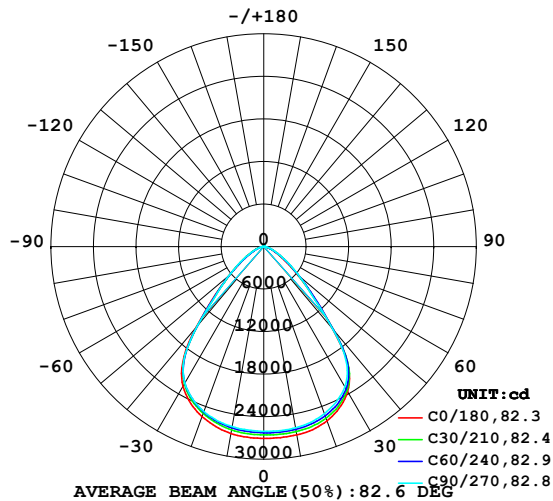


LUMINAIRE PHOTOMETRIC TEST REPORT

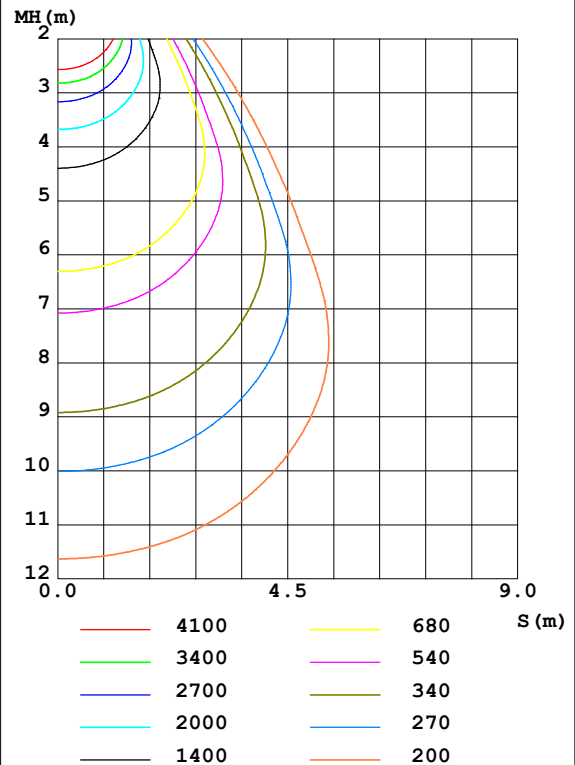
Test:U:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.67 lm/W			
MODEL	ASD-UHB2A-ST-300BK	I _{max} (cd)	27051	S/MH(C0/180)	1.18
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	47788	η UP,DN(C0-180)	0.5,50.1
NOMINAL FLUX(lm)	47787.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,48.8
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	98.9	CIBSE SHR MAX	1.15

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:2025-4-15

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:

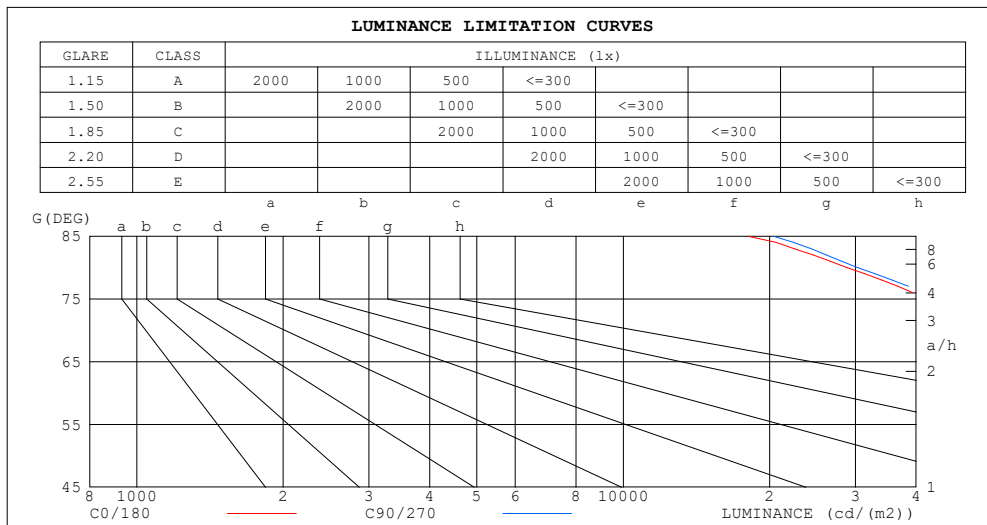
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2696	2632	2595	2574	2677	2606	2579	2572	0- 10	2495	2495	5.22,5.22
20	2615	2561	2508	2470	2550	2485	2474	2479	10- 20	7256	9751	20.4,20.4
30	2365	2349	2287	2231	2278	2220	2227	2238	20- 30	11084	20835	43.6,43.6
40	1506	1559	1514	1490	1478	1428	1447	1429	30- 40	12223	33059	69.2,69.2
50	640.6	670.1	664.0	634.0	644.3	621.6	644.4	600.3	40- 50	7578	40636	85,85
60	263.8	304.8	299.1	291.3	272.5	276.8	287.1	271.8	50- 60	3918	44554	93.2,93.2
70	112.2	123.1	121.5	117.3	115.4	112.8	115.0	110.5	60- 70	1855	46409	97.1,97.1
80	29.53	32.23	31.06	31.66	34.36	30.86	30.61	28.21	70- 80	718.5	47128	98.6,98.6
90	0.5146	0.4918	0.5014	0.5570	1.881	1.789	1.748	1.720	80- 90	131.6	47259	98.9,98.9
100	1.194	1.139	1.148	1.101	2.636	2.650	2.602	2.556	90-100	15.83	47275	98.9,98.9
110	2.661	2.555	2.558	2.495	4.276	4.318	4.212	4.164	100-110	26.83	47302	99,99
120	5.463	5.291	5.306	5.250	7.305	7.379	7.180	7.092	110-120	46.64	47348	99.1,99.1
130	9.309	9.059	9.067	9.043	11.40	11.44	11.15	11.00	120-130	72.86	47421	99.2,99.2
140	13.32	12.99	12.98	12.97	15.48	15.32	15.05	14.77	130-140	93.63	47515	99.4,99.4
150	16.93	16.57	16.45	16.42	18.80	18.47	18.20	17.87	140-150	98.72	47614	99.6,99.6
160	20.59	20.20	20.00	19.97	21.92	21.47	21.16	20.83	150-160	87.40	47701	99.8,99.8
170	24.29	23.86	23.55	23.49	25.10	24.45	24.19	23.84	160-170	63.06	47764	100,100
180	26.16	25.72	25.33	25.13	26.37	25.61	25.38	25.10	170-180	23.58	47788	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18081	20374
80	28850	30354
75	41852	44422
70	55646	60296
65	69378	77746
60	89510	101512
55	121039	133684
50	169093	175292
45	237872	229302

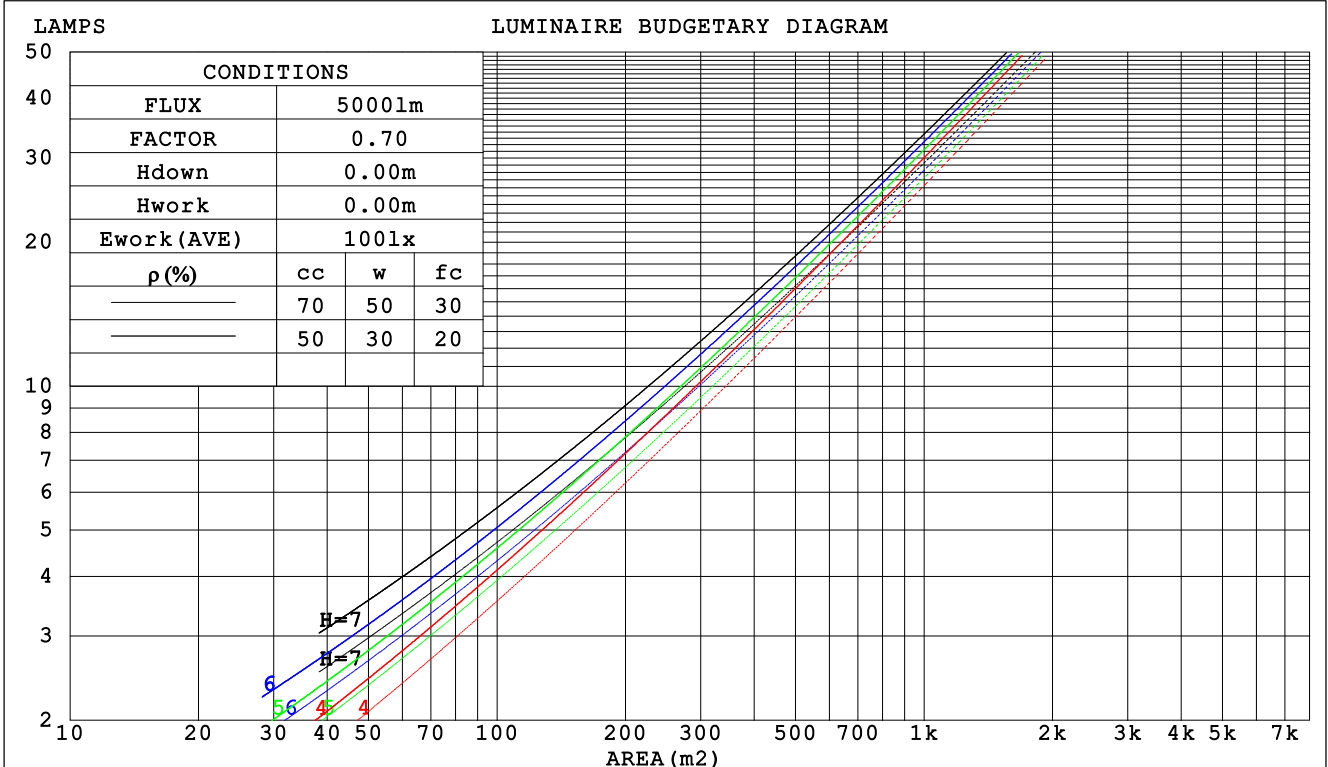
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{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	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.98	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.83	.81	.79
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.73	.79	.75	.72	.70
4.0	.80	.73	.68	.79	.73	.68	.77	.71	.67	.74	.70	.66	.72	.68	.65	.63
5.0	.73	.66	.61	.72	.65	.60	.70	.64	.60	.68	.63	.59	.67	.62	.58	.56
6.0	.67	.60	.54	.66	.59	.54	.65	.58	.54	.63	.57	.53	.61	.57	.53	.51
7.0	.62	.54	.49	.61	.54	.49	.60	.53	.49	.58	.53	.48	.57	.52	.48	.46
8.0	.57	.50	.45	.57	.50	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
9.0	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.44	.40	.49	.44	.40	.39
10.0	.49	.42	.38	.49	.42	.38	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	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	.227	.129	.041	.220	.126	.040	.207	.119	.038	.194	.112	.036	.183	.106	.034		
2.0	.220	.121	.037	.214	.118	.036	.203	.113	.035	.192	.108	.034	.182	.103	.032		
3.0	.210	.112	.033	.204	.109	.033	.194	.105	.032	.185	.101	.031	.176	.098	.030		
4.0	.199	.103	.030	.194	.102	.030	.185	.098	.029	.177	.095	.029	.169	.092	.028		
5.0	.188	.096	.028	.184	.094	.027	.176	.092	.027	.168	.089	.026	.162	.086	.026		
6.0	.178	.089	.026	.174	.088	.025	.167	.086	.025	.160	.083	.024	.154	.081	.024		
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.153	.078	.023	.147	.076	.022		
8.0	.160	.078	.022	.157	.077	.022	.151	.075	.022	.146	.074	.021	.140	.072	.021		
9.0	.152	.073	.020	.149	.073	.020	.144	.071	.020	.139	.070	.020	.134	.068	.020		
10.0	.144	.069	.019	.142	.068	.019	.137	.067	.019	.133	.066	.019	.128	.065	.019		

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.183	.165	.149	.157	.142	.129	.107	.098	.089	.062	.057	.052	.020	.018	.017	
2.0	.171	.141	.115	.147	.121	.100	.101	.084	.069	.058	.049	.041	.019	.016	.013	
3.0	.161	.122	.091	.138	.106	.079	.095	.073	.056	.055	.043	.033	.018	.014	.011	
4.0	.153	.109	.074	.131	.094	.065	.090	.065	.046	.052	.038	.027	.017	.012	.009	
5.0	.146	.098	.062	.125	.084	.054	.086	.059	.038	.050	.035	.023	.016	.011	.007	
6.0	.139	.089	.053	.119	.077	.046	.082	.054	.033	.048	.032	.019	.015	.010	.006	
7.0	.133	.082	.046	.114	.071	.040	.079	.050	.028	.046	.029	.017	.015	.010	.006	
8.0	.127	.076	.041	.109	.066	.036	.076	.046	.025	.044	.027	.015	.014	.009	.005	
9.0	.122	.071	.037	.105	.062	.032	.073	.043	.023	.042	.026	.014	.014	.008	.004	
10.0	.117	.067	.033	.101	.058	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz										
Lamp Flux:47787.7x1 lm										
NAME: ASD-UHB2A-ST-300BK					TYPE: UHB2A ST			WEIGHT:		
SPEC.: 300W 5000K					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 137*137*3.14			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	26.3	27.6	26.7	28.0	28.3	25.9	27.2	26.3	27.5	27.8
3H	27.0	28.2	27.4	28.5	28.9	26.7	27.8	27.1	28.2	28.5
4H	27.2	28.2	27.6	28.6	29.0	26.9	27.9	27.3	28.3	28.7
6H	27.2	28.2	27.7	28.6	29.0	26.9	27.9	27.4	28.3	28.7
8H	27.2	28.1	27.7	28.6	29.0	26.9	27.9	27.4	28.3	28.7
12H	27.2	28.1	27.7	28.5	28.9	26.9	27.8	27.4	28.2	28.7
4H 2H	26.6	27.6	27.0	28.0	28.4	26.1	27.2	26.6	27.6	28.0
3H	27.4	28.3	27.9	28.7	29.1	27.0	27.9	27.5	28.3	28.7
4H	27.6	28.4	28.1	28.9	29.3	27.3	28.0	27.7	28.5	29.0
6H	27.8	28.4	28.2	28.9	29.4	27.4	28.1	27.9	28.5	29.0
8H	27.7	28.4	28.2	28.8	29.3	27.4	28.0	27.9	28.5	29.0
12H	27.7	28.3	28.2	28.8	29.3	27.4	27.9	27.9	28.5	29.0
8H 4H	27.7	28.3	28.2	28.8	29.2	27.3	27.9	27.8	28.4	28.9
6H	27.8	28.3	28.3	28.8	29.3	27.5	28.0	28.0	28.5	29.0
8H	27.8	28.3	28.4	28.8	29.3	27.5	27.9	28.0	28.5	29.0
12H	27.8	28.2	28.4	28.7	29.3	27.5	27.9	28.0	28.4	29.0
12H 4H	27.6	28.2	28.1	28.7	29.2	27.3	27.8	27.8	28.3	28.8
6H	27.8	28.2	28.3	28.7	29.3	27.4	27.9	28.0	28.4	29.0
8H	27.8	28.2	28.3	28.7	29.3	27.5	27.9	28.0	28.4	29.0
CIE190: 2010										

CIE190: 2010
Area: 0.0589347 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

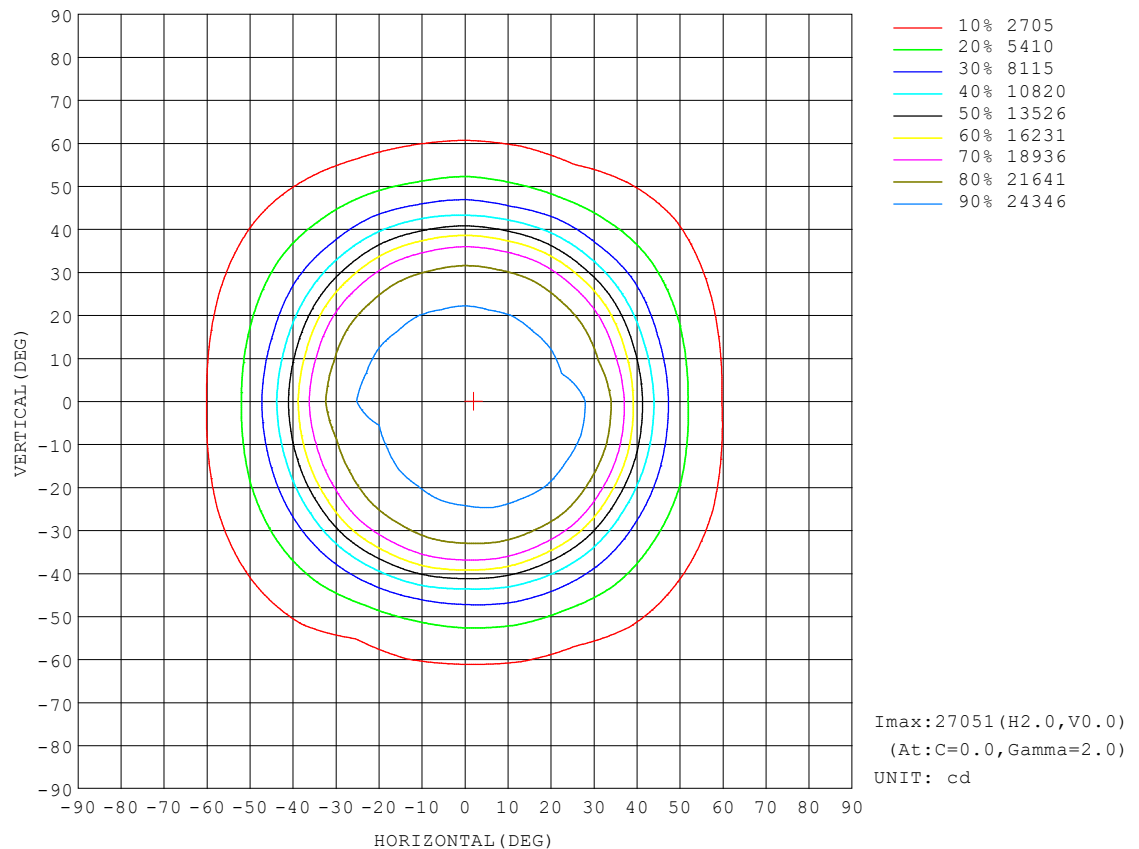
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	58	71	63	58	70	62	57	52
0.80	81	73	67	81	72	67	79	72	67	61
1.00	88	80	75	87	80	75	85	80	74	69
1.25	94	87	82	93	86	81	91	85	80	75
1.50	98	91	86	97	90	86	94	89	85	79
2.00	103	97	92	101	96	92	98	94	90	84
2.50	105	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	101	98	102	98	96	88
4.00	110	107	103	108	105	102	104	101	99	91
5.00	112	109	106	110	107	104	105	103	101	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:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

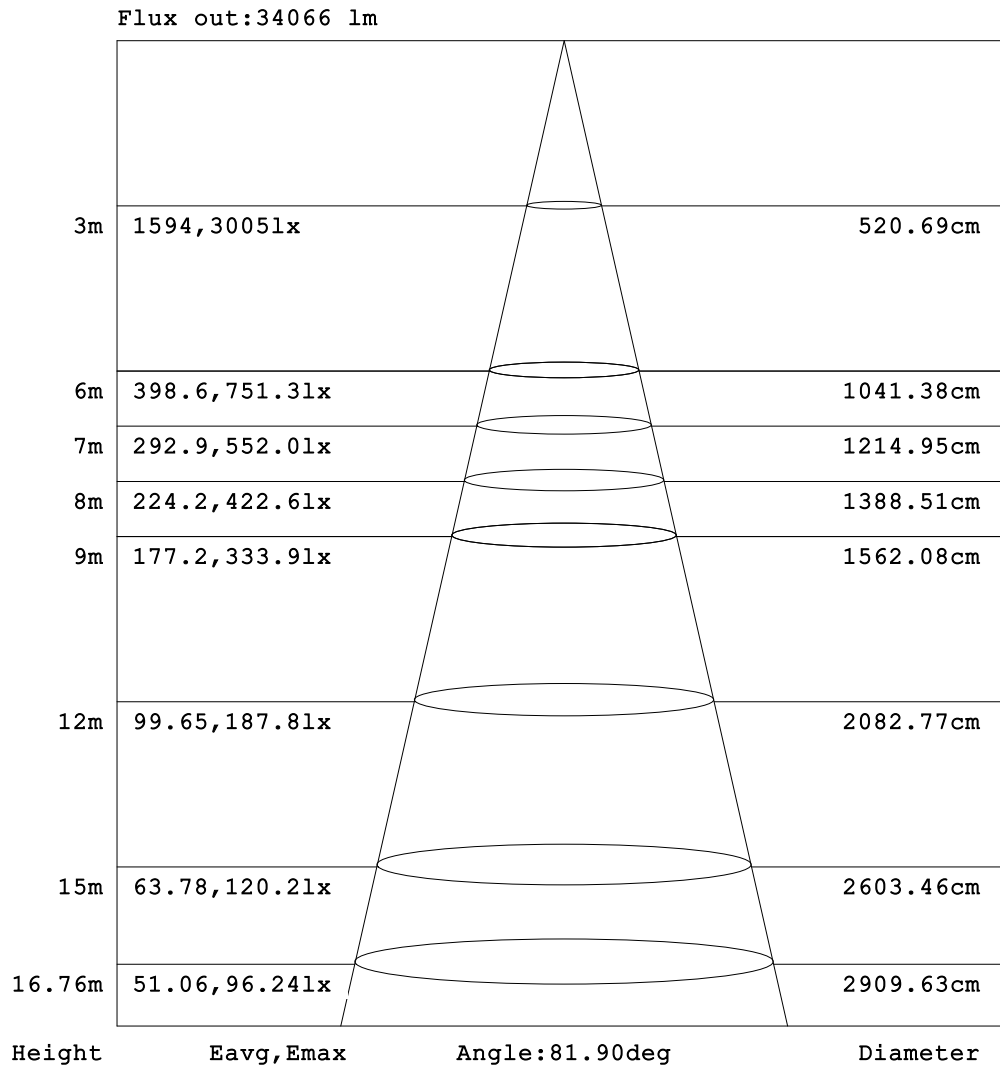


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:



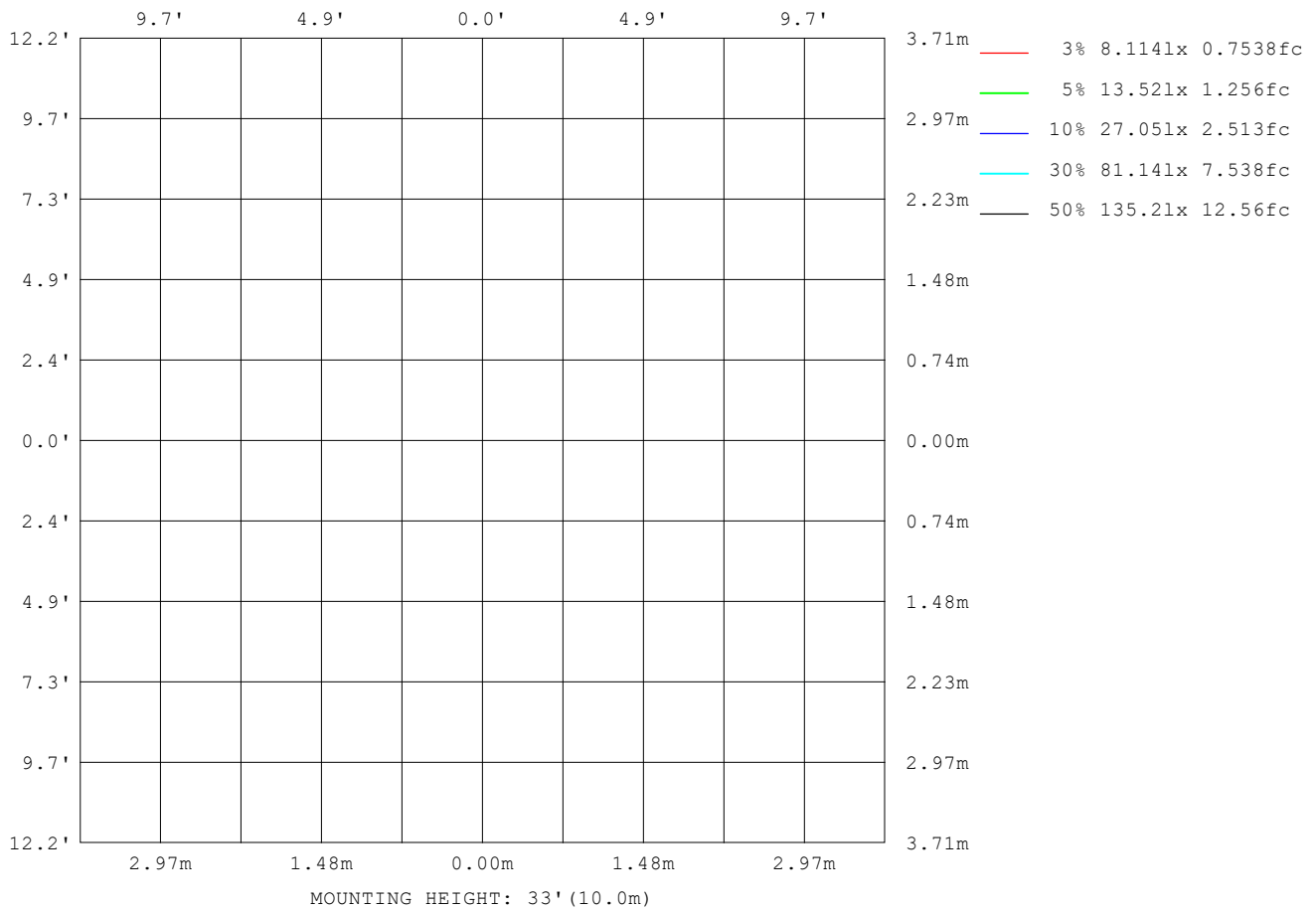
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

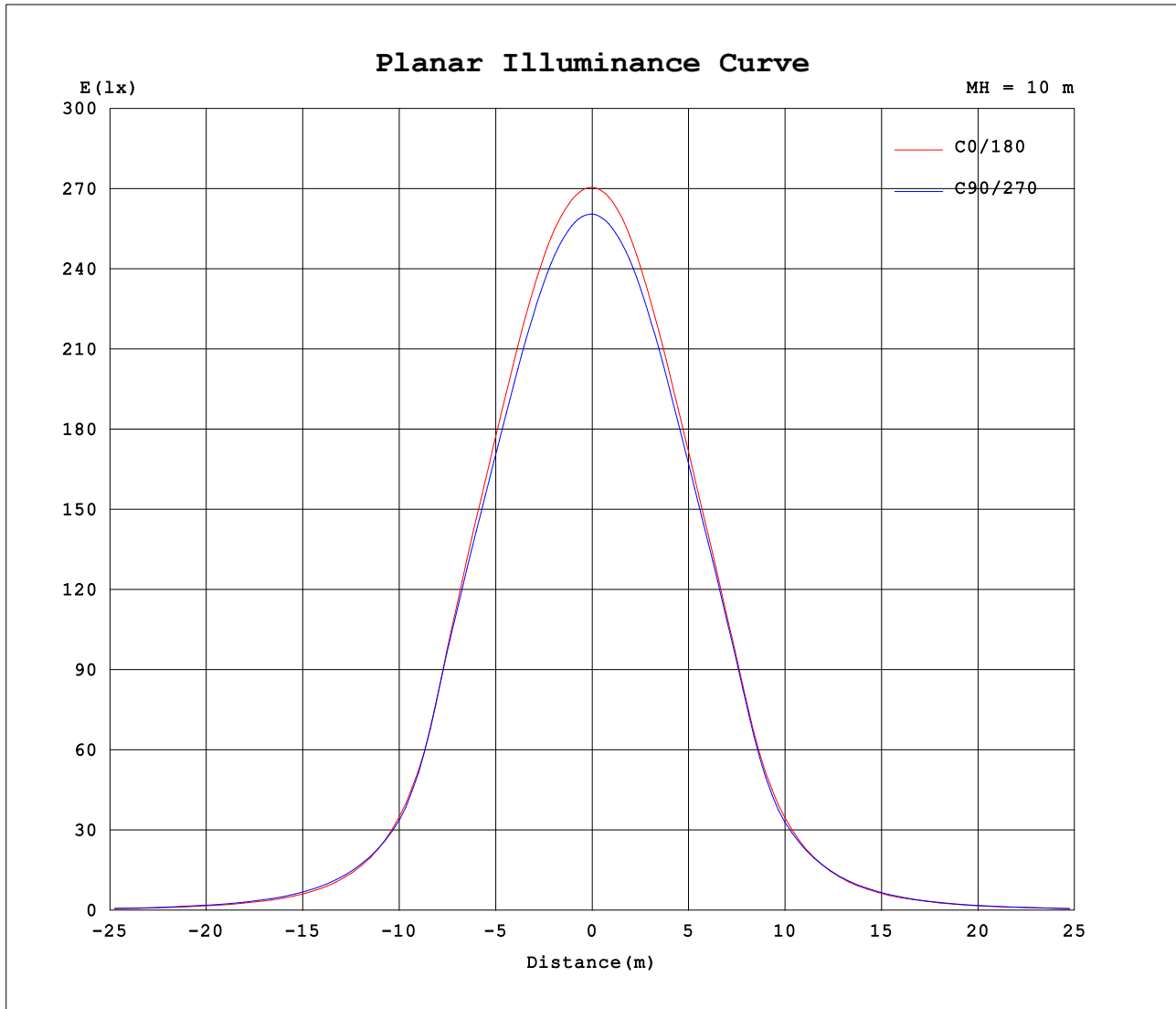
AvgL	cd/m2
L_0~180 (65) av	70434
L_0~180 (75) av	43312
L_0~180 (85) av	21790
L_90~270 (65) av	75957
L_90~270 (75) av	43453
L_90~270 (85) av	20733
L_45 (65) av	74012
L_45 (75) av	43194
L_45 (85) av	20475

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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: 2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2705	2678	2657	2640	2626	2614	2605	2597	2592	2587	2583	2579	2705	2678	2657	2640	2626	2614	2605
5	2704	2678	2657	2641	2627	2615	2605	2598	2592	2586	2581	2576	2699	2670	2648	2630	2617	2605	2597
10	2696	2671	2649	2632	2617	2606	2595	2588	2580	2574	2566	2559	2677	2646	2625	2606	2595	2584	2579
15	2672	2650	2626	2609	2591	2578	2565	2556	2544	2539	2525	2521	2627	2595	2576	2559	2553	2541	2541
20	2615	2598	2575	2561	2540	2527	2508	2498	2478	2470	2453	2447	2550	2516	2504	2485	2482	2471	2474
25	2517	2512	2488	2480	2456	2445	2419	2407	2381	2370	2351	2346	2440	2406	2397	2378	2378	2369	2373
30	2365	2370	2349	2349	2324	2314	2287	2274	2243	2231	2206	2204	2278	2247	2239	2220	2226	2218	2227
35	2086	2109	2094	2108	2081	2079	2045	2040	1998	1991	1955	1955	1997	1964	1969	1948	1962	1950	1967
40	1506	1541	1525	1559	1532	1549	1514	1528	1483	1490	1456	1463	1478	1444	1447	1428	1452	1433	1447
45	991	987	969	997	1001	1007	956	970	948	952	934	951	981	934	942	929	956	943	933
50	641	666	658	670	671	676	664	630	621	634	644	648	644	634	643	622	640	623	644
55	409	450	449	459	436	458	452	432	390	438	444	444	418	432	435	424	414	421	436
60	264	296	298	305	283	303	299	291	247	291	294	293	272	284	287	277	268	277	287
65	173	190	193	197	184	195	194	187	161	186	191	187	178	184	186	179	172	179	185
70	112	120	122	123	116	123	122	118	105	117	120	117	115	117	117	113	110	112	115
75	63.8	67.6	67.4	69.7	65.6	69.8	67.8	67.2	60.8	67.3	67.7	67.1	68.3	66.7	67.9	64.7	63.3	63.4	64.8
80	29.5	31.0	31.0	32.2	30.5	32.6	31.1	31.0	28.6	31.7	31.7	31.5	34.4	32.4	33.2	30.9	30.6	29.5	30.6
85	9.29	9.84	9.96	10.3	9.71	10.8	10.5	10.5	9.89	11.0	11.1	10.8	13.1	12.2	12.5	11.3	11.0	10.4	10.8
90	0.51	0.50	0.51	0.49	0.50	0.51	0.50	0.53	0.49	0.56	0.53	0.57	1.88	1.81	1.84	1.79	1.78	1.77	1.75
95	0.78	0.76	0.77	0.75	0.75	0.74	0.75	0.72	0.72	0.72	0.75	0.74	2.14	2.15	2.14	2.15	2.13	2.14	2.11
100	1.19	1.15	1.17	1.14	1.16	1.13	1.15	1.09	1.11	1.10	1.15	1.14	2.64	2.65	2.64	2.65	2.63	2.64	2.60
105	1.79	1.73	1.75	1.72	1.74	1.71	1.71	1.66	1.67	1.66	1.72	1.72	3.32	3.33	3.31	3.34	3.31	3.33	3.27
110	2.66	2.57	2.59	2.56	2.60	2.55	2.56	2.49	2.52	2.49	2.58	2.59	4.28	4.31	4.27	4.32	4.28	4.30	4.21
115	3.89	3.78	3.80	3.75	3.81	3.74	3.76	3.68	3.73	3.69	3.80	3.81	5.61	5.67	5.61	5.68	5.62	5.65	5.52
120	5.46	5.33	5.35	5.29	5.35	5.28	5.31	5.23	5.30	5.25	5.37	5.38	7.31	7.37	7.30	7.38	7.31	7.33	7.18
125	7.30	7.15	7.15	7.09	7.15	7.07	7.10	7.04	7.12	7.07	7.19	7.22	9.28	9.35	9.27	9.35	9.25	9.27	9.10
130	9.31	9.15	9.14	9.06	9.10	9.02	9.07	9.02	9.10	9.04	9.18	9.20	11.4	11.5	11.4	11.4	11.3	11.3	11.2
135	11.3	11.2	11.2	11.1	11.1	11.0	11.1	11.0	11.1	11.1	11.2	11.2	13.5	13.5	13.5	13.5	13.4	13.3	13.2
140	13.3	13.2	13.1	13.0	13.0	12.9	13.0	12.9	13.0	13.0	13.1	13.1	15.5	15.4	15.4	15.3	15.3	15.2	15.0
145	15.2	15.1	14.9	14.9	14.8	14.8	14.8	14.8	14.8	14.8	14.9	14.9	17.2	17.1	17.1	17.0	17.0	16.8	16.7
150	16.9	16.8	16.6	16.6	16.5	16.5	16.4	16.4	16.4	16.4	16.5	16.5	18.8	18.6	18.6	18.5	18.4	18.3	18.2
155	18.7	18.6	18.4	18.3	18.2	18.2	18.1	18.1	18.1	18.1	18.2	18.2	20.3	20.1	20.0	19.9	19.8	19.7	19.6
160	20.6	20.5	20.3	20.2	20.1	20.1	20.0	20.0	20.0	20.0	20.0	20.0	21.9	21.7	21.6	21.5	21.4	21.3	21.2
165	22.6	22.5	22.2	22.1	22.0	22.0	21.9	21.9	21.9	21.9	21.9	21.9	23.6	23.3	23.3	23.1	23.1	22.9	22.8
170	24.3	24.2	23.9	23.9	23.7	23.7	23.5	23.6	23.5	23.5	23.5	23.5	25.1	24.7	24.7	24.5	24.4	24.2	24.2
175	25.6	25.5	25.1	25.1	24.9	24.9	24.7	24.8	24.7	24.6	24.6	24.6	26.0	25.7	25.6	25.4	25.3	25.1	25.1
180	26.2	26.1	25.7	25.7	25.5	25.5	25.3	25.3	25.1	25.1	25.1	25.1	26.4	25.9	25.9	25.6	25.6	25.4	25.4

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.99V I:2.5284A P:305.01W PF:0.9971 Freq:50.00Hz Lamp Flux:47787.7x1 lm		
NAME: ASD-UHB2A-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

Table--2

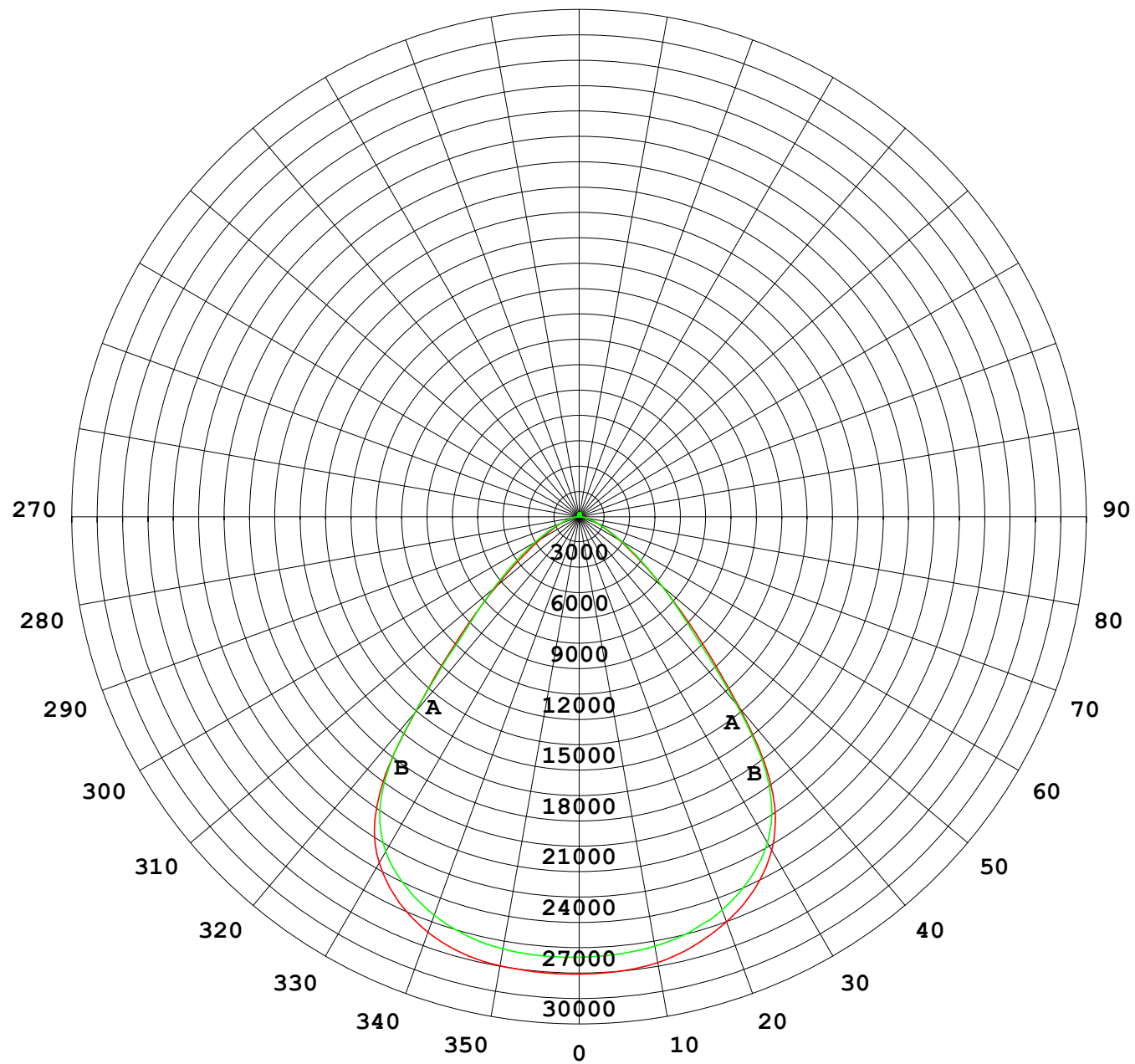
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2597	2592	2587	2583	2579														
5	2590	2587	2582	2580	2577														
10	2574	2573	2572	2572	2571														
15	2536	2541	2540	2547	2546														
20	2468	2479	2479	2491	2491														
25	2368	2381	2382	2397	2400														
30	2224	2239	2238	2254	2260														
35	1960	1979	1975	2001	2005														
40	1423	1439	1429	1468	1470														
45	904	929	908	938	940														
50	605	601	600	638	638														
55	415	379	413	435	432														
60	274	242	272	291	282														
65	177	158	175	187	182														
70	112	102	110	117	114														
75	62.1	59.1	61.9	66.5	63.7														
80	28.8	28.9	28.2	31.1	29.3														
85	9.95	9.72	9.55	10.6	9.71														
90	1.74	1.71	1.72	1.71	1.71														
95	2.09	2.05	2.08	2.07	2.07														
100	2.58	2.53	2.56	2.55	2.55														
105	3.25	3.19	3.22	3.20	3.22														
110	4.20	4.14	4.16	4.12	4.14														
115	5.52	5.43	5.46	5.38	5.41														
120	7.18	7.08	7.09	6.97	7.01														
125	9.10	8.97	8.98	8.83	8.86														
130	11.1	11.0	11.0	10.8	10.8														
135	13.1	13.0	13.0	12.8	12.8														
140	14.9	14.8	14.8	14.6	14.6														
145	16.6	16.5	16.4	16.3	16.3														
150	18.1	18.0	17.9	17.8	17.7														
155	19.4	19.4	19.3	19.2	19.1														
160	21.0	20.9	20.8	20.7	20.7														
165	22.6	22.6	22.5	22.4	22.3														
170	24.0	24.0	23.8	23.8	23.7														
175	24.9	24.9	24.8	24.7	24.7														
180	25.3	25.2	25.1	25.1	25.0														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

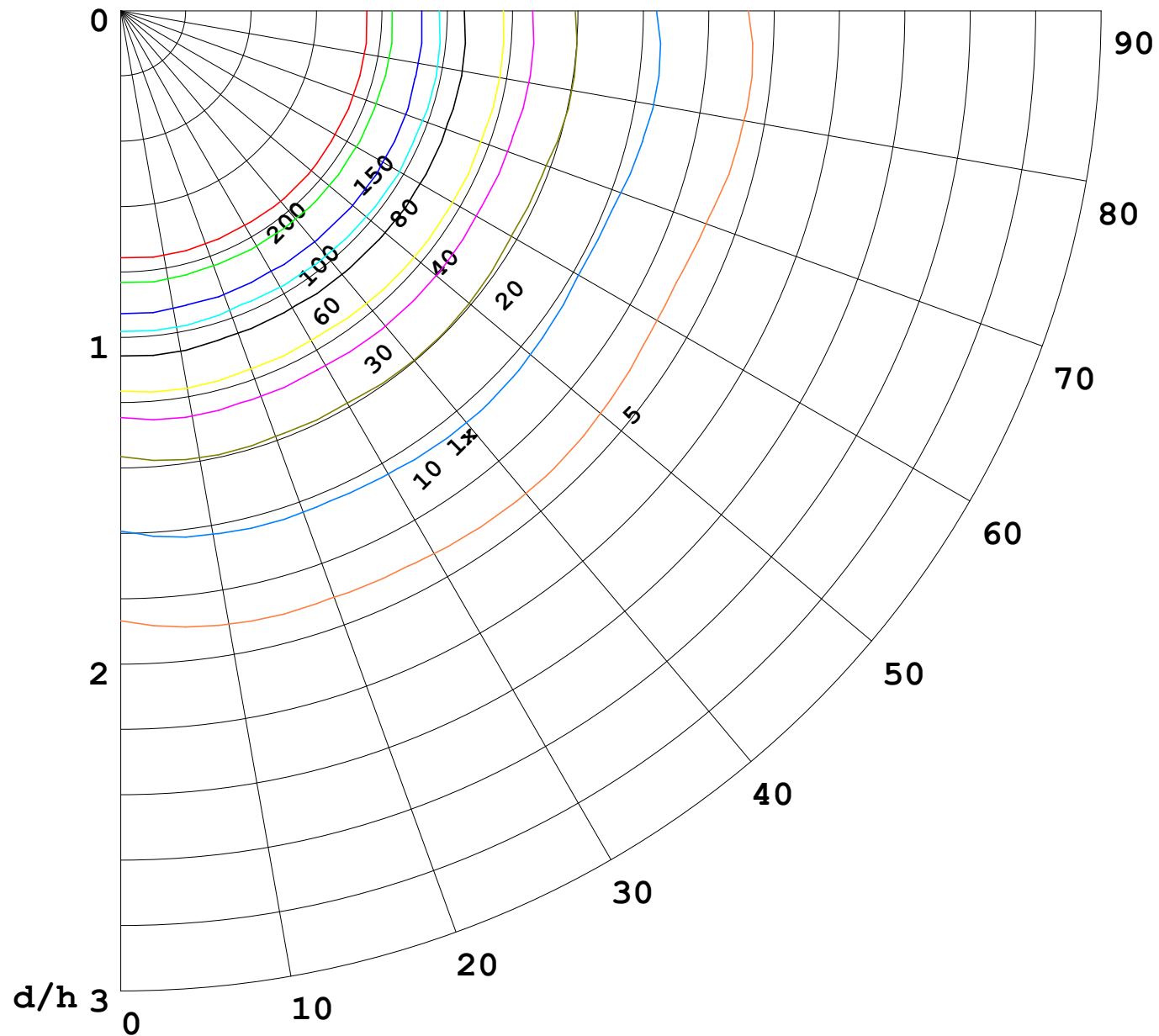
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

