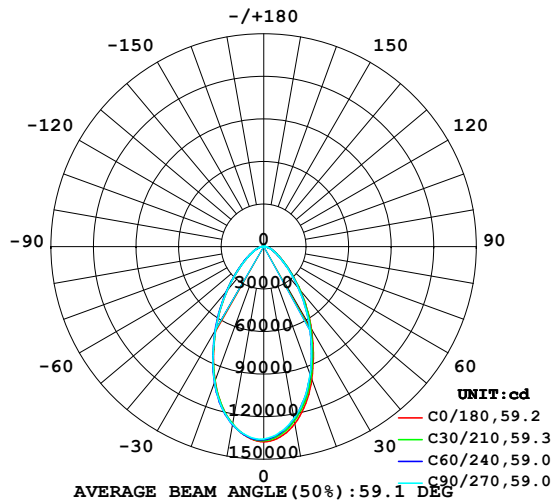


LUMINAIRE PHOTOMETRIC TEST REPORT

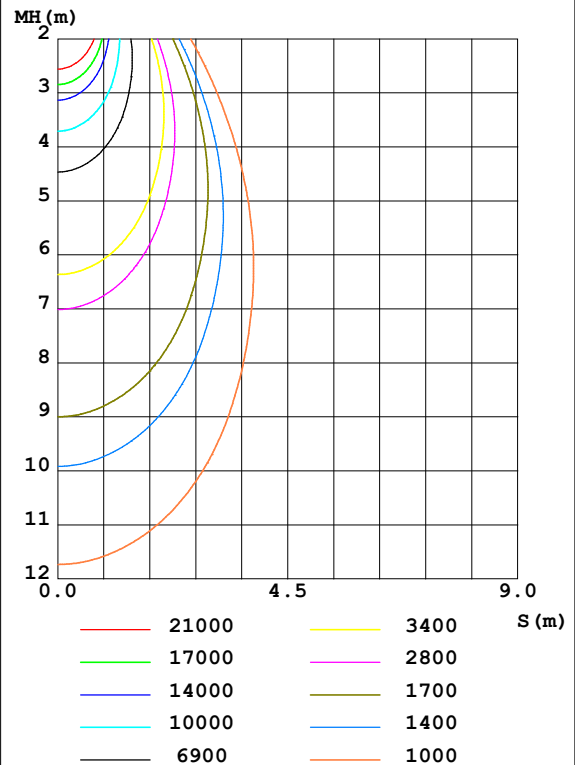
Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 164.21 lm/W			
MODEL ASD-UHB2AHV-ST-1000BK		I _{max} (cd)	137692	S/MH(C0/180)	0.87
NOMINAL POWER(W)	1000	LOR(%)	100.0	S/MH(C90/270)	0.89
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	166268	η UP,DN(C0-180)	0.6,48.5
NOMINAL FLUX(lm)	166268	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,50.2
LAMPS INSIDE	1	η up(%)	1.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	277	η down(%)	98.7	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

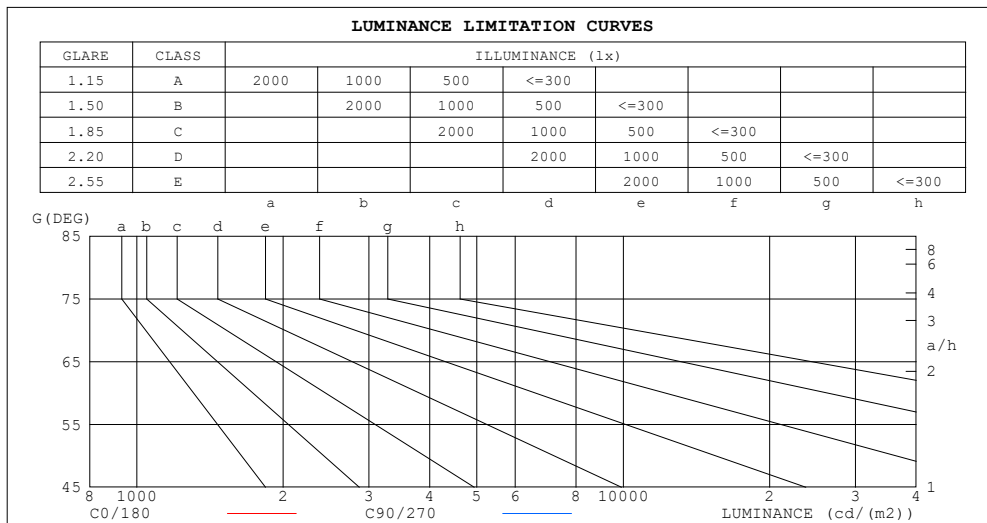
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1268	1240	1231	1233	1271	1271	1272	1261	0- 10	12465	12465	7.5,7.5
20	993.7	967.4	958.0	965.6	1005	1014	1015	1006	10- 20	31717	44183	26.6,26.6
30	674.9	656.2	647.5	653.5	676.9	686.8	684.1	682.3	20- 30	37854	82036	49.3,49.3
40	399.5	389.4	380.5	382.7	398.7	406.5	400.6	401.1	30- 40	32783	114819	69.1,69.1
50	207.7	205.3	200.8	200.8	210.5	213.9	209.0	207.6	40- 50	22403	137222	82.5,82.5
60	107.2	106.7	105.4	104.9	109.5	110.8	109.1	107.5	50- 60	13528	150750	90.7,90.7
70	57.86	57.50	57.02	56.20	59.18	59.31	59.11	58.14	60- 70	7956	158706	95.5,95.5
80	23.98	24.08	24.12	23.81	26.27	25.99	25.37	24.49	70- 80	4188	162894	98,98
90	0.8211	0.8189	0.8170	0.7765	1.315	1.296	1.288	1.309	80- 90	1172	164066	98.7,98.7
100	1.066	1.068	1.065	1.013	1.667	1.646	1.633	1.658	90-100	130.4	164197	98.8,98.8
110	1.516	1.522	1.512	1.455	2.173	2.144	2.121	2.148	100-110	166.3	164363	98.9,98.9
120	2.273	2.288	2.275	2.216	2.934	2.884	2.847	2.878	110-120	215.3	164578	99,99
130	3.422	3.452	3.442	3.377	4.059	3.972	3.919	3.954	120-130	277.7	164856	99.2,99.2
140	4.936	4.977	4.977	4.892	5.522	5.396	5.330	5.361	130-140	340.2	165196	99.4,99.4
150	6.620	6.655	6.662	6.559	7.153	7.000	6.920	6.938	140-150	374.0	165570	99.6,99.6
160	8.220	8.232	8.234	8.146	8.680	8.528	8.440	8.421	150-160	349.7	165920	99.8,99.8
170	9.553	9.538	9.538	9.473	9.865	9.747	9.674	9.616	160-170	253.7	166174	99.9,99.9
180	10.30	10.28	10.26	10.17	10.34	10.28	10.23	10.18	170-180	94.53	166268	100,100
DEG	LUMINOUS INTENSITY:X100cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	137685	131755
80	171778	172777
75	185165	181895
70	210471	207394
65	231650	229656
60	266772	262301
55	322608	315686
50	401917	388693
45	510426	487752

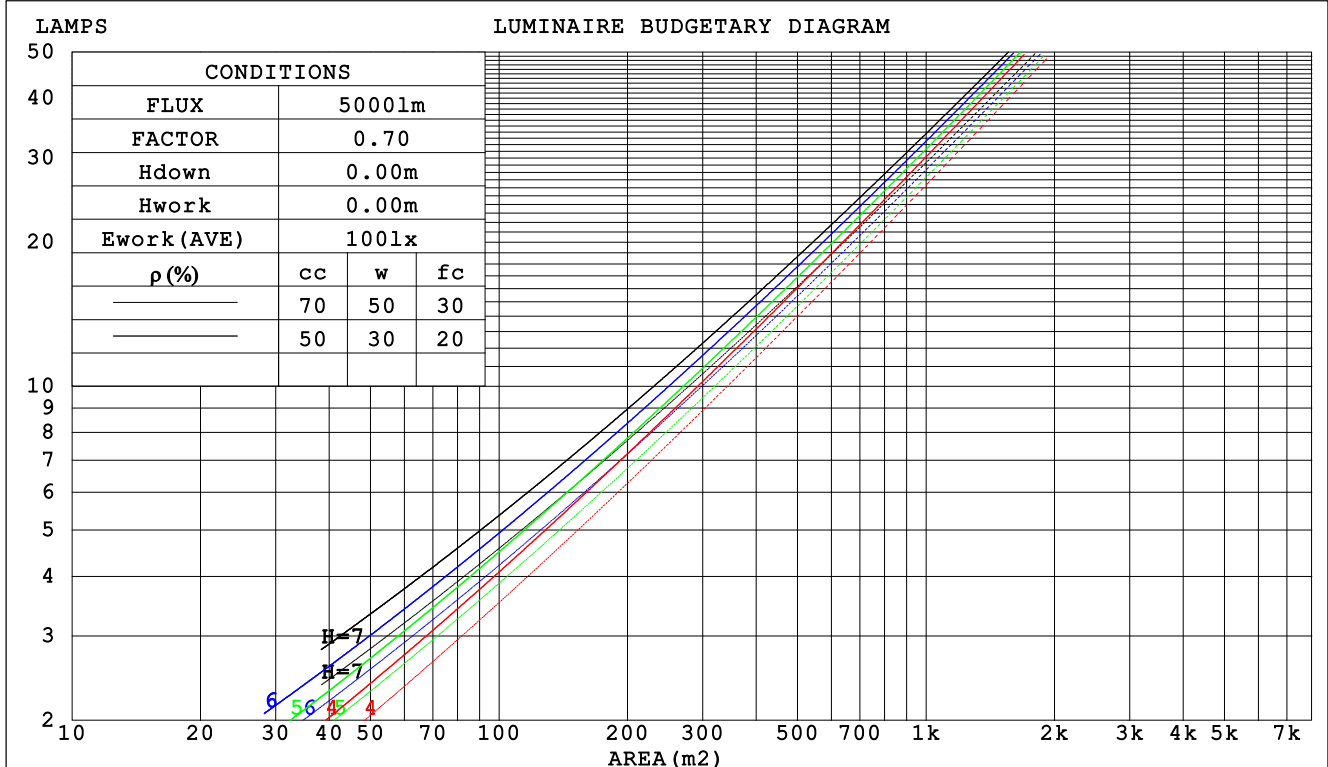
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.850m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	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	.99
1.0	1.08	1.04	1.01	1.05	1.02	.00	1.01	.99	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.85	.82	.86	.83	.81	.79
3.0	.89	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.74	.79	.75	.72	.70
4.0	.81	.74	.69	.80	.73	.68	.77	.72	.67	.75	.70	.66	.73	.69	.65	.63
5.0	.74	.67	.62	.73	.66	.61	.71	.65	.61	.69	.64	.60	.67	.63	.59	.57
6.0	.69	.61	.56	.68	.61	.56	.66	.60	.55	.64	.59	.55	.63	.58	.54	.52
7.0	.64	.56	.51	.63	.56	.51	.61	.55	.51	.60	.54	.50	.58	.54	.50	.48
8.0	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.50	.46	.55	.50	.46	.44
9.0	.55	.48	.44	.55	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.43	.41
10.0	.52	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.40	.48	.43	.40	.38



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.232	.132	.042	.225	.128	.041	.211	.121	.039	.199	.115	.037	.187	.109	.035		
2.0	.222	.121	.037	.215	.119	.037	.204	.113	.035	.193	.108	.034	.183	.103	.033		
3.0	.209	.111	.033	.203	.109	.033	.193	.105	.032	.184	.101	.031	.175	.097	.030		
4.0	.196	.102	.030	.191	.100	.030	.182	.097	.029	.174	.093	.028	.166	.090	.027		
5.0	.184	.094	.027	.180	.092	.027	.172	.090	.026	.165	.087	.026	.158	.084	.025		
6.0	.174	.087	.025	.170	.086	.025	.163	.083	.024	.156	.081	.024	.150	.079	.023		
7.0	.164	.081	.023	.160	.080	.023	.154	.078	.022	.148	.076	.022	.143	.074	.022		
8.0	.155	.076	.021	.152	.075	.021	.146	.073	.021	.141	.071	.021	.136	.070	.020		
9.0	.147	.071	.020	.144	.070	.020	.139	.069	.019	.134	.067	.019	.129	.066	.019		
10.0	.139	.067	.019	.137	.066	.018	.132	.065	.018	.128	.063	.018	.124	.062	.018		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.201	.201	.201	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.185	.167	.151	.158	.143	.130	.108	.099	.090	.062	.057	.052	.020	.018	.017	
2.0	.173	.142	.117	.148	.123	.101	.102	.085	.070	.059	.049	.041	.019	.016	.013	
3.0	.163	.124	.093	.140	.107	.081	.096	.074	.057	.055	.043	.033	.018	.014	.011	
4.0	.154	.110	.077	.132	.095	.067	.091	.066	.047	.053	.039	.028	.017	.013	.009	
5.0	.146	.099	.064	.126	.086	.056	.086	.060	.040	.050	.035	.023	.016	.011	.008	
6.0	.139	.090	.055	.120	.078	.048	.082	.055	.034	.048	.032	.020	.015	.011	.007	
7.0	.133	.083	.048	.114	.072	.042	.079	.051	.030	.046	.030	.018	.015	.010	.006	
8.0	.127	.077	.043	.109	.067	.038	.075	.047	.027	.044	.028	.016	.014	.009	.005	
9.0	.121	.072	.039	.104	.063	.034	.072	.044	.024	.042	.026	.014	.014	.009	.005	
10.0	.116	.068	.036	.100	.059	.031	.070	.041	.022	.041	.024	.013	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz										
Lamp Flux:166268x1 lm										
NAME: ASD-UHB2AHV-ST-1000BK					TYPE: ST 60D			WEIGHT:		
SPEC.: 1000W 5000K					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					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	29.6	30.9	30.0	31.2	31.6	29.3	30.6	29.7	30.9	31.3
3H	30.8	32.0	31.2	32.3	32.7	30.6	31.7	31.0	32.1	32.5
4H	31.3	32.3	31.7	32.7	33.1	31.0	32.1	31.5	32.5	32.9
6H	31.6	32.6	32.1	33.0	33.4	31.4	32.4	31.8	32.8	33.2
8H	31.7	32.7	32.2	33.1	33.5	31.5	32.4	32.0	32.8	33.3
12H	31.8	32.7	32.2	33.1	33.5	31.6	32.4	32.0	32.9	33.3
4H 2H	30.0	31.0	30.4	31.4	31.8	29.7	30.8	30.1	31.1	31.6
3H	31.4	32.3	31.9	32.7	33.2	31.2	32.1	31.6	32.5	32.9
4H	32.0	32.8	32.4	33.2	33.7	31.7	32.5	32.2	33.0	33.4
6H	32.4	33.1	32.9	33.6	34.1	32.2	32.9	32.7	33.4	33.9
8H	32.6	33.2	33.1	33.7	34.2	32.4	33.0	32.9	33.5	34.0
12H	32.7	33.3	33.2	33.8	34.3	32.5	33.0	33.0	33.5	34.0
8H 4H	32.2	32.8	32.6	33.3	33.8	31.9	32.6	32.4	33.0	33.5
6H	32.7	33.3	33.3	33.8	34.3	32.5	33.0	33.0	33.6	34.1
8H	33.0	33.4	33.5	34.0	34.5	32.7	33.2	33.3	33.7	34.3
12H	33.1	33.5	33.7	34.1	34.7	32.9	33.3	33.4	33.8	34.4
12H 4H	32.2	32.7	32.7	33.2	33.7	31.9	32.5	32.4	33.0	33.5
6H	32.8	33.2	33.3	33.7	34.3	32.6	33.0	33.1	33.5	34.1
8H	33.0	33.4	33.6	34.0	34.6	32.8	33.2	33.4	33.7	34.3
CIE190: 2010										

CIE190: 2010
Area: 0.080384 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

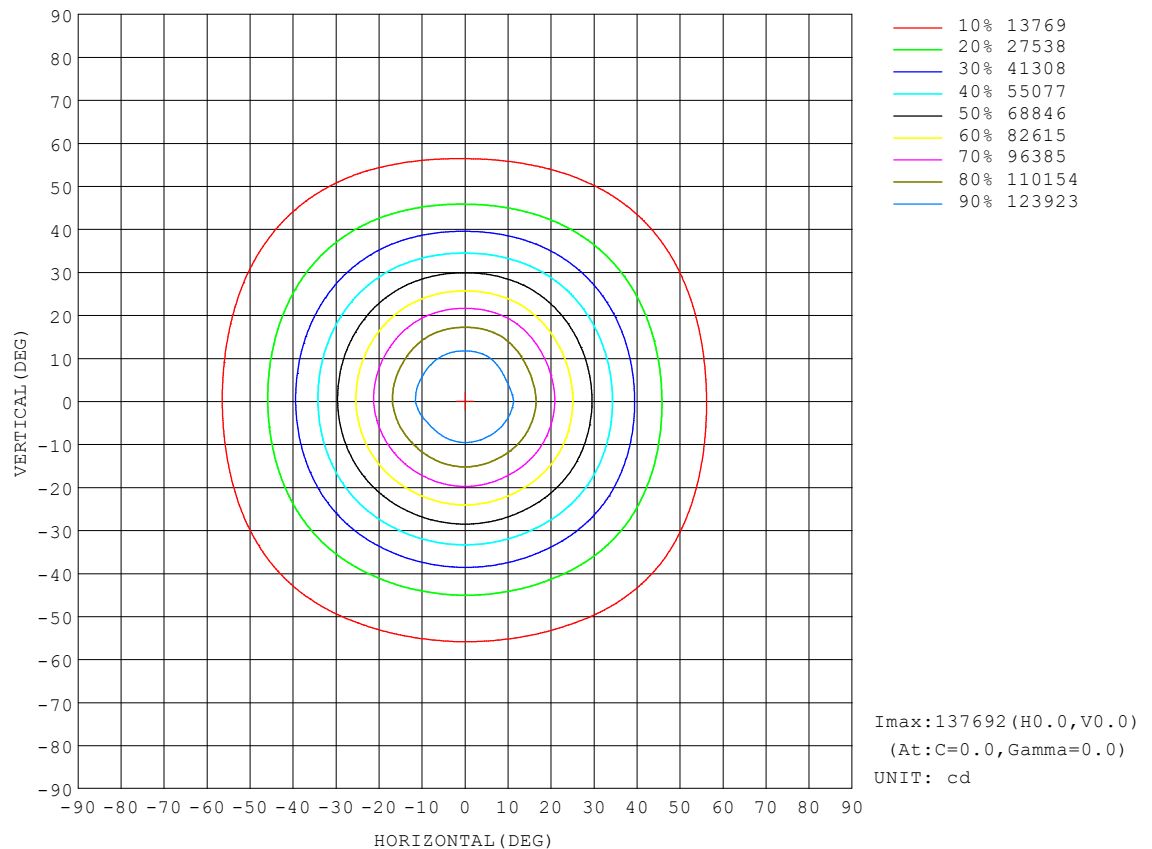
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	58	72	63	58	70	63	58	53
0.80	81	73	67	80	72	67	79	71	67	61
1.00	88	80	74	87	79	74	85	80	74	68
1.25	94	86	81	92	85	80	90	84	79	74
1.50	97	90	85	96	89	85	93	88	84	78
2.00	102	96	91	100	95	91	97	93	89	82
2.50	105	99	95	103	98	94	99	95	92	85
3.00	107	102	98	105	101	97	101	98	95	87
4.00	110	106	103	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	100	92
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-5-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.850m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

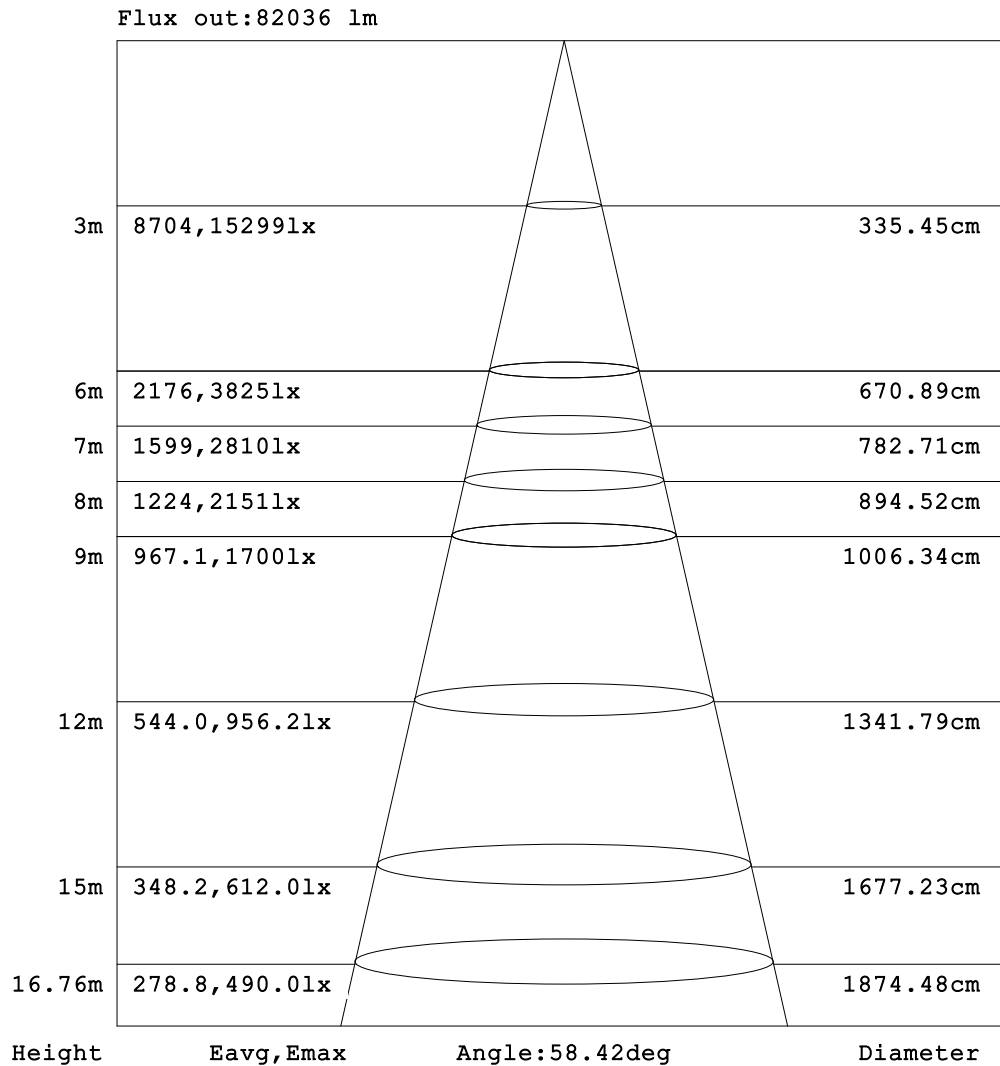


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

AAI Figure

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



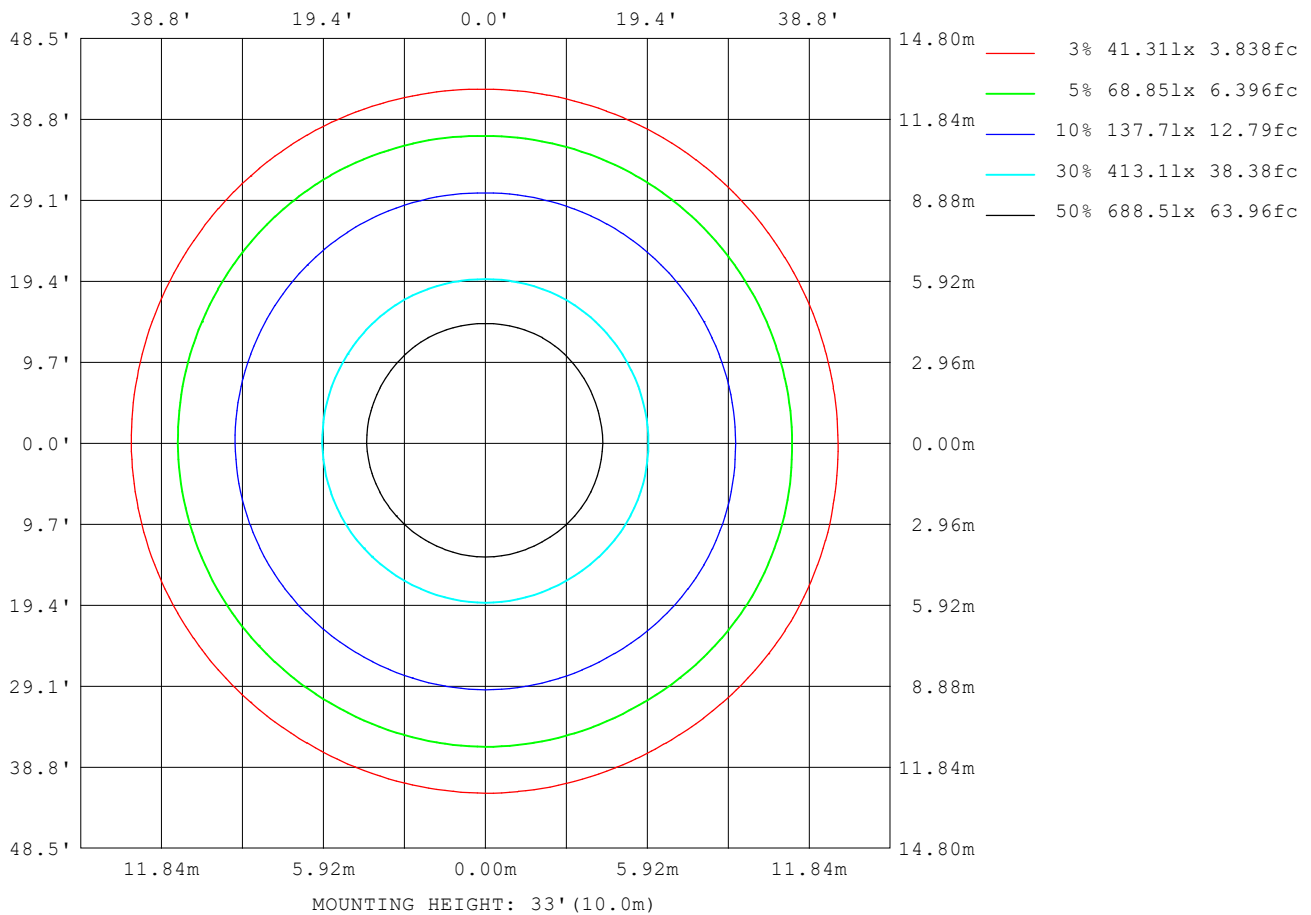
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

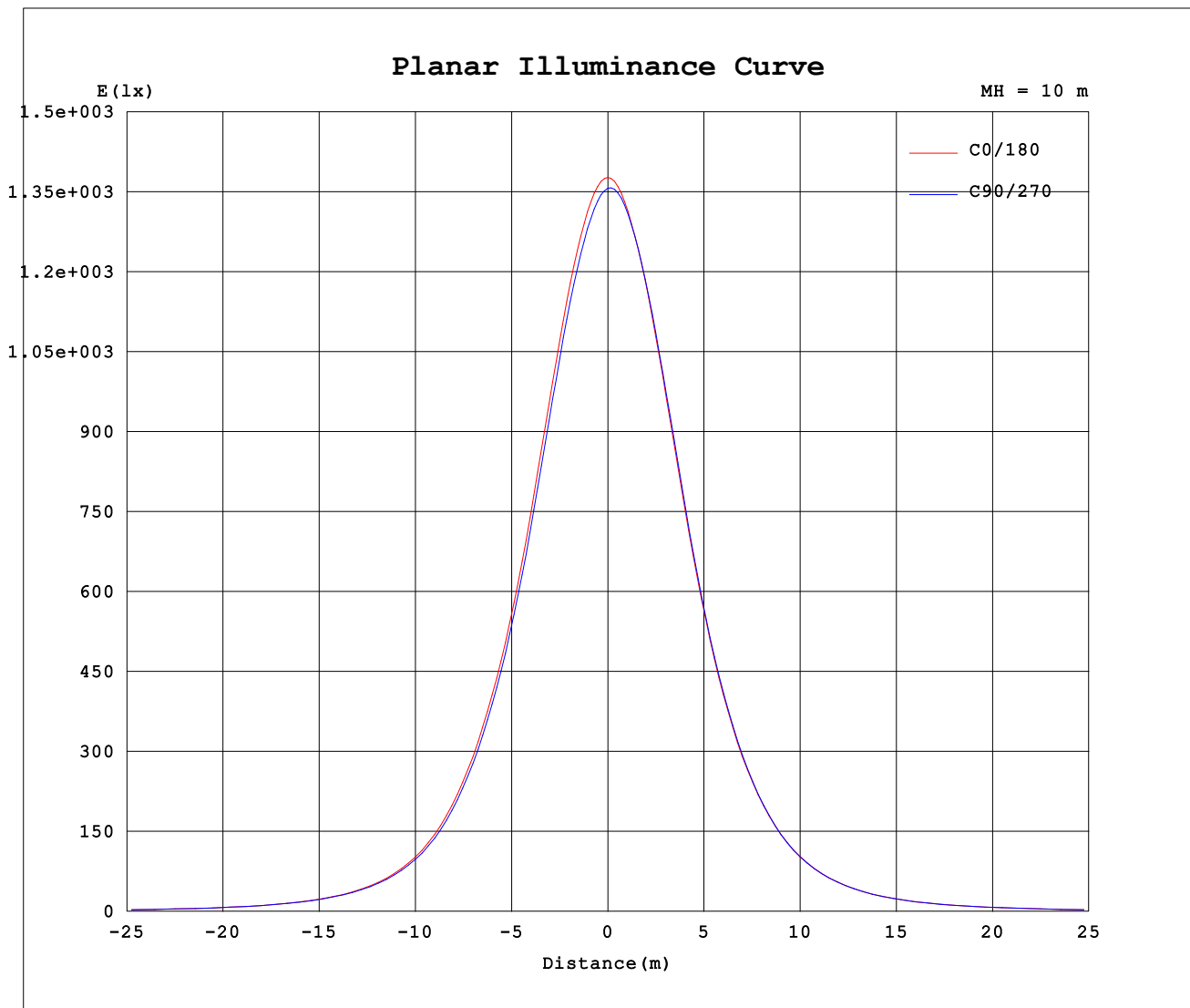
AvgL	cd/m2
L_0~180 (65) av	234519
L_0~180 (75) av	188891
L_0~180 (85) av	148503
L_90~270 (65) av	233696
L_90~270 (75) av	186058
L_90~270 (85) av	142112
L_45 (65) av	232864
L_45 (75) av	185678
L_45 (85) av	143505

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-5-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.850m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: X100cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1377	1373	1369	1365	1362	1359	1357	1354	1352	1348	1349	1363	1377	1375	1369	1365	1362	1359	1357
5	1347	1339	1332	1326	1321	1318	1315	1314	1313	1312	1315	1331	1347	1348	1344	1344	1345	1343	1340
10	1268	1257	1248	1240	1233	1231	1231	1231	1231	1233	1239	1255	1271	1271	1268	1271	1274	1274	1272
15	1146	1137	1128	1118	1110	1108	1109	1108	1109	1114	1123	1141	1156	1157	1155	1160	1165	1165	1162
20	994	986	978	967	959	957	958	957	959	966	976	991	1005	1007	1008	1014	1019	1018	1015
25	829	825	818	807	798	797	799	797	798	807	818	829	839	842	844	847	850	850	848
30	675	672	667	656	647	646	648	646	647	654	662	670	677	681	683	687	689	687	684
35	530	530	526	516	507	506	507	505	505	511	518	523	528	532	536	539	541	538	534
40	400	401	398	389	381	380	380	378	378	383	389	395	399	401	403	407	408	405	401
45	290	293	291	285	278	277	277	275	274	278	283	288	291	294	295	297	298	294	290
50	208	210	210	205	201	200	201	199	198	201	204	208	211	212	212	214	215	212	209
55	149	151	151	148	145	145	146	144	143	145	147	150	152	152	152	154	155	153	150
60	107	108	108	107	105	105	105	105	104	105	106	108	109	109	109	111	112	111	109
65	78.7	79.3	79.3	78.6	77.8	77.9	78.0	77.3	76.8	77.2	78.1	79.5	80.6	80.6	80.6	81.7	82.6	81.8	80.8
70	57.9	58.2	58.1	57.5	56.9	56.9	57.0	56.4	55.8	56.2	57.0	58.2	59.2	58.8	58.3	59.3	60.2	59.8	59.1
75	38.5	38.7	38.7	38.1	37.5	37.7	37.8	37.4	37.0	37.4	38.2	39.2	40.1	39.8	39.4	39.9	40.5	40.1	39.6
80	24.0	24.4	24.5	24.1	23.6	23.9	24.1	23.7	23.4	23.8	24.5	25.5	26.3	26.0	25.6	26.0	26.4	25.9	25.4
85	9.65	9.81	9.75	9.34	8.95	9.06	9.23	9.00	8.85	9.20	9.76	10.5	11.2	11.0	10.7	11.1	11.5	11.1	10.7
90	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.81	0.78	0.80	1.06	1.31	1.34	1.31	1.30	1.29	1.29	1.29
95	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.87	0.91	1.19	1.48	1.51	1.47	1.46	1.45	1.45	1.45
100	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.06	1.06	1.01	1.05	1.36	1.67	1.70	1.66	1.65	1.63	1.63	1.63
105	1.26	1.26	1.26	1.27	1.27	1.26	1.26	1.26	1.25	1.20	1.24	1.57	1.90	1.94	1.89	1.87	1.86	1.86	1.86
110	1.52	1.52	1.52	1.52	1.53	1.52	1.51	1.51	1.51	1.46	1.49	1.83	2.17	2.21	2.16	2.14	2.13	2.12	2.12
115	1.85	1.85	1.85	1.86	1.86	1.86	1.85	1.85	1.85	1.79	1.82	2.16	2.51	2.55	2.50	2.48	2.45	2.45	2.45
120	2.27	2.27	2.28	2.29	2.30	2.29	2.27	2.28	2.28	2.22	2.24	2.59	2.93	2.97	2.92	2.88	2.85	2.85	2.85
125	2.80	2.80	2.80	2.82	2.83	2.82	2.81	2.81	2.81	2.74	2.76	3.11	3.45	3.48	3.42	3.38	3.35	3.34	3.34
130	3.42	3.43	3.43	3.45	3.47	3.46	3.44	3.45	3.45	3.38	3.39	3.72	4.06	4.08	4.02	3.97	3.93	3.92	3.92
135	4.14	4.15	4.16	4.18	4.20	4.19	4.17	4.18	4.18	4.10	4.11	4.43	4.76	4.77	4.70	4.65	4.61	4.59	4.59
140	4.94	4.94	4.95	4.98	5.00	4.99	4.98	4.98	4.97	4.89	4.89	5.21	5.52	5.53	5.45	5.40	5.35	5.34	5.33
145	5.77	5.77	5.79	5.81	5.83	5.83	5.82	5.81	5.80	5.72	5.72	6.03	6.33	6.33	6.24	6.19	6.15	6.13	6.11
150	6.62	6.63	6.64	6.66	6.67	6.67	6.66	6.65	6.64	6.56	6.56	6.86	7.15	7.14	7.05	7.00	6.96	6.93	6.92
155	7.45	7.46	7.47	7.48	7.48	7.48	7.48	7.47	7.46	7.38	7.38	7.67	7.95	7.93	7.84	7.79	7.75	7.72	7.70
160	8.22	8.23	8.23	8.23	8.23	8.23	8.23	8.23	8.21	8.15	8.15	8.42	8.68	8.66	8.57	8.53	8.49	8.46	8.44
165	8.92	8.92	8.92	8.92	8.92	8.92	8.92	8.91	8.90	8.84	8.85	9.09	9.33	9.31	9.22	9.19	9.15	9.13	9.10
170	9.55	9.55	9.54	9.54	9.53	9.54	9.54	9.53	9.52	9.47	9.48	9.68	9.86	9.85	9.78	9.75	9.72	9.70	9.67
175	10.0	10.0	10.0	10.0	10.00	10.0	10.00	9.98	9.97	9.94	9.95	10.1	10.2	10.2	10.1	10.1	10.1	10.1	10.1
180	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:284.21V I:3.5750A P:1012.5W PF:0.9965 Freq:50.01Hz Lamp Flux:166268x1 lm		
NAME: ASD-UHB2AHV-ST-1000BK	TYPE: ST 60D	WEIGHT:
SPEC.: 1000W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

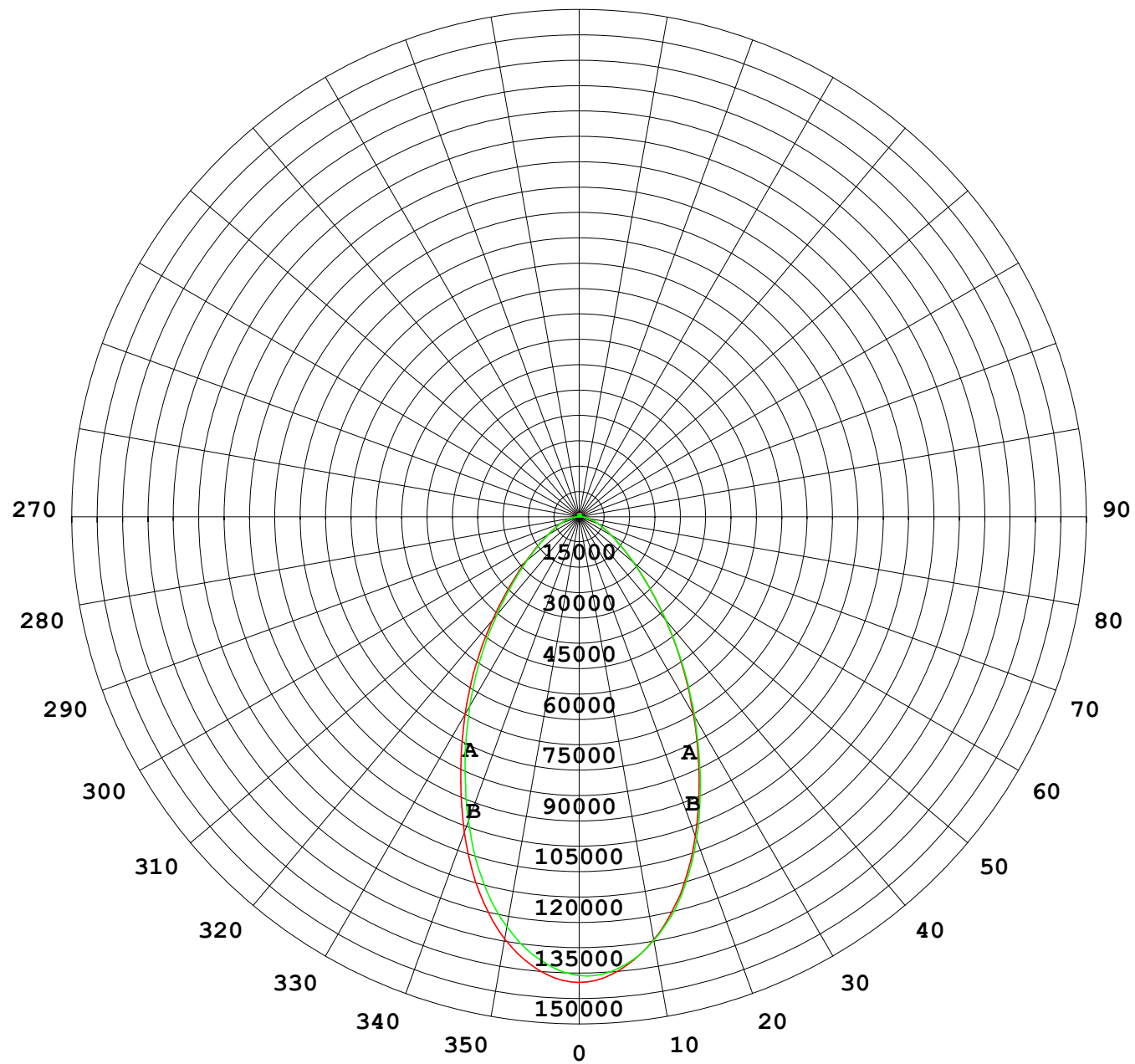
UNIT: X100cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1354	1352	1348	1349	1359														
5	1338	1335	1329	1325	1332														
10	1272	1270	1261	1254	1257														
15	1164	1163	1152	1141	1140														
20	1017	1017	1006	994	991														
25	851	851	841	832	828														
30	686	688	682	676	674														
35	536	538	535	532	530														
40	402	403	401	399	399														
45	290	291	290	288	289														
50	209	209	208	207	207														
55	150	150	149	148	148														
60	109	109	108	107	107														
65	80.4	80.1	79.0	78.0	78.0														
70	59.0	58.9	58.1	57.4	57.4														
75	39.6	39.7	39.1	38.5	38.4														
80	25.2	25.1	24.5	24.0	23.8														
85	10.8	10.9	10.5	10.1	9.86														
90	1.28	1.28	1.31	1.28	1.11														
95	1.44	1.44	1.47	1.44	1.25														
100	1.63	1.62	1.66	1.63	1.42														
105	1.85	1.84	1.88	1.85	1.63														
110	2.11	2.11	2.15	2.12	1.89														
115	2.44	2.43	2.48	2.45	2.23														
120	2.84	2.83	2.88	2.86	2.64														
125	3.32	3.32	3.37	3.35	3.15														
130	3.91	3.90	3.95	3.95	3.75														
135	4.57	4.57	4.62	4.62	4.45														
140	5.31	5.31	5.36	5.37	5.21														
145	6.10	6.09	6.14	6.15	6.01														
150	6.90	6.89	6.94	6.95	6.83														
155	7.68	7.67	7.70	7.71	7.62														
160	8.41	8.40	8.42	8.42	8.35														
165	9.08	9.05	9.06	9.06	9.01														
170	9.65	9.63	9.62	9.60	9.58														
175	10.0	10.0	10.00	9.98	9.99														
180	10.2	10.2	10.2	10.1	10.2														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-5-25

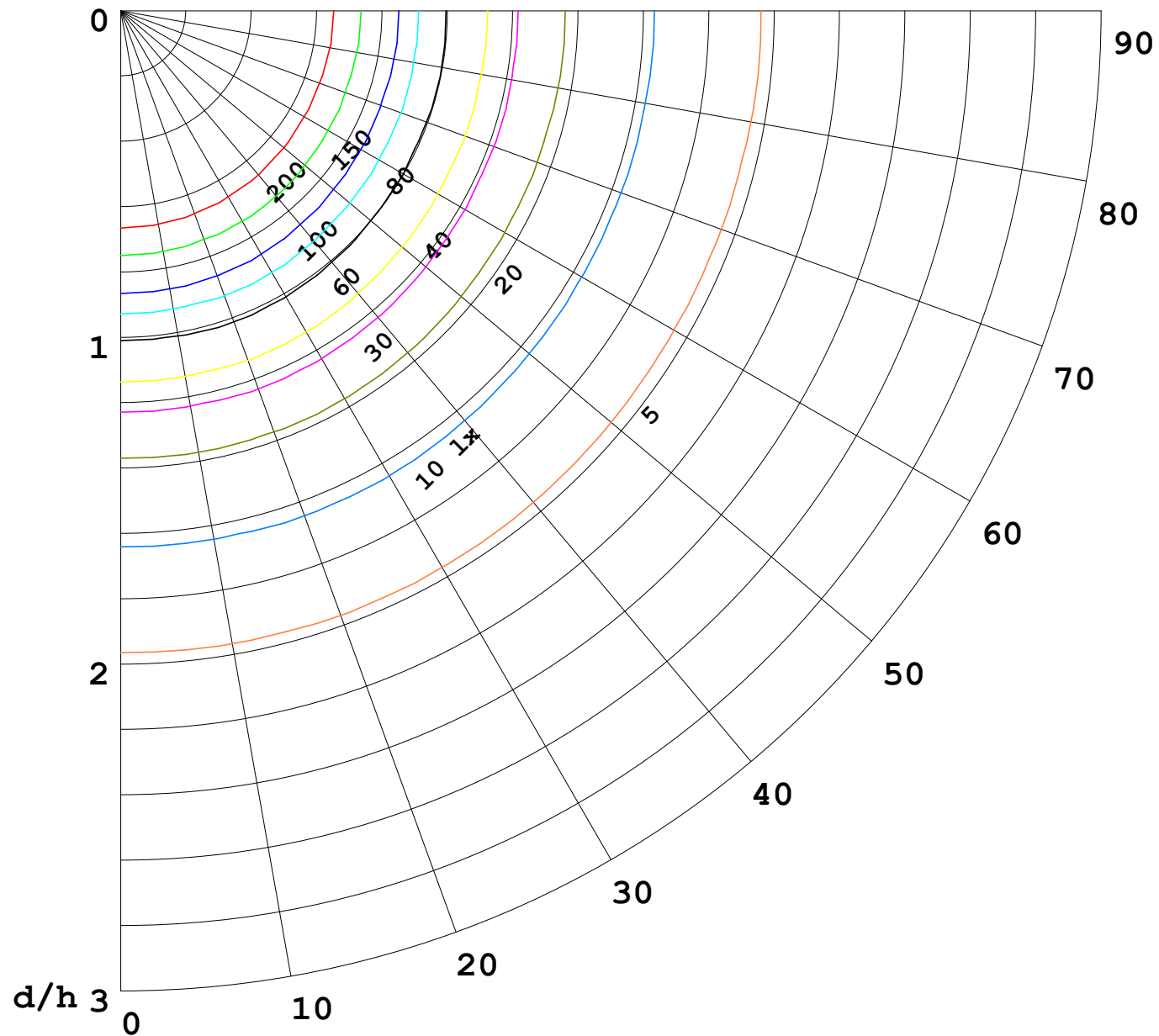
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

