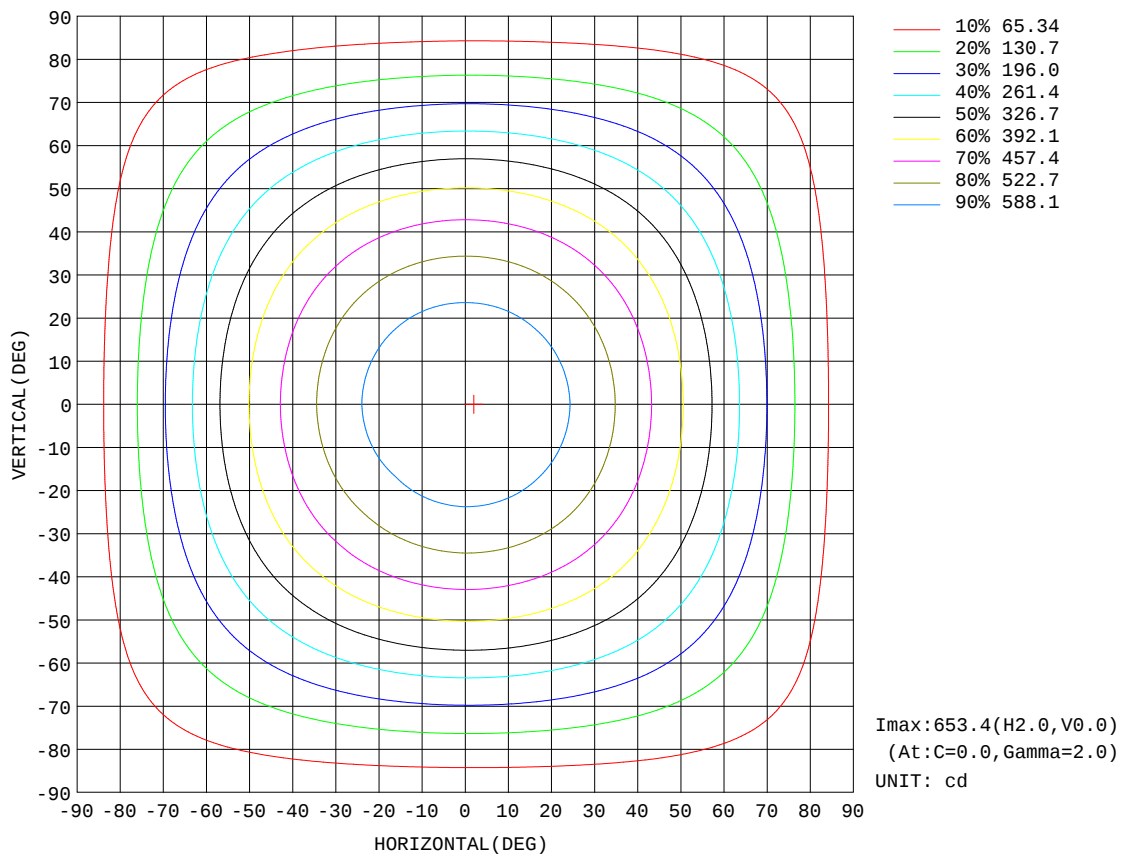
Checker: CHENXIAOFU

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 4000K 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

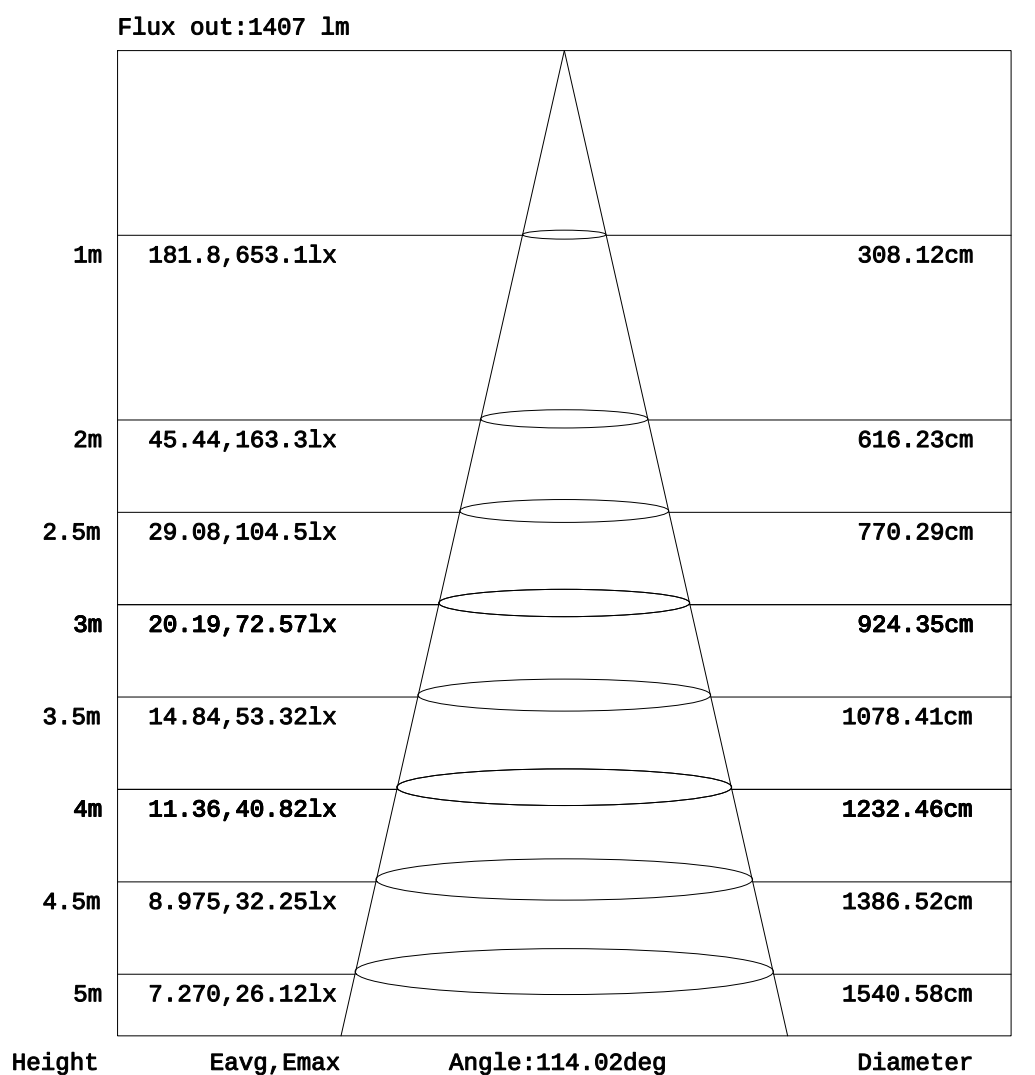
Checker: CHENXIAOFU

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-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 4000K 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

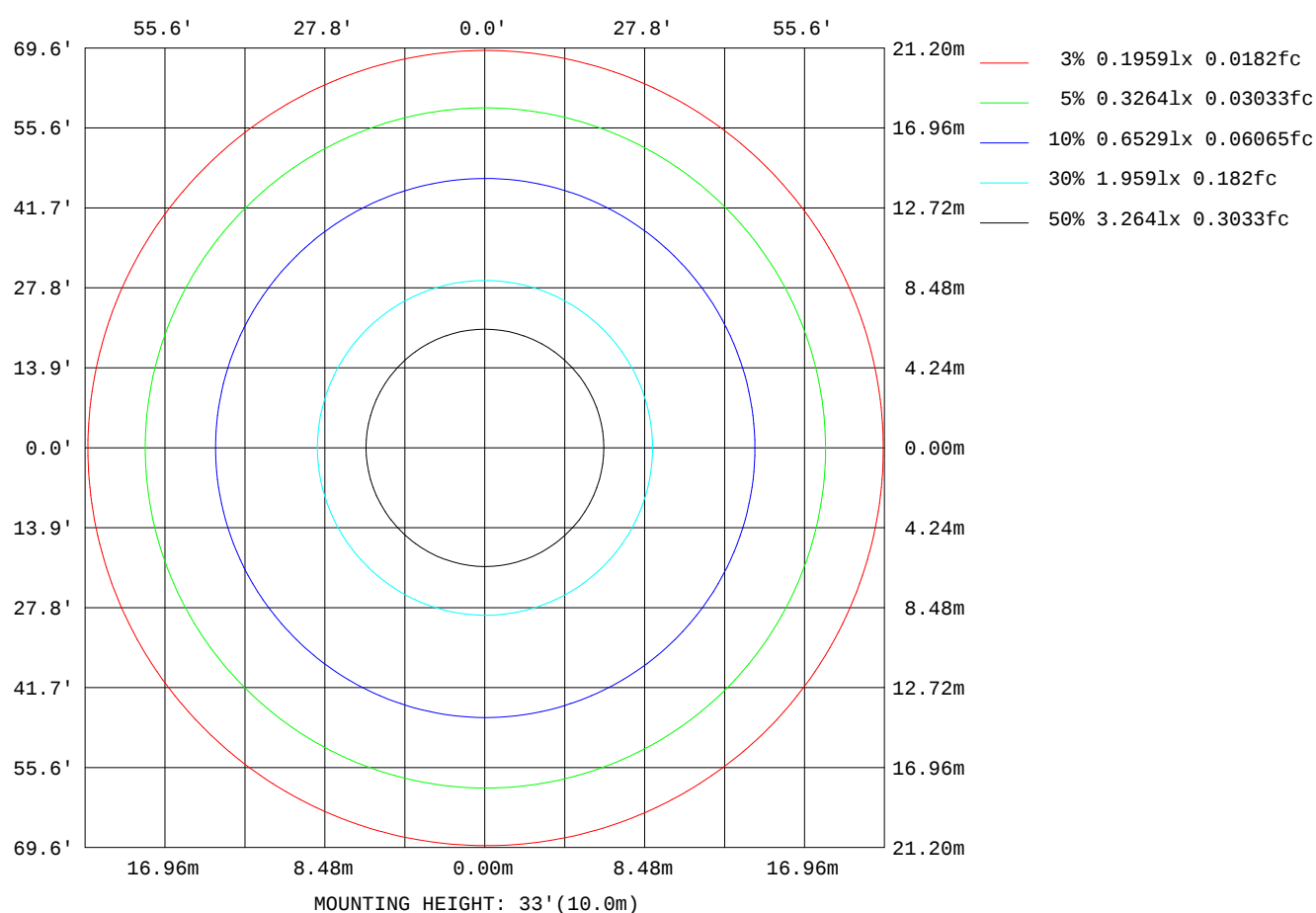
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

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-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 4000K 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-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 4000K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	58035
L_0~180(75)av	55172
L_0~180(85)av	67437
L_90~270(65)av	57966
L_90~270(75)av	55390
L_90~270(85)av	69317
L_45(65)av	57890
L_45(75)av	55210
L_45(85)av	68399

Standard: GB/T 29293-2012

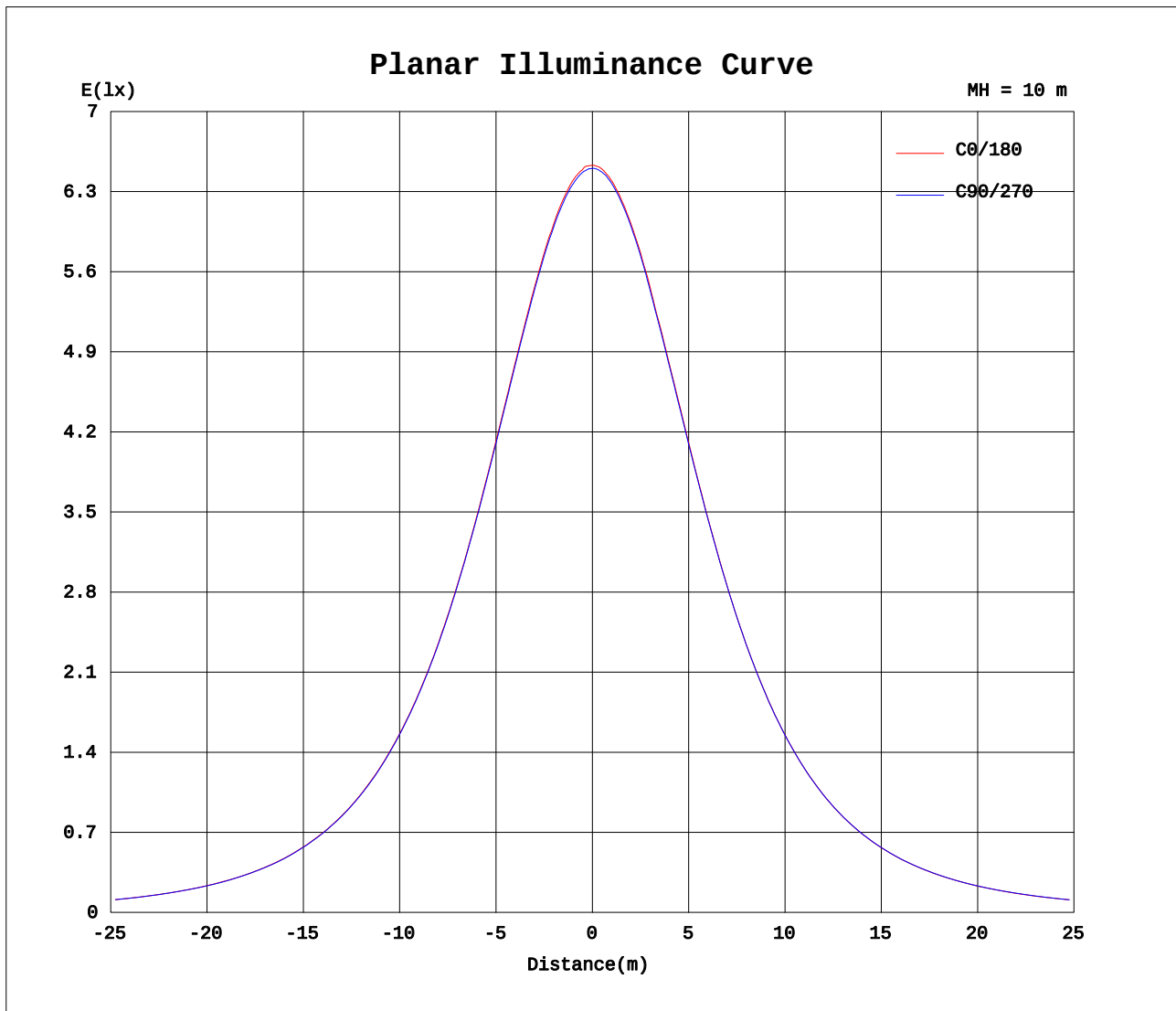
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:
 Test Date:2025-03-24

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-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 4000K 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	653	651	650	650	653	651	650	650										
5	650	649	647	647	650	649	648	647										
10	642	641	639	638	641	639	639	638										
15	628	626	625	625	628	626	626	624										
20	608	606	606	603	608	605	605	604										
25	584	582	582	579	583	581	581	582										
30	555	554	553	550	553	552	552	552										
35	521	521	519	516	519	518	518	519										
40	483	483	482	479	481	480	480	481										
45	442	442	440	437	439	438	439	439										
50	397	397	395	392	393	392	394	395										
55	349	349	348	344	345	344	346	347										
60	298	299	297	294	295	293	296	297										
65	247	248	246	244	243	241	244	245										
70	195	196	194	192	191	190	193	194										
75	145	146	144	142	141	140	143	144										
80	98.3	99.6	98.2	96.6	94.6	94.5	97.9	98.8										
85	60.1	61.2	60.4	59.0	57.4	57.4	60.4	60.8										
90	31.3	32.4	32.3	31.0	30.0	29.9	32.1	31.9										
95	12.6	10.5	13.8	8.18	12.4	9.12	13.9	11.0										
100	3.11	1.76	1.54	1.51	3.09	1.39	1.55	1.47										
105	1.76	1.81	1.82	1.81	1.71	1.60	1.76	1.58										
110	1.98	2.08	2.09	2.17	1.95	1.91	2.06	1.94										
115	2.26	2.37	2.45	2.51	2.19	2.15	2.34	2.26										
120	2.60	2.63	2.81	2.84	2.50	2.47	2.67	2.60										
125	2.79	2.97	3.12	3.11	2.70	2.57	2.90	2.83										
130	3.08	3.38	3.42	3.04	2.97	2.93	3.36	3.16										
135	3.42	3.56	3.84	3.29	3.34	3.29	3.62	3.24										
140	3.80	3.57	3.95	3.51	3.65	3.35	3.88	3.28										
145	3.87	3.77	3.97	3.81	3.76	3.51	3.92	3.64										
150	3.88	4.10	4.00	4.04	3.90	4.02	4.00	3.88										
155	4.08	4.16	4.10	4.09	4.06	3.96	4.08	3.94										
160	4.24	4.27	4.27	4.38	4.22	4.08	4.20	4.10										
165	4.42	4.51	4.70	4.43	4.38	4.26	4.57	4.38										
170	4.46	4.87	4.69	4.54	4.67	4.41	4.77	4.76										
175	4.93	5.50	5.22	5.27	5.58	5.08	4.94	5.14										
180	6.74	6.43	6.41	6.24	6.77	6.43	6.42	6.23										

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