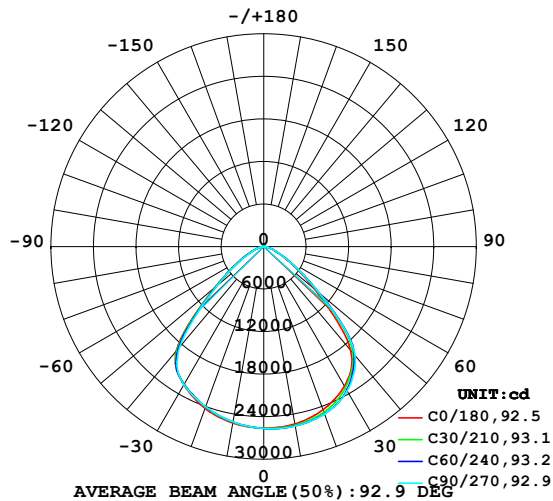


LUMINAIRE PHOTOMETRIC TEST REPORT

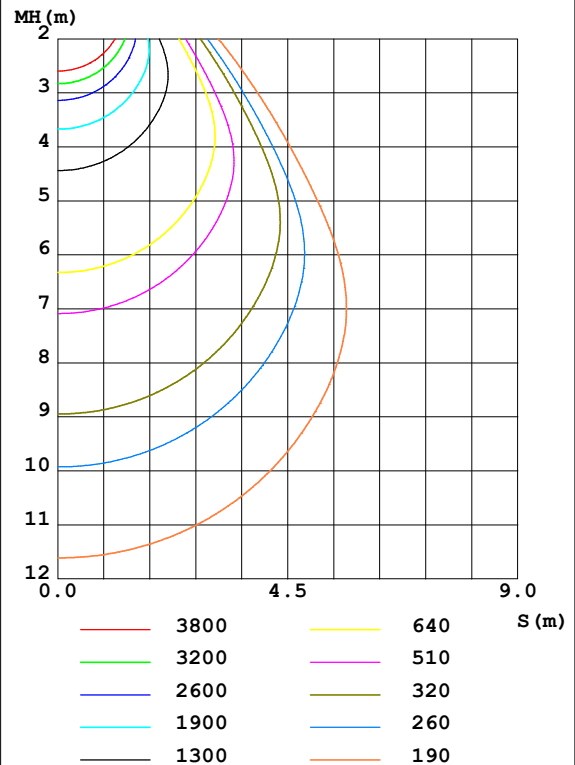
Test:U:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 180.41 lm/W			
MODEL	ASD-UHB2A-NEOX-300BK	I _{max} (cd)	25750	S/MH(C0/180)	1.31
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	54539	η UP,DN(C0-180)	0.5,50.9
NOMINAL FLUX(lm)	54538.5	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)	120	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:

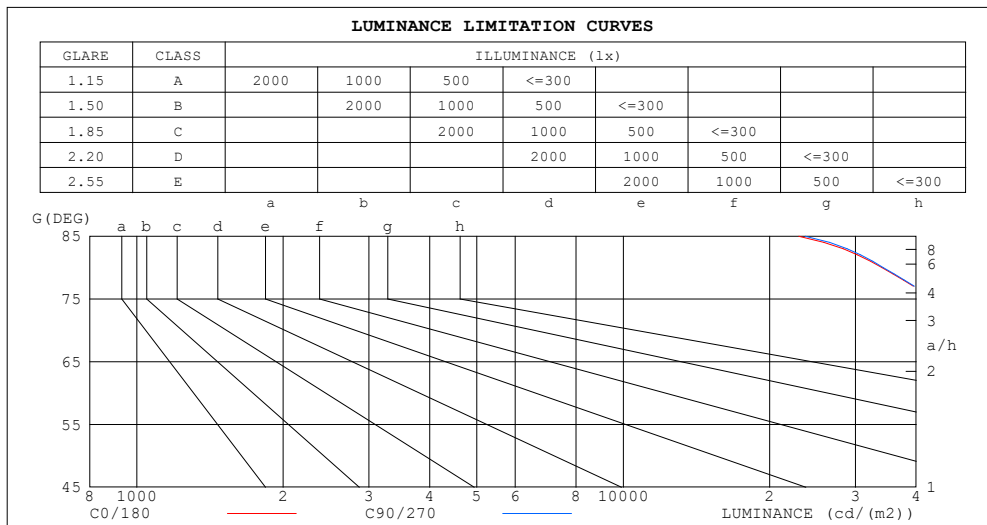
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2538	2564	2569	2556	2526	2511	2510	2522	0- 10	2436	2436	4.47,4.47
20	2449	2501	2511	2478	2427	2403	2403	2420	10- 20	7072	9507	17.4,17.4
30	2274	2331	2351	2308	2253	2240	2251	2263	20- 30	10967	20474	37.5,37.5
40	1907	1984	2006	1961	1917	1876	1840	1841	30- 40	13373	33848	62.1,62.1
50	940.2	1044	1027	975.2	904.2	865.0	868.5	864.9	40- 50	10995	44843	82.2,82.2
60	389.8	426.0	410.2	396.4	381.1	355.7	355.2	357.5	50- 60	5551	50393	92.4,92.4
70	152.1	162.8	155.7	148.2	146.4	134.7	133.5	137.5	60- 70	2426	52820	96.8,96.8
80	47.49	51.59	47.83	45.03	45.01	41.05	41.14	43.44	70- 80	937.9	53757	98.6,98.6
90	0.6749	0.6968	0.6391	0.6411	2.098	2.512	2.147	2.093	80- 90	191.8	53949	98.9,98.9
100	1.547	1.530	1.472	1.481	3.170	3.484	3.287	3.193	90-100	20.45	53970	99,99
110	3.540	3.450	3.379	3.402	5.388	5.843	5.667	5.491	100-110	35.55	54005	99,99
120	6.749	6.622	6.553	6.615	8.904	9.433	9.337	9.097	110-120	60.90	54066	99.1,99.1
130	10.33	10.26	10.27	10.42	12.95	13.39	13.40	13.13	120-130	88.20	54154	99.3,99.3
140	13.42	13.47	13.60	13.90	16.49	16.77	16.73	16.42	130-140	104.3	54259	99.5,99.5
150	16.29	16.48	16.63	16.99	19.26	19.57	19.27	18.98	140-150	103.6	54362	99.7,99.7
160	19.69	20.11	20.20	20.59	21.99	22.34	22.00	21.72	150-160	90.01	54452	99.8,99.8
170	22.43	23.11	23.21	23.51	23.75	24.25	23.96	23.76	160-170	63.28	54516	100,100
180	23.84	24.73	24.58	24.52	23.83	24.73	24.57	24.55	170-180	22.91	54539	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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-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	22960	23651
80	34024	34268
75	43373	43650
70	55336	56629
65	71825	74320
60	96994	102067
55	132727	141548
50	181958	198674
45	251701	277373

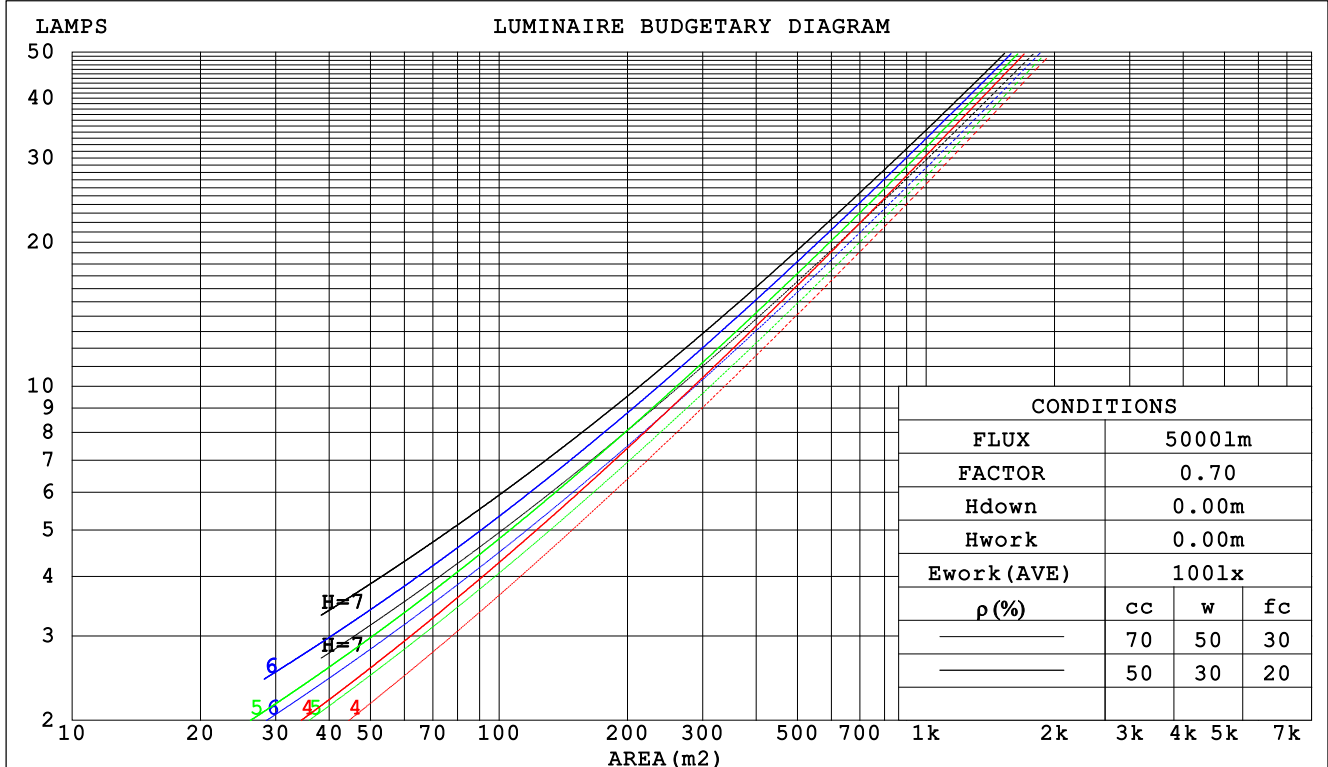
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz										
Lamp Flux:54538.5x1 lm										
NAME: ASD-UHB2A-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	28.9	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	27.9	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	29.3	29.8
12H	28.0	28.9	28.4	29.3	29.8	27.9	28.9	28.4	29.3	29.7
4H 2H	27.3	28.5	27.8	28.8	29.2	27.3	28.4	27.7	28.8	29.2
3H	28.1	29.0	28.5	29.4	29.9	28.0	28.9	28.4	29.3	29.8
4H	28.3	29.2	28.8	29.6	30.1	28.2	29.0	28.7	29.5	30.0
6H	28.5	29.2	29.0	29.7	30.2	28.4	29.1	28.9	29.5	30.0
8H	28.5	29.2	29.0	29.6	30.1	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	30.1	28.4	29.0	28.9	29.5	30.0
8H	28.6	29.1	29.2	29.7	30.2	28.5	28.9	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	28.6	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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

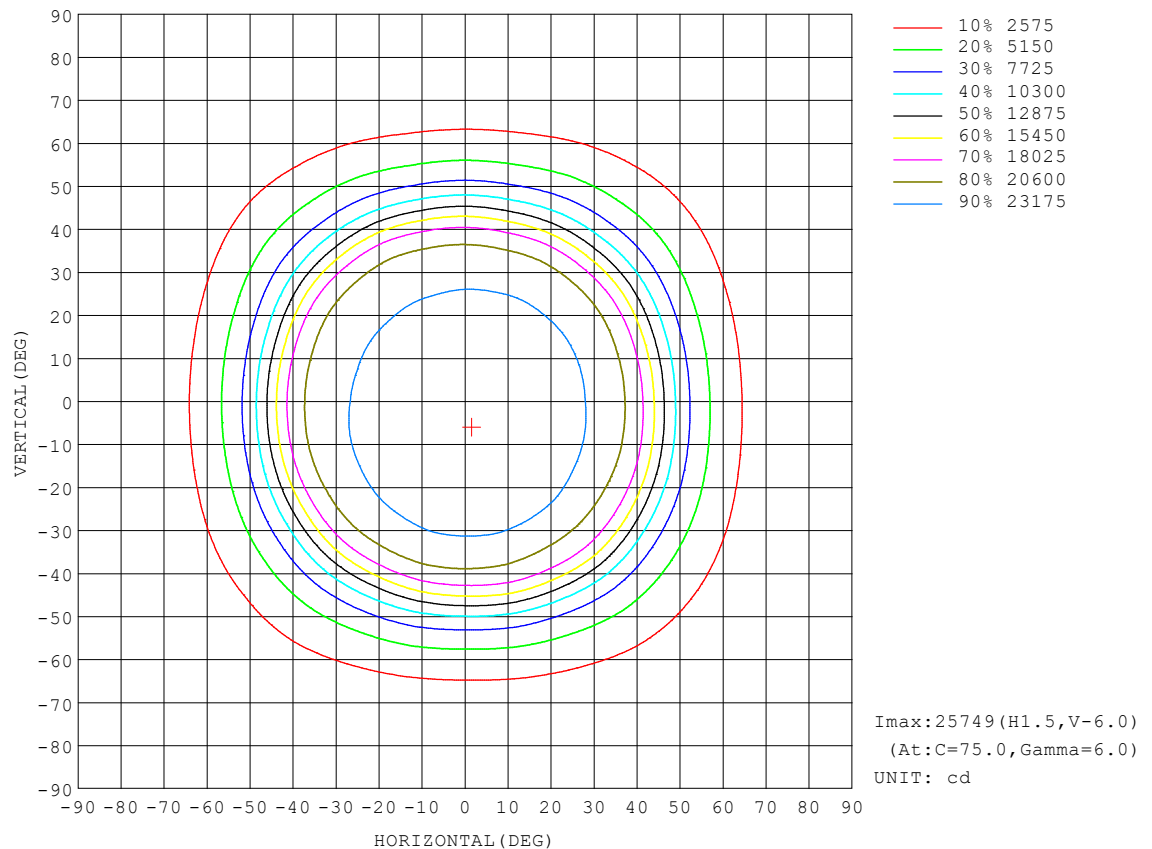
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	58	52	67	57	52	66	57	51	46
0.80	78	68	62	77	68	62	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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

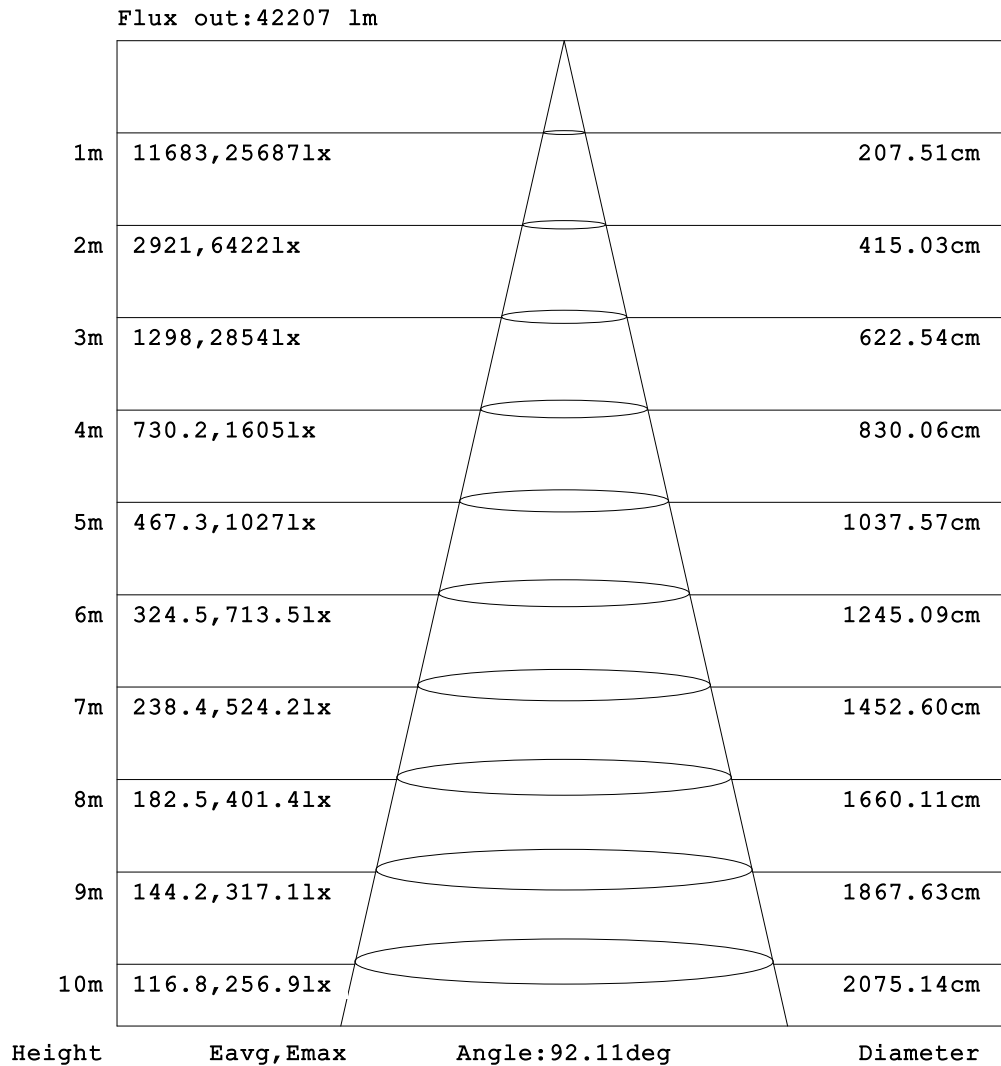


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



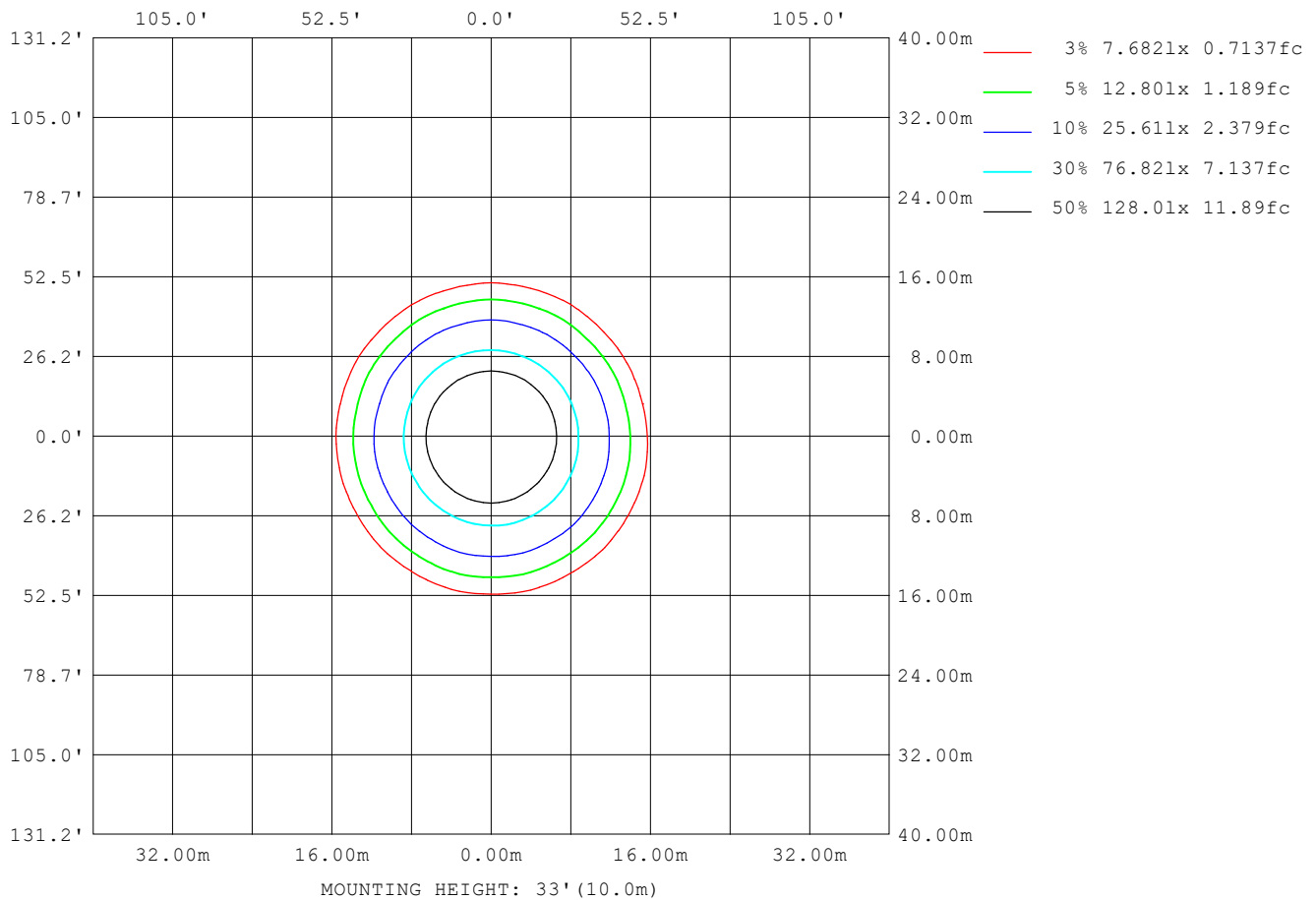
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-NEOX-300BK	TYPE: NEOF	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

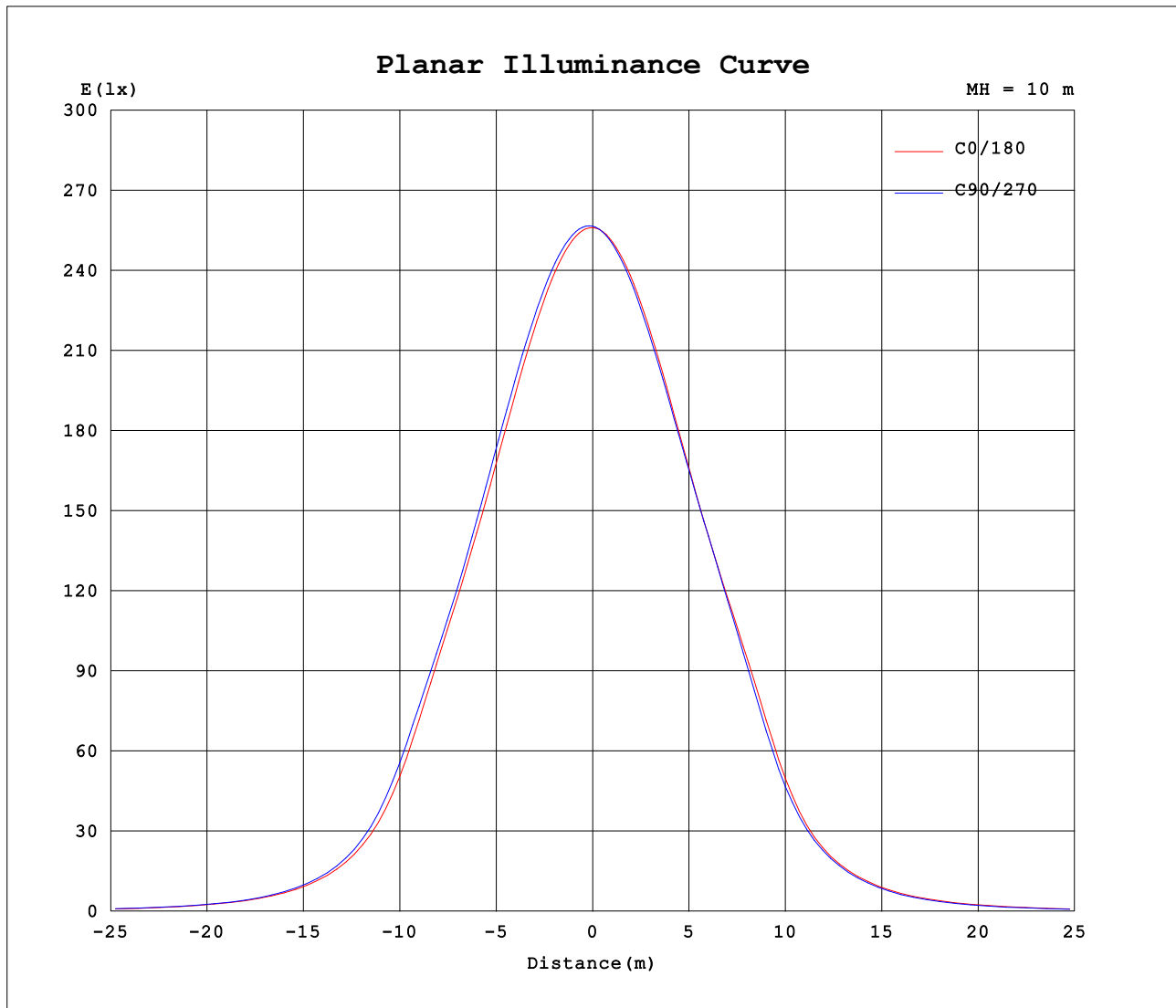
AvgL	cd/m2
L_0~180 (65) av	70747
L_0~180 (75) av	42385
L_0~180 (85) av	22229
L_90~270 (65) av	69106
L_90~270 (75) av	40623
L_90~270 (85) av	21958
L_45 (65) av	69959
L_45 (75) av	41391
L_45 (85) av	22248

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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-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	2561	2562	2563	2564	2566	2565	2566	2566	2567	2567	2568	2569	2561	2562	2563	2564	2566	2565	2566
5	2557	2562	2567	2571	2574	2575	2574	2573	2571	2569	2566	2563	2551	2548	2546	2544	2545	2543	2544
10	2538	2548	2556	2564	2569	2571	2569	2567	2562	2556	2549	2542	2526	2519	2515	2511	2511	2508	2510
15	2503	2518	2530	2541	2548	2552	2549	2545	2536	2527	2515	2505	2486	2476	2471	2465	2464	2460	2463
20	2449	2468	2484	2501	2510	2515	2511	2504	2491	2478	2462	2449	2427	2415	2410	2403	2403	2399	2403
25	2373	2395	2413	2436	2448	2456	2449	2440	2422	2406	2385	2372	2348	2336	2333	2327	2329	2327	2333
30	2274	2290	2303	2331	2343	2357	2351	2346	2324	2308	2286	2274	2253	2243	2243	2240	2246	2245	2251
35	2141	2154	2158	2176	2186	2208	2209	2210	2190	2179	2160	2154	2140	2131	2135	2129	2134	2120	2121
40	1907	1949	1961	1984	1987	2011	2006	2003	1969	1961	1933	1933	1917	1900	1903	1876	1877	1842	1840
45	1431	1509	1544	1598	1592	1618	1577	1562	1505	1489	1437	1439	1411	1376	1380	1344	1352	1315	1325
50	940	989	1004	1044	1034	1053	1027	1027	989	975	933	928	904	880	891	865	874	857	868
55	612	645	651	670	660	668	653	661	638	629	605	601	592	579	583	565	570	554	566
60	390	412	416	426	419	420	410	413	399	396	378	383	381	366	370	356	360	346	355
65	244	257	257	263	258	259	252	252	246	245	230	237	237	226	227	219	220	213	217
70	152	159	160	163	159	159	156	154	150	148	141	146	146	141	139	135	134	130	134
75	90.2	95.1	94.2	97.3	93.6	94.4	90.8	90.6	87.8	86.5	81.4	85.9	86.1	82.3	81.9	78.6	78.9	76.5	78.2
80	47.5	50.6	49.9	51.6	49.7	50.2	47.8	47.9	45.4	45.0	41.9	44.4	45.0	42.8	42.9	41.1	41.8	40.2	41.1
85	16.1	18.2	17.7	18.8	17.6	18.3	16.6	16.7	15.0	15.0	13.1	14.0	15.1	13.8	14.4	13.5	14.8	13.6	14.2
90	0.67	0.66	0.66	0.70	0.77	0.70	0.64	0.63	0.65	0.64	0.67	0.67	2.10	2.14	2.15	2.51	2.94	2.55	2.15
95	1.01	0.99	0.99	1.02	1.10	1.02	0.96	0.95	0.97	0.97	1.00	1.02	2.53	2.60	2.62	2.87	3.31	2.97	2.61
100	1.55	1.51	1.52	1.53	1.63	1.53	1.47	1.45	1.49	1.48	1.55	1.57	3.17	3.26	3.29	3.48	3.90	3.61	3.29
105	2.37	2.31	2.32	2.32	2.43	2.31	2.26	2.23	2.28	2.27	2.36	2.39	4.10	4.23	4.28	4.48	4.81	4.58	4.29
110	3.54	3.46	3.47	3.45	3.58	3.43	3.38	3.33	3.41	3.40	3.53	3.57	5.39	5.57	5.62	5.84	6.11	5.92	5.67
115	5.03	4.94	4.95	4.91	5.06	4.89	4.84	4.79	4.89	4.87	5.04	5.08	7.01	7.24	7.29	7.53	7.72	7.58	7.38
120	6.75	6.65	6.65	6.62	6.77	6.60	6.55	6.51	6.61	6.62	6.80	6.84	8.90	9.15	9.20	9.43	9.57	9.48	9.34
125	8.56	8.46	8.45	8.44	8.62	8.46	8.40	8.37	8.49	8.51	8.69	8.75	10.9	11.2	11.2	11.4	11.5	11.5	11.4
130	10.3	10.2	10.2	10.3	10.5	10.3	10.3	10.3	10.4	10.4	10.6	10.7	12.9	13.2	13.2	13.4	13.4	13.4	13.4
135	11.9	11.9	11.9	11.9	12.2	12.1	12.0	12.0	12.2	12.2	12.4	12.5	14.8	15.0	15.1	15.2	15.1	15.1	15.2
140	13.4	13.3	13.3	13.5	13.8	13.7	13.6	13.7	13.8	13.9	14.1	14.2	16.5	16.7	16.7	16.8	16.6	16.7	16.7
145	14.8	14.7	14.8	14.9	15.3	15.3	15.1	15.2	15.4	15.4	15.6	15.8	17.9	18.1	18.2	18.2	18.0	18.0	18.0
150	16.3	16.2	16.2	16.5	16.9	16.8	16.6	16.7	16.9	17.0	17.2	17.3	19.3	19.4	19.5	19.6	19.3	19.3	19.3
155	18.0	17.9	18.0	18.3	18.7	18.6	18.4	18.5	18.7	18.8	19.0	19.2	20.6	20.8	20.9	21.0	20.7	20.7	20.6
160	19.7	19.6	19.8	20.1	20.6	20.5	20.2	20.3	20.5	20.6	20.8	21.0	22.0	22.2	22.2	22.3	22.1	22.1	22.0
165	21.2	21.2	21.4	21.8	22.2	22.2	21.9	21.9	22.1	22.2	22.4	22.5	23.1	23.2	23.3	23.4	23.3	23.3	23.1
170	22.4	22.4	22.7	23.1	23.5	23.5	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.1	24.2	24.2	24.2	24.0
175	23.3	23.3	23.6	24.1	24.4	24.4	24.1	24.2	24.2	24.2	24.3	24.3	23.9	24.0	24.4	24.7	24.7	24.7	24.4
180	23.8	23.9	24.2	24.7	24.9	24.9	24.6	24.5	24.5	24.5	24.6	24.6	23.8	23.9	24.2	24.7	24.9	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:119.27V I:2.5409A P:302.30W PF:0.9975 Freq:50.01Hz Lamp Flux:54538.5x1 lm		
NAME: ASD-UHB2A-NEOX-300BK	TYPE: NEOX	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

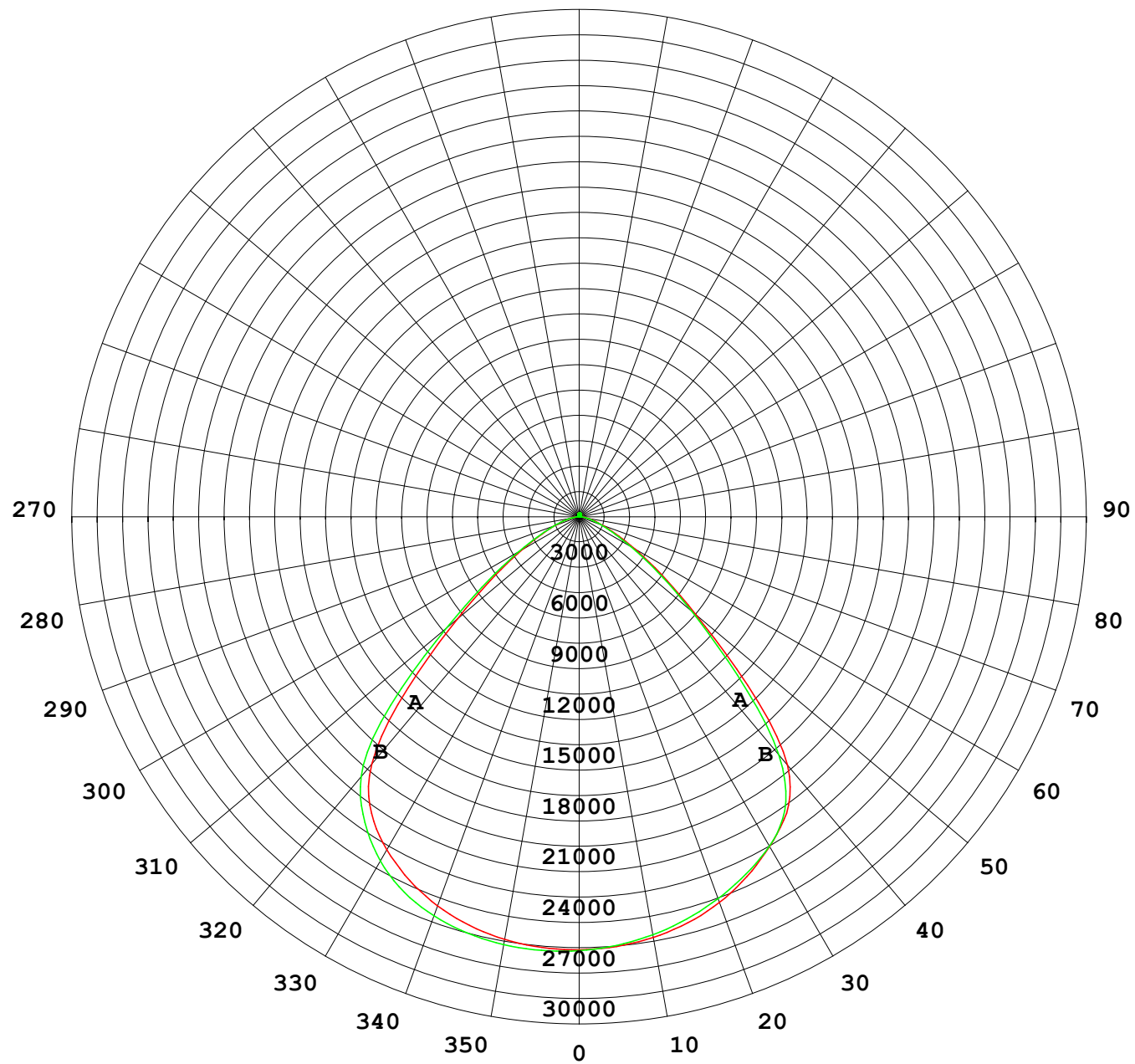
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2566	2567	2567	2568	2569														
5	2545	2549	2552	2556	2560														
10	2511	2517	2522	2530	2537														
15	2464	2472	2478	2489	2498														
20	2405	2414	2420	2431	2441														
25	2336	2345	2350	2359	2367														
30	2253	2261	2263	2270	2273														
35	2115	2128	2128	2139	2141														
40	1821	1844	1841	1872	1885														
45	1298	1316	1313	1366	1389														
50	853	870	865	899	910														
55	555	571	564	584	586														
60	348	362	357	369	370														
65	215	222	224	228	230														
70	131	135	138	141	143														
75	77.1	79.5	82.0	84.7	84.8														
80	40.8	42.4	43.4	45.6	45.5														
85	13.7	14.9	14.9	16.7	16.4														
90	2.14	2.10	2.09	2.05	2.06														
95	2.60	2.55	2.54	2.49	2.50														
100	3.28	3.21	3.19	3.12	3.13														
105	4.29	4.18	4.16	4.05	4.06														
110	5.67	5.52	5.49	5.36	5.36														
115	7.38	7.20	7.17	7.00	6.99														
120	9.34	9.13	9.10	8.91	8.89														
125	11.4	11.2	11.1	10.9	10.9														
130	13.4	13.2	13.1	12.9	12.9														
135	15.1	14.9	14.9	14.7	14.7														
140	16.6	16.5	16.4	16.2	16.3														
145	17.9	17.8	17.7	17.6	17.7														
150	19.2	19.0	19.0	18.8	19.0														
155	20.5	20.3	20.3	20.2	20.3														
160	21.9	21.7	21.7	21.6	21.7														
165	23.0	22.9	22.9	22.8	22.9														
170	23.9	23.8	23.8	23.7	23.8														
175	24.4	24.3	24.3	24.3	24.3														
180	24.5	24.5	24.5	24.5	24.6														

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

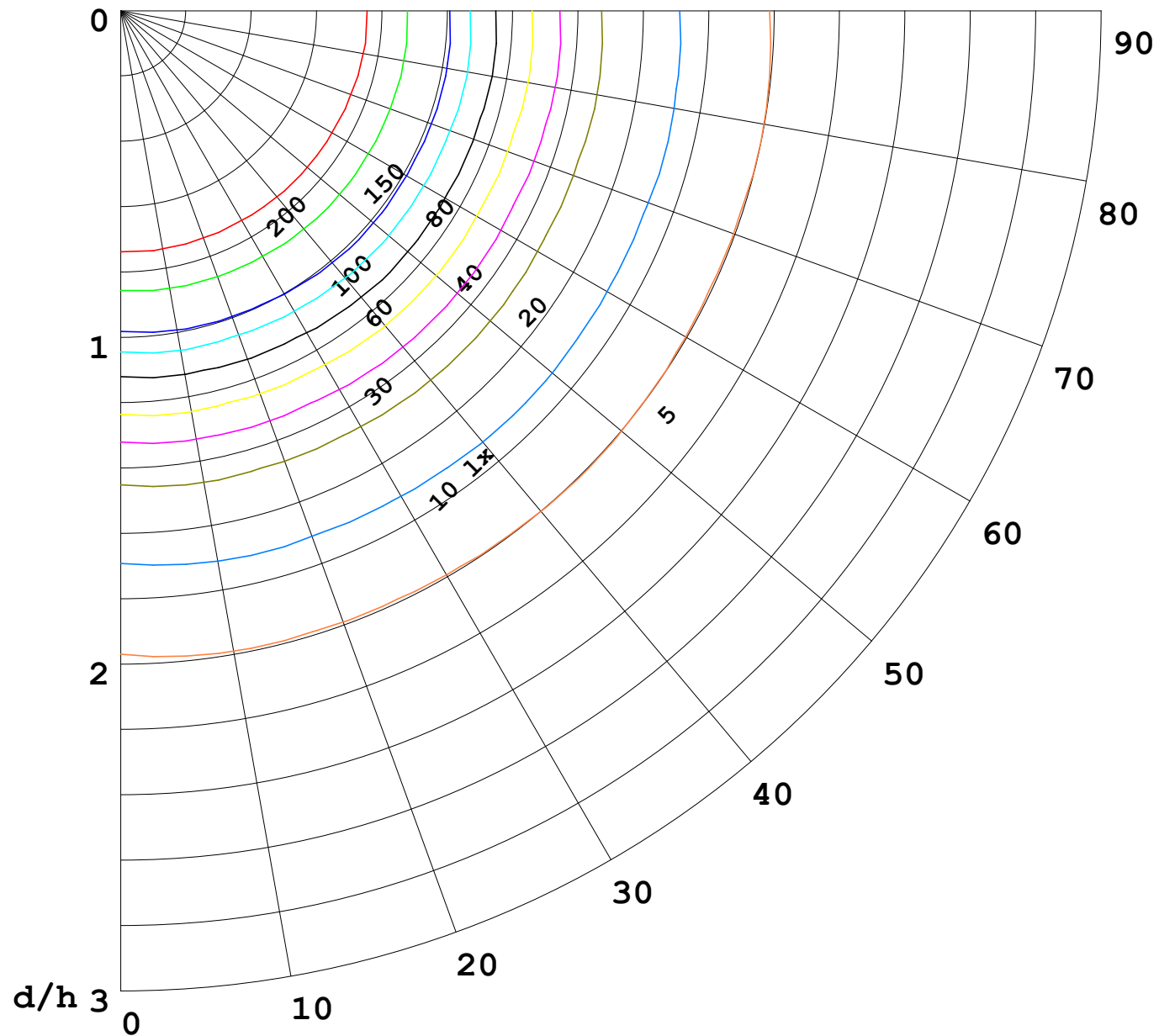
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

