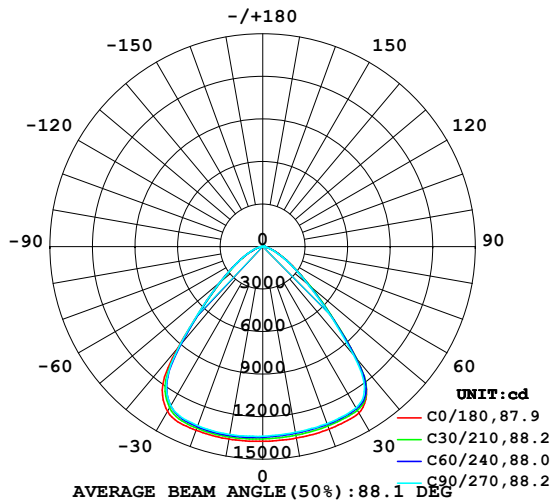


LUMINAIRE PHOTOMETRIC TEST REPORT

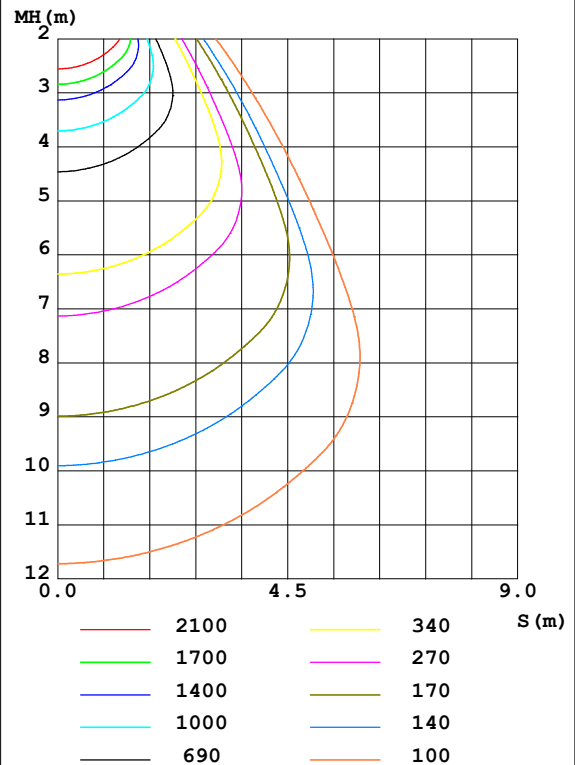
Test:U:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 183.99 lm/W			
MODEL	ASD-UHB2A-HV-NEOX-150BK	I _{max} (cd)	13798	S/MH (C0/180)	1.25
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	28203	η UP, DN (C0-180)	0.5, 50.2
NOMINAL FLUX (lm)	28202.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 48.7
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	98.9	CIBSE SHR MAX	1.30

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:

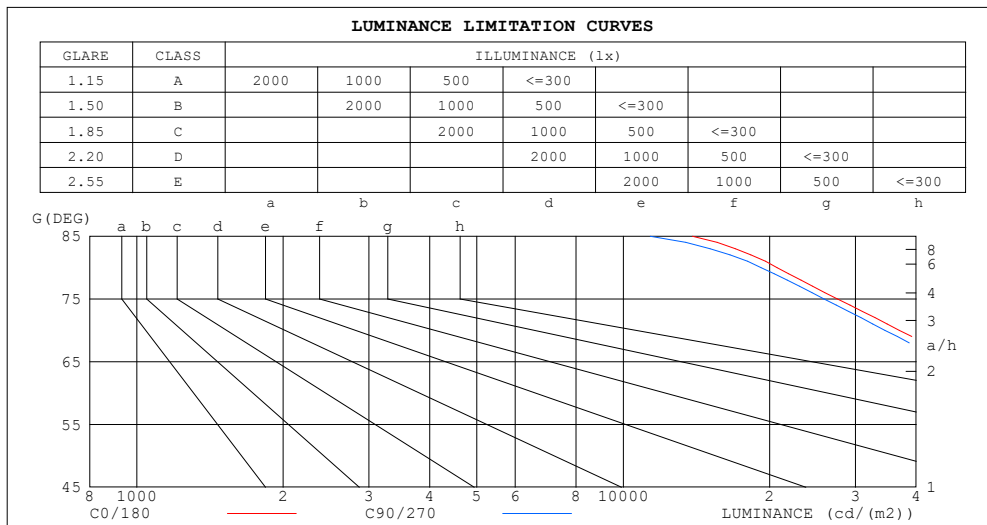
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1371	1343	1330	1328	1378	1358	1345	1334	0- 10	1282	1282	4.55,4.55
20	1369	1340	1327	1327	1378	1356	1343	1333	10- 20	3809	5092	18.1,18.1
30	1356	1327	1314	1308	1343	1301	1297	1302	20- 30	6170	11262	39.9,39.9
40	1022	1038	994.4	946.4	929.2	883.8	913.2	961.0	30- 40	7463	18725	66.4,66.4
50	437.4	441.9	422.7	413.1	397.0	385.2	398.8	402.3	40- 50	4949	23674	83.9,83.9
60	196.1	194.2	185.1	181.3	173.1	171.3	176.8	177.0	50- 60	2497	26172	92.8,92.8
70	77.79	73.47	72.64	70.22	69.74	66.98	72.35	71.16	60- 70	1182	27354	97,97
80	22.12	21.31	20.52	19.46	20.43	19.58	20.95	21.43	70- 80	448.6	27802	98.6,98.6
90	0.3795	0.3778	0.3828	0.3868	1.142	1.117	1.098	1.082	80- 90	85.14	27888	98.9,98.9
100	0.7761	0.7652	0.7869	0.7928	1.662	1.642	1.602	1.578	90-100	10.27	27898	98.9,98.9
110	1.665	1.633	1.681	1.714	2.739	2.723	2.651	2.587	100-110	17.13	27915	99,99
120	3.396	3.297	3.376	3.445	4.668	4.664	4.532	4.419	110-120	29.68	27945	99.1,99.1
130	5.662	5.508	5.584	5.661	7.082	7.035	6.881	6.728	120-130	45.46	27990	99.2,99.2
140	7.872	7.710	7.743	7.789	9.206	9.068	8.927	8.779	130-140	56.62	28047	99.4,99.4
150	9.658	9.544	9.498	9.525	10.76	10.53	10.40	10.27	140-150	57.64	28104	99.7,99.7
160	11.59	11.40	11.36	11.40	12.35	12.10	11.94	11.81	150-160	49.77	28154	99.8,99.8
170	13.43	13.22	13.13	13.12	13.83	13.51	13.37	13.26	160-170	35.39	28190	100,100
180	14.24	14.07	13.87	13.84	14.34	14.02	13.90	13.83	170-180	13.00	28203	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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13873	11369
80	20695	19205
75	27582	25894
70	36954	34508
65	48938	45732
60	63724	60145
55	83234	79878
50	110564	106863
45	153111	149611

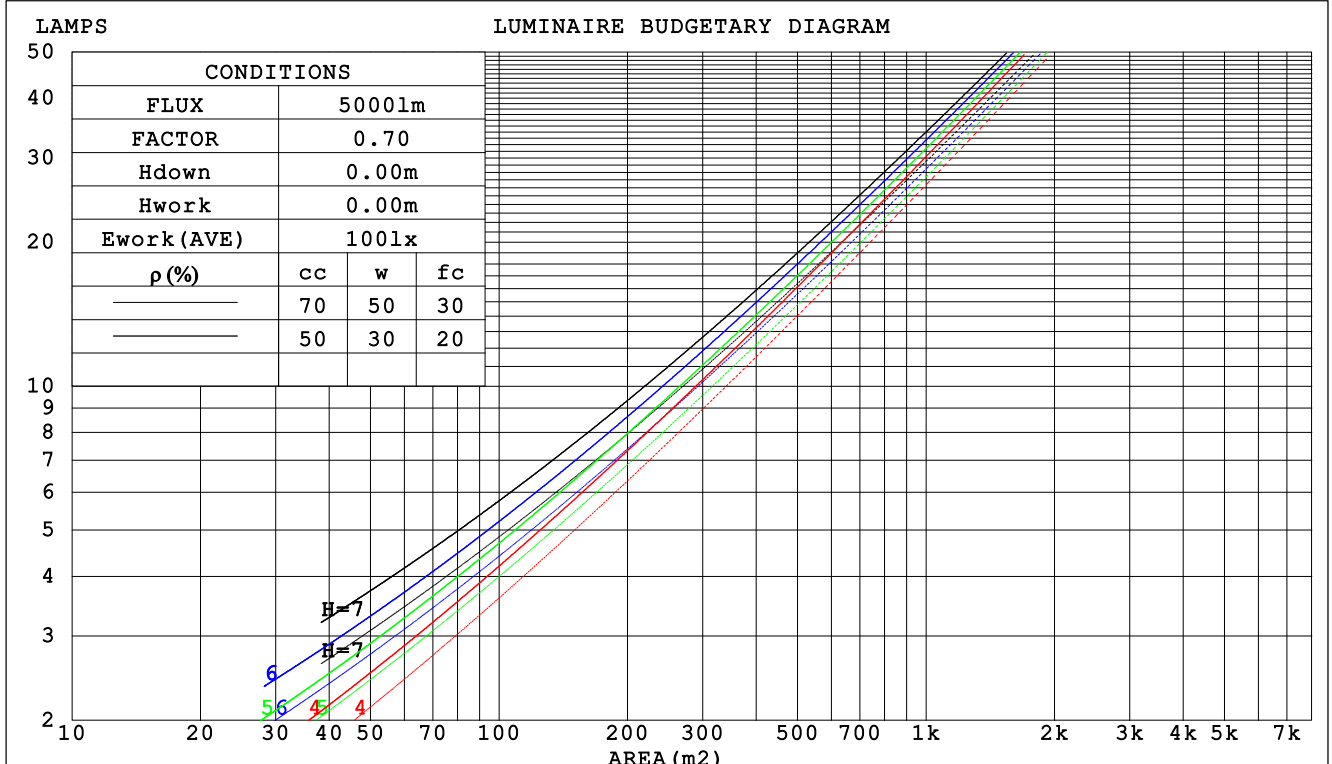
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	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	1.04	1.01	1.05	1.02	.00	1.01	.99	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.88	.85	.82	.85	.83	.80	.78
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.67	.78	.71	.66	.76	.70	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.57	.65	.61	.57	.55
6.0	.66	.58	.53	.65	.58	.53	.63	.57	.52	.62	.56	.52	.60	.55	.51	.49
7.0	.60	.53	.47	.60	.52	.47	.58	.52	.47	.57	.51	.47	.55	.50	.46	.44
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.43	.52	.47	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.37
10.0	.48	.41	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.44	.39	.35	.34



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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 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	.233	.132	.042	.225	.129	.041	.212	.122	.039	.199	.115	.037	.188	.109	.035		
2.0	.226	.124	.038	.220	.121	.037	.208	.116	.036	.197	.111	.035	.187	.106	.033		
3.0	.215	.115	.034	.210	.112	.034	.200	.108	.033	.190	.104	.032	.181	.100	.031		
4.0	.204	.106	.031	.199	.104	.031	.190	.101	.030	.182	.098	.029	.174	.094	.029		
5.0	.193	.098	.028	.188	.097	.028	.180	.094	.028	.173	.091	.027	.166	.089	.027		
6.0	.182	.091	.026	.178	.090	.026	.171	.088	.026	.165	.086	.025	.158	.083	.025		
7.0	.172	.085	.024	.169	.084	.024	.163	.082	.024	.157	.080	.023	.151	.078	.023		
8.0	.163	.080	.022	.160	.079	.022	.155	.077	.022	.149	.076	.022	.144	.074	.022		
9.0	.155	.075	.021	.152	.074	.021	.147	.073	.021	.142	.071	.020	.137	.070	.020		
10.0	.147	.071	.020	.145	.070	.020	.140	.069	.019	.136	.067	.019	.131	.066	.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	.149	.157	.142	.128	.107	.098	.089	.062	.057	.052	.020	.018	.017	
2.0	.172	.141	.115	.147	.121	.099	.101	.084	.069	.058	.049	.041	.019	.016	.013	
3.0	.163	.123	.091	.139	.106	.079	.096	.073	.055	.055	.043	.033	.018	.014	.011	
4.0	.154	.109	.074	.132	.094	.064	.091	.065	.045	.053	.038	.027	.017	.012	.009	
5.0	.147	.098	.062	.126	.085	.054	.087	.059	.038	.050	.035	.022	.016	.011	.007	
6.0	.140	.089	.052	.121	.077	.046	.083	.054	.032	.048	.032	.019	.016	.010	.006	
7.0	.134	.082	.046	.115	.071	.040	.080	.050	.028	.046	.029	.017	.015	.010	.006	
8.0	.129	.076	.040	.111	.066	.035	.077	.046	.025	.045	.027	.015	.014	.009	.005	
9.0	.123	.071	.036	.106	.062	.032	.074	.044	.022	.043	.026	.013	.014	.008	.004	
10.0	.118	.067	.033	.102	.058	.029	.071	.041	.020	.041	.024	.012	.013	.008	.004	

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

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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz										
Lamp Flux:28202.6x1 lm										
NAME: ASD-UHB2A-HV-NEOX-150BK					TYPE: NEOX			WEIGHT:		
SPEC.: 150W 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	25.1	26.4	25.5	26.7	27.1	24.8	26.1	25.2	26.4	26.8
3H	25.8	26.9	26.2	27.3	27.7	25.5	26.6	25.9	27.0	27.4
4H	26.0	27.0	26.4	27.4	27.8	25.6	26.7	26.1	27.1	27.5
6H	26.0	27.0	26.5	27.4	27.8	25.7	26.7	26.1	27.1	27.5
8H	26.0	27.0	26.5	27.4	27.8	25.7	26.6	26.2	27.1	27.5
12H	26.0	26.9	26.5	27.3	27.8	25.7	26.6	26.1	27.0	27.4
4H 2H	25.3	26.4	25.7	26.7	27.1	25.0	26.1	25.4	26.4	26.8
3H	26.1	27.0	26.6	27.4	27.9	25.8	26.7	26.2	27.1	27.5
4H	26.4	27.1	26.8	27.6	28.0	26.0	26.8	26.5	27.3	27.7
6H	26.5	27.2	27.0	27.6	28.1	26.2	26.8	26.6	27.3	27.8
8H	26.5	27.1	27.0	27.6	28.1	26.2	26.8	26.7	27.3	27.8
12H	26.5	27.1	27.0	27.6	28.1	26.2	26.7	26.7	27.2	27.7
8H 4H	26.4	27.0	26.8	27.5	28.0	26.0	26.7	26.5	27.1	27.6
6H	26.5	27.0	27.1	27.6	28.1	26.2	26.7	26.7	27.2	27.7
8H	26.6	27.0	27.1	27.6	28.1	26.2	26.7	26.8	27.2	27.7
12H	26.6	27.0	27.1	27.5	28.1	26.2	26.6	26.8	27.2	27.8
12H 4H	26.3	26.9	26.8	27.4	27.9	26.0	26.6	26.5	27.1	27.6
6H	26.5	27.0	27.0	27.5	28.0	26.2	26.6	26.7	27.1	27.7
8H	26.6	27.0	27.1	27.5	28.1	26.2	26.6	26.7	27.1	27.7
CIE190: 2010										

CIE190: 2010
Area: 0.061544 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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

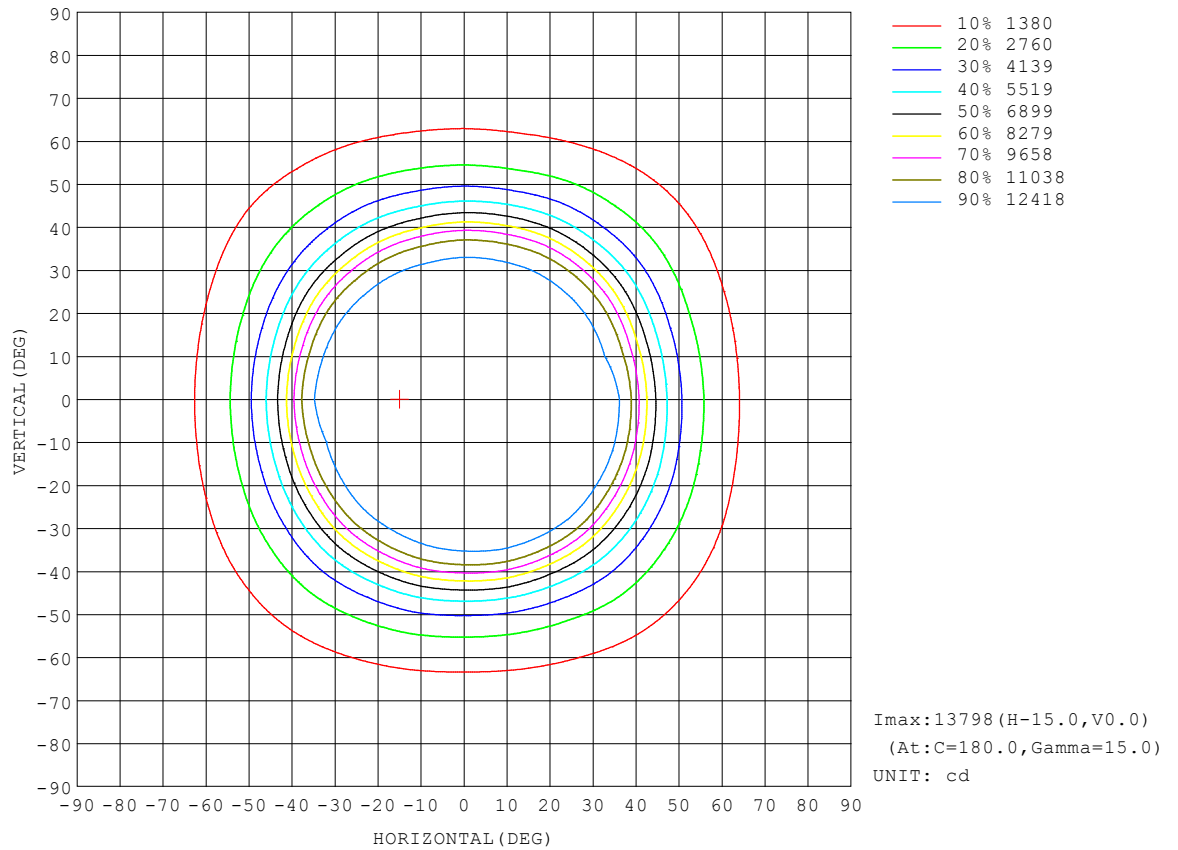
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	61	55	70	61	55	69	60	55	50
0.80	80	71	65	79	71	65	77	70	65	59
1.00	87	79	73	86	78	73	84	79	73	67
1.25	93	86	80	92	85	80	90	83	79	73
1.50	97	90	85	96	89	85	93	88	83	77
2.00	102	96	92	101	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	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:2025-2-15

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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

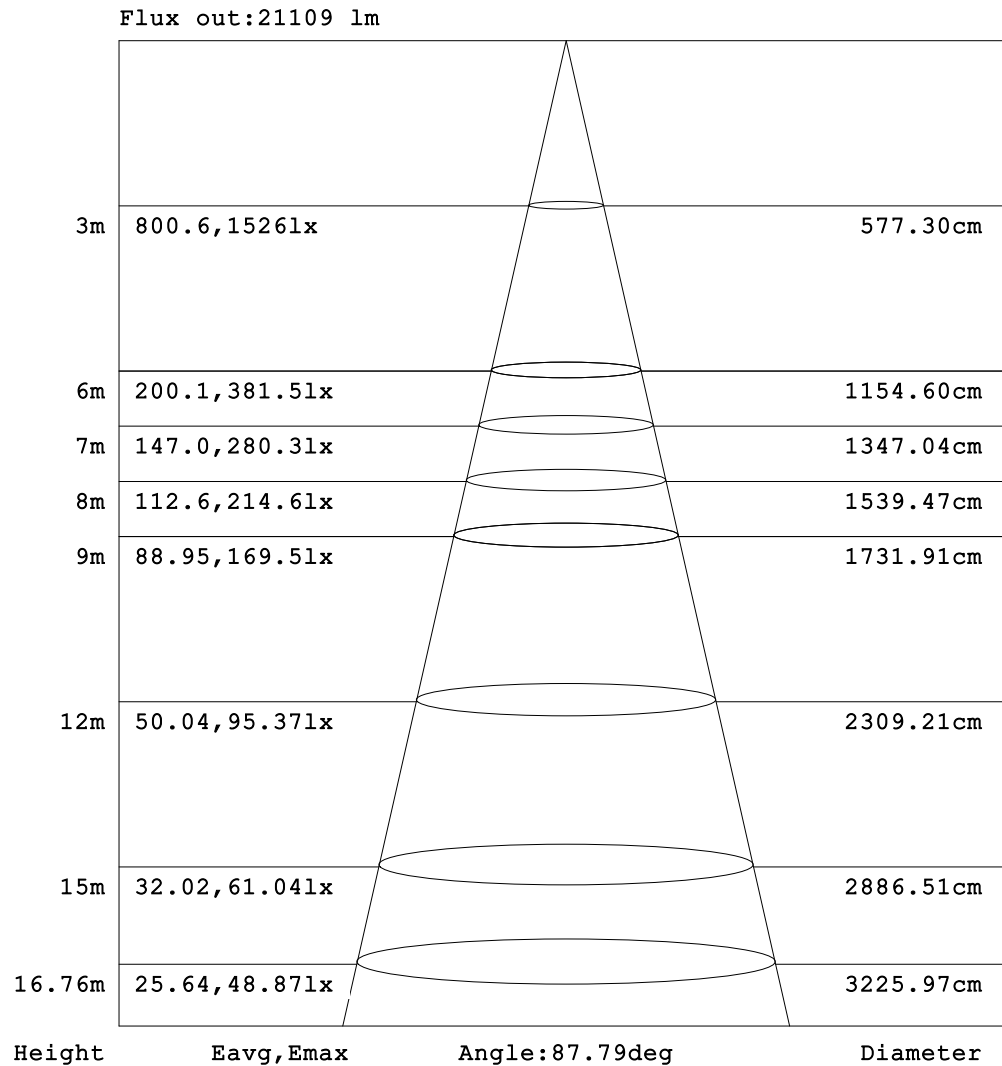


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



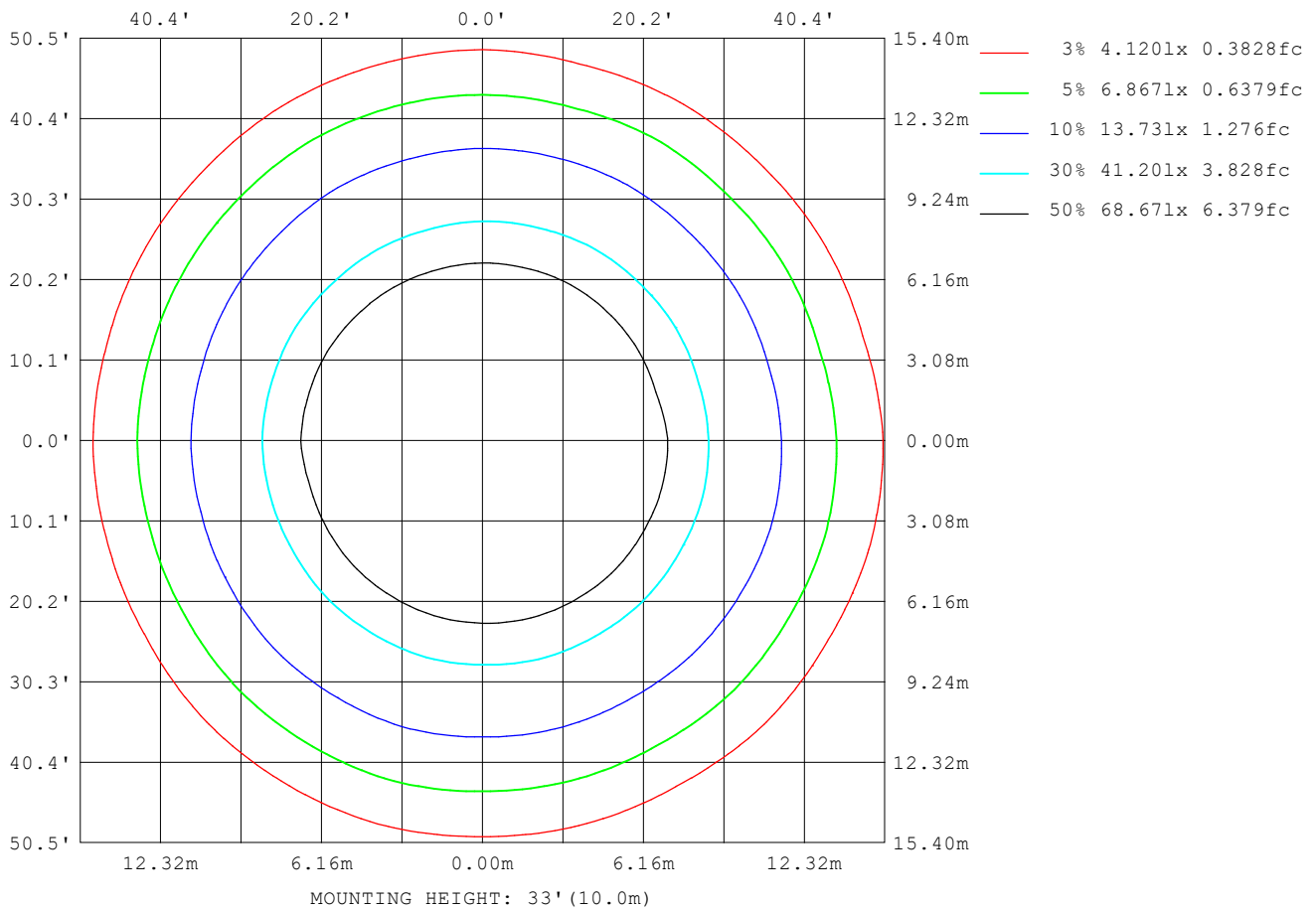
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

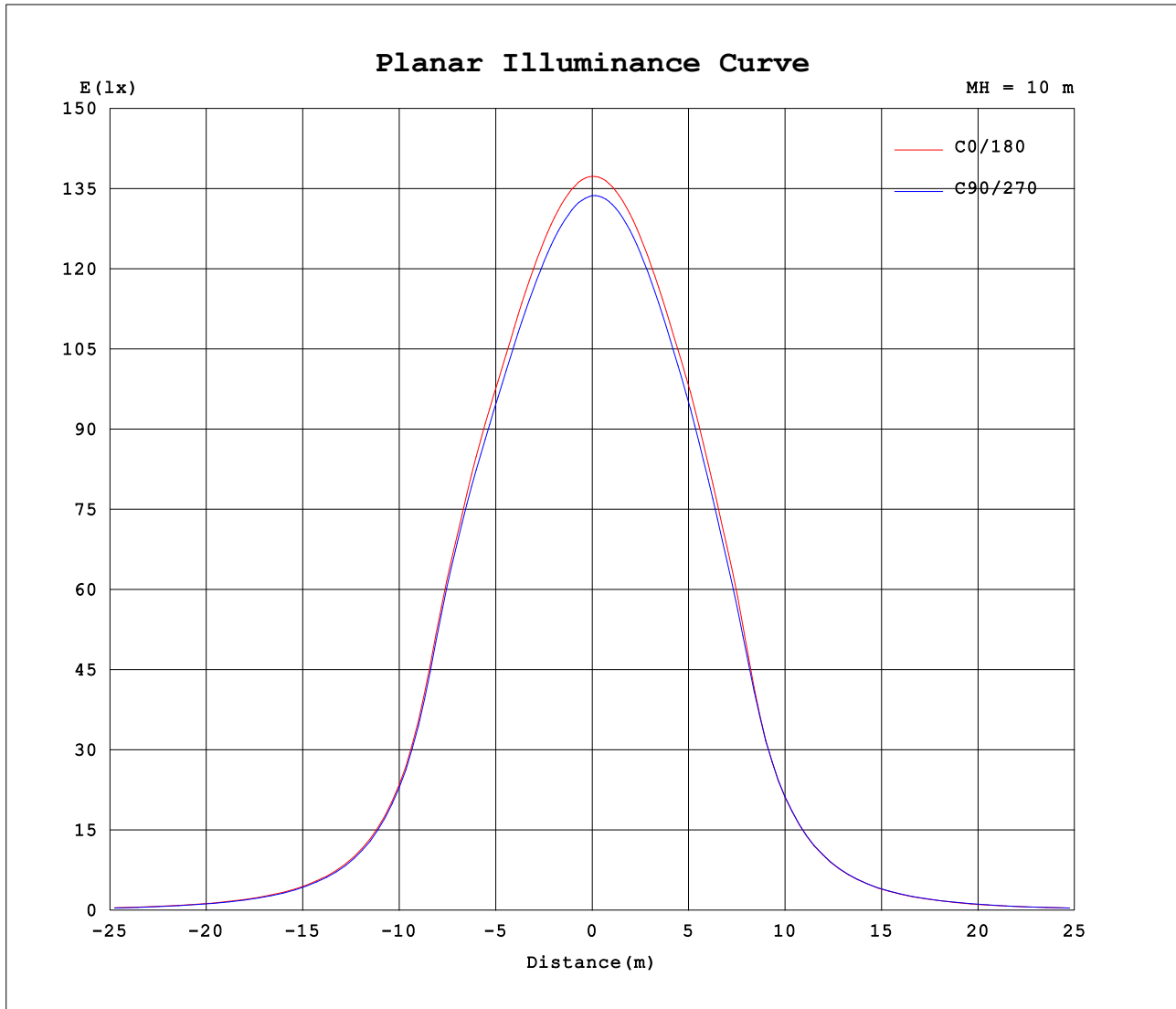
AvgL	cd/m2
L_0~180 (65) av	46036
L_0~180 (75) av	26507
L_0~180 (85) av	13162
L_90~270 (65) av	45077
L_90~270 (75) av	25952
L_90~270 (85) av	12661
L_45 (65) av	44570
L_45 (75) av	25451
L_45 (85) av	12265

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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 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	1373	1364	1356	1350	1345	1341	1337	1334	1332	1330	1328	1327	1373	1364	1356	1350	1345	1341	1337
5	1372	1361	1352	1346	1340	1336	1333	1331	1329	1328	1328	1328	1375	1367	1360	1354	1350	1345	1341
10	1371	1360	1350	1343	1337	1333	1330	1328	1328	1328	1328	1330	1378	1370	1364	1358	1354	1349	1345
15	1371	1359	1348	1341	1335	1331	1329	1327	1327	1328	1329	1330	1380	1371	1365	1360	1355	1350	1347
20	1369	1357	1346	1340	1334	1330	1327	1326	1326	1327	1327	1328	1378	1370	1363	1356	1352	1347	1343
25	1365	1353	1341	1336	1331	1328	1324	1322	1321	1321	1322	1323	1375	1363	1355	1347	1342	1337	1334
30	1356	1345	1334	1327	1322	1318	1314	1312	1310	1308	1304	1300	1343	1324	1313	1301	1298	1294	1297
35	1276	1278	1273	1273	1267	1263	1250	1240	1223	1216	1203	1200	1236	1213	1202	1184	1181	1176	1187
40	1022	1040	1029	1038	1020	1018	994	988	959	946	917	916	929	905	903	884	892	890	913
45	666	684	679	678	662	664	651	653	634	625	604	594	600	587	589	581	591	587	602
50	437	450	445	442	430	429	423	429	417	413	396	390	397	387	386	385	396	392	399
55	294	297	291	293	283	284	282	286	279	275	262	259	262	256	257	257	262	262	264
60	196	197	193	194	188	189	185	188	185	181	174	172	173	169	173	171	175	174	177
65	127	128	124	123	120	119	119	121	118	116	111	110	112	108	112	110	113	114	116
70	77.8	77.7	75.1	73.5	72.1	72.0	72.6	74.0	71.4	70.2	67.8	66.5	69.7	66.3	68.9	67.0	69.2	69.7	72.3
75	43.9	43.8	42.6	42.3	41.2	41.3	41.2	42.4	40.3	39.6	38.5	38.5	40.5	38.7	39.6	38.8	39.6	39.8	41.4
80	22.1	22.2	21.0	21.3	20.7	20.7	20.5	21.0	19.7	19.5	19.0	19.4	20.4	19.6	19.8	19.6	20.0	20.4	20.9
85	7.44	7.51	6.56	6.79	6.47	6.65	6.10	6.36	5.58	5.68	5.34	5.83	6.68	6.14	6.42	6.26	6.92	7.10	7.48
90	0.38	0.38	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.40	1.14	1.13	1.12	1.12	1.11	1.10	1.10
95	0.54	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.55	0.55	0.56	0.56	1.36	1.36	1.34	1.33	1.32	1.32	1.31
100	0.78	0.76	0.77	0.77	0.78	0.78	0.79	0.78	0.79	0.79	0.82	0.82	1.66	1.67	1.65	1.64	1.62	1.62	1.60
105	1.14	1.11	1.12	1.11	1.14	1.13	1.15	1.14	1.16	1.16	1.20	1.20	2.10	2.11	2.09	2.09	2.05	2.06	2.03
110	1.66	1.64	1.64	1.63	1.66	1.66	1.68	1.68	1.71	1.71	1.76	1.76	2.74	2.75	2.73	2.72	2.69	2.69	2.65
115	2.43	2.38	2.39	2.36	2.40	2.39	2.43	2.44	2.49	2.49	2.55	2.55	3.60	3.63	3.60	3.60	3.55	3.55	3.49
120	3.40	3.33	3.33	3.30	3.33	3.32	3.38	3.38	3.44	3.44	3.52	3.52	4.67	4.70	4.66	4.66	4.60	4.60	4.53
125	4.50	4.42	4.41	4.37	4.40	4.38	4.45	4.45	4.52	4.53	4.61	4.61	5.87	5.88	5.84	5.84	5.78	5.77	5.70
130	5.66	5.57	5.56	5.51	5.54	5.52	5.58	5.59	5.66	5.66	5.74	5.74	7.08	7.08	7.04	7.03	6.97	6.96	6.88
135	6.81	6.72	6.69	6.65	6.66	6.65	6.70	6.70	6.76	6.77	6.84	6.84	8.22	8.19	8.15	8.13	8.07	8.05	7.98
140	7.87	7.79	7.75	7.71	7.72	7.71	7.74	7.74	7.79	7.79	7.85	7.85	9.21	9.15	9.11	9.07	9.02	8.99	8.93
145	8.81	8.75	8.70	8.67	8.66	8.65	8.67	8.66	8.70	8.70	8.75	8.74	10.0	9.95	9.91	9.85	9.81	9.77	9.72
150	9.66	9.62	9.57	9.54	9.52	9.50	9.50	9.49	9.52	9.53	9.56	9.57	10.8	10.7	10.6	10.5	10.5	10.4	10.4
155	10.6	10.5	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.5	11.4	11.3	11.2	11.2	11.1	11.1
160	11.6	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	12.3	12.2	12.2	12.1	12.0	12.0	11.9
165	12.6	12.5	12.4	12.4	12.4	12.3	12.3	12.3	12.4	12.4	12.4	12.4	13.2	13.1	13.0	12.9	12.9	12.8	12.8
170	13.4	13.4	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.8	13.7	13.6	13.5	13.5	13.4	13.4
175	14.0	13.9	13.8	13.8	13.7	13.7	13.6	13.6	13.6	13.6	13.6	13.6	14.2	14.0	14.0	13.9	13.8	13.8	13.7
180	14.2	14.2	14.1	14.1	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	14.3	14.2	14.1	14.0	14.0	13.9	13.9

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:278.44V I:0.5518A P:153.29W PF:0.9976 Freq:49.99Hz Lamp Flux:28202.6x1 lm		
NAME: ASD-UHB2A-HV-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

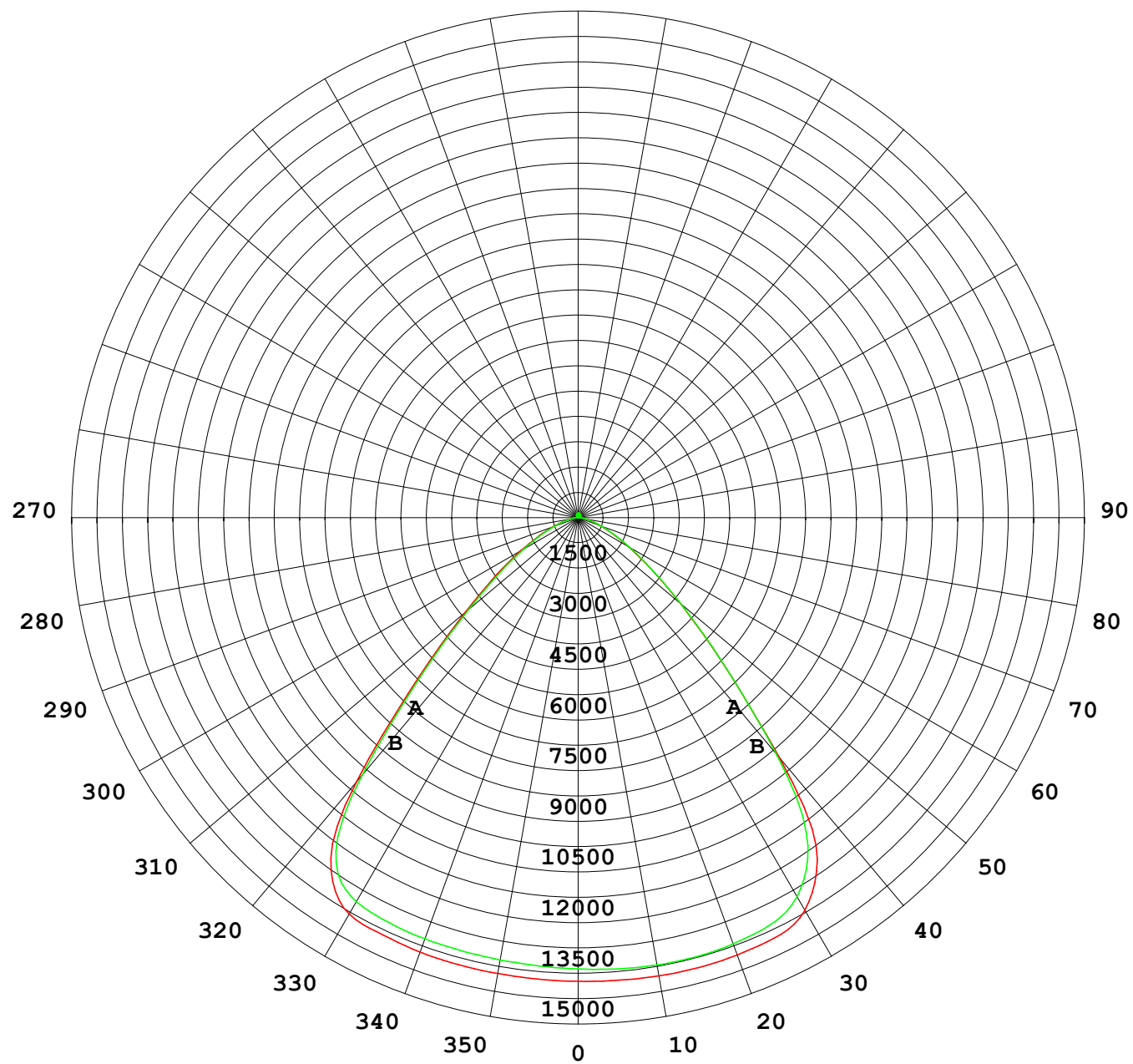
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1334	1332	1330	1328	1327														
5	1338	1335	1332	1330	1327														
10	1342	1338	1334	1331	1327														
15	1343	1339	1335	1332	1328														
20	1340	1336	1333	1330	1326														
25	1331	1330	1327	1325	1321														
30	1297	1300	1302	1307	1306														
35	1192	1207	1210	1219	1220														
40	922	953	961	982	981														
45	609	620	616	635	637														
50	395	408	402	415	416														
55	259	269	268	275	275														
60	172	175	177	183	183														
65	112	112	115	118	120														
70	70.5	69.1	71.2	72.6	74.0														
75	40.9	40.3	41.4	42.3	43.2														
80	20.8	21.0	21.4	22.0	22.3														
85	7.17	7.66	7.59	8.12	8.06														
90	1.10	1.09	1.08	1.07	1.07														
95	1.31	1.29	1.29	1.27	1.26														
100	1.61	1.58	1.58	1.55	1.54														
105	2.04	2.00	1.99	1.95	1.94														
110	2.65	2.61	2.59	2.53	2.51														
115	3.49	3.42	3.40	3.33	3.31														
120	4.53	4.44	4.42	4.32	4.30														
125	5.68	5.58	5.56	5.45	5.43														
130	6.86	6.76	6.73	6.63	6.61														
135	7.95	7.86	7.83	7.74	7.72														
140	8.89	8.82	8.78	8.71	8.68														
145	9.68	9.62	9.58	9.52	9.49														
150	10.4	10.3	10.3	10.2	10.2														
155	11.1	11.0	11.0	10.9	10.9														
160	11.9	11.8	11.8	11.7	11.7														
165	12.7	12.7	12.6	12.6	12.5														
170	13.3	13.3	13.3	13.2	13.2														
175	13.7	13.7	13.6	13.6	13.6														
180	13.9	13.9	13.8	13.8	13.8														

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

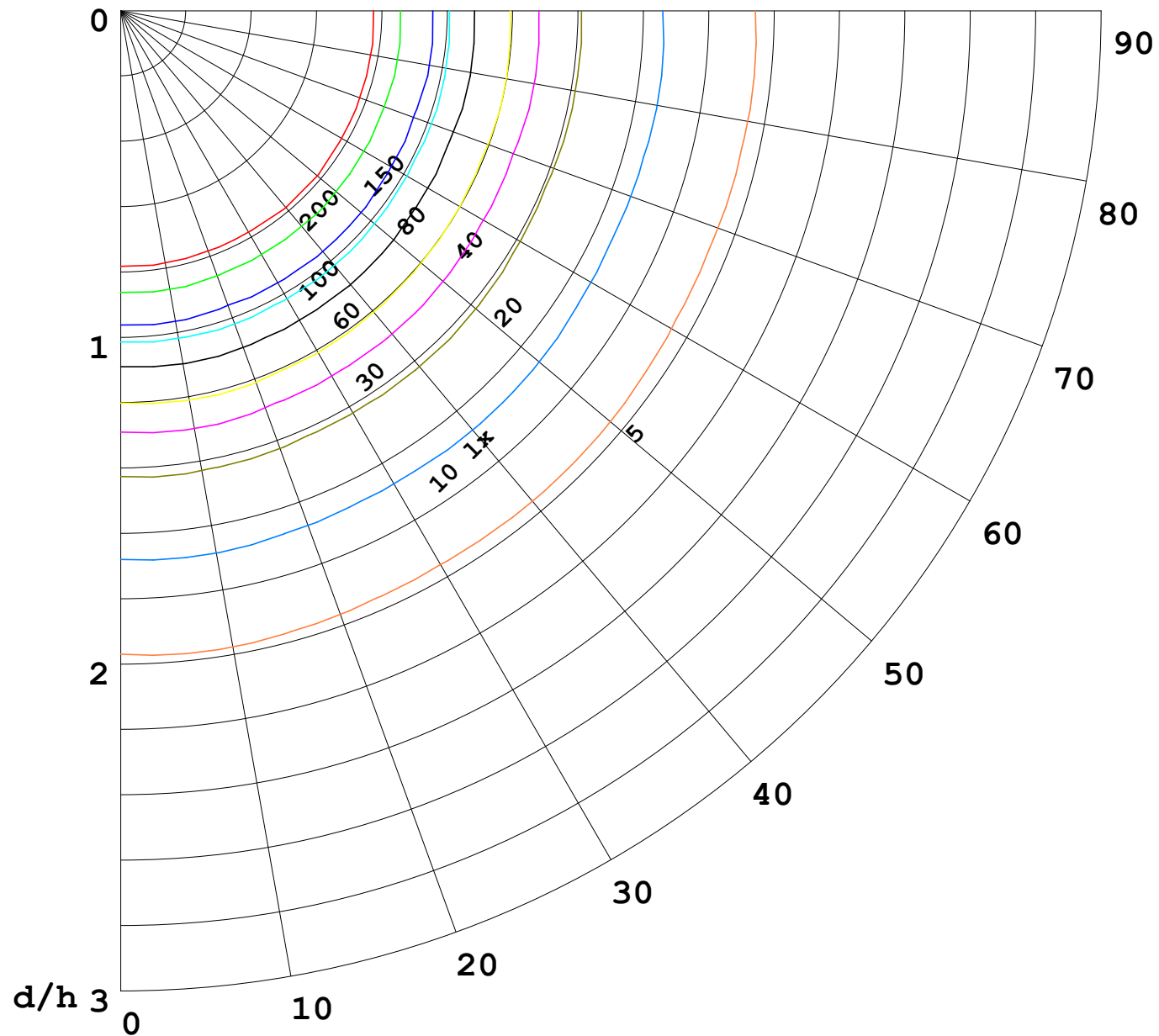
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

