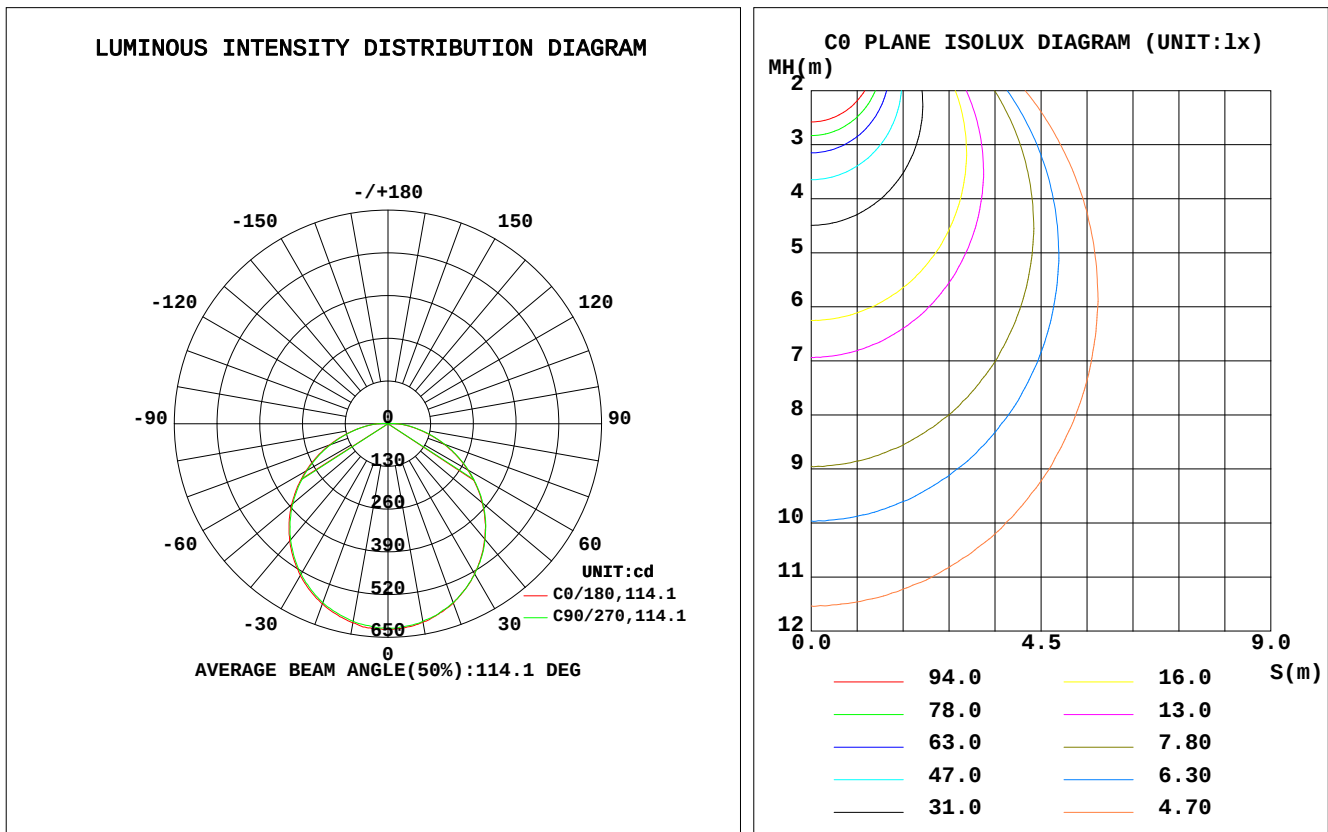


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220-240V I:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94 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)	1880	η UP, DN(C0-180)	0.8, 49.0
NOMINAL FLUX(lm)	1880	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 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	622.5	622.4	618.6	616.3	623.3	621.8	618.1	618.1	0- 5	14.87	14.87	0.79,0.79
10	612.9	610.9	611.0	609.0	615.2	613.4	610.2	609.8	5- 10	44.08	58.94	3.13,3.13
15	599.2	598.1	597.5	596.3	601.3	601.0	596.8	595.9	10- 15	71.76	130.7	6.93,6.93
20	580.9	578.0	579.3	577.2	583.6	582.2	579.6	577.7	15- 20	97.09	227.8	12.1,12.1
25	555.9	555.1	555.9	555.7	560.6	560.4	556.3	553.7	20- 25	119.2	347.0	18.4,18.4
30	526.9	527.0	528.0	527.5	533.3	531.8	528.4	525.4	25- 30	137.3	484.3	25.7,25.7
35	494.4	493.6	495.9	495.9	501.0	500.1	497.0	493.2	30- 35	150.9	635.2	33.7,33.7
40	457.7	457.5	459.8	460.3	465.3	463.7	461.0	457.8	35- 40	159.6	794.9	42.2,42.2
45	417.5	418.0	420.5	420.9	425.9	423.3	421.4	417.1	40- 45	163.1	958.0	50.8,50.8
50	374.3	375.0	376.4	377.8	382.2	380.3	378.2	374.4	45- 50	161.3	1119	59.4,59.4
55	327.9	328.8	330.4	332.5	337.2	334.9	332.4	328.1	50- 55	154.2	1273	67.5,67.5
60	279.9	281.3	282.5	284.6	288.6	285.7	284.0	280.2	55- 60	142.0	1415	75.1,75.1
65	230.4	232.5	233.2	235.7	239.3	236.5	235.2	231.1	60- 65	125.8	1541	81.8,81.8
70	181.0	183.2	184.2	186.7	189.6	187.1	185.4	182.3	65- 70	106.1	1647	87.4,87.4
75	133.0	135.2	136.5	138.4	141.2	138.8	137.7	134.5	70- 75	83.96	1731	91.8,91.8
80	89.55	92.07	92.94	94.63	96.13	95.17	94.46	91.58	75- 80	61.24	1793	95.1,95.1
85	54.31	56.28	57.06	58.18	59.36	58.72	58.44	55.88	80- 85	40.51	1833	97.2,97.2
90	27.82	29.37	30.31	30.86	31.55	31.33	31.34	29.21	85- 90	23.51	1857	98.5,98.5
95	11.00	11.06	13.41	9.520	13.41	9.151	13.84	11.02	90- 95	11.24	1868	99.1,99.1
100	2.624	1.677	1.584	1.447	3.429	1.305	1.706	1.395	95-100	2.800	1871	99.2,99.2
105	1.668	1.716	1.612	1.708	1.603	1.466	1.603	1.538	100-105	0.8481	1871	99.3,99.3
110	1.963	2.058	1.931	1.995	1.882	1.825	1.881	1.808	105-110	0.9291	1872	99.3,99.3
115	2.251	2.366	2.230	2.273	2.160	2.066	2.118	2.077	110-115	1.039	1873	99.4,99.4
120	2.434	2.678	2.633	2.459	2.295	2.189	2.433	2.350	115-120	1.123	1874	99.4,99.4
125	2.695	3.007	3.099	2.677	2.542	2.451	2.782	2.499	120-125	1.192	1876	99.5,99.5
130	3.103	3.114	3.409	2.894	2.914	2.623	3.183	2.706	125-130	1.239	1877	99.6,99.6
135	3.326	3.235	3.730	3.172	3.184	2.860	3.382	3.084	130-135	1.255	1878	99.6,99.6
140	3.448	3.430	4.150	3.358	3.265	3.120	3.763	3.236	135-140	1.238	1879	99.7,99.7
145	3.585	3.784	4.165	3.606	3.462	3.551	3.926	3.430	140-145	1.190	1881	99.8,99.8
150	3.843	3.972	3.794	3.854	3.689	3.742	3.761	3.791	145-150	1.107	1882	99.8,99.8
155	3.947	3.999	3.833	3.908	3.885	3.770	3.803	3.894	150-155	0.9706	1883	99.9,99.9
160	3.987	4.197	3.957	4.071	4.009	3.882	4.020	4.048	155-160	0.8248	1884	99.9,99.9
165	4.226	4.402	4.235	4.216	4.247	4.050	4.216	4.409	160-165	0.6826	1884	99.9,99.9
170	4.369	4.702	4.482	4.391	4.339	4.257	4.443	4.497	165-170	0.5138	1885	100,100
175	5.057	5.342	5.062	4.711	4.940	4.608	4.950	5.073	170-175	0.3301	1885	100,100
180	6.075	6.023	5.744	6.034	6.096	5.972	5.755	5.972	175-180	0.1266	1885	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 958.01 lm

%lum = 50.8%

%lamp = 50.8%

Conical surface Flux(120deg): 1415.5 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

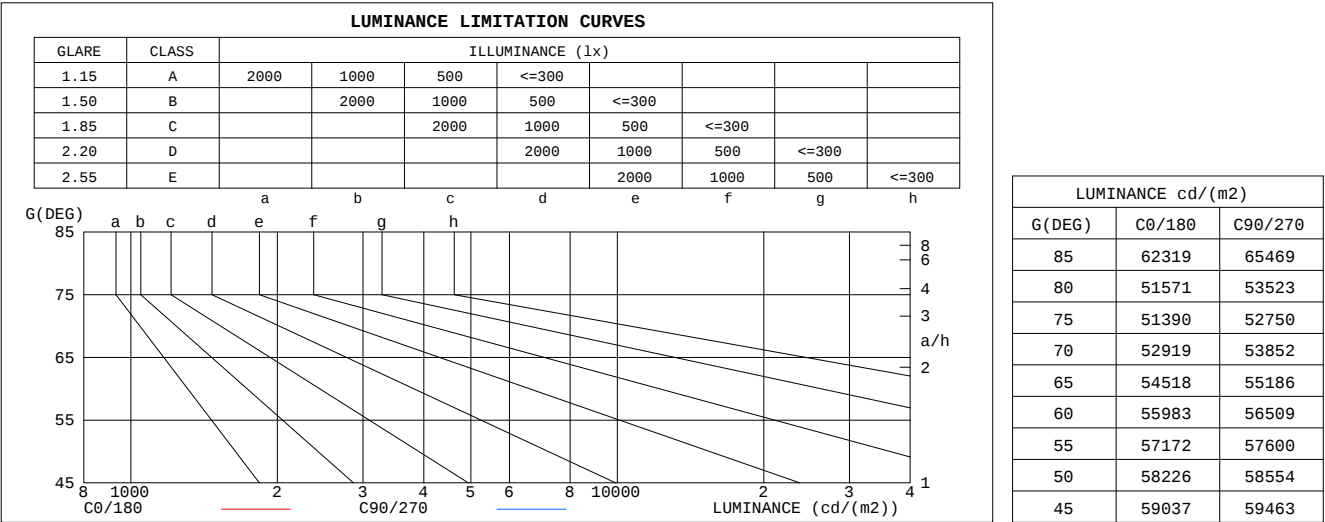
Checker: CHENXIAOFU

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:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	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

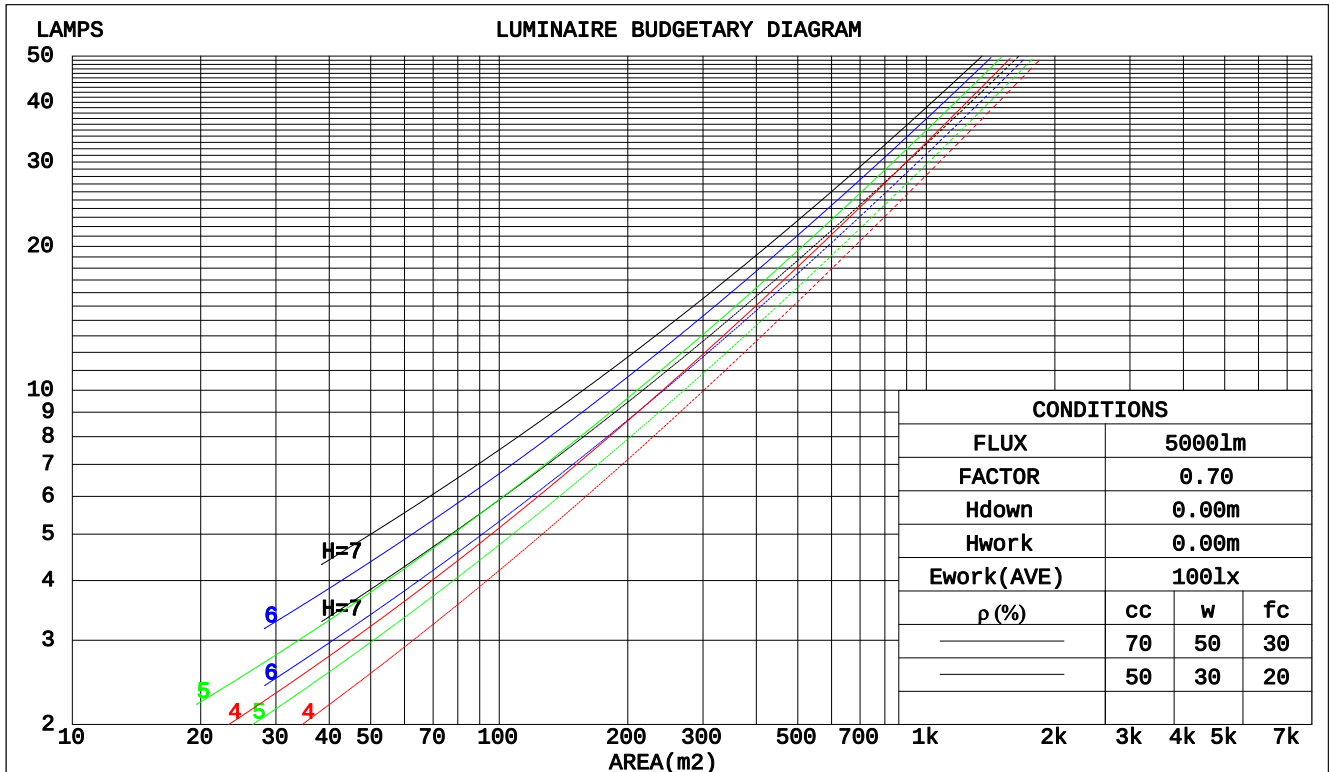
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Assessor: Ju Hongli

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220-240V I:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	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	.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	.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	.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	.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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:1880x1 lm					
NAME: BHD3S-TC-20W-3000K			TYPE:LED		WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm			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	.272	.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	.186	.144	.108	.159	.124	.094	.109	.086	.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	.140	.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	.128	.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	.136	.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:1880x1 lm										
NAME: BHD3S-TC-20W-3000K					TYPE:LED			WEIGHT:		
SPEC.:0028920256 20W 3000K 1880lm					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	26.1	24.9	26.4	26.6
3H	26.2	27.6	26.5	27.9	28.1	26.2	27.7	26.6	27.9	28.2
4H	26.9	28.2	27.2	28.5	28.8	26.9	28.3	27.3	28.6	28.9
6H	27.4	28.7	27.8	29.0	29.3	27.5	28.8	27.9	29.1	29.4
8H	27.7	28.9	28.1	29.2	29.6	27.8	29.0	28.2	29.3	29.7
12H	27.9	29.1	28.3	29.4	29.8	28.0	29.2	28.4	29.5	29.9
4H 2H	25.2	26.6	25.6	26.8	27.1	25.2	26.6	25.6	26.9	27.2
3H	27.0	28.2	27.4	28.5	28.9	27.1	28.2	27.4	28.6	28.9
4H	27.8	28.9	28.2	29.3	29.6	27.9	29.0	28.3	29.3	29.7
6H	28.6	29.5	29.0	29.9	30.3	28.6	29.6	29.1	30.0	30.4
8H	28.9	29.8	29.3	30.2	30.6	29.0	29.9	29.4	30.3	30.7
12H	29.2	30.0	29.6	30.4	30.9	29.3	30.1	29.8	30.5	31.0
8H 4H	28.2	29.1	28.6	29.5	29.9	28.2	29.1	28.7	29.5	29.9
6H	29.1	29.8	29.5	30.3	30.7	29.2	29.9	29.6	30.3	30.8
8H	29.5	30.2	30.0	30.6	31.1	29.6	30.3	30.1	30.7	31.2
12H	30.0	30.5	30.5	31.0	31.5	30.1	30.7	30.6	31.1	31.6
12H 4H	28.2	29.0	28.7	29.4	29.9	28.2	29.1	28.7	29.5	29.9
6H	29.2	29.9	29.7	30.3	30.8	29.3	29.9	29.7	30.4	30.9
8H	29.7	30.3	30.2	30.7	31.3	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, 1885 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:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	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					SHRNOM = 1.25		

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

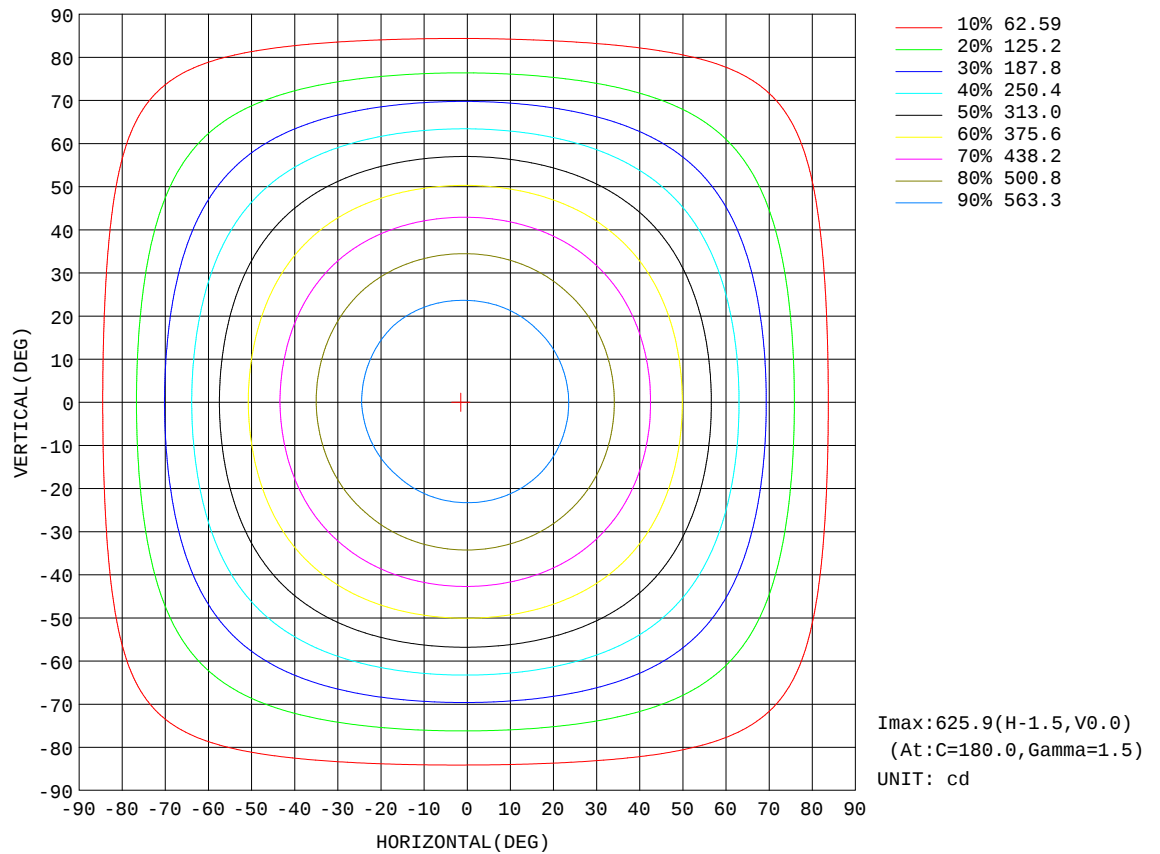
Checker: CHENXIAOFU

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:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	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

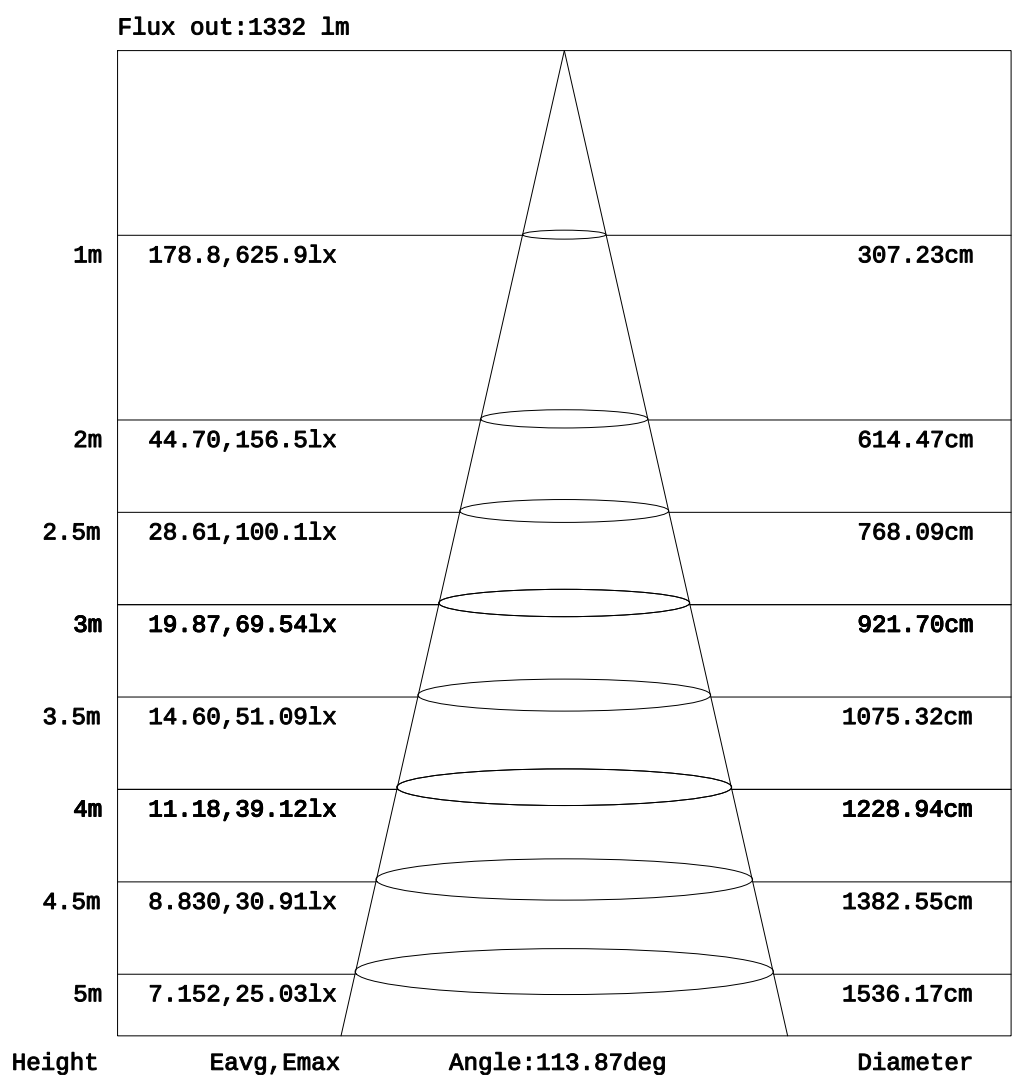
Checker: CHENXIAOFU

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:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	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

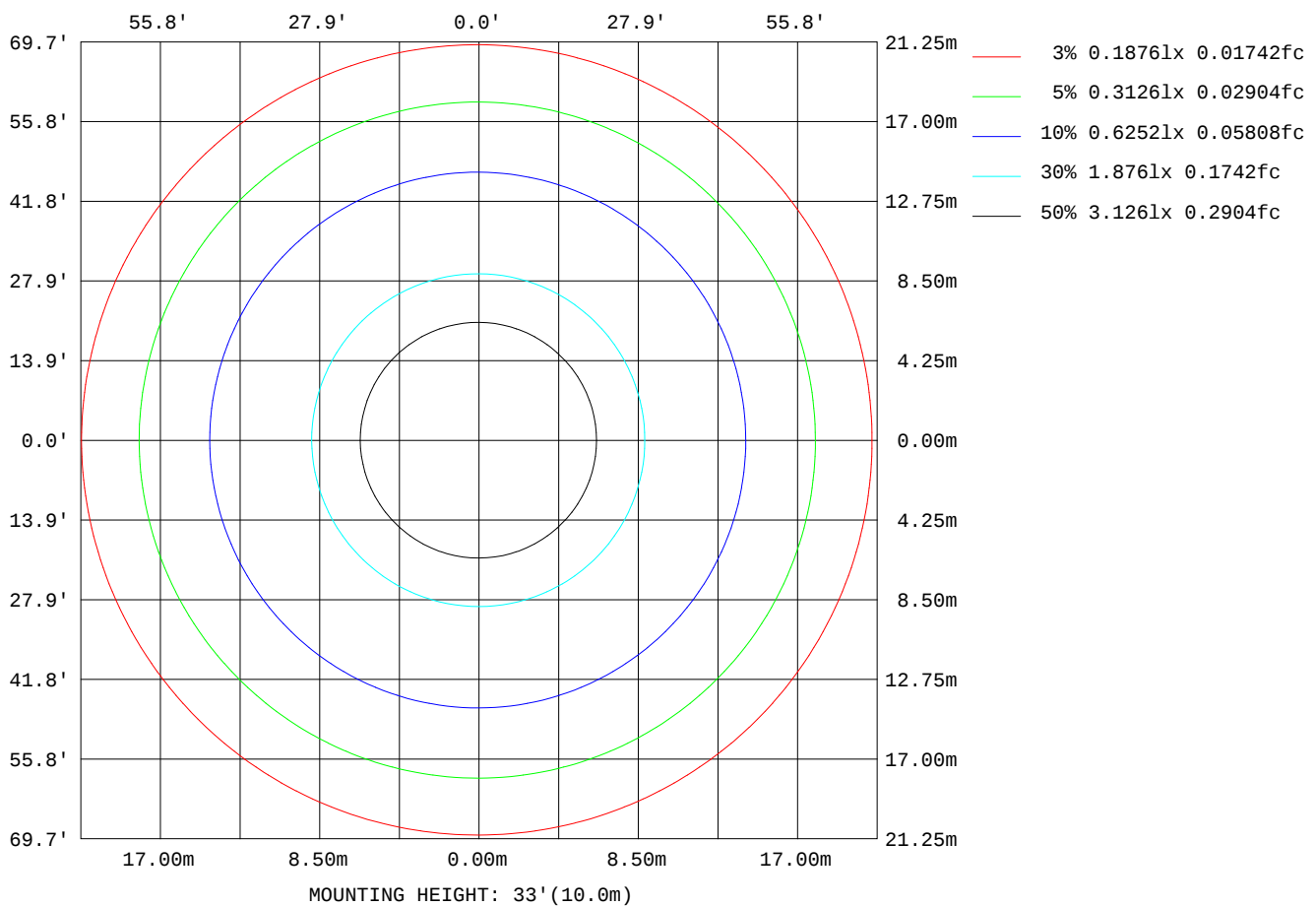
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:56%
Test Distance:11.834m [K=1.0000]
Remarks:

Checker: CHENXIAOFU

Assessor: Ju Hongli

ISOLUX DIAGRAM

Test:U:220-240V I:0.09A P:20W PF:0.9 Freq:50.00Hz Lamp Flux:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE: LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	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:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	DIM.:	SERIAL No.:250328001G
MFR.: LIT by CARDI	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	55571
L_0~180(75)av	52972
L_0~180(85)av	65211
L_90~270(65)av	55420
L_90~270(75)av	52986
L_90~270(85)av	66263
L_45(65)av	55356
L_45(75)av	52828
L_45(85)av	65704

Standard: GB/T 29293-2012

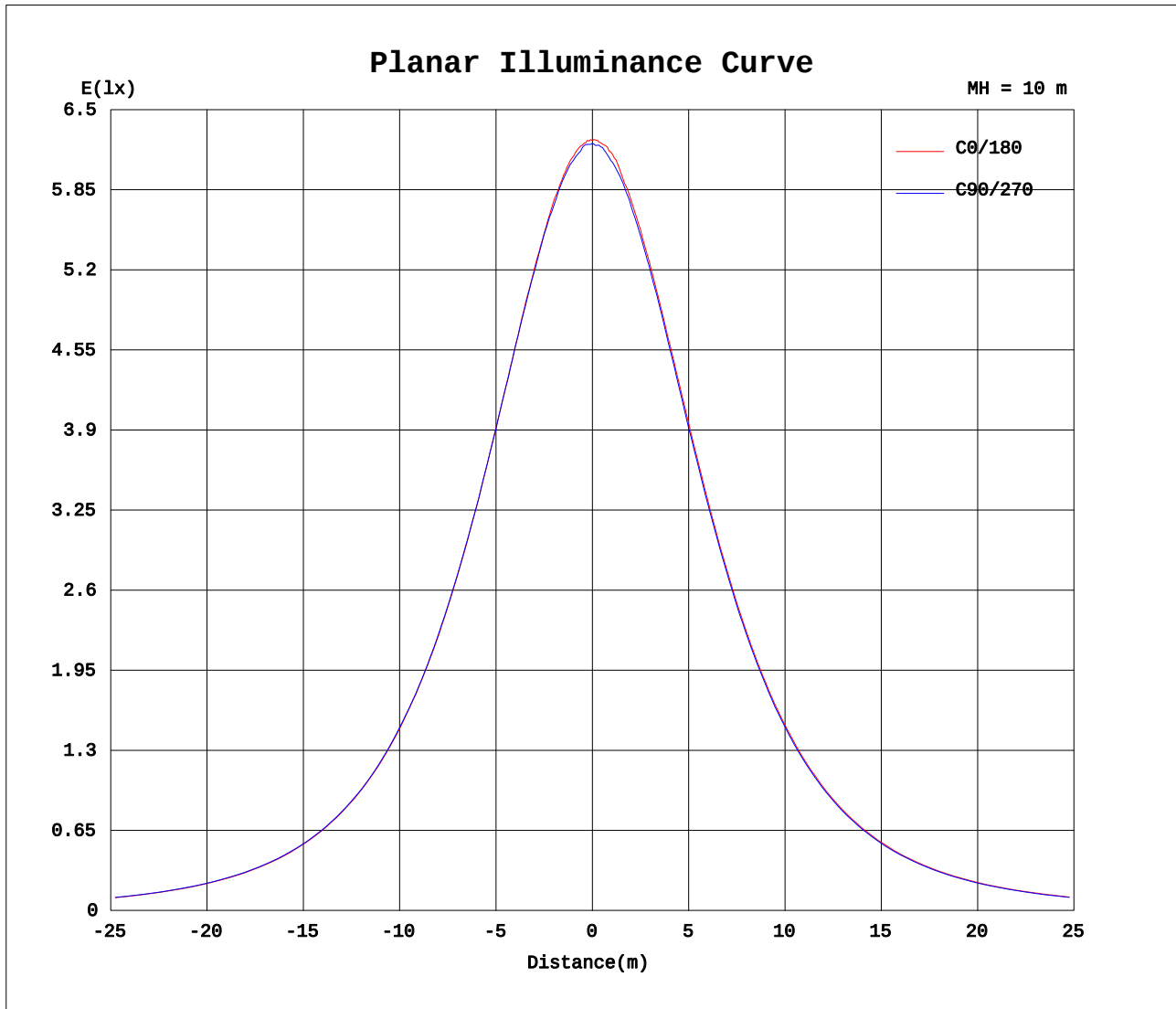
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2025-03-24

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:1880x1 lm		
NAME: BHD3S-TC-20W-3000K	TYPE:LED	WEIGHT:
SPEC.:0028920256 20W 3000K 1880lm	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	625	625	623	622	625	625	623	622										
5	622	622	619	616	623	622	618	618										
10	613	611	611	609	615	613	610	610										
15	599	598	597	596	601	601	597	596										
20	581	578	579	577	584	582	580	578										
25	556	555	556	556	561	560	556	554										
30	527	527	528	528	533	532	528	525										
35	494	494	496	496	501	500	497	493										
40	458	457	460	460	465	464	461	458										
45	417	418	420	421	426	423	421	417										
50	374	375	376	378	382	380	378	374										
55	328	329	330	333	337	335	332	328										
60	280	281	283	285	289	286	284	280										
65	230	232	233	236	239	236	235	231										
70	181	183	184	187	190	187	185	182										
75	133	135	137	138	141	139	138	134										
80	89.6	92.1	92.9	94.6	96.1	95.2	94.5	91.6										
85	54.3	56.3	57.1	58.2	59.4	58.7	58.4	55.9										
90	27.8	29.4	30.3	30.9	31.5	31.3	31.3	29.2										
95	11.0	11.1	13.4	9.52	13.4	9.15	13.8	11.0										
100	2.62	1.68	1.58	1.45	3.43	1.30	1.71	1.40										
105	1.67	1.72	1.61	1.71	1.60	1.47	1.60	1.54										
110	1.96	2.06	1.93	1.99	1.88	1.82	1.88	1.81										
115	2.25	2.37	2.23	2.27	2.16	2.07	2.12	2.08										
120	2.43	2.68	2.63	2.46	2.30	2.19	2.43	2.35										
125	2.70	3.01	3.10	2.68	2.54	2.45	2.78	2.50										
130	3.10	3.11	3.41	2.89	2.91	2.62	3.18	2.71										
135	3.33	3.23	3.73	3.17	3.18	2.86	3.38	3.08										
140	3.45	3.43	4.15	3.36	3.27	3.12	3.76	3.24										
145	3.58	3.78	4.16	3.61	3.46	3.55	3.93	3.43										
150	3.84	3.97	3.79	3.85	3.69	3.74	3.76	3.79										
155	3.95	4.00	3.83	3.91	3.89	3.77	3.80	3.89										
160	3.99	4.20	3.96	4.07	4.01	3.88	4.02	4.05										
165	4.23	4.46	4.23	4.22	4.25	4.05	4.22	4.41										
170	4.37	4.70	4.48	4.39	4.34	4.26	4.44	4.50										
175	5.06	5.34	5.06	4.71	4.94	4.61	4.95	5.07										
180	6.08	6.02	5.74	6.03	6.10	5.97	5.75	5.97										

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
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