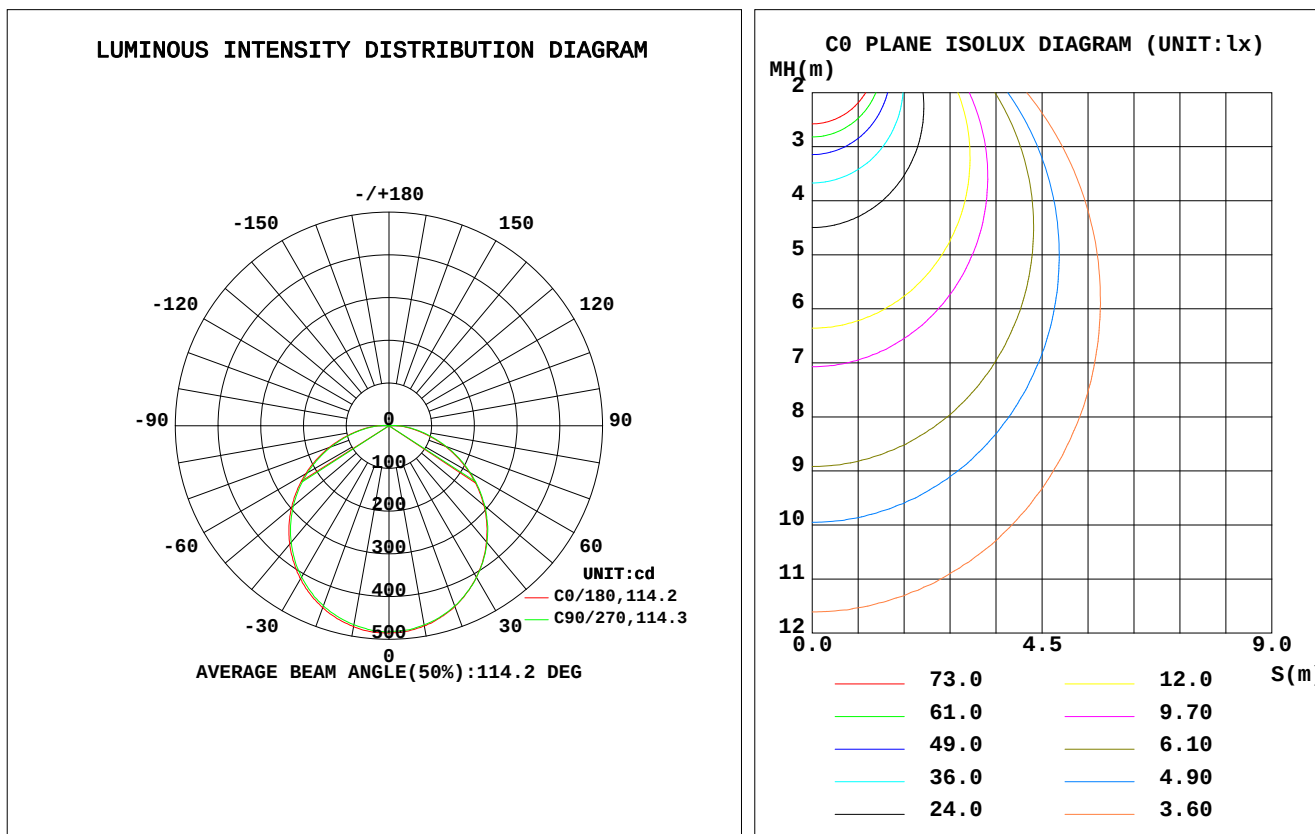


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220-240V I:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.5 lm/W			
MODEL		Imax(cd)	450	S/MH(C0/180)	1.27
NOMINAL POWER(W)	16W	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1400	η UP, DN(C0-180)	0.8, 49.1
NOMINAL FLUX(lm)	1400	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.7, 49.4
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	482.9	480.2	480.0	479.4	484.2	480.8	480.1	478.5	0- 5	11.52	11.52	0.79,0.79
10	475.5	474.9	473.4	473.4	477.4	475.2	473.1	472.5	5- 10	34.17	45.69	3.12,3.12
15	465.2	463.9	463.2	462.6	467.7	464.5	462.7	462.0	10- 15	55.66	101.3	6.93,6.93
20	450.2	449.8	449.0	449.0	453.2	450.3	448.5	446.9	15- 20	75.31	176.7	12.1,12.1
25	431.3	431.5	430.9	431.4	435.3	432.3	430.4	427.8	20- 25	92.44	269.1	18.4,18.4
30	409.0	409.4	409.9	410.4	414.3	411.6	409.0	406.2	25- 30	106.5	375.6	25.7,25.7
35	383.9	383.9	384.9	385.9	389.1	386.7	384.6	381.8	30- 35	117.1	492.7	33.7,33.7
40	355.3	356.8	356.9	358.3	361.8	358.5	356.2	353.6	35- 40	123.8	616.5	42.2,42.2
45	323.8	325.7	326.1	326.7	331.1	327.8	325.5	322.4	40- 45	126.5	742.9	50.8,50.8
50	290.2	291.6	293.2	294.6	297.6	294.4	292.5	289.5	45- 50	125.1	868.0	59.4,59.4
55	253.9	255.2	257.2	258.8	262.4	259.5	257.1	252.8	50- 55	119.6	987.6	67.5,67.5
60	216.2	218.1	219.5	222.1	225.3	222.6	220.0	216.9	55- 60	110.3	1098	75.1,75.1
65	177.9	179.4	181.6	184.0	187.5	184.3	182.1	178.4	60- 65	97.66	1195	81.8,81.8
70	139.4	141.2	142.9	146.2	149.0	146.1	143.7	140.5	65- 70	82.34	1278	87.4,87.4
75	101.9	103.8	106.0	109.0	111.3	109.0	106.4	103.0	70- 75	65.19	1343	91.9,91.9
80	67.92	70.48	72.79	75.44	76.37	74.48	72.63	69.51	75- 80	47.56	1391	95.1,95.1
85	40.89	42.88	44.72	46.89	47.45	45.76	44.47	42.14	80- 85	31.45	1422	97.3,97.3
90	21.12	22.39	23.74	24.99	25.23	24.12	23.64	22.05	85- 90	18.22	1440	98.5,98.5
95	8.586	6.530	9.411	5.443	10.45	6.647	10.27	7.031	90- 95	8.636	1449	99.1,99.1
100	2.348	1.229	1.314	1.127	2.395	1.002	1.102	1.156	95-100	1.898	1451	99.2,99.2
105	1.281	1.364	1.249	1.312	1.250	1.175	1.241	1.162	100-105	0.6685	1451	99.3,99.3
110	1.487	1.582	1.508	1.520	1.446	1.372	1.582	1.383	105-110	0.7150	1452	99.3,99.3
115	1.827	1.808	1.798	1.758	1.623	1.509	1.704	1.600	110-115	0.8080	1453	99.4,99.4
120	1.837	2.036	2.096	1.974	1.800	1.797	1.967	1.798	115-120	0.8826	1454	99.4,99.4
125	2.086	2.211	2.449	2.140	2.036	1.817	2.315	2.075	120-125	0.9300	1455	99.5,99.5
130	2.381	2.388	2.502	2.336	2.242	2.004	2.387	2.141	125-130	0.9644	1456	99.6,99.6
135	2.495	2.553	2.809	2.480	2.458	2.262	2.852	2.263	130-135	0.9729	1457	99.6,99.6
140	2.625	2.779	3.098	2.584	2.563	2.474	2.791	2.603	135-140	0.9731	1458	99.7,99.7
145	2.830	2.863	2.986	2.873	2.759	2.593	2.823	2.655	140-145	0.9180	1459	99.8,99.8
150	3.101	3.110	2.962	2.955	2.924	2.798	2.872	2.759	145-150	0.8447	1459	99.8,99.8
155	3.119	3.124	3.064	3.038	3.028	3.110	3.007	2.914	150-155	0.7521	1460	99.9,99.9
160	3.110	3.237	3.127	3.131	3.141	3.109	3.131	3.151	155-160	0.6473	1461	99.9,99.9
165	3.265	3.655	3.336	3.266	3.234	3.223	3.389	3.388	160-165	0.5343	1461	99.9,99.9
170	3.418	3.905	3.553	3.502	3.337	3.306	3.731	3.766	165-170	0.4055	1462	100,100
175	3.994	4.331	3.904	3.720	3.710	3.533	4.009	4.091	170-175	0.2635	1462	100,100
180	4.598	4.618	4.422	4.556	4.587	4.587	4.505	4.505	175-180	0.0986	1462	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 742.94 lm

%lum = 50.8%

%lamp = 50.8%

Conical surface Flux(120deg): 1097.8 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

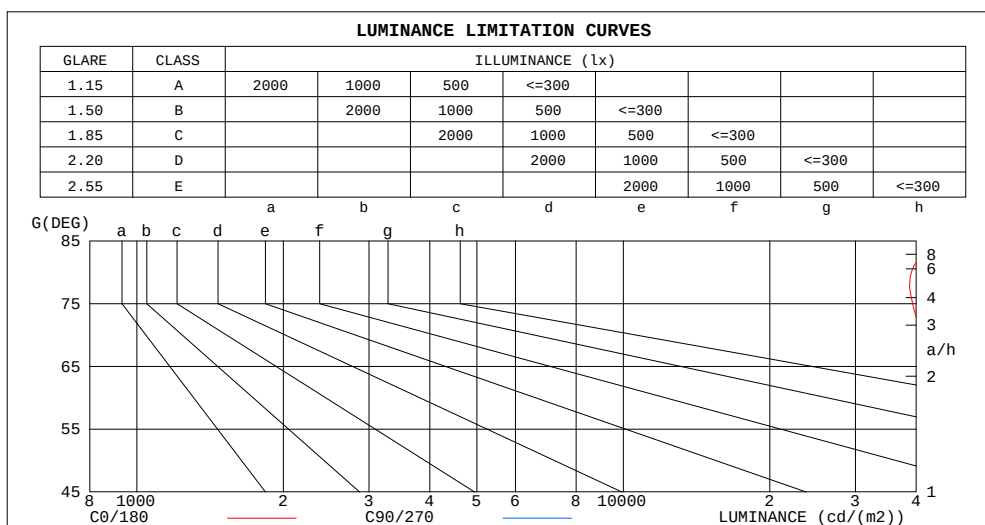
Checker: CHENXIAOFU

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	46911	51309
80	39115	41920
75	39358	40964
70	40744	41795
65	42096	42981
60	43238	43892
55	44273	44836
50	45140	45618
45	45789	46121

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

Checker: CHENXIAOFU

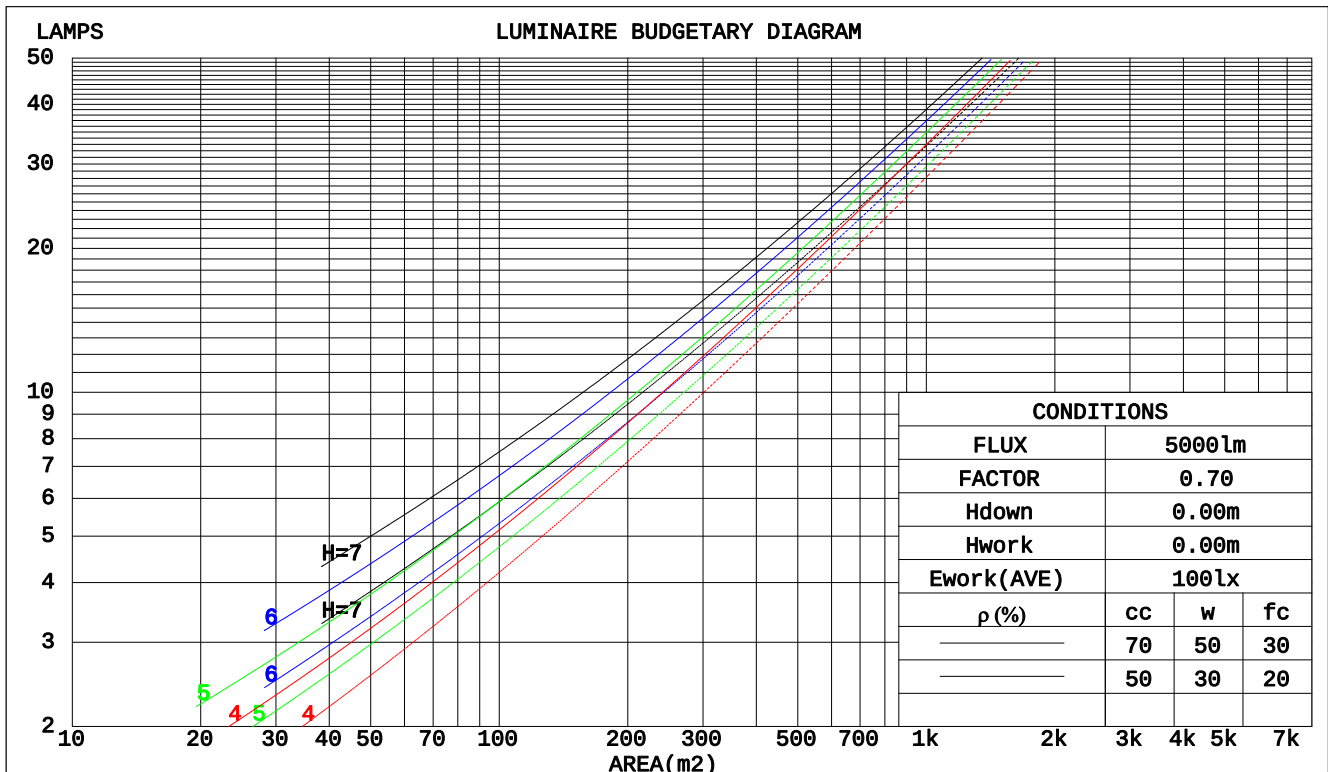
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:11.834m [K=1.0000]
 Remarks:

Assessor: Ju Hongli

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220-240V I:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE: LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	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)															
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	.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	.52	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.39	.52	.44	.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	.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	.28	.39	.32	.27	.38	.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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	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	.188	.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	.262	.148	.047		
3.0	.278	.148	.044	.272	.145	.044	.260	.141	.043	.250	.137	.042	.240	.133	.041		
4.0	.254	.132	.039	.249	.130	.039	.239	.127	.038	.230	.124	.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	.205	.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	.188	.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	.050	.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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	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	24.6	26.1	24.9	26.3	26.6	24.6	26.2	24.9	26.4	26.6
3H	26.2	27.6	26.5	27.8	28.1	26.2	27.7	26.6	27.9	28.2
4H	26.8	28.2	27.2	28.5	28.8	27.0	28.3	27.3	28.6	28.9
6H	27.4	28.7	27.8	29.0	29.3	27.6	28.8	27.9	29.1	29.4
8H	27.6	28.9	28.0	29.2	29.5	27.8	29.0	28.2	29.4	29.7
12H	27.8	29.0	28.2	29.3	29.7	28.1	29.2	28.4	29.6	29.9
4H 2H	25.2	26.5	25.5	26.8	27.1	25.2	26.6	25.6	26.9	27.2
3H	27.0	28.2	27.4	28.5	28.8	27.1	28.2	27.4	28.6	28.9
4H	27.8	28.9	28.2	29.2	29.6	27.9	29.0	28.3	29.3	29.7
6H	28.5	29.5	28.9	29.9	30.3	28.7	29.6	29.1	30.0	30.4
8H	28.8	29.7	29.2	30.1	30.5	29.0	29.9	29.4	30.3	30.7
12H	29.1	29.9	29.6	30.3	30.8	29.3	30.1	29.8	30.6	31.0
8H 4H	28.1	29.0	28.6	29.4	29.8	28.2	29.1	28.6	29.5	29.9
6H	29.0	29.8	29.5	30.2	30.7	29.2	29.9	29.6	30.3	30.8
8H	29.4	30.1	29.9	30.6	31.1	29.6	30.3	30.1	30.7	31.2
12H	29.9	30.5	30.4	30.9	31.4	30.1	30.7	30.6	31.1	31.7
12H 4H	28.2	29.0	28.6	29.4	29.8	28.2	29.1	28.7	29.5	29.9
6H	29.1	29.8	29.6	30.2	30.7	29.2	29.9	29.7	30.4	30.9
8H	29.6	30.2	30.1	30.7	31.2	29.8	30.4	30.3	30.8	31.3
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, 1462 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.3$)

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
 γ 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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	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	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

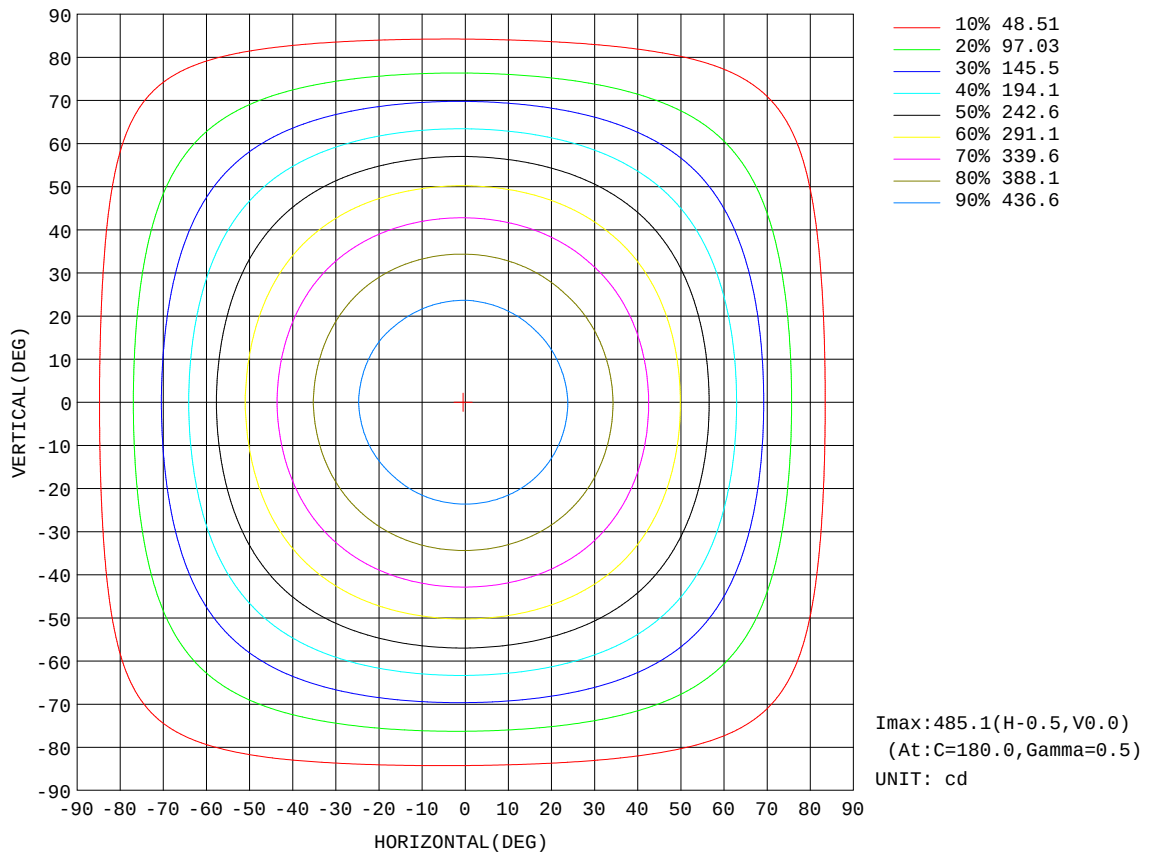
Checker: CHENXIAOFU

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	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

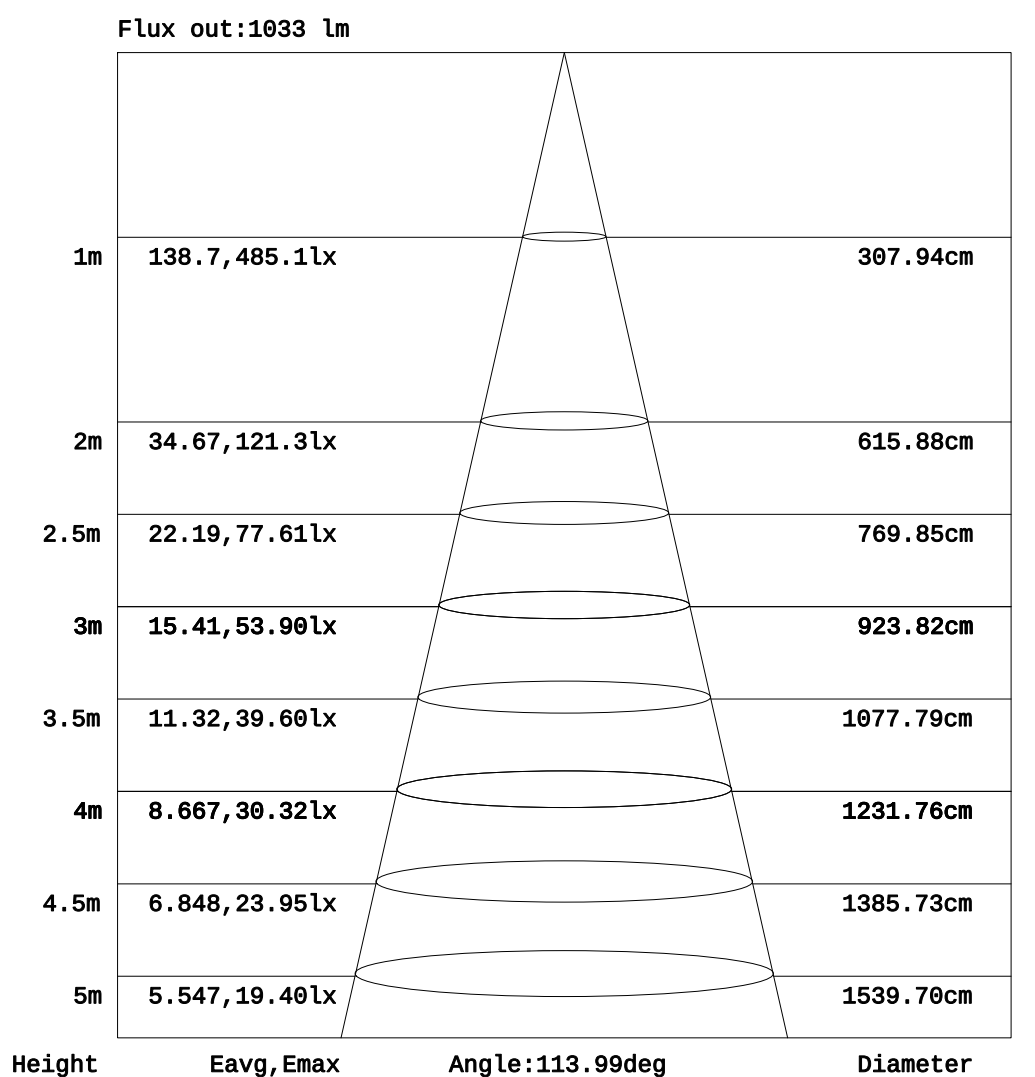
Checker: CHENXIAOFU

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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	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

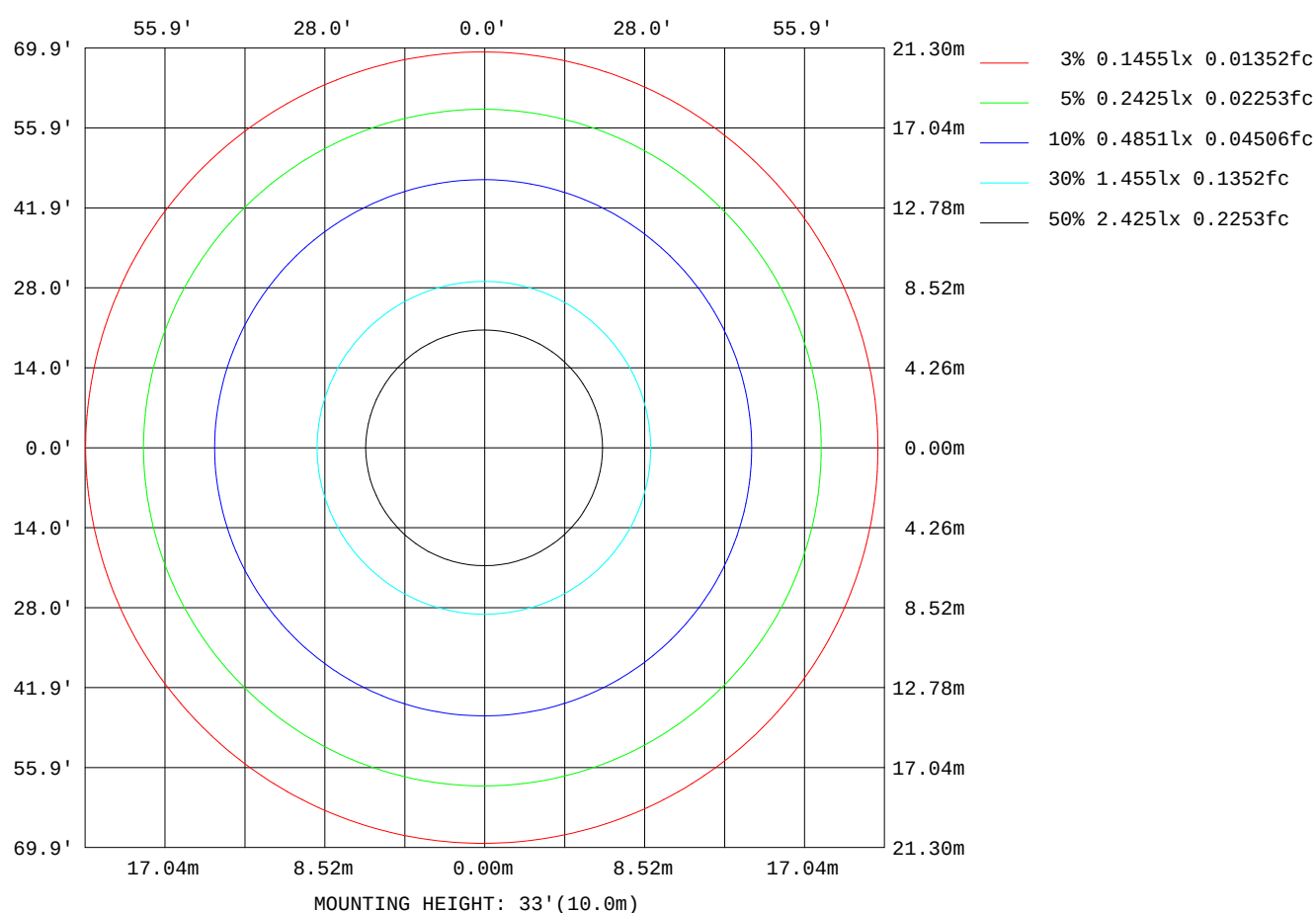
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

ISOLUX DIAGRAM

Test:U:220-240V I:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE: LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	43230
L_0~180(75)av	41190
L_0~180(85)av	50679
L_90~270(65)av	43034
L_90~270(75)av	41036
L_90~270(85)av	51165
L_45(65)av	42955
L_45(75)av	41031
L_45(85)av	50963

Standard: GB/T 29293-2012

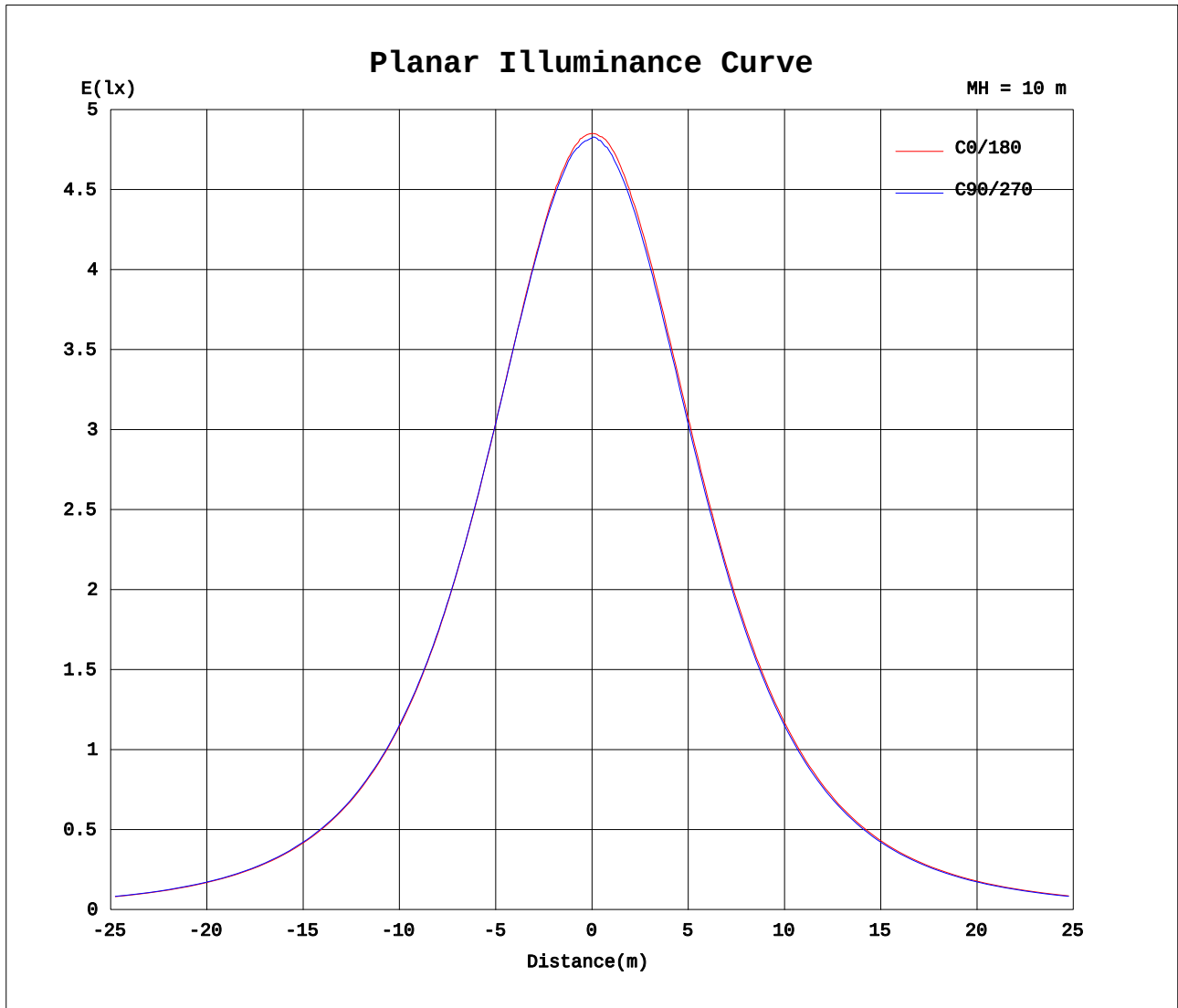
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

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:0.085A P:16W PF:0.75 Freq:50.00Hz Lamp Flux:1400x1 lm		
NAME: BHD3S-TC-S-16W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 16W 3000K 1400lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEC)	0	45	90	135	180	225	270	315										
γ (DEC)	0	45	90	135	180	225	270	315										
0	485	484	482	480	485	484	482	480										
5	483	480	480	479	484	481	480	478										
10	475	475	473	473	477	475	473	472										
15	465	464	463	463	468	465	463	462										
20	450	450	449	449	453	450	449	447										
25	431	432	431	431	435	432	430	428										
30	409	409	410	410	414	412	409	406										
35	384	384	385	386	389	387	385	382										
40	355	357	357	358	362	359	356	354										
45	324	326	326	327	331	328	325	322										
50	290	292	293	295	298	294	293	290										
55	254	255	257	259	262	259	257	253										
60	216	218	219	222	225	223	220	217										
65	178	179	182	184	187	184	182	178										
70	139	141	143	146	149	146	144	140										
75	102	104	106	109	111	109	106	103										
80	67.9	70.5	72.8	75.4	76.4	74.5	72.6	69.5										
85	40.9	42.9	44.7	46.9	47.5	45.8	44.5	42.1										
90	21.1	22.4	23.7	25.0	25.2	24.1	23.6	22.1										
95	8.59	6.53	9.41	5.44	10.4	6.65	10.3	7.03										
100	2.35	1.23	1.31	1.13	2.39	1.00	1.10	1.16										
105	1.28	1.36	1.25	1.31	1.25	1.18	1.24	1.16										
110	1.49	1.58	1.51	1.52	1.45	1.37	1.58	1.38										
115	1.83	1.81	1.80	1.76	1.62	1.51	1.70	1.60										
120	1.84	2.04	2.10	1.97	1.80	1.80	1.97	1.80										
125	2.09	2.21	2.45	2.14	2.04	1.82	2.32	2.07										
130	2.38	2.39	2.50	2.34	2.24	2.00	2.39	2.14										
135	2.49	2.55	2.81	2.48	2.46	2.26	2.85	2.26										
140	2.62	2.78	3.10	2.58	2.56	2.47	2.79	2.60										
145	2.83	2.86	2.99	2.87	2.76	2.59	2.82	2.66										
150	3.10	3.11	2.96	2.96	2.92	2.80	2.87	2.76										
155	3.12	3.12	3.06	3.04	3.03	3.11	3.01	2.91										
160	3.11	3.24	3.13	3.13	3.14	3.11	3.13	3.15										
165	3.26	3.66	3.34	3.27	3.23	3.22	3.39	3.39										
170	3.42	3.91	3.55	3.50	3.34	3.31	3.73	3.77										
175	3.99	4.33	3.90	3.72	3.71	3.53	4.01	4.09										
180	4.60	4.62	4.42	4.56	4.59	4.59	4.50	4.50										

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