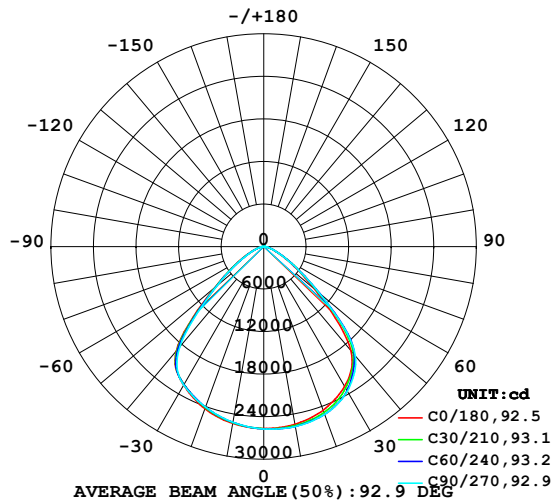


LUMINAIRE PHOTOMETRIC TEST REPORT

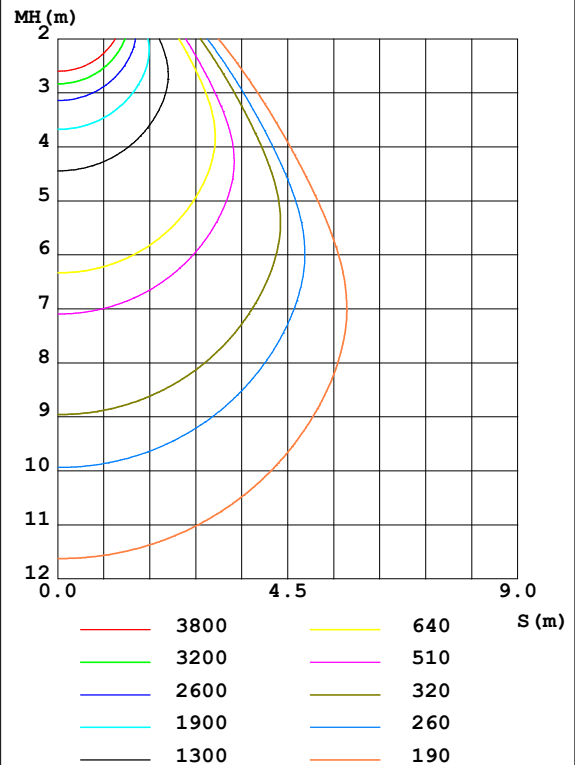
Test:U:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 180.87 lm/W			
MODEL	ASD-UHB2A-HV-NEOX-300BK	I _{max} (cd)	25809	S/MH (C0/180)	1.31
NOMINAL POWER (W)	300	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	54664	η UP, DN (C0-180)	0.5, 50.9
NOMINAL FLUX (lm)	54663.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 48.0
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	98.9	CIBSE SHR MAX	1.35

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: 2025-2-15

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:

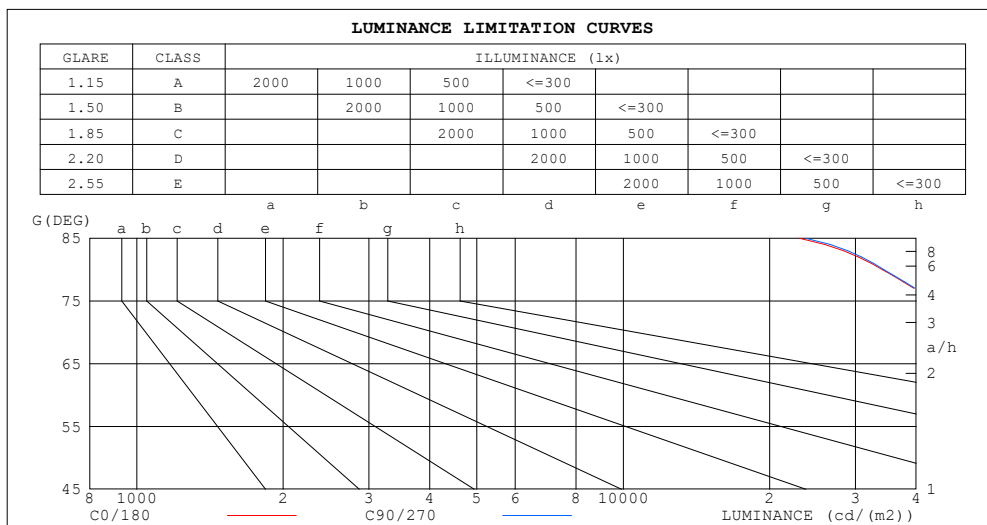
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2544	2570	2575	2562	2532	2517	2515	2527	0- 10	2441	2441	4.47,4.47
20	2454	2507	2517	2484	2433	2409	2408	2425	10- 20	7088	9529	17.4,17.4
30	2279	2336	2357	2314	2258	2245	2256	2268	20- 30	10992	20521	37.5,37.5
40	1912	1989	2010	1966	1921	1880	1844	1845	30- 40	13404	33925	62.1,62.1
50	942.3	1047	1029	977.5	906.3	867.0	870.5	866.9	40- 50	11020	44946	82.2,82.2
60	390.7	427.0	411.2	397.3	381.9	356.5	356.0	358.3	50- 60	5563	50509	92.4,92.4
70	152.5	163.1	156.0	148.6	146.8	135.0	133.9	137.9	60- 70	2432	52941	96.8,96.8
80	47.60	51.71	47.94	45.14	45.11	41.15	41.23	43.54	70- 80	940.0	53881	98.6,98.6
90	0.6765	0.6984	0.6405	0.6426	2.103	2.518	2.152	2.098	80- 90	192.3	54073	98.9,98.9
100	1.551	1.534	1.476	1.485	3.177	3.492	3.295	3.201	90-100	20.50	54094	99,99
110	3.548	3.458	3.387	3.410	5.400	5.856	5.680	5.504	100-110	35.63	54129	99,99
120	6.765	6.638	6.568	6.631	8.924	9.454	9.358	9.118	110-120	61.04	54190	99.1,99.1
130	10.36	10.28	10.29	10.45	12.98	13.42	13.43	13.16	120-130	88.40	54279	99.3,99.3
140	13.45	13.50	13.63	13.93	16.53	16.81	16.77	16.46	130-140	104.5	54383	99.5,99.5
150	16.33	16.52	16.67	17.03	19.30	19.61	19.32	19.03	140-150	103.9	54487	99.7,99.7
160	19.73	20.16	20.25	20.64	22.04	22.39	22.05	21.77	150-160	90.22	54577	99.8,99.8
170	22.48	23.17	23.26	23.57	23.81	24.30	24.01	23.82	160-170	63.43	54641	100,100
180	23.89	24.79	24.64	24.58	23.88	24.79	24.62	24.60	170-180	22.96	54664	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:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23012	23705
80	34102	34346
75	43473	43750
70	55463	56759
65	71990	74491
60	97217	102301
55	133031	141873
50	182376	199130
45	252279	278010

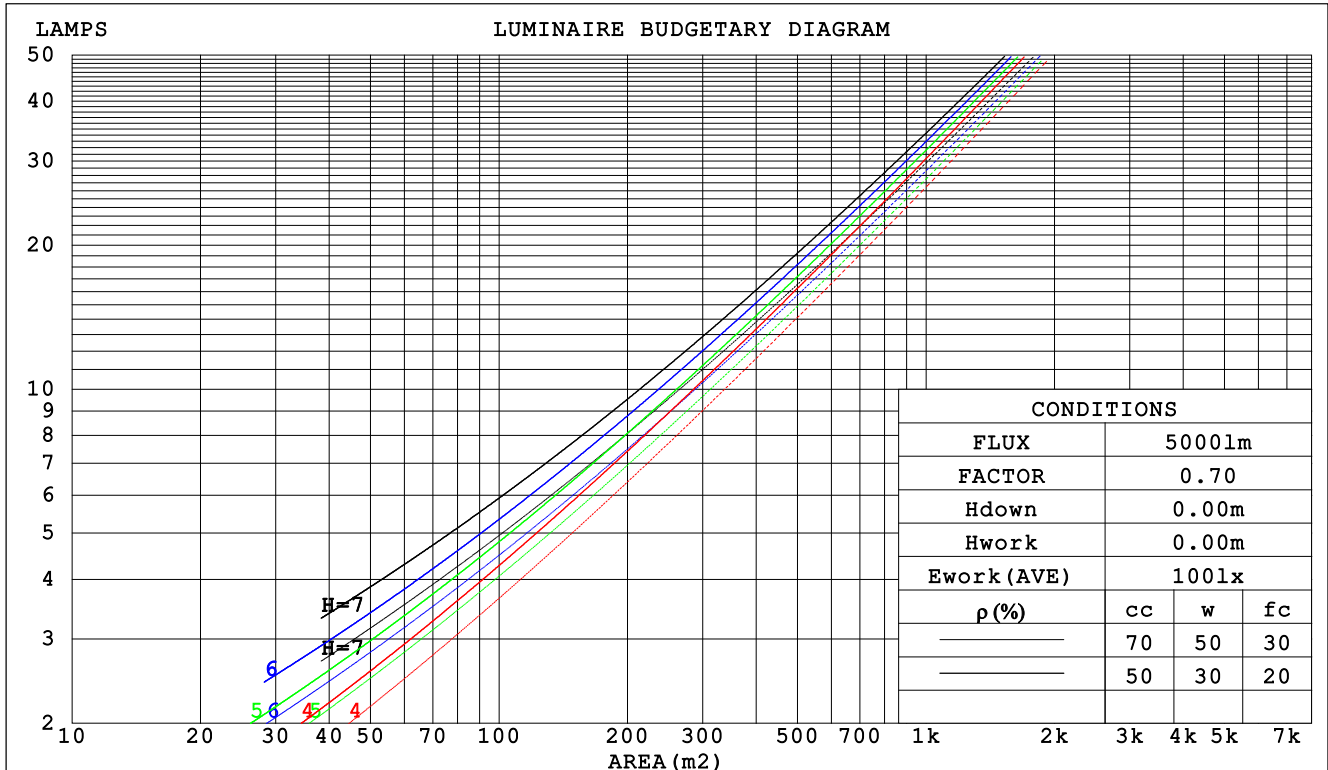
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.96	.91	.86	.95	.90	.85	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.87	.80	.75	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.65	.75	.69	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.58	.70	.63	.57	.68	.62	.57	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.51	.60	.55	.50	.59	.54	.50	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.55	.50	.45	.54	.49	.45	.43
8.0	.54	.47	.42	.54	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.42	.38	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 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	.238	.135	.043	.231	.132	.042	.217	.125	.040	.205	.118	.038	.193	.112	.036		
2.0	.231	.127	.039	.225	.124	.038	.213	.119	.037	.203	.114	.036	.193	.109	.034		
3.0	.220	.117	.035	.215	.115	.035	.205	.111	.034	.195	.107	.033	.186	.103	.032		
4.0	.209	.108	.032	.204	.107	.032	.195	.103	.031	.186	.100	.030	.178	.097	.030		
5.0	.197	.100	.029	.193	.099	.029	.185	.096	.028	.177	.093	.028	.170	.091	.027		
6.0	.186	.093	.027	.182	.092	.026	.175	.090	.026	.168	.087	.026	.162	.085	.025		
7.0	.176	.087	.025	.172	.086	.024	.166	.084	.024	.160	.082	.024	.154	.080	.024		
8.0	.166	.081	.023	.163	.080	.023	.157	.079	.022	.152	.077	.022	.147	.075	.022		
9.0	.158	.076	.021	.155	.075	.021	.150	.074	.021	.145	.072	.021	.140	.071	.021		
10.0	.150	.072	.020	.147	.071	.020	.142	.070	.020	.138	.068	.019	.134	.067	.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	.184	.165	.148	.157	.142	.128	.107	.097	.088	.062	.056	.051	.020	.018	.017	
2.0	.173	.141	.114	.148	.121	.098	.101	.084	.069	.058	.049	.040	.019	.016	.013	
3.0	.163	.122	.090	.140	.106	.078	.096	.073	.055	.056	.043	.032	.018	.014	.011	
4.0	.155	.109	.073	.133	.094	.063	.092	.065	.045	.053	.038	.026	.017	.012	.009	
5.0	.148	.098	.061	.127	.085	.053	.088	.059	.037	.051	.035	.022	.016	.011	.007	
6.0	.141	.089	.052	.122	.077	.045	.084	.054	.032	.049	.032	.019	.016	.010	.006	
7.0	.135	.082	.045	.116	.071	.039	.080	.050	.028	.047	.029	.016	.015	.010	.005	
8.0	.129	.076	.040	.111	.066	.035	.077	.046	.025	.045	.027	.015	.015	.009	.005	
9.0	.124	.071	.036	.107	.062	.031	.074	.044	.022	.043	.026	.013	.014	.008	.004	
10.0	.119	.067	.033	.103	.058	.028	.071	.041	.020	.042	.024	.012	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm										
NAME: ASD-UHB2A-HV-NEOX-300BK					TYPE: NEOX			WEIGHT:		
SPEC.: 300W 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	27.1	28.5	27.5	28.8	29.2	27.1	28.5	27.5	28.8	29.2
3H	27.7	29.0	28.1	29.3	29.7	27.7	28.9	28.1	29.3	29.7
4H	27.9	29.0	28.3	29.4	29.8	27.9	29.0	28.3	29.4	29.8
6H	28.0	29.0	28.4	29.4	29.8	28.0	29.0	28.4	29.4	29.8
8H	28.0	29.0	28.5	29.4	29.8	28.0	28.9	28.4	29.4	29.8
12H	28.0	28.9	28.5	29.3	29.8	27.9	28.9	28.4	29.3	29.7
4H 2H	27.3	28.5	27.8	28.8	29.3	27.3	28.4	27.7	28.8	29.2
3H	28.1	29.0	28.5	29.5	29.9	28.0	28.9	28.4	29.4	29.8
4H	28.3	29.2	28.8	29.6	30.1	28.2	29.1	28.7	29.5	30.0
6H	28.5	29.2	29.0	29.7	30.2	28.4	29.1	28.9	29.6	30.0
8H	28.5	29.2	29.0	29.7	30.2	28.4	29.1	28.9	29.5	30.0
12H	28.5	29.1	29.0	29.6	30.1	28.4	29.0	28.9	29.5	30.0
8H 4H	28.4	29.0	28.9	29.5	30.0	28.2	28.9	28.7	29.4	29.9
6H	28.6	29.1	29.1	29.6	30.2	28.4	29.0	28.9	29.5	30.0
8H	28.6	29.1	29.2	29.7	30.2	28.5	29.0	29.0	29.5	30.0
12H	28.7	29.1	29.2	29.6	30.2	28.5	28.9	29.0	29.4	30.0
12H 4H	28.4	28.9	28.9	29.4	29.9	28.2	28.8	28.7	29.3	29.8
6H	28.6	29.1	29.1	29.5	30.1	28.4	28.9	28.9	29.4	29.9
8H	28.7	29.1	29.2	29.6	30.2	28.5	28.9	29.0	29.4	30.0
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:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

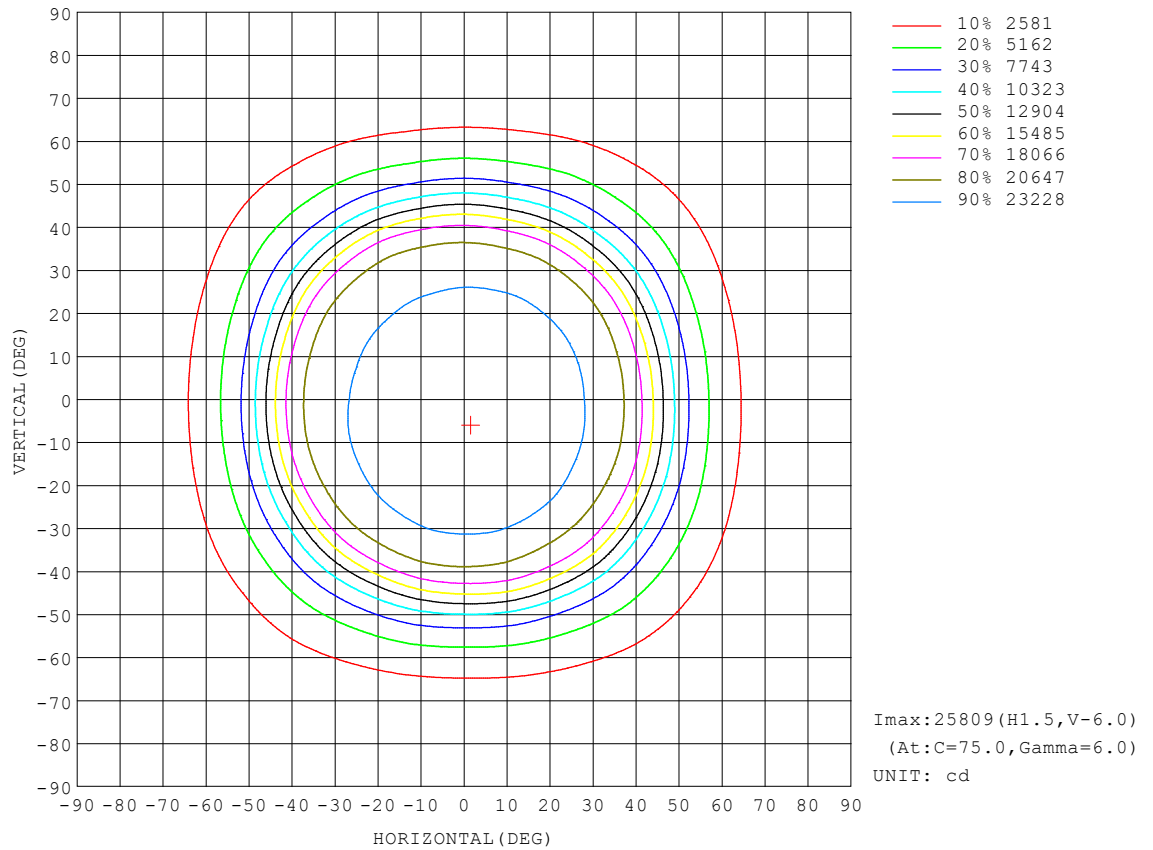
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	58	52	67	57	52	66	57	51	46
0.80	78	68	62	77	68	62	75	67	61	56
1.00	85	77	71	84	76	71	82	77	70	64
1.25	92	84	78	90	83	78	88	82	77	71
1.50	96	89	83	94	88	83	92	86	81	75
2.00	101	95	90	100	94	89	96	92	88	81
2.50	104	98	94	102	97	93	99	94	91	83
3.00	107	102	97	105	100	96	101	97	94	86
4.00	110	105	102	107	104	100	103	100	98	89
5.00	111	108	105	109	106	103	104	102	100	91
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:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

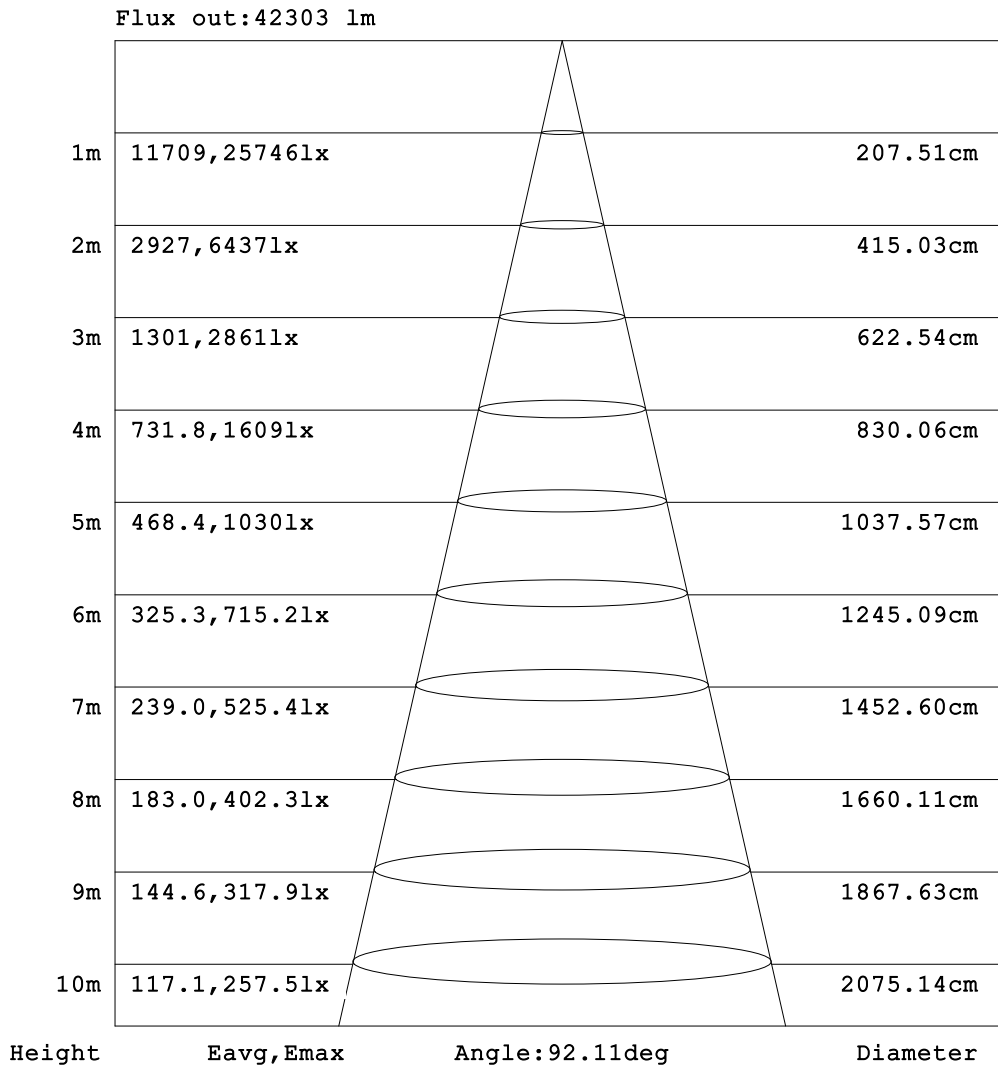


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



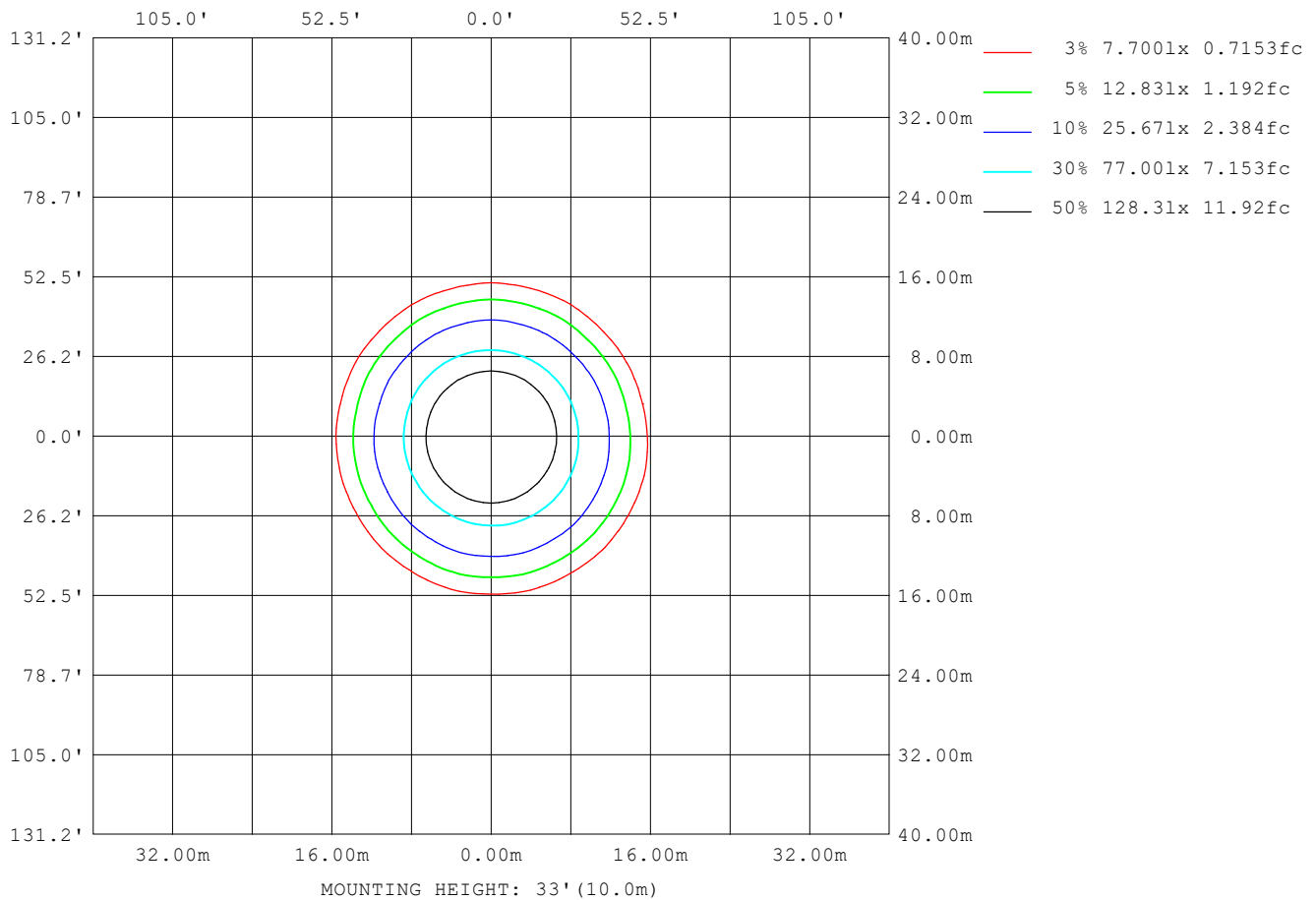
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 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:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

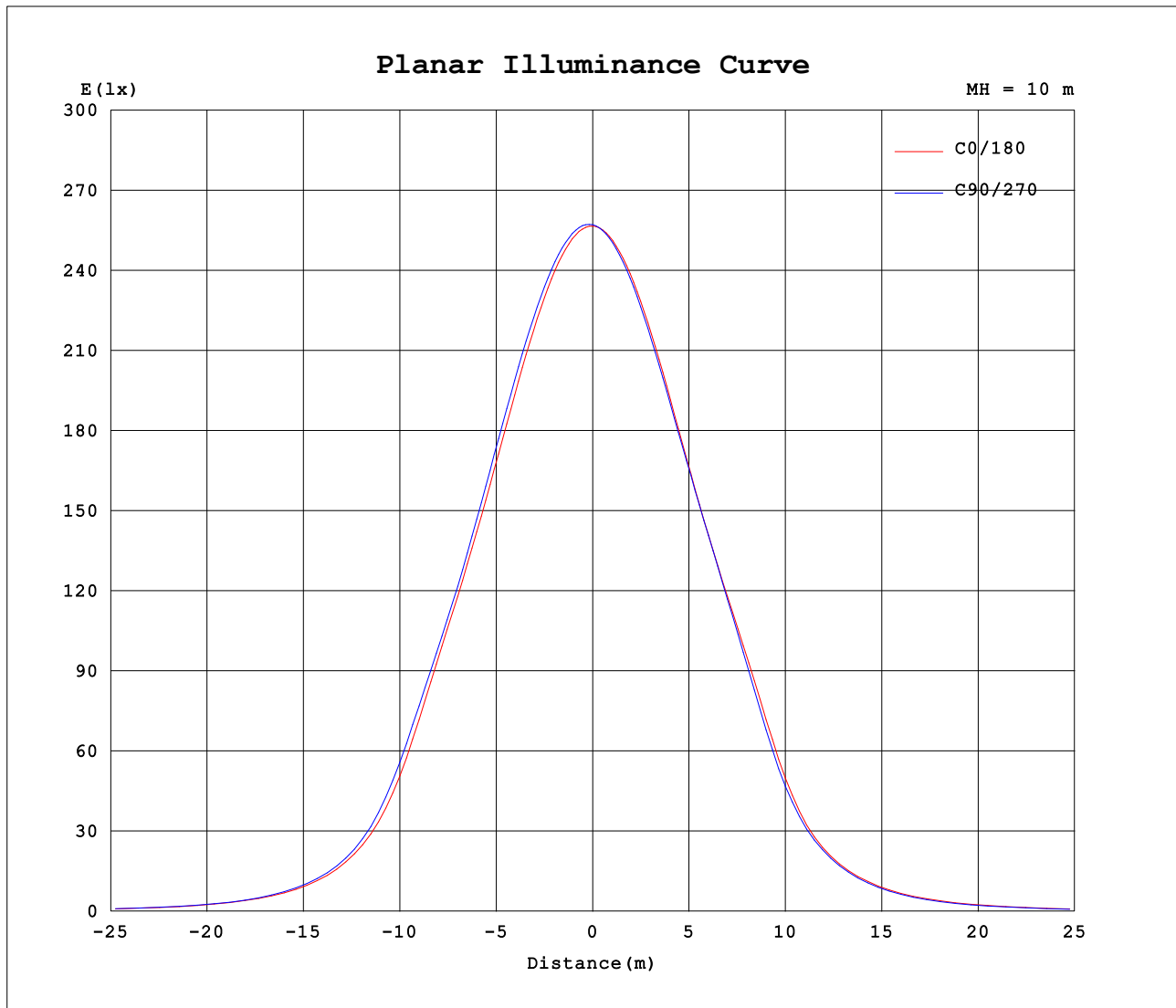
AvgL	cd/m2
L_0~180 (65) av	70910
L_0~180 (75) av	42482
L_0~180 (85) av	22280
L_90~270 (65) av	69264
L_90~270 (75) av	40716
L_90~270 (85) av	22009
L_45 (65) av	70120
L_45 (75) av	41486
L_45 (85) av	22299

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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: 2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	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	2567	2568	2569	2570	2572	2571	2572	2572	2573	2573	2574	2575	2567	2568	2569	2570	2572	2571	2572
5	2563	2568	2573	2577	2580	2581	2580	2579	2577	2575	2572	2569	2556	2553	2552	2550	2551	2549	2550
10	2544	2554	2562	2570	2575	2577	2575	2573	2568	2562	2555	2548	2532	2525	2521	2517	2517	2514	2515
15	2508	2523	2535	2547	2554	2558	2555	2551	2542	2532	2521	2511	2492	2482	2476	2470	2470	2466	2468
20	2454	2474	2490	2507	2516	2521	2517	2510	2497	2484	2467	2455	2433	2421	2416	2409	2409	2405	2408
25	2379	2400	2418	2442	2454	2462	2455	2446	2427	2411	2390	2377	2354	2342	2338	2332	2334	2333	2338
30	2279	2296	2308	2336	2349	2363	2357	2352	2329	2314	2291	2279	2258	2248	2248	2245	2251	2250	2256
35	2146	2159	2163	2181	2191	2213	2214	2215	2195	2184	2165	2159	2145	2136	2139	2133	2138	2125	2126
40	1912	1953	1966	1989	1991	2016	2010	2007	1973	1966	1937	1937	1921	1904	1907	1880	1881	1846	1844
45	1434	1513	1548	1602	1596	1621	1580	1565	1508	1493	1440	1443	1414	1379	1383	1347	1355	1318	1328
50	942	991	1006	1047	1037	1055	1029	1030	992	977	935	930	906	882	893	867	876	859	870
55	613	646	653	671	661	670	654	662	639	630	606	602	594	580	585	566	571	556	567
60	391	413	417	427	420	421	411	414	400	397	379	384	382	366	371	357	360	347	356
65	245	257	258	264	259	260	253	253	246	245	230	237	237	227	228	220	221	213	218
70	152	160	160	163	160	159	156	154	151	149	141	146	147	141	140	135	134	131	134
75	90.4	95.3	94.4	97.6	93.8	94.7	91.0	90.8	88.0	86.7	81.6	86.1	86.3	82.5	82.1	78.8	79.1	76.7	78.4
80	47.6	50.7	50.0	51.7	49.8	50.4	47.9	48.0	45.5	45.1	42.0	44.5	45.1	42.9	43.0	41.1	41.9	40.3	41.2
85	16.1	18.2	17.7	18.9	17.7	18.3	16.6	16.8	15.1	15.1	13.1	14.0	15.1	13.8	14.4	13.6	14.8	13.6	14.2
90	0.68	0.66	0.66	0.70	0.78	0.70	0.64	0.63	0.65	0.64	0.67	0.68	2.10	2.14	2.16	2.52	2.94	2.56	2.15
95	1.01	0.99	0.99	1.02	1.11	1.02	0.96	0.95	0.97	0.97	1.01	1.02	2.54	2.61	2.62	2.88	3.32	2.98	2.61
100	1.55	1.51	1.52	1.53	1.63	1.53	1.48	1.45	1.49	1.48	1.55	1.57	3.18	3.27	3.30	3.49	3.91	3.62	3.29
105	2.37	2.31	2.32	2.32	2.44	2.31	2.26	2.23	2.28	2.27	2.37	2.40	4.11	4.24	4.29	4.49	4.83	4.59	4.30
110	3.55	3.47	3.48	3.46	3.59	3.44	3.39	3.34	3.42	3.41	3.54	3.58	5.40	5.58	5.63	5.86	6.13	5.93	5.68
115	5.05	4.95	4.96	4.92	5.07	4.90	4.85	4.80	4.90	4.89	5.05	5.09	7.03	7.25	7.31	7.54	7.74	7.60	7.40
120	6.76	6.66	6.66	6.64	6.79	6.62	6.57	6.52	6.63	6.63	6.81	6.86	8.92	9.17	9.23	9.45	9.59	9.50	9.36
125	8.58	8.48	8.47	8.46	8.64	8.48	8.42	8.39	8.51	8.53	8.71	8.77	11.0	11.2	11.3	11.5	11.5	11.5	11.4
130	10.4	10.3	10.3	10.3	10.5	10.3	10.3	10.3	10.4	10.4	10.6	10.7	13.0	13.2	13.3	13.4	13.4	13.4	13.4
135	11.9	11.9	11.9	12.0	12.2	12.1	12.0	12.1	12.2	12.3	12.5	12.5	14.9	15.1	15.1	15.2	15.1	15.2	15.2
140	13.5	13.3	13.4	13.5	13.8	13.7	13.6	13.7	13.9	13.9	14.1	14.2	16.5	16.7	16.8	16.8	16.6	16.7	16.8
145	14.9	14.7	14.8	15.0	15.4	15.3	15.1	15.2	15.4	15.5	15.7	15.8	18.0	18.2	18.2	18.2	18.0	18.1	18.1
150	16.3	16.2	16.3	16.5	17.0	16.9	16.7	16.8	16.9	17.0	17.2	17.4	19.3	19.5	19.6	19.6	19.3	19.4	19.3
155	18.0	17.9	18.0	18.3	18.8	18.7	18.4	18.5	18.7	18.8	19.0	19.2	20.6	20.8	20.9	21.0	20.8	20.8	20.7
160	19.7	19.6	19.8	20.2	20.6	20.5	20.2	20.3	20.5	20.6	20.8	21.0	22.0	22.2	22.3	22.4	22.2	22.2	22.0
165	21.3	21.2	21.4	21.8	22.3	22.2	21.9	22.0	22.2	22.3	22.4	22.6	23.2	23.3	23.4	23.5	23.4	23.3	23.2
170	22.5	22.5	22.7	23.2	23.6	23.5	23.3	23.3	23.5	23.6	23.7	23.8	23.8	24.0	24.2	24.3	24.3	24.2	24.0
175	23.3	23.4	23.6	24.1	24.5	24.4	24.2	24.2	24.3	24.3	24.3	24.4	24.0	24.1	24.4	24.8	24.8	24.7	24.5
180	23.9	24.0	24.3	24.8	25.0	24.9	24.6	24.6	24.6	24.6	24.6	24.7	23.9	24.0	24.3	24.8	25.0	24.9	24.6

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:279.67V I:1.0833A P:302.22W PF:0.9975 Freq:50.01Hz Lamp Flux:54663.7x1 lm		
NAME: ASD-UHB2A-HV-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

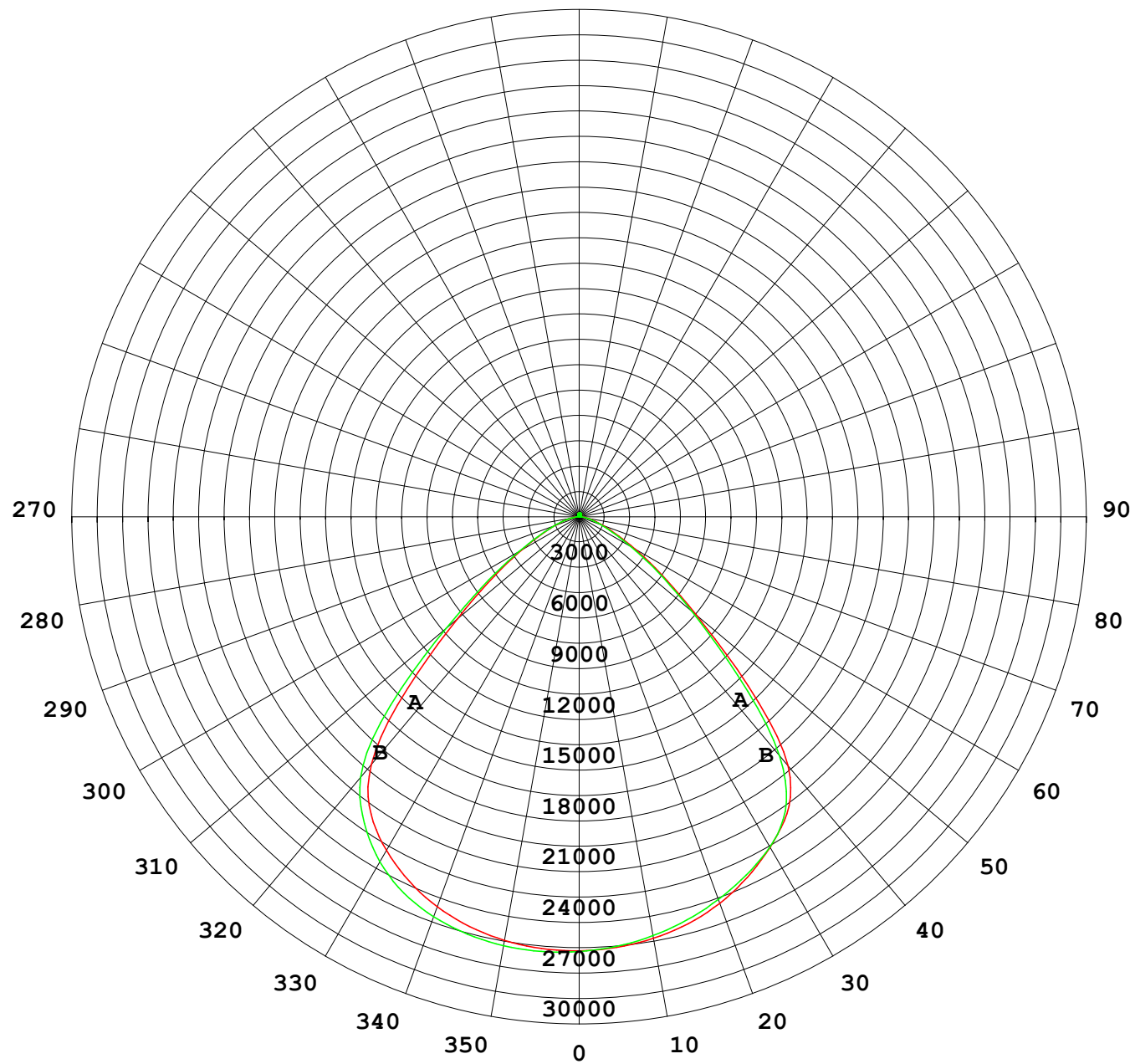
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2572	2573	2573	2574	2575														
5	2551	2555	2558	2562	2566														
10	2517	2523	2527	2536	2543														
15	2470	2478	2483	2494	2504														
20	2410	2420	2425	2436	2446														
25	2341	2350	2355	2365	2372														
30	2258	2266	2268	2276	2279														
35	2120	2133	2133	2144	2146														
40	1825	1848	1845	1877	1889														
45	1301	1319	1316	1369	1392														
50	855	872	867	901	912														
55	556	572	565	586	587														
60	349	363	358	369	371														
65	216	222	224	228	231														
70	131	135	138	142	143														
75	77.3	79.7	82.2	84.8	84.9														
80	40.9	42.5	43.5	45.7	45.6														
85	13.8	14.9	15.0	16.7	16.4														
90	2.15	2.10	2.10	2.06	2.06														
95	2.61	2.55	2.55	2.49	2.50														
100	3.29	3.22	3.20	3.13	3.13														
105	4.30	4.19	4.17	4.06	4.07														
110	5.68	5.53	5.50	5.37	5.37														
115	7.40	7.22	7.19	7.01	7.01														
120	9.36	9.16	9.12	8.93	8.91														
125	11.4	11.2	11.2	11.0	10.9														
130	13.4	13.2	13.2	12.9	12.9														
135	15.2	15.0	14.9	14.7	14.7														
140	16.7	16.5	16.5	16.3	16.4														
145	18.0	17.8	17.8	17.6	17.8														
150	19.2	19.0	19.0	18.9	19.0														
155	20.6	20.4	20.4	20.2	20.4														
160	22.0	21.8	21.8	21.7	21.8														
165	23.1	22.9	22.9	22.9	22.9														
170	23.9	23.8	23.8	23.8	23.8														
175	24.4	24.3	24.4	24.3	24.4														
180	24.6	24.5	24.6	24.6	24.7														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

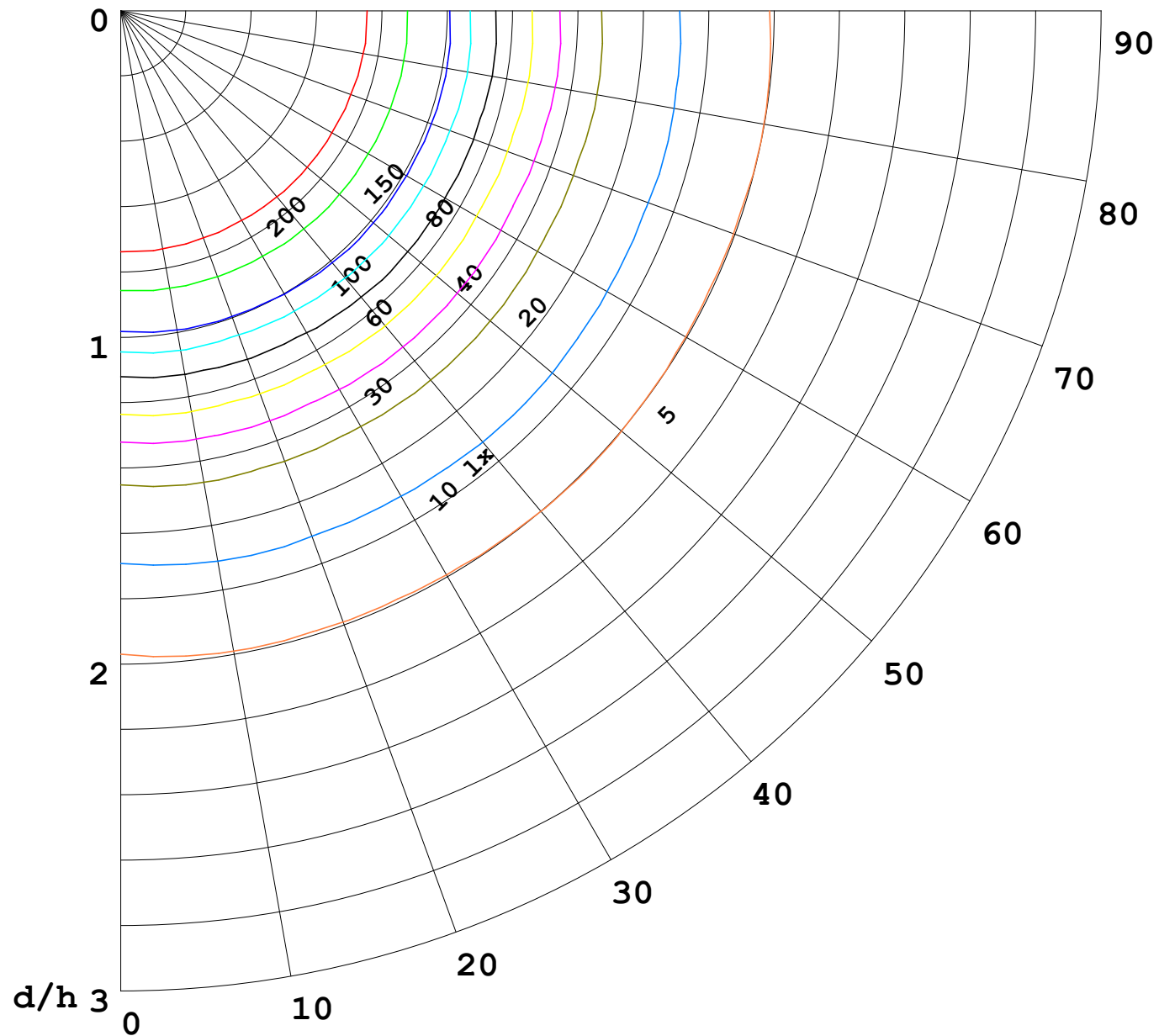
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

