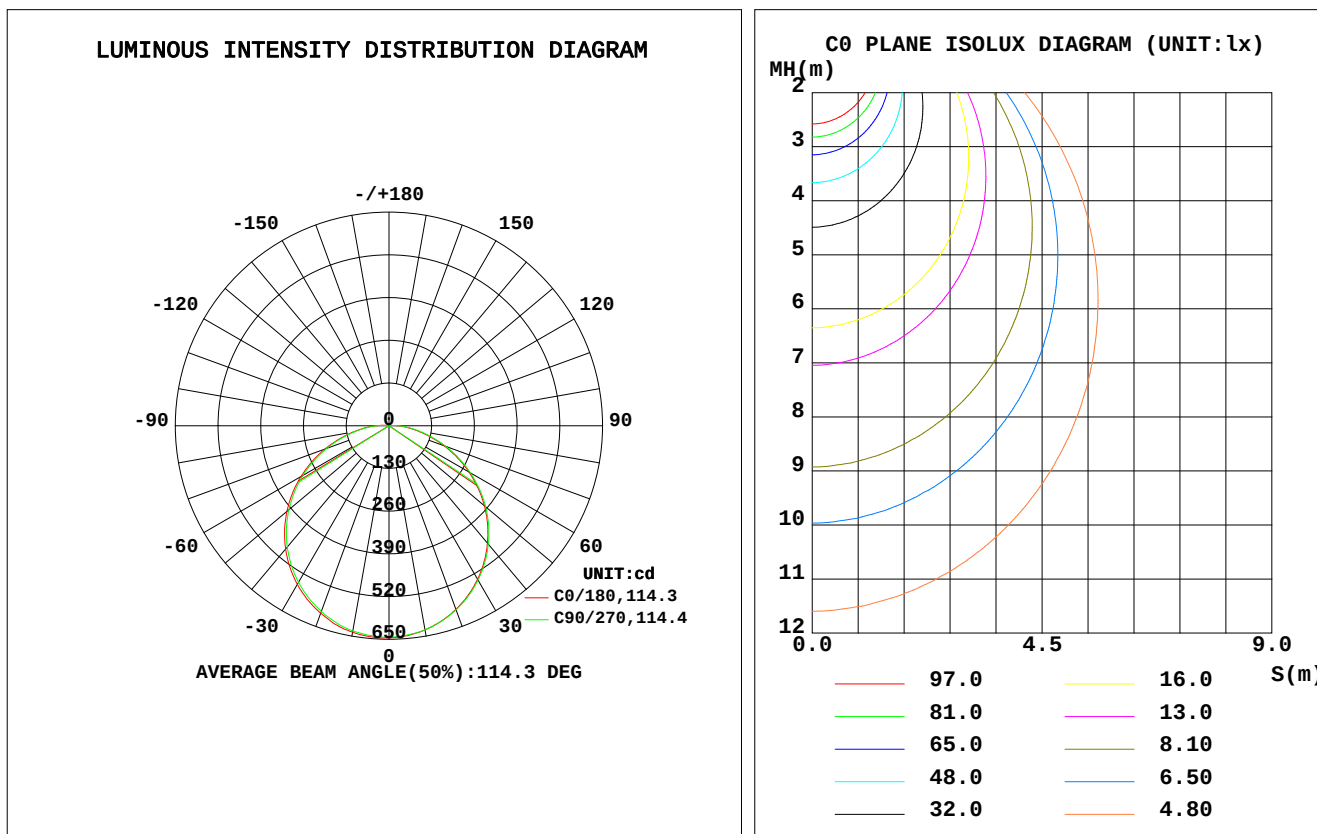


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 4000K 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)	1.28
NOMINAL POWER(W)	21W	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	2000	η UP, DN(C0-180)	0.7, 48.2
NOMINAL FLUX(lm)	2000	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 50.3
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	98.4	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	641.5	639.9	639.1	641.0	644.4	643.2	640.7	639.5	0- 5	15.36	15.36	0.78,0.78
10	631.0	629.7	630.5	633.1	637.9	636.1	634.1	630.5	5- 10	45.57	60.93	3.11,3.11
15	615.2	612.7	616.0	619.6	626.3	624.0	620.6	616.2	10- 15	74.27	135.2	6.9,6.9
20	594.8	592.8	596.0	600.0	607.4	606.3	601.8	596.4	15- 20	100.4	235.6	12,12
25	569.3	567.7	571.4	577.6	585.1	584.1	578.3	572.4	20- 25	123.2	358.8	18.3,18.3
30	539.4	537.3	542.5	549.2	557.5	556.6	550.7	543.6	25- 30	142.1	500.9	25.6,25.6
35	504.6	502.8	508.3	516.6	525.7	524.6	518.5	510.0	30- 35	156.2	657.1	33.6,33.6
40	466.1	464.8	470.0	479.8	489.5	488.4	481.4	472.7	35- 40	165.3	822.4	42,42
45	424.6	422.5	429.5	438.8	449.5	448.4	441.4	430.8	40- 45	168.9	991.3	50.6,50.6
50	378.9	377.7	383.9	394.7	405.8	404.7	397.7	386.8	45- 50	167.1	1158	59.1,59.1
55	330.8	329.5	336.2	347.4	358.8	358.5	350.9	339.5	50- 55	159.8	1318	67.3,67.3
60	280.3	279.7	285.6	297.9	309.5	308.8	301.9	289.6	55- 60	147.4	1466	74.8,74.8
65	229.3	228.7	235.1	247.2	258.7	258.0	252.0	239.2	60- 65	130.6	1596	81.5,81.5
70	178.3	178.0	184.4	196.3	207.2	207.2	201.3	188.7	65- 70	110.4	1707	87.1,87.1
75	129.5	129.5	135.7	146.9	156.8	157.6	151.8	139.4	70- 75	87.64	1794	91.6,91.6
80	86.53	86.95	92.44	102.2	110.5	111.7	106.9	95.63	75- 80	64.56	1859	94.9,94.9
85	52.03	52.51	56.92	64.51	71.04	71.96	68.04	58.91	80- 85	43.40	1902	97.1,97.1
90	27.17	27.56	30.55	35.68	40.40	38.34	38.03	31.73	85- 90	25.77	1928	98.4,98.4
95	12.01	9.868	12.48	8.037	19.35	9.471	16.22	10.86	90- 95	12.57	1941	99.1,99.1
100	4.362	1.952	1.531	1.478	2.952	1.239	1.364	1.861	95-100	2.984	1944	99.2,99.2
105	1.976	1.840	1.724	1.726	1.571	1.477	1.634	1.601	100-105	0.9339	1944	99.3,99.3
110	1.962	2.118	2.004	2.048	1.819	1.735	1.881	1.899	105-110	0.9446	1945	99.3,99.3
115	2.282	2.378	2.312	2.336	2.056	1.973	2.150	2.158	110-115	1.047	1946	99.4,99.4
120	2.653	2.625	2.613	2.635	2.398	2.229	2.441	2.394	115-120	1.140	1948	99.4,99.4
125	2.832	2.904	2.850	2.868	2.590	2.406	2.697	2.582	120-125	1.208	1949	99.5,99.5
130	2.975	3.213	3.161	2.996	2.779	2.737	3.018	2.964	125-130	1.236	1950	99.6,99.6
135	3.364	3.482	3.511	3.193	3.108	2.912	3.389	3.077	130-135	1.257	1951	99.6,99.6
140	3.730	3.565	3.719	3.410	3.503	3.120	3.606	3.223	135-140	1.252	1953	99.7,99.7
145	3.916	3.783	3.782	3.648	3.698	3.388	3.689	3.532	140-145	1.194	1954	99.8,99.8
150	3.812	4.023	3.884	3.917	3.689	3.688	3.782	3.750	145-150	1.103	1955	99.8,99.8
155	4.069	4.071	4.119	4.039	3.906	3.786	3.977	3.853	150-155	0.9888	1956	99.9,99.9
160	4.143	4.360	4.193	4.206	4.102	3.966	4.133	4.159	155-160	0.8474	1957	99.9,99.9
165	4.277	4.639	4.528	4.298	4.257	4.115	4.454	4.474	160-165	0.7056	1957	99.9,99.9
170	4.401	4.898	4.690	4.443	4.432	4.267	4.650	4.856	165-170	0.5277	1958	100,100
175	4.995	5.218	5.031	4.691	4.898	4.587	5.054	5.031	170-175	0.3361	1958	100,100
180	5.589	5.600	5.311	5.620	5.569	5.589	5.362	5.620	175-180	0.1241	1958	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 991.3 lm

%lum = 50.6%

%lamp = 50.6%

Conical surface Flux(120deg): 1465.6 lm

%lum = 74.8%

%lamp = 74.8%

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

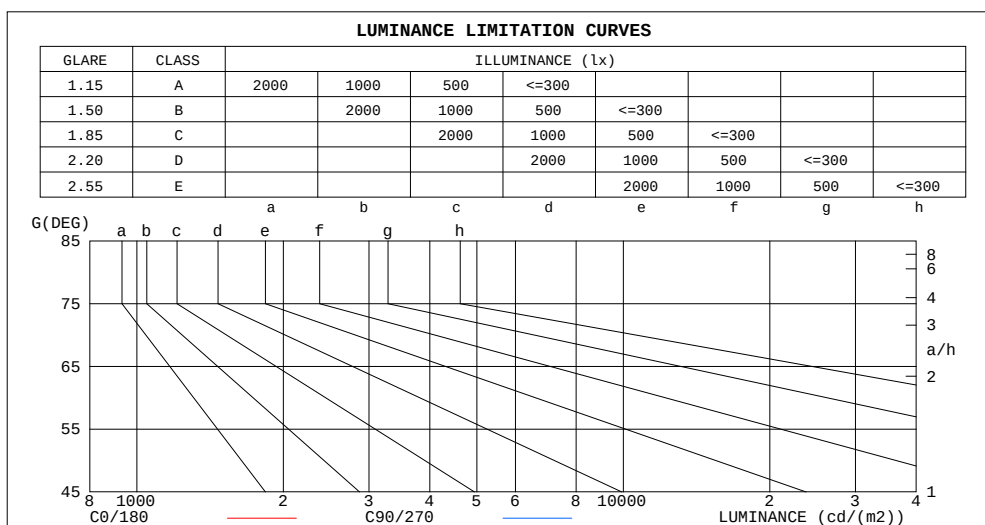
Checker: CHENXIAOFU

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:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 4000K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	59695	65309
80	49830	53236
75	50044	52422
70	52130	53918
65	54267	55629
60	56050	57122
55	57671	58609
50	58954	59718
45	60047	60737

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

Checker: CHENXIAOFU

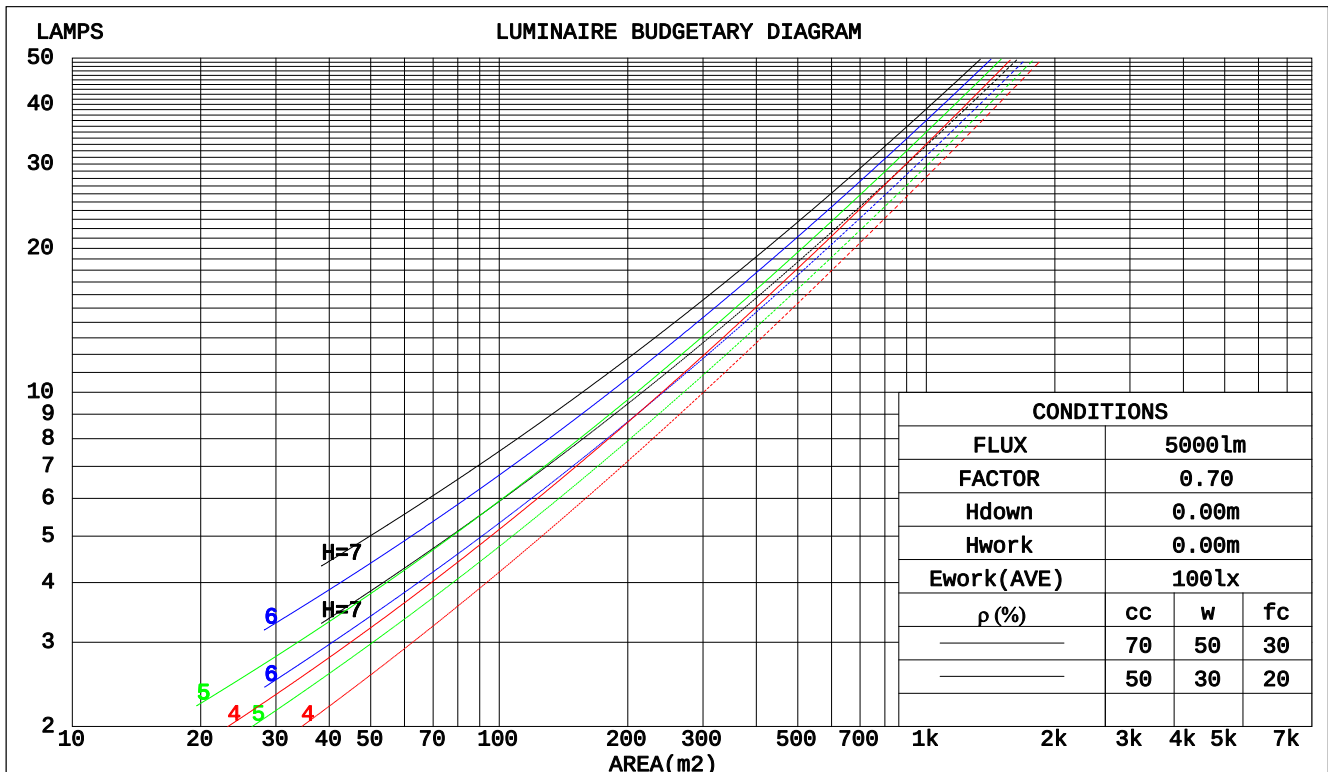
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:11.834m [K=1.0000]
 Remarks:

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:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 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	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	.62	.76	.68	.62	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.60	.53	.67	.59	.52	.64	.57	.51	.62	.56	.50	.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	.48	.42	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.41	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.33	.27	.39	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.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:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 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	.332	.189	.060	.324	.185	.059	.310	.178	.057	.297	.171	.055	.284	.165	.053		
2.0	.304	.167	.051	.297	.164	.050	.285	.158	.049	.273	.153	.048	.262	.148	.047		
3.0	.278	.148	.044	.272	.146	.044	.261	.141	.043	.251	.137	.042	.241	.133	.041		
4.0	.255	.132	.039	.250	.131	.039	.240	.127	.038	.230	.124	.037	.222	.121	.037		
5.0	.235	.120	.035	.230	.118	.034	.221	.115	.034	.213	.112	.033	.205	.110	.033		
6.0	.217	.109	.031	.213	.107	.031	.205	.105	.031	.197	.103	.030	.190	.100	.030		
7.0	.201	.100	.028	.198	.098	.028	.190	.096	.028	.184	.094	.027	.178	.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	.076	.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	.109	.159	.124	.094	.109	.086	.065	.063	.050	.038	.020	.016	.012	
3.0	.178	.126	.085	.153	.109	.074	.105	.076	.052	.061	.044	.031	.019	.014	.010	
4.0	.170	.113	.070	.146	.098	.060	.101	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.163	.103	.059	.140	.089	.051	.096	.062	.036	.056	.037	.021	.018	.012	.007	
6.0	.156	.095	.051	.134	.082	.044	.092	.057	.031	.054	.034	.019	.017	.011	.006	
7.0	.149	.088	.045	.128	.076	.039	.088	.053	.028	.051	.031	.017	.017	.010	.005	
8.0	.142	.082	.041	.122	.071	.035	.085	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.136	.077	.037	.117	.067	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.073	.035	.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:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 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	24.3	25.9	24.6	26.1	26.3	24.4	25.9	24.7	26.2	26.4
3H	25.9	27.3	26.2	27.6	27.8	26.0	27.4	26.3	27.7	28.0
4H	26.6	27.9	26.9	28.2	28.5	26.7	28.0	27.0	28.3	28.6
6H	27.1	28.4	27.4	28.7	29.0	27.3	28.5	27.6	28.8	29.2
8H	27.3	28.5	27.7	28.9	29.2	27.5	28.7	27.9	29.1	29.4
12H	27.5	28.7	27.9	29.0	29.4	27.8	28.9	28.1	29.3	29.6
4H 2H	25.0	26.3	25.3	26.6	26.9	25.0	26.4	25.3	26.6	26.9
3H	26.7	27.9	27.1	28.2	28.5	26.8	28.0	27.2	28.3	28.6
4H	27.5	28.6	27.9	28.9	29.3	27.6	28.7	28.0	29.0	29.4
6H	28.2	29.1	28.6	29.5	29.9	28.3	29.3	28.8	29.7	30.1
8H	28.5	29.4	28.9	29.8	30.2	28.7	29.6	29.1	30.0	30.4
12H	28.8	29.6	29.2	30.0	30.4	29.0	29.8	29.4	30.2	30.7
8H 4H	27.8	28.7	28.2	29.1	29.5	27.9	28.8	28.3	29.2	29.6
6H	28.7	29.4	29.1	29.8	30.3	28.8	29.6	29.3	30.0	30.5
8H	29.1	29.7	29.6	30.2	30.7	29.3	29.9	29.7	30.4	30.9
12H	29.5	30.1	30.0	30.6	31.1	29.7	30.3	30.2	30.8	31.3
12H 4H	27.8	28.6	28.3	29.1	29.5	27.9	28.7	28.4	29.2	29.6
6H	28.8	29.4	29.2	29.9	30.4	28.9	29.6	29.4	30.0	30.5
8H	29.2	29.8	29.7	30.3	30.8	29.4	30.0	29.9	30.5	31.0
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, 1958 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.3$)

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
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:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 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	43	37	30
0.80	66	54	46	65	54	46	63	53	46	39
1.00	74	63	55	73	62	55	71	63	54	47
1.25	81	70	63	80	70	62	77	68	62	54
1.50	86	76	69	84	75	68	81	73	67	59
2.00	93	84	77	91	83	76	87	80	75	67
2.50	97	89	82	95	87	81	91	85	80	71
3.00	101	93	87	98	92	86	94	88	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

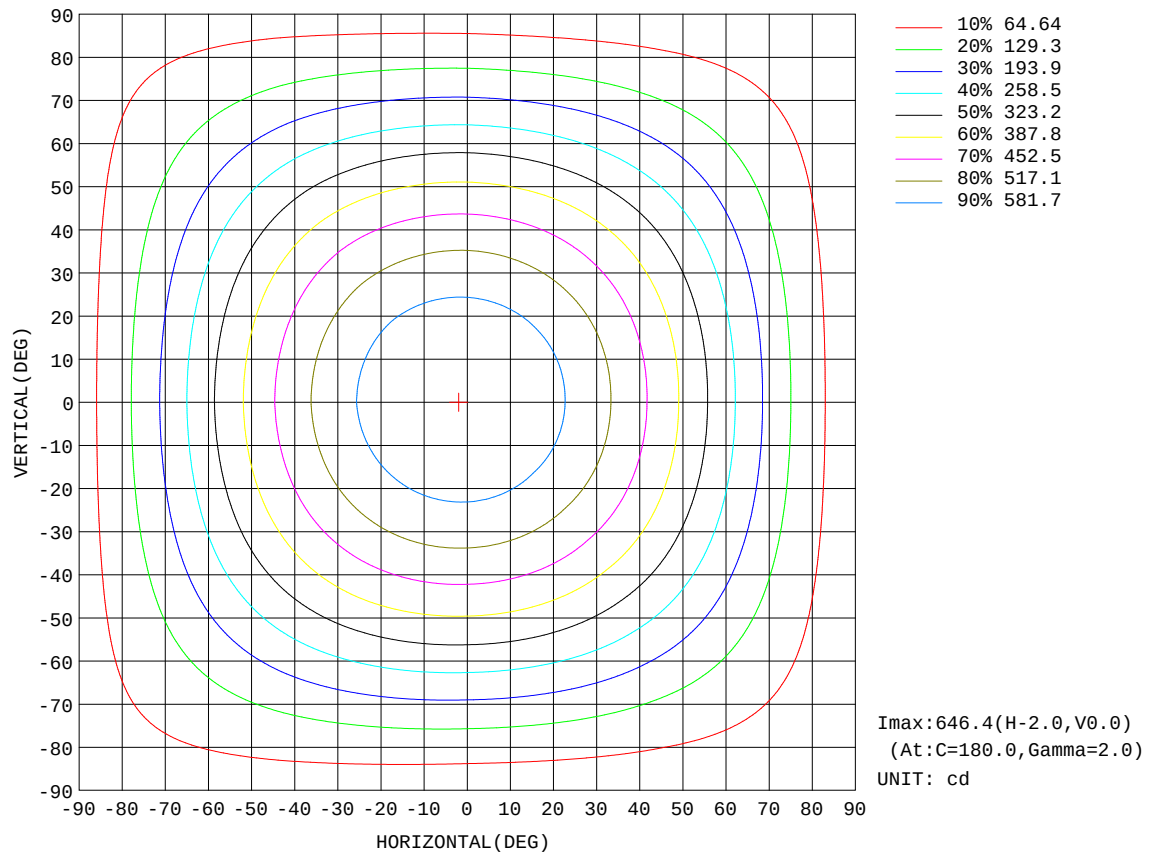
Checker: CHENXIAOFU

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:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920257 21W 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

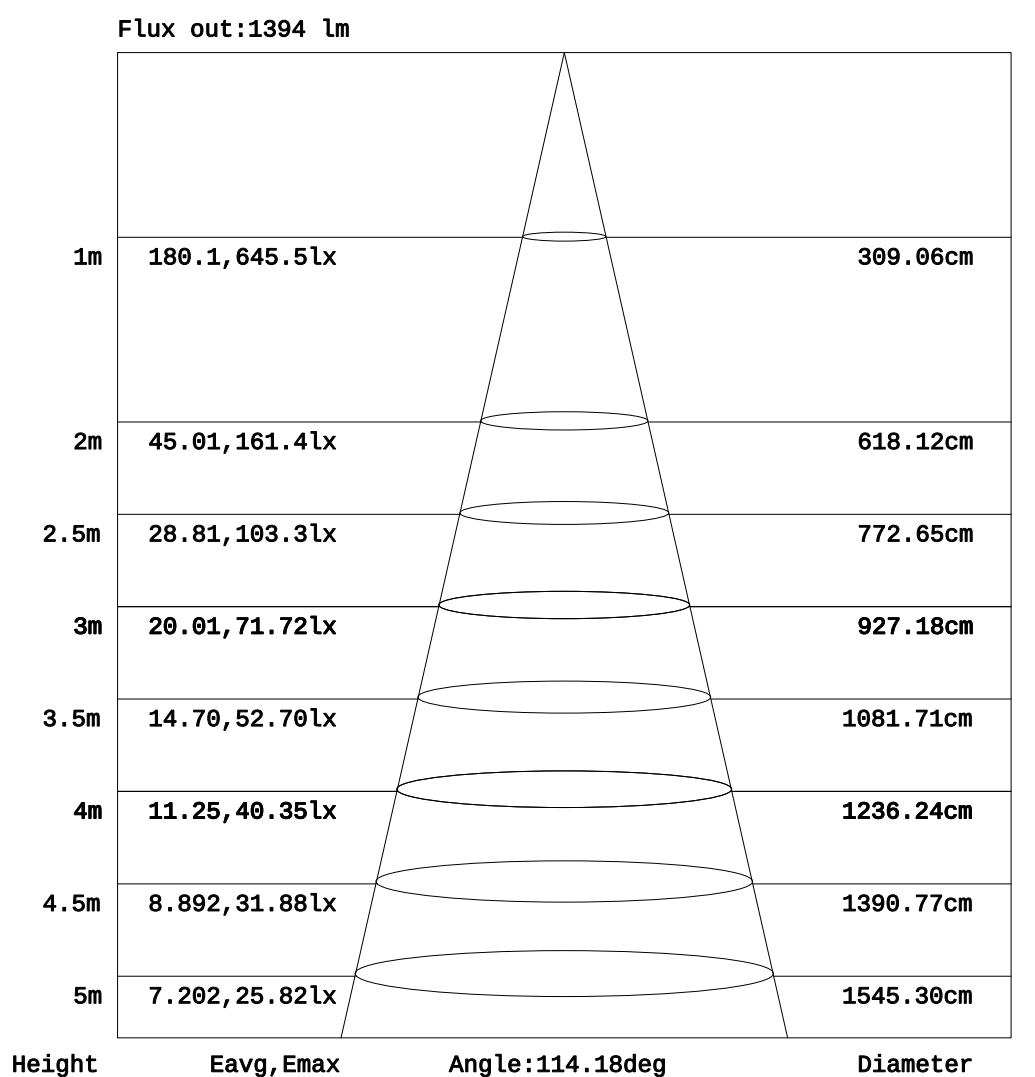
Checker: CHENXIAOFU

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:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 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

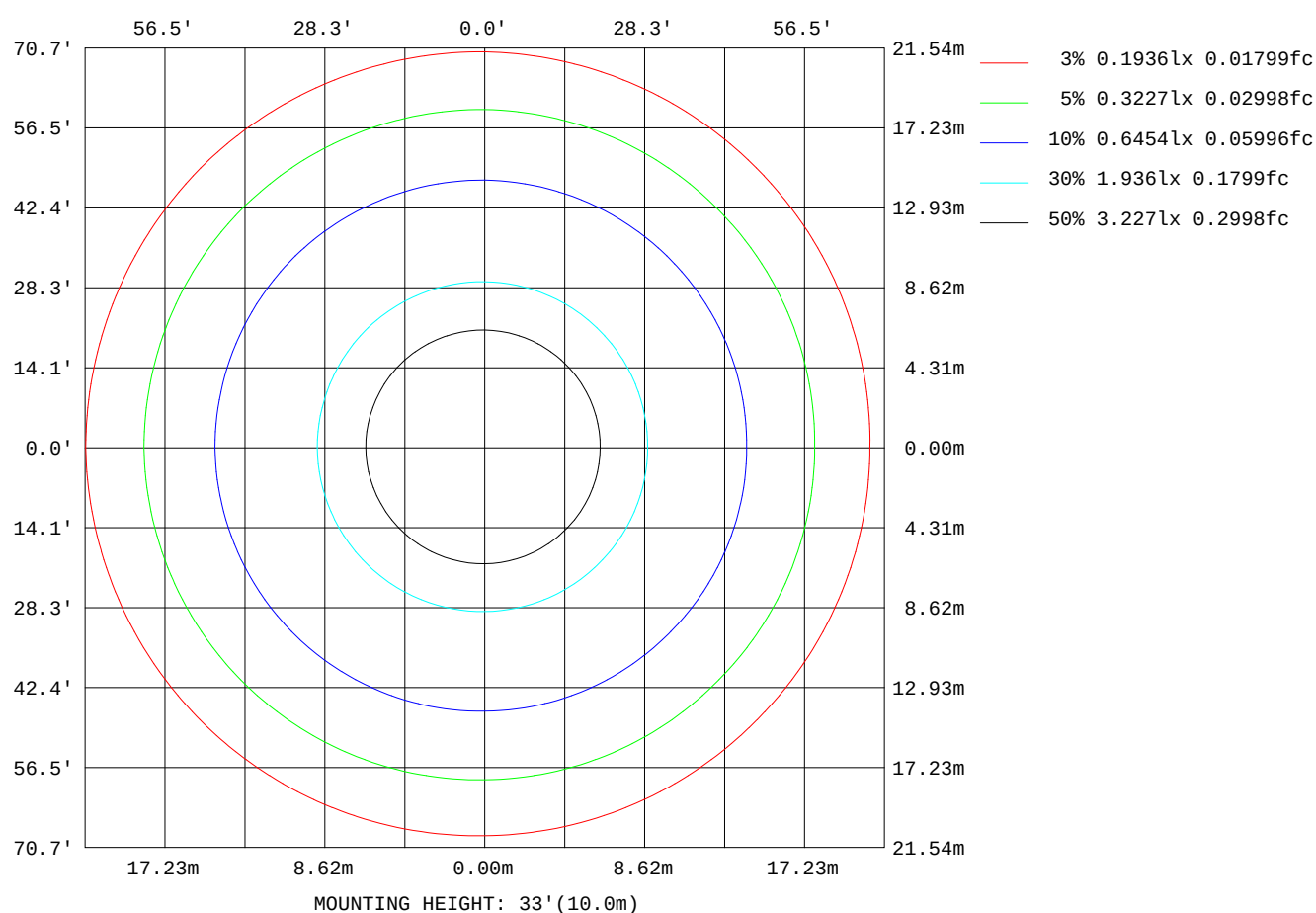
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

ISOLUX DIAGRAM

Test:U:220-240V I:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE: LED	WEIGHT:
SPEC.:0028920257 21W 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:0.105A P:21W PF:0.75 Freq:50.00Hz Lamp Flux:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 4000K 2000lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	57735
L_0~180(75)av	55319
L_0~180(85)av	70600
L_90~270(65)av	57629
L_90~270(75)av	55541
L_90~270(85)av	71690
L_45(65)av	57566
L_45(75)av	55378
L_45(85)av	71106

Standard: GB/T 29293-2012

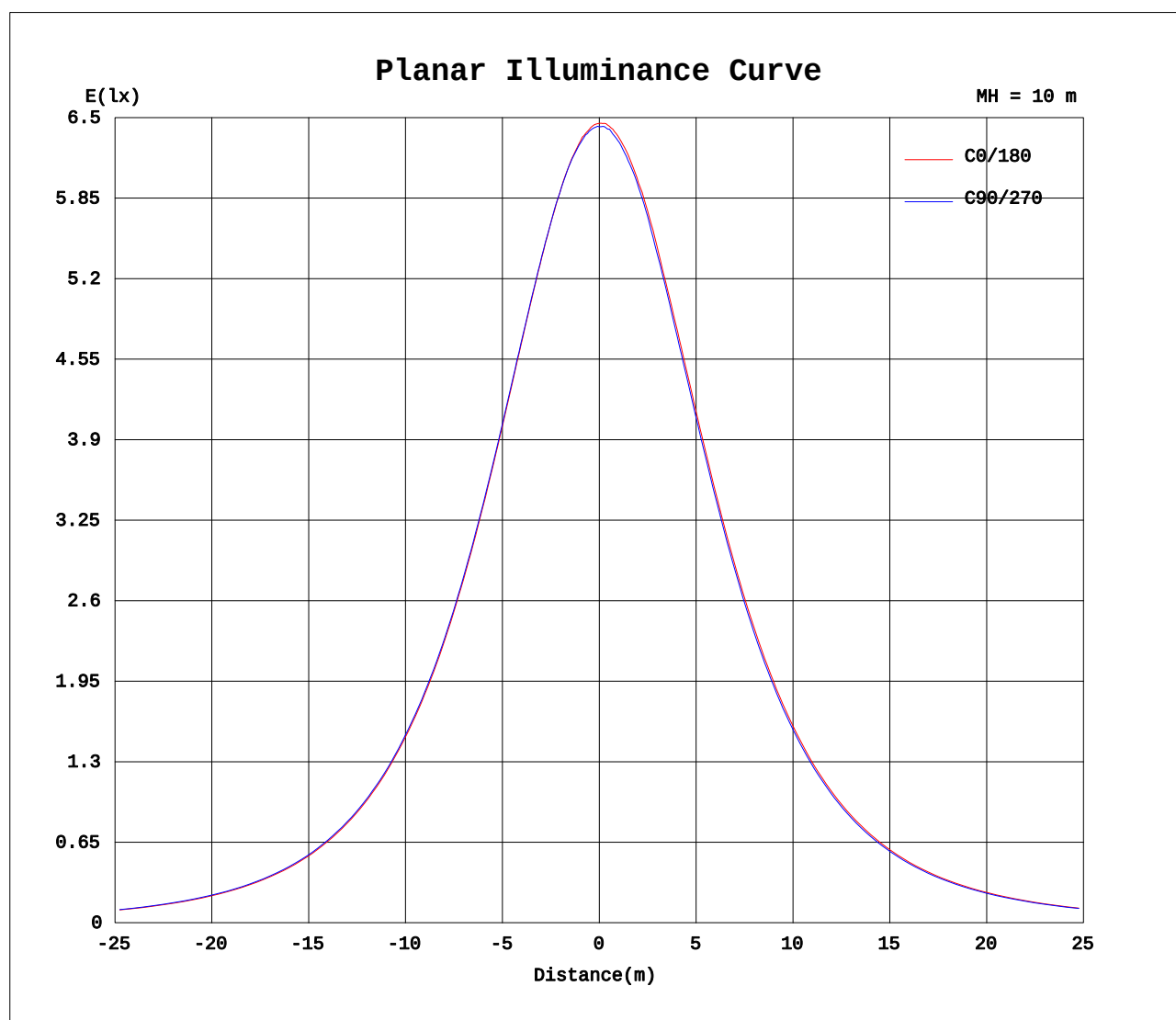
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

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:2000x1 lm		
NAME: BHD3S-TC-S-21W-4000K	TYPE:LED	WEIGHT:
SPEC.:0028920257 21W 4000K 2000lm	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	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
0	645	644	643	643	645	644	643	643										
5	642	640	639	641	644	643	641	639										
10	631	630	630	633	638	636	634	630										
15	615	613	616	620	626	624	621	616										
20	595	593	596	600	607	606	602	596										
25	569	568	571	578	585	584	578	572										
30	539	537	542	549	558	557	551	544										
35	505	503	508	517	526	525	518	510										
40	466	465	470	480	489	488	481	473										
45	425	422	429	439	449	448	441	431										
50	379	378	384	395	406	405	398	387										
55	331	330	336	347	359	358	351	340										
60	280	280	286	298	310	309	302	290										
65	229	229	235	247	259	258	252	239										
70	178	178	184	196	207	207	201	189										
75	130	129	136	147	157	158	152	139										
80	86.5	86.9	92.4	102	110	112	107	95.6										
85	52.0	52.5	56.9	64.5	71.0	72.0	68.0	58.9										
90	27.2	27.6	30.5	35.7	40.4	38.3	38.0	31.7										
95	12.0	9.87	12.5	8.04	19.3	9.47	16.2	10.9										
100	4.36	1.95	1.53	1.48	2.95	1.24	1.36	1.86										
105	1.98	1.84	1.72	1.73	1.57	1.48	1.63	1.60										
110	1.96	2.12	2.00	2.05	1.82	1.74	1.88	1.90										
115	2.28	2.38	2.31	2.34	2.06	1.97	2.15	2.16										
120	2.65	2.62	2.61	2.64	2.40	2.23	2.44	2.39										
125	2.83	2.90	2.85	2.87	2.59	2.41	2.70	2.58										
130	2.98	3.21	3.16	3.00	2.78	2.74	3.02	2.96										
135	3.36	3.48	3.51	3.19	3.11	2.91	3.39	3.08										
140	3.73	3.57	3.72	3.41	3.50	3.12	3.61	3.22										
145	3.92	3.78	3.78	3.65	3.70	3.39	3.69	3.53										
150	3.81	4.02	3.88	3.92	3.69	3.69	3.78	3.75										
155	4.07	4.07	4.12	4.04	3.91	3.79	3.98	3.85										
160	4.14	4.36	4.19	4.21	4.10	3.97	4.13	4.16										
165	4.28	4.64	4.53	4.30	4.26	4.12	4.45	4.47										
170	4.40	4.90	4.69	4.44	4.43	4.27	4.65	4.86										
175	5.00	5.22	5.03	4.69	4.90	4.59	5.05	5.03										
180	5.59	5.60	5.31	5.62	5.57	5.59	5.36	5.62										

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

γ Range: 0 - 180DEG
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Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
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