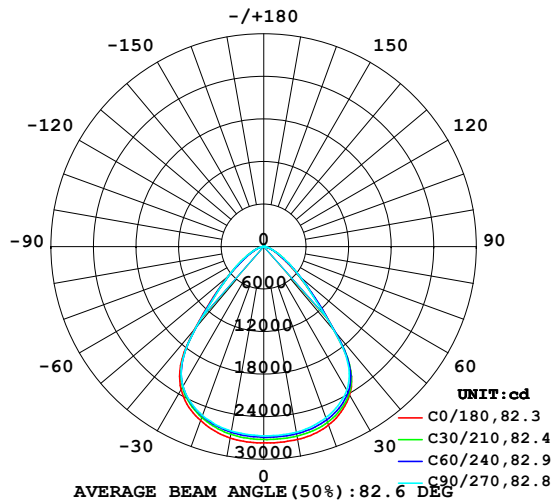


LUMINAIRE PHOTOMETRIC TEST REPORT

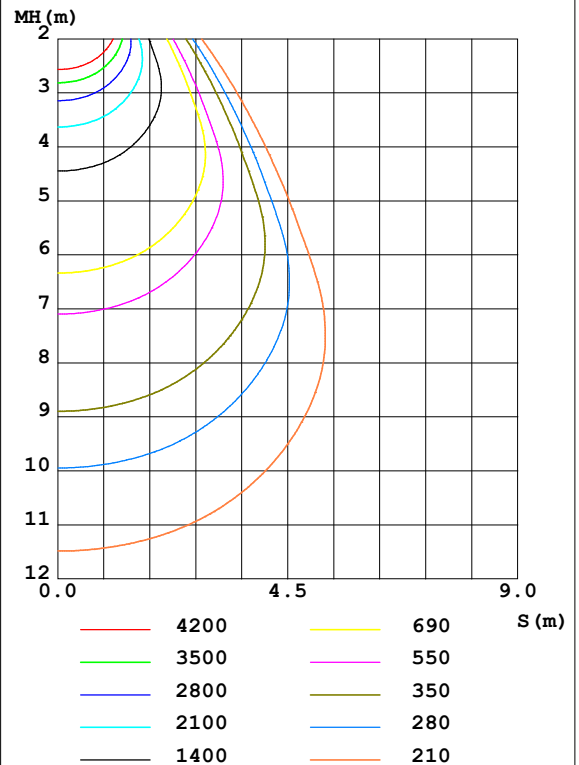
Test:U:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.67 lm/W			
MODEL	ASD-UHB2AHV-ST-300BK	I _{max} (cd)	27700	S/MH(C0/180)	1.18
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	48935	η UP,DN(C0-180)	0.5,50.1
NOMINAL FLUX(lm)	48934.6	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)	277	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:

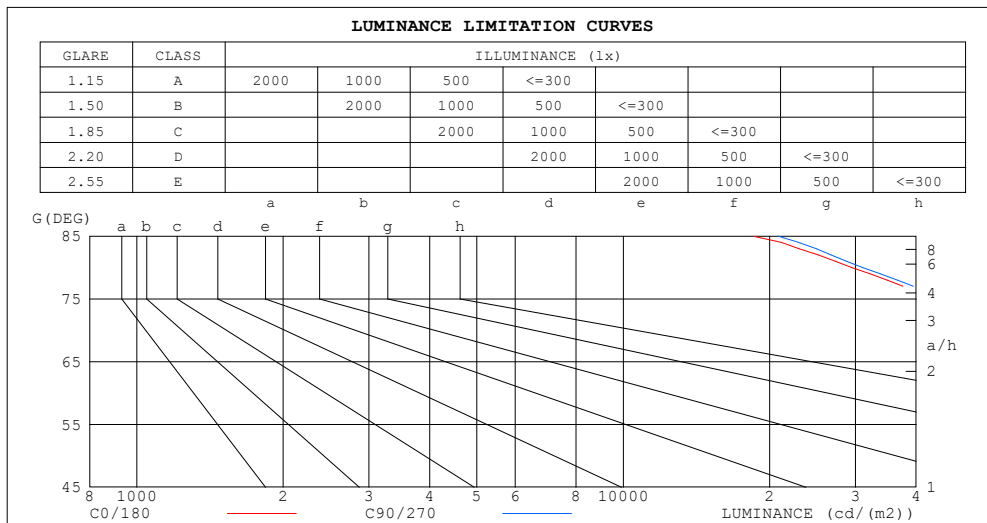
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2761	2695	2658	2636	2742	2669	2640	2633	0- 10	2555	2555	5.22,5.22
20	2678	2622	2568	2529	2611	2545	2534	2539	10- 20	7430	9985	20.4,20.4
30	2421	2405	2342	2284	2333	2273	2280	2291	20- 30	11350	21335	43.6,43.6
40	1543	1596	1551	1526	1513	1462	1482	1463	30- 40	12517	33852	69.2,69.2
50	655.9	686.2	680.0	649.3	659.8	636.5	659.9	614.7	40- 50	7760	41612	85,85
60	270.1	312.1	306.3	298.3	279.0	283.4	294.0	278.4	50- 60	4012	45624	93.2,93.2
70	114.9	126.0	124.5	120.1	118.2	115.5	117.8	113.1	60- 70	1899	47523	97.1,97.1
80	30.23	33.01	31.81	32.42	35.18	31.60	31.35	28.89	70- 80	735.7	48259	98.6,98.6
90	0.5269	0.5036	0.5134	0.5703	1.927	1.831	1.790	1.762	80- 90	134.8	48393	98.9,98.9
100	1.222	1.166	1.175	1.127	2.699	2.713	2.665	2.618	90-100	16.21	48410	98.9,98.9
110	2.725	2.616	2.620	2.555	4.379	4.422	4.313	4.264	100-110	27.48	48437	99,99
120	5.594	5.418	5.433	5.376	7.481	7.556	7.352	7.263	110-120	47.76	48485	99.1,99.1
130	9.533	9.277	9.285	9.260	11.68	11.72	11.42	11.27	120-130	74.61	48559	99.2,99.2
140	13.64	13.30	13.29	13.28	15.85	15.69	15.41	15.13	130-140	95.88	48655	99.4,99.4
150	17.34	16.96	16.84	16.81	19.26	18.92	18.64	18.30	140-150	101.1	48756	99.6,99.6
160	21.09	20.69	20.48	20.45	22.44	21.98	21.67	21.33	150-160	89.50	48846	99.8,99.8
170	24.88	24.43	24.11	24.06	25.70	25.04	24.77	24.42	160-170	64.57	48911	100,100
180	26.78	26.34	25.93	25.74	27.00	26.22	25.98	25.70	170-180	24.14	48935	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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-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	18515	20863
80	29543	31083
75	42856	45488
70	56982	61744
65	71044	79612
60	91659	103949
55	123944	136892
50	173151	179499
45	243581	234805

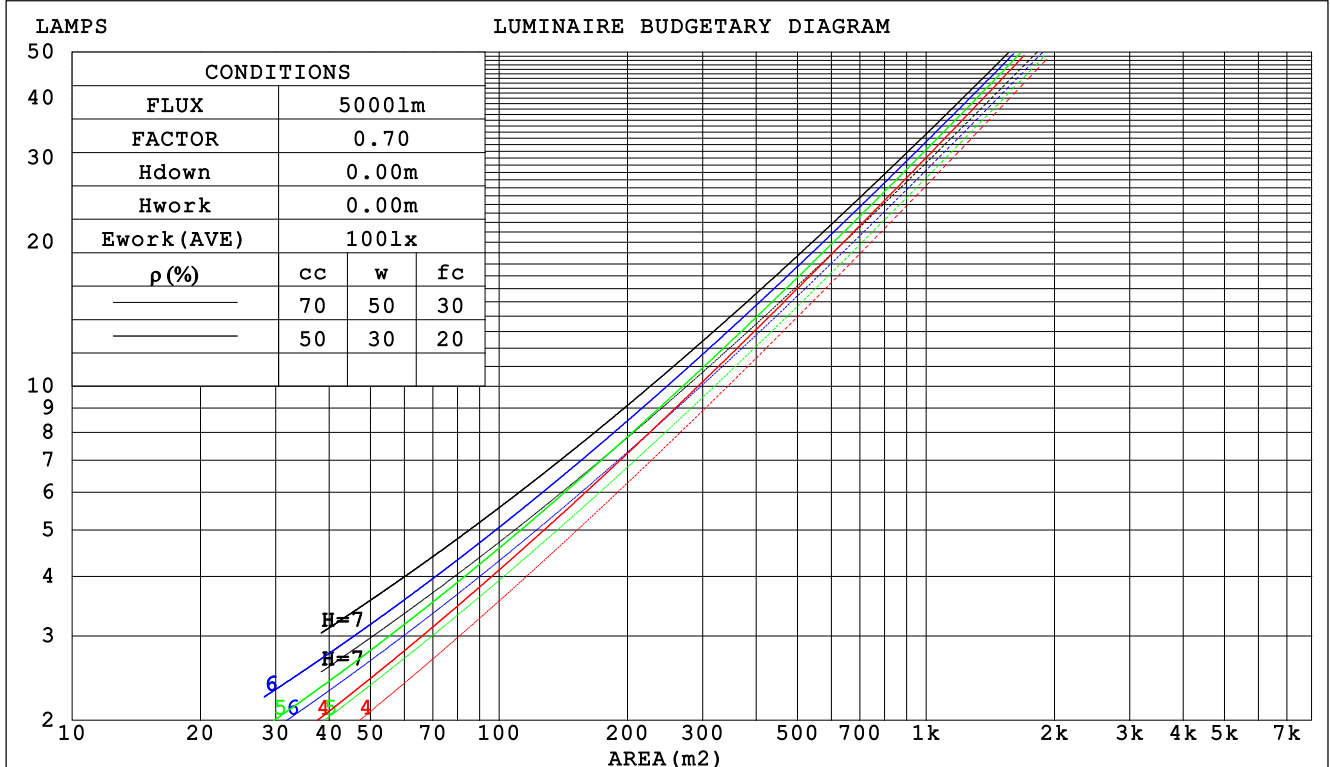
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-4-15

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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-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															



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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-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	.108	.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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz										
Lamp Flux:48934.6x1 lm										
NAME: ASD-UHB2AHV-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	26.4	27.7	26.8	28.0	28.4	26.0	27.2	26.3	27.6	27.9
3H	27.1	28.2	27.5	28.6	29.0	26.8	27.9	27.2	28.2	28.6
4H	27.3	28.3	27.7	28.7	29.1	27.0	28.0	27.4	28.4	28.8
6H	27.3	28.3	27.8	28.7	29.1	27.0	28.0	27.5	28.4	28.8
8H	27.3	28.2	27.8	28.6	29.1	27.0	27.9	27.5	28.4	28.8
12H	27.3	28.2	27.7	28.6	29.0	27.0	27.9	27.5	28.3	28.7
4H 2H	26.7	27.7	27.1	28.1	28.5	26.2	27.3	26.6	27.6	28.0
3H	27.5	28.4	27.9	28.8	29.2	27.1	28.0	27.5	28.4	28.8
4H	27.7	28.5	28.2	28.9	29.4	27.4	28.1	27.8	28.6	29.0
6H	27.8	28.5	28.3	29.0	29.5	27.5	28.2	28.0	28.6	29.1
8H	27.8	28.4	28.3	28.9	29.4	27.5	28.1	28.0	28.6	29.1
12H	27.8	28.4	28.3	28.9	29.4	27.5	28.0	28.0	28.5	29.0
8H 4H	27.8	28.4	28.2	28.8	29.3	27.4	28.0	27.9	28.5	29.0
6H	27.9	28.4	28.4	28.9	29.4	27.6	28.1	28.1	28.6	29.1
8H	27.9	28.4	28.4	28.9	29.4	27.6	28.0	28.1	28.6	29.1
12H	27.9	28.3	28.4	28.8	29.4	27.6	28.0	28.1	28.5	29.1
12H 4H	27.7	28.3	28.2	28.8	29.3	27.4	27.9	27.9	28.4	28.9
6H	27.9	28.3	28.4	28.8	29.4	27.5	28.0	28.1	28.5	29.0
8H	27.9	28.3	28.4	28.8	29.4	27.6	28.0	28.1	28.5	29.1
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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

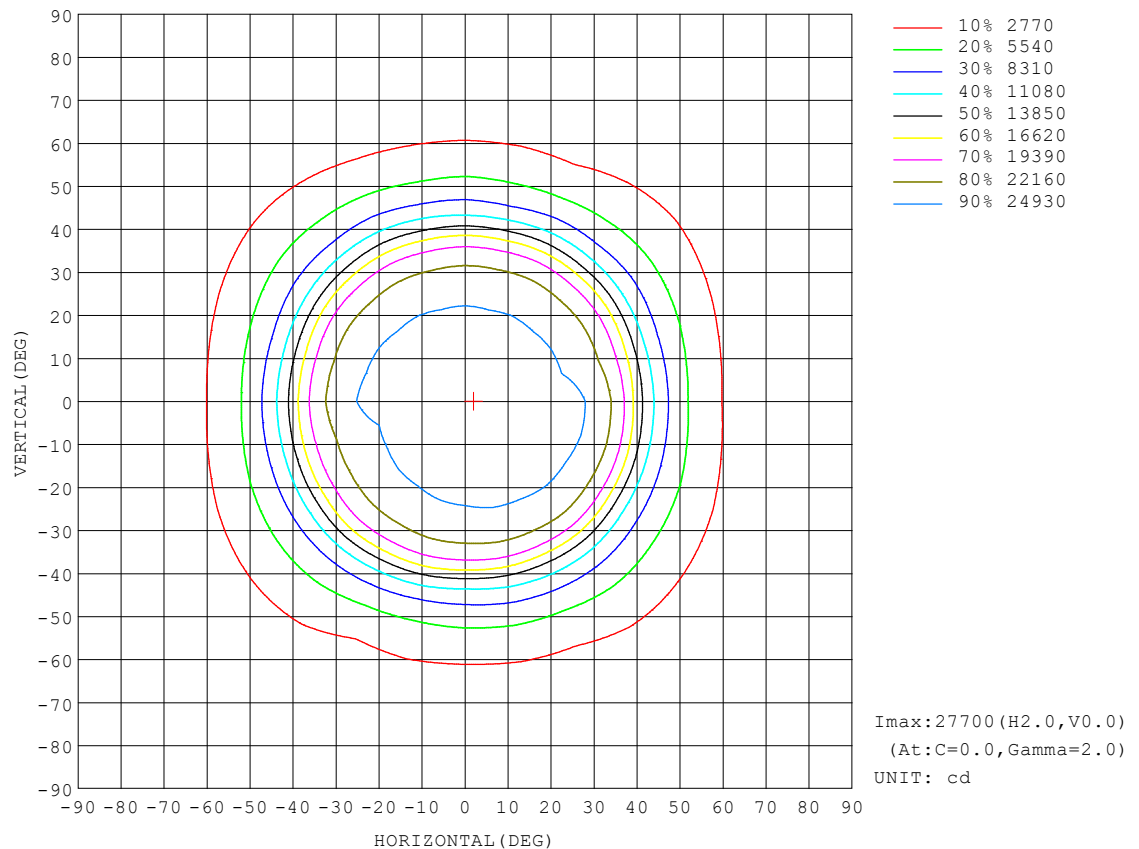
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	58	71	63	58	70	62	57	52
0.80	81	73	67	81	72	67	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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

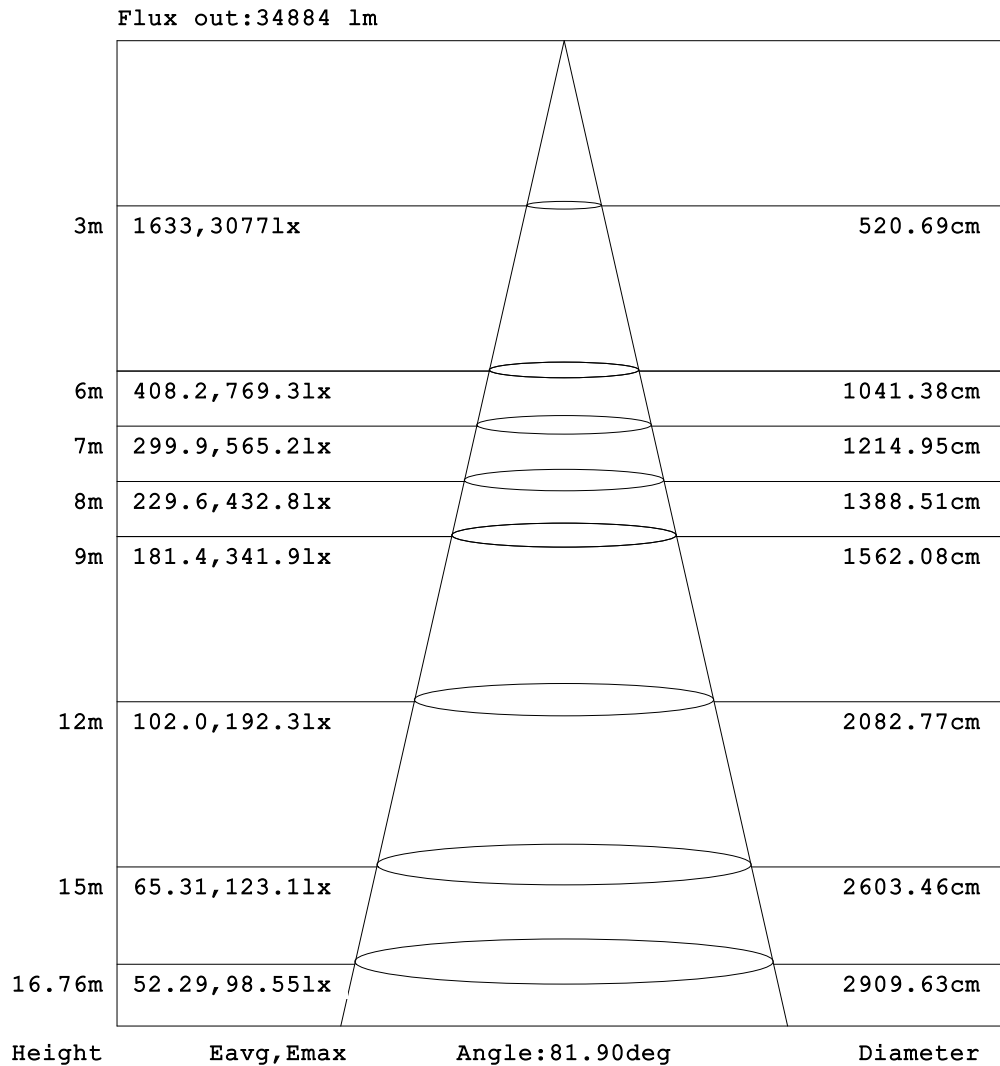


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:



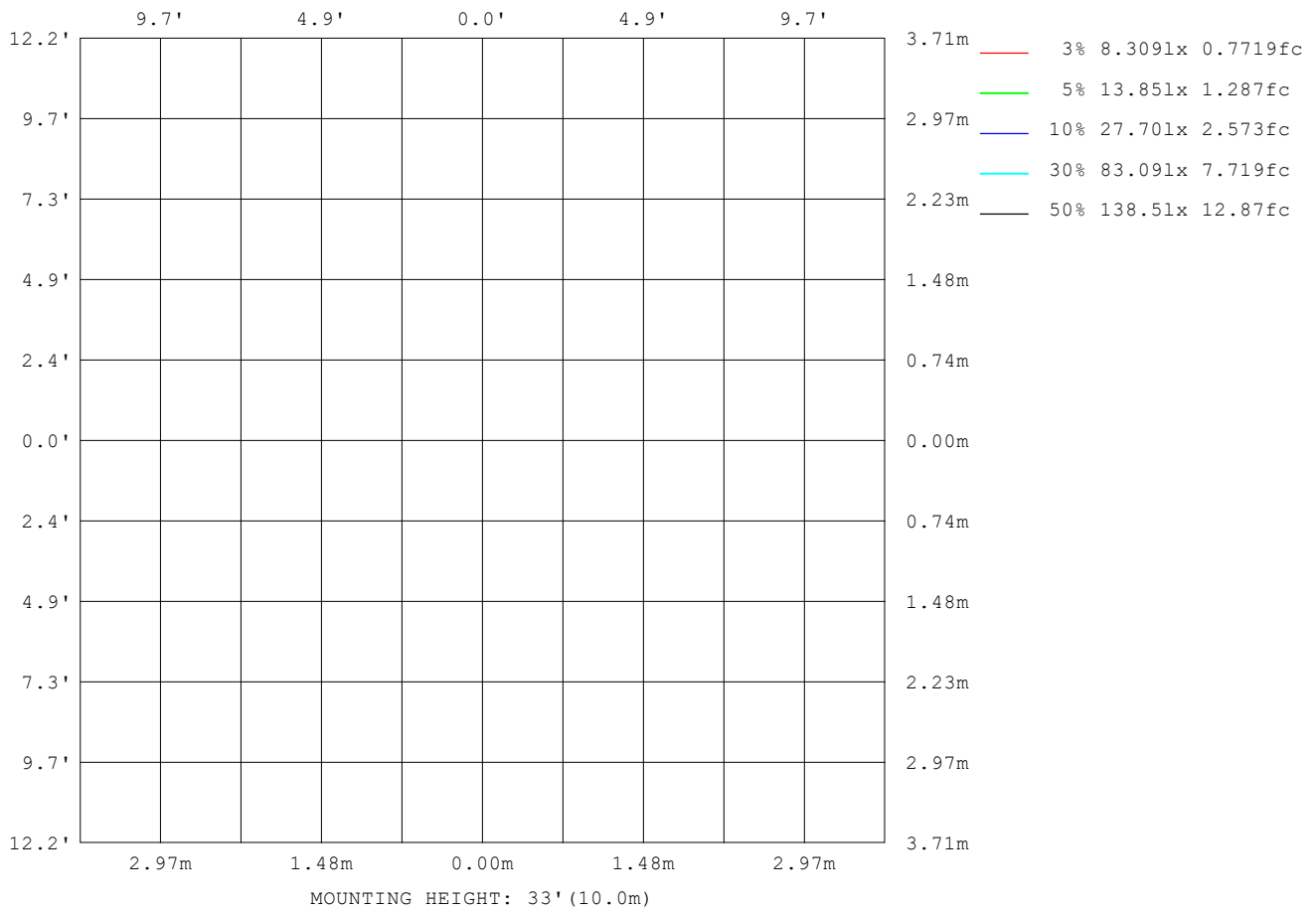
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-ST-300BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 137*137*3.14	Shielding Angle:

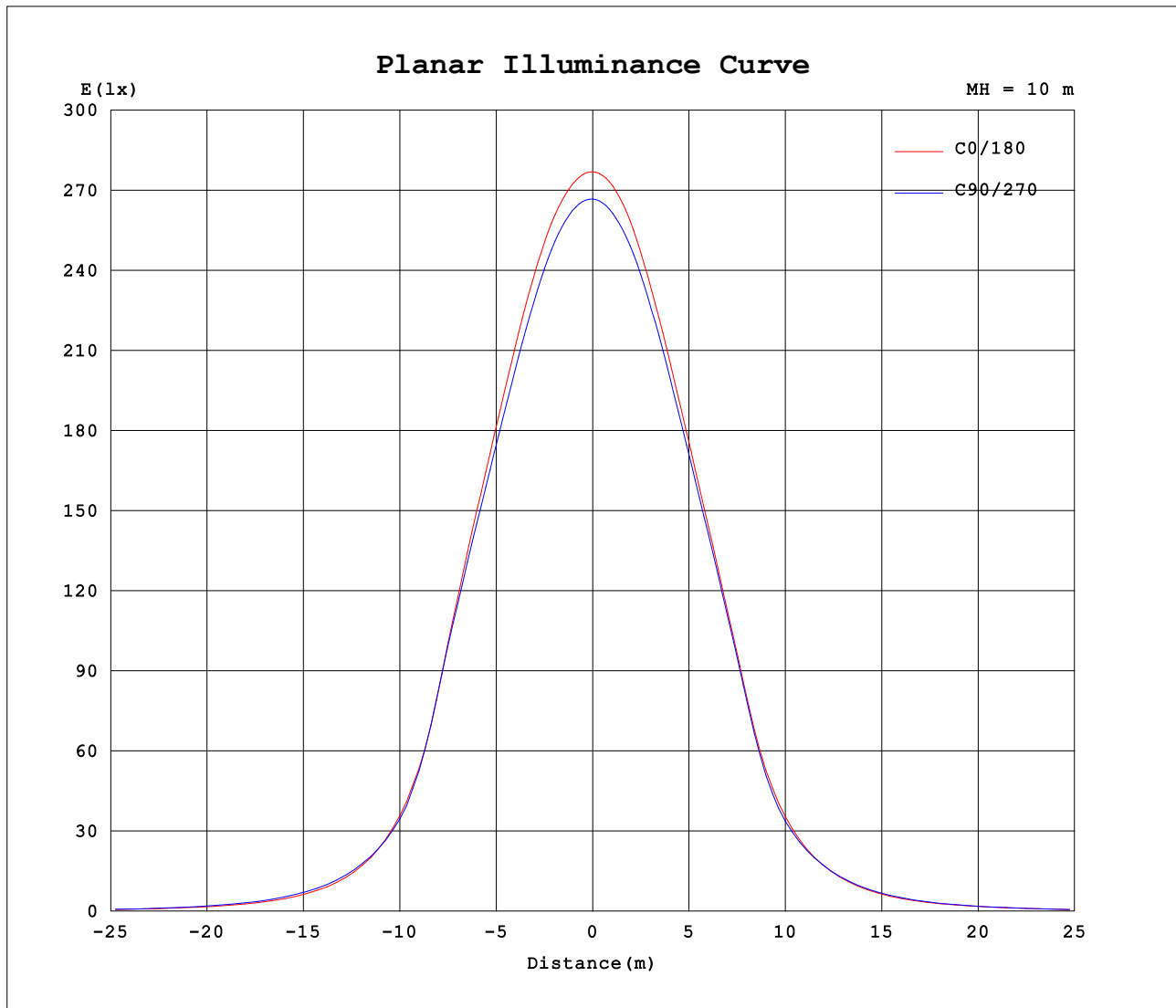
AvgL	cd/m2
L_0~180 (65) av	72124
L_0~180 (75) av	44351
L_0~180 (85) av	22313
L_90~270 (65) av	77780
L_90~270 (75) av	44496
L_90~270 (85) av	21231
L_45 (65) av	75788
L_45 (75) av	44231
L_45 (85) av	20967

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:280.45V I:1.0892A P:304.57W PF:0.9971 Freq:50.00Hz Lamp Flux:48934.6x1 lm		
NAME: ASD-UHB2AHV-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	2770	2742	2720	2703	2689	2677	2668	2659	2654	2649	2645	2641	2770	2742	2720	2703	2689	2677	2668
5	2769	2743	2720	2704	2690	2678	2668	2661	2654	2648	2643	2638	2764	2734	2712	2693	2680	2668	2660
10	2761	2735	2713	2695	2680	2668	2658	2650	2642	2636	2628	2621	2742	2709	2688	2669	2658	2646	2640
15	2736	2714	2689	2671	2653	2640	2627	2617	2605	2600	2585	2581	2690	2658	2638	2621	2614	2602	2602
20	2678	2660	2636	2622	2601	2588	2568	2558	2538	2529	2512	2506	2611	2577	2564	2545	2542	2530	2534
25	2578	2572	2547	2539	2515	2503	2477	2464	2438	2427	2408	2402	2499	2464	2454	2435	2435	2425	2430
30	2421	2427	2405	2405	2379	2370	2342	2328	2297	2284	2259	2257	2333	2301	2293	2273	2279	2272	2280
35	2136	2160	2144	2158	2131	2128	2094	2089	2046	2039	2002	2002	2045	2012	2016	1995	2009	1997	2014
40	1543	1578	1561	1596	1569	1587	1551	1564	1519	1526	1491	1498	1513	1478	1482	1462	1487	1467	1482
45	1015	1011	992	1021	1025	1031	979	993	971	974	957	974	1005	956	965	951	979	965	956
50	656	682	673	686	687	693	680	645	636	649	659	663	660	649	659	636	656	638	660
55	419	461	460	470	447	469	463	442	399	448	455	455	428	442	446	434	424	431	447
60	270	303	305	312	290	310	306	298	253	298	301	300	279	291	294	283	274	283	294
65	177	194	198	201	188	200	198	192	165	191	195	192	182	189	190	183	176	183	189
70	115	123	124	126	119	126	124	121	107	120	123	120	118	120	120	115	112	115	118
75	65.4	69.3	69.0	71.4	67.2	71.5	69.4	68.8	62.3	68.9	69.3	68.7	69.9	68.3	69.6	66.2	64.9	64.9	66.4
80	30.2	31.7	31.7	33.0	31.2	33.4	31.8	31.8	29.3	32.4	32.5	32.3	35.2	33.1	34.0	31.6	31.3	30.2	31.3
85	9.51	10.1	10.2	10.5	9.94	11.1	10.7	10.7	10.1	11.2	11.3	11.0	13.4	12.4	12.8	11.5	11.3	10.7	11.1
90	0.53	0.51	0.52	0.50	0.51	0.52	0.51	0.54	0.51	0.57	0.54	0.58	1.93	1.85	1.88	1.83	1.82	1.81	1.79
95	0.80	0.78	0.79	0.77	0.77	0.76	0.77	0.73	0.73	0.74	0.77	0.76	2.19	2.20	2.19	2.20	2.18	2.19	2.16
100	1.22	1.18	1.20	1.17	1.18	1.16	1.18	1.12	1.13	1.13	1.18	1.16	2.70	2.71	2.70	2.71	2.69	2.70	2.66
105	1.83	1.77	1.79	1.76	1.78	1.75	1.75	1.70	1.71	1.70	1.76	1.76	3.40	3.41	3.39	3.42	3.39	3.41	3.34
110	2.72	2.64	2.65	2.62	2.66	2.61	2.62	2.55	2.58	2.55	2.64	2.65	4.38	4.41	4.38	4.42	4.38	4.40	4.31
115	3.98	3.87	3.89	3.84	3.90	3.83	3.85	3.77	3.82	3.78	3.89	3.90	5.74	5.80	5.74	5.81	5.75	5.78	5.65
120	5.59	5.46	5.48	5.42	5.48	5.40	5.43	5.35	5.43	5.38	5.50	5.51	7.48	7.54	7.48	7.56	7.48	7.50	7.35
125	7.48	7.32	7.33	7.26	7.32	7.24	7.27	7.21	7.29	7.24	7.36	7.39	9.50	9.57	9.49	9.58	9.47	9.49	9.32
130	9.53	9.37	9.36	9.28	9.32	9.23	9.28	9.23	9.32	9.26	9.40	9.42	11.7	11.7	11.7	11.7	11.6	11.6	11.4
135	11.6	11.5	11.4	11.3	11.4	11.3	11.3	11.3	11.4	11.3	11.5	11.5	13.9	13.9	13.8	13.8	13.7	13.7	13.5
140	13.6	13.5	13.4	13.3	13.3	13.2	13.3	13.2	13.3	13.3	13.4	13.4	15.9	15.8	15.8	15.7	15.6	15.5	15.4
145	15.6	15.4	15.3	15.2	15.2	15.1	15.1	15.1	15.1	15.1	15.2	15.2	17.7	17.5	17.5	17.4	17.4	17.2	17.1
150	17.3	17.2	17.0	17.0	16.9	16.9	16.8	16.8	16.8	16.8	16.9	16.9	19.3	19.1	19.1	18.9	18.9	18.7	18.6
155	19.1	19.0	18.8	18.8	18.6	18.6	18.6	18.6	18.5	18.5	18.6	18.6	20.8	20.6	20.5	20.3	20.3	20.1	20.1
160	21.1	21.0	20.7	20.7	20.6	20.5	20.5	20.5	20.5	20.4	20.5	20.5	22.4	22.2	22.2	22.0	21.9	21.8	21.7
165	23.1	23.0	22.7	22.7	22.5	22.5	22.4	22.4	22.4	22.4	22.5	22.4	24.2	23.9	23.9	23.6	23.6	23.4	23.4
170	24.9	24.8	24.5	24.4	24.2	24.2	24.1	24.1	24.1	24.1	24.1	24.1	25.7	25.3	25.3	25.0	25.0	24.8	24.8
175	26.2	26.1	25.7	25.7	25.5	25.5	25.3	25.4	25.2	25.2	25.2	25.2	26.7	26.3	26.2	26.0	25.9	25.7	25.7
180	26.8	26.7	26.4	26.3	26.1	26.1	25.9	25.9	25.7	25.7	25.7	25.7	27.0	26.5	26.5	26.2	26.2	26.0	26.0

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: ASD-UHB2AHV-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

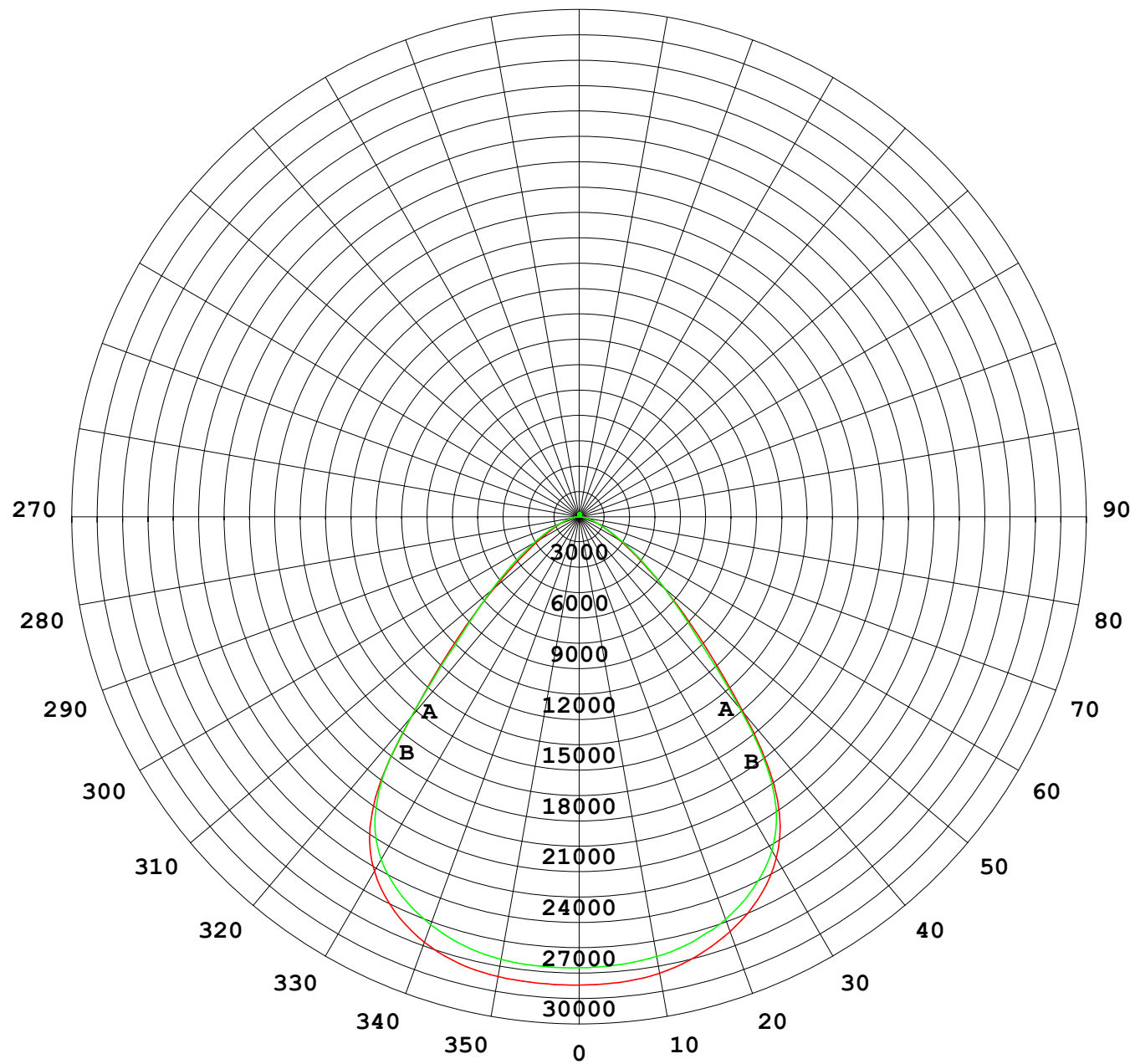
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2659	2654	2649	2645	2641														
5	2653	2649	2644	2642	2639														
10	2635	2635	2633	2634	2632														
15	2597	2602	2601	2608	2607														
20	2527	2539	2539	2550	2551														
25	2425	2439	2439	2454	2457														
30	2277	2292	2291	2308	2314														
35	2007	2027	2023	2049	2054														
40	1457	1474	1463	1503	1505														
45	926	952	930	961	963														
50	619	615	615	654	653														
55	425	388	423	445	443														
60	280	247	278	298	288														
65	181	162	180	191	186														
70	115	104	113	120	117														
75	63.6	60.5	63.4	68.1	65.2														
80	29.5	29.6	28.9	31.8	30.0														
85	10.2	9.95	9.78	10.9	9.95														
90	1.78	1.75	1.76	1.75	1.75														
95	2.14	2.10	2.13	2.12	2.12														
100	2.64	2.60	2.62	2.62	2.61														
105	3.32	3.27	3.30	3.28	3.29														
110	4.30	4.23	4.26	4.22	4.24														
115	5.66	5.56	5.59	5.51	5.54														
120	7.35	7.25	7.26	7.14	7.17														
125	9.32	9.19	9.20	9.05	9.07														
130	11.4	11.3	11.3	11.1	11.1														
135	13.4	13.3	13.3	13.1	13.1														
140	15.3	15.2	15.1	15.0	14.9														
145	17.0	16.9	16.8	16.7	16.6														
150	18.5	18.4	18.3	18.2	18.2														
155	19.9	19.8	19.7	19.6	19.6														
160	21.5	21.5	21.3	21.2	21.2														
165	23.2	23.1	23.0	22.9	22.9														
170	24.6	24.6	24.4	24.3	24.3														
175	25.5	25.5	25.4	25.3	25.3														
180	25.9	25.9	25.7	25.7	25.6														

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

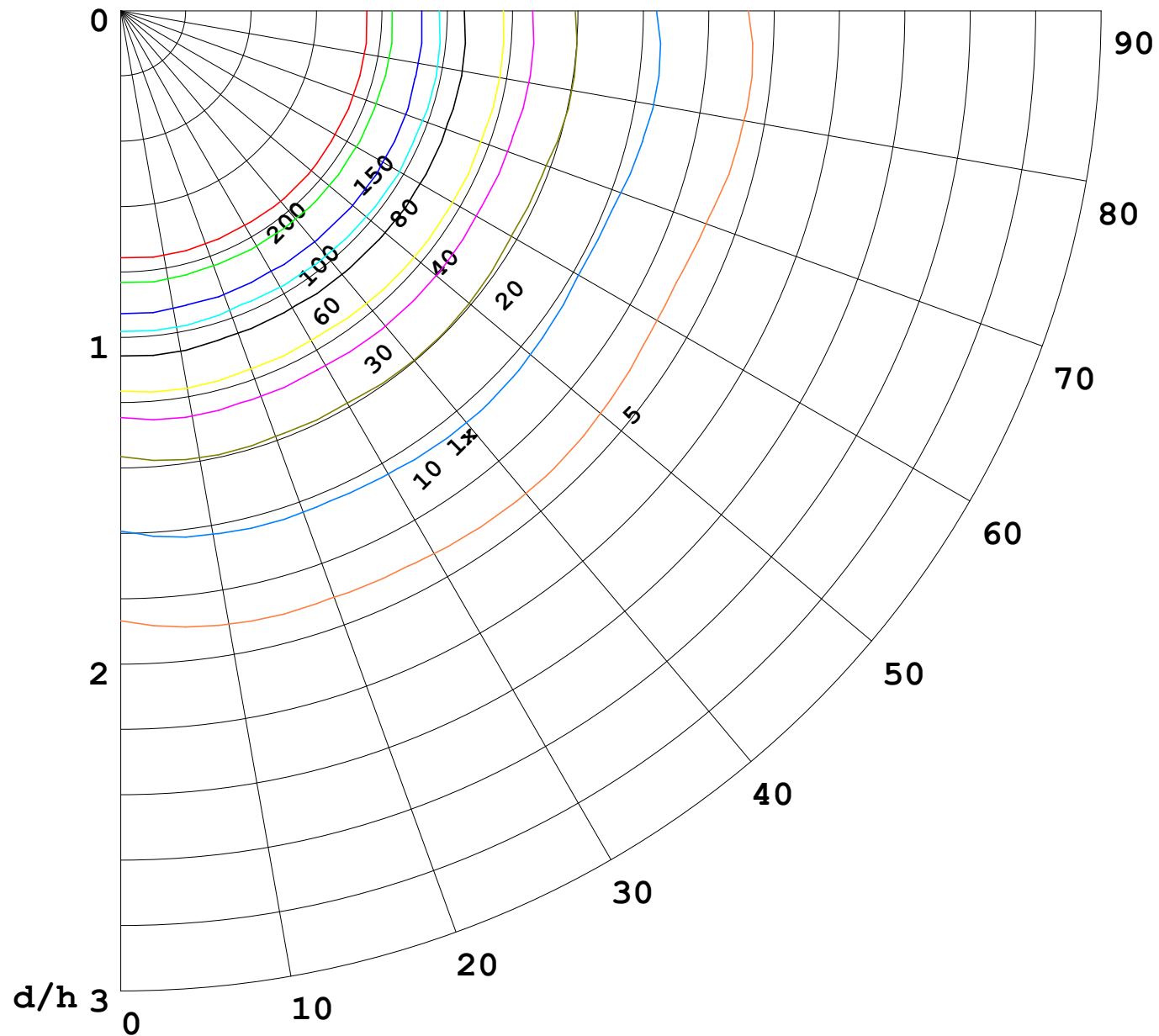
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

