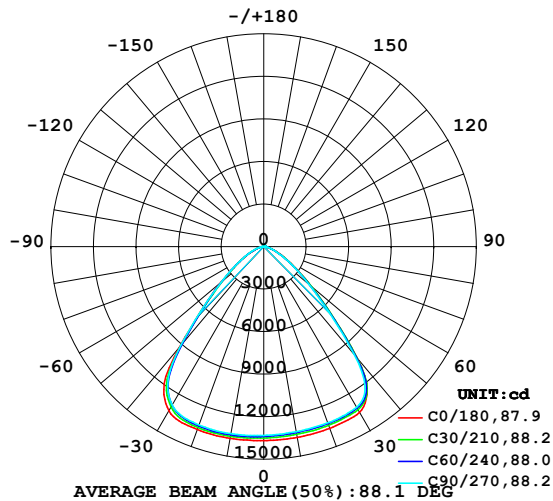


LUMINAIRE PHOTOMETRIC TEST REPORT

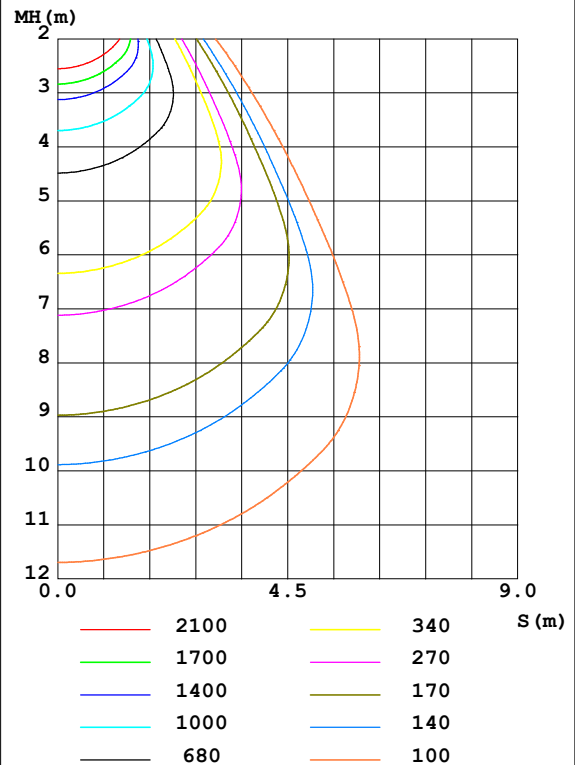
Test:U:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 183.31 lm/W			
MODEL	ASD-UHB2A-NEOX-150BK	I _{max} (cd)	13743	S/MH(C0/180)	1.25
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	28090	η UP,DN(C0-180)	0.5,50.2
NOMINAL FLUX(lm)	28090.2	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)	120	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:

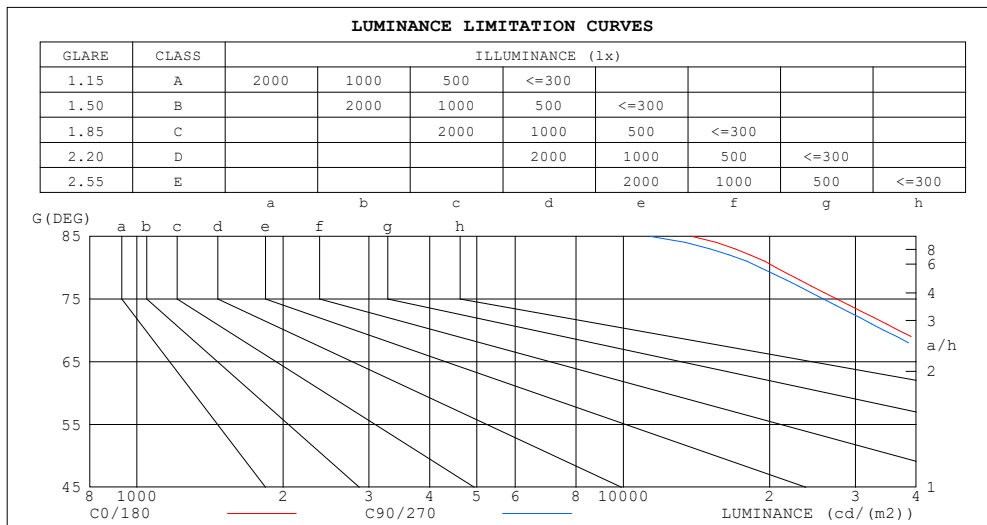
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1366	1337	1325	1322	1372	1353	1340	1329	0- 10	1277	1277	4.55,4.55
20	1364	1334	1322	1321	1373	1351	1338	1327	10- 20	3794	5071	18.1,18.1
30	1351	1322	1309	1303	1338	1296	1291	1297	20- 30	6146	11217	39.9,39.9
40	1018	1034	990.4	942.6	925.5	880.3	909.6	957.2	30- 40	7433	18651	66.4,66.4
50	435.6	440.1	421.1	411.4	395.4	383.6	397.2	400.7	40- 50	4929	23580	83.9,83.9
60	195.3	193.5	184.3	180.6	172.4	170.6	176.1	176.3	50- 60	2488	26067	92.8,92.8
70	77.48	73.18	72.35	69.94	69.46	66.71	72.06	70.87	60- 70	1178	27245	97,97
80	22.03	21.23	20.44	19.38	20.35	19.50	20.86	21.34	70- 80	446.8	27692	98.6,98.6
90	0.3780	0.3763	0.3813	0.3853	1.137	1.113	1.093	1.078	80- 90	84.80	27777	98.9,98.9
100	0.7730	0.7622	0.7837	0.7897	1.655	1.635	1.595	1.572	90-100	10.23	27787	98.9,98.9
110	1.658	1.626	1.674	1.707	2.728	2.712	2.640	2.576	100-110	17.06	27804	99,99
120	3.382	3.284	3.362	3.431	4.650	4.646	4.514	4.401	110-120	29.56	27833	99.1,99.1
130	5.639	5.486	5.562	5.639	7.054	7.007	6.854	6.701	120-130	45.28	27879	99.2,99.2
140	7.840	7.679	7.712	7.758	9.169	9.031	8.891	8.744	130-140	56.40	27935	99.4,99.4
150	9.620	9.506	9.460	9.487	10.72	10.49	10.36	10.23	140-150	57.41	27992	99.7,99.7
160	11.54	11.35	11.32	11.36	12.30	12.05	11.89	11.76	150-160	49.58	28042	99.8,99.8
170	13.37	13.17	13.08	13.07	13.77	13.46	13.32	13.21	160-170	35.25	28077	100,100
180	14.19	14.01	13.82	13.78	14.28	13.97	13.84	13.77	170-180	12.95	28090	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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-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	13818	11324
80	20613	19128
75	27472	25791
70	36807	34371
65	48743	45550
60	63470	59906
55	82903	79560
50	110123	106437
45	152501	149014

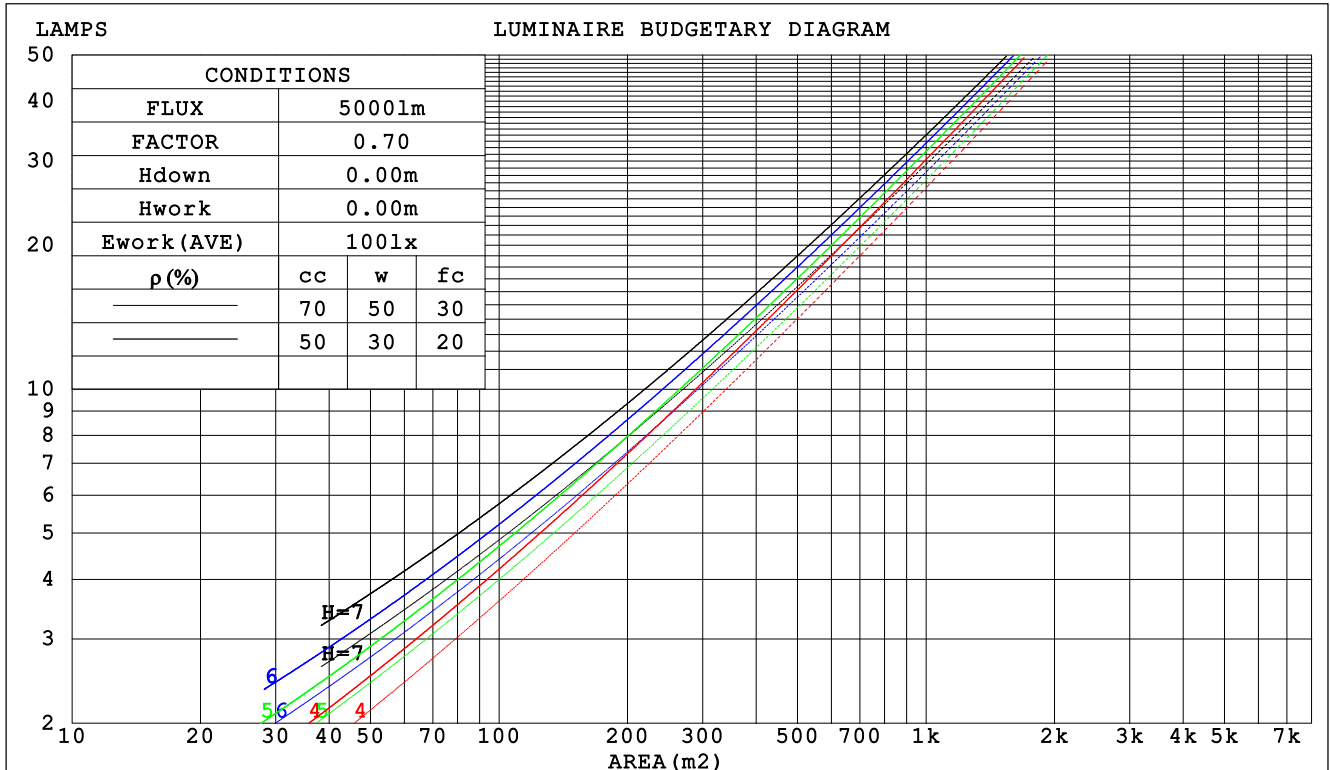
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-2-15

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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-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															



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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz										
Lamp Flux:28090.2x1 lm										
NAME: ASD-UHB2A-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	25.4	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	25.9	27.0	26.4	27.4	27.8	25.6	26.7	26.0	27.1	27.5
6H	26.0	27.0	26.4	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	26.1	27.0	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	26.3	25.7	26.7	27.1	25.0	26.0	25.4	26.4	26.8
3H	26.1	27.0	26.5	27.4	27.8	25.8	26.7	26.2	27.1	27.5
4H	26.3	27.1	26.8	27.6	28.0	26.0	26.8	26.5	27.2	27.7
6H	26.5	27.1	27.0	27.6	28.1	26.1	26.8	26.6	27.3	27.8
8H	26.5	27.1	27.0	27.6	28.1	26.2	26.8	26.6	27.3	27.7
12H	26.5	27.0	27.0	27.5	28.0	26.1	26.7	26.6	27.2	27.7
8H 4H	26.3	27.0	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	28.1	26.2	26.7	26.7	27.2	27.7
8H	26.5	27.0	27.1	27.5	28.1	26.2	26.7	26.7	27.2	27.7
12H	26.6	27.0	27.1	27.5	28.1	26.2	26.6	26.8	27.1	27.7
12H 4H	26.3	26.9	26.8	27.4	27.9	26.0	26.5	26.5	27.0	27.5
6H	26.5	27.0	27.0	27.4	28.0	26.2	26.6	26.7	27.1	27.7
8H	26.5	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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

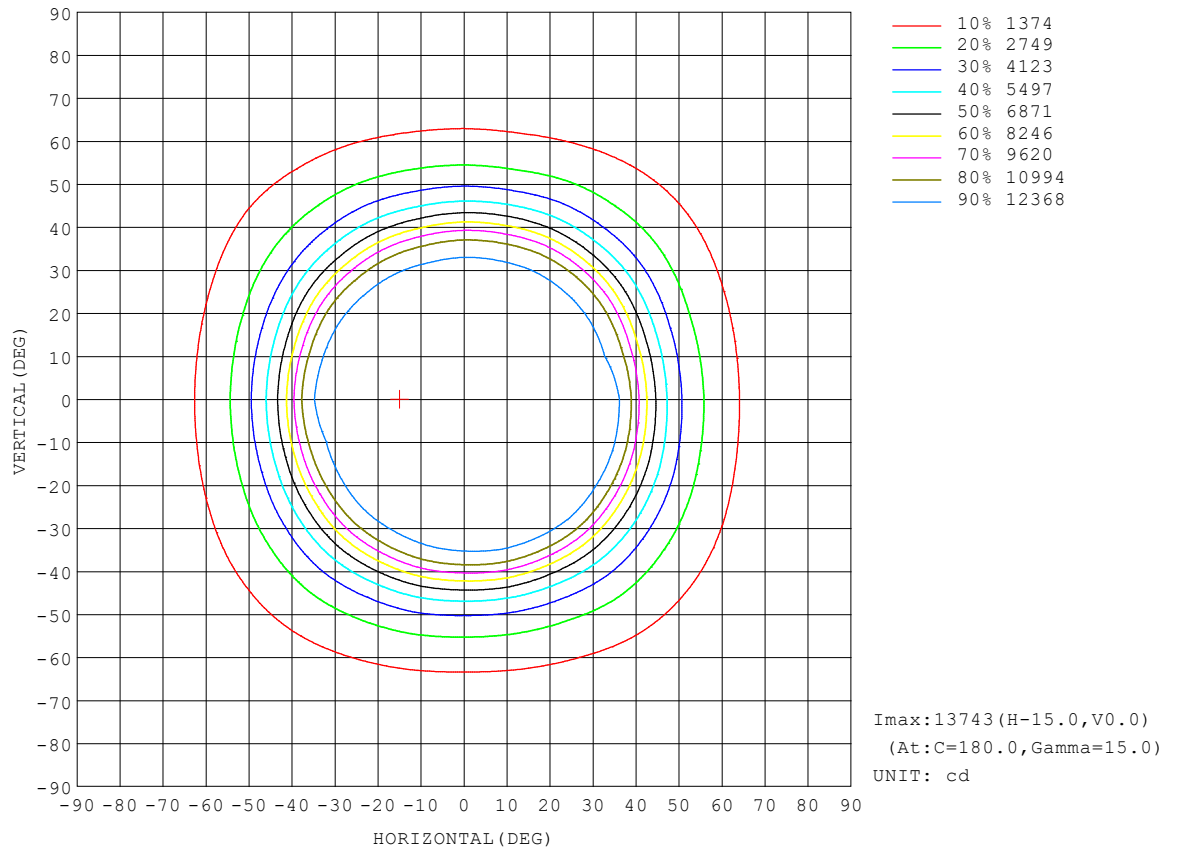
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	61	55	70	61	55	69	60	55	50
0.80	80	71	65	79	71	65	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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

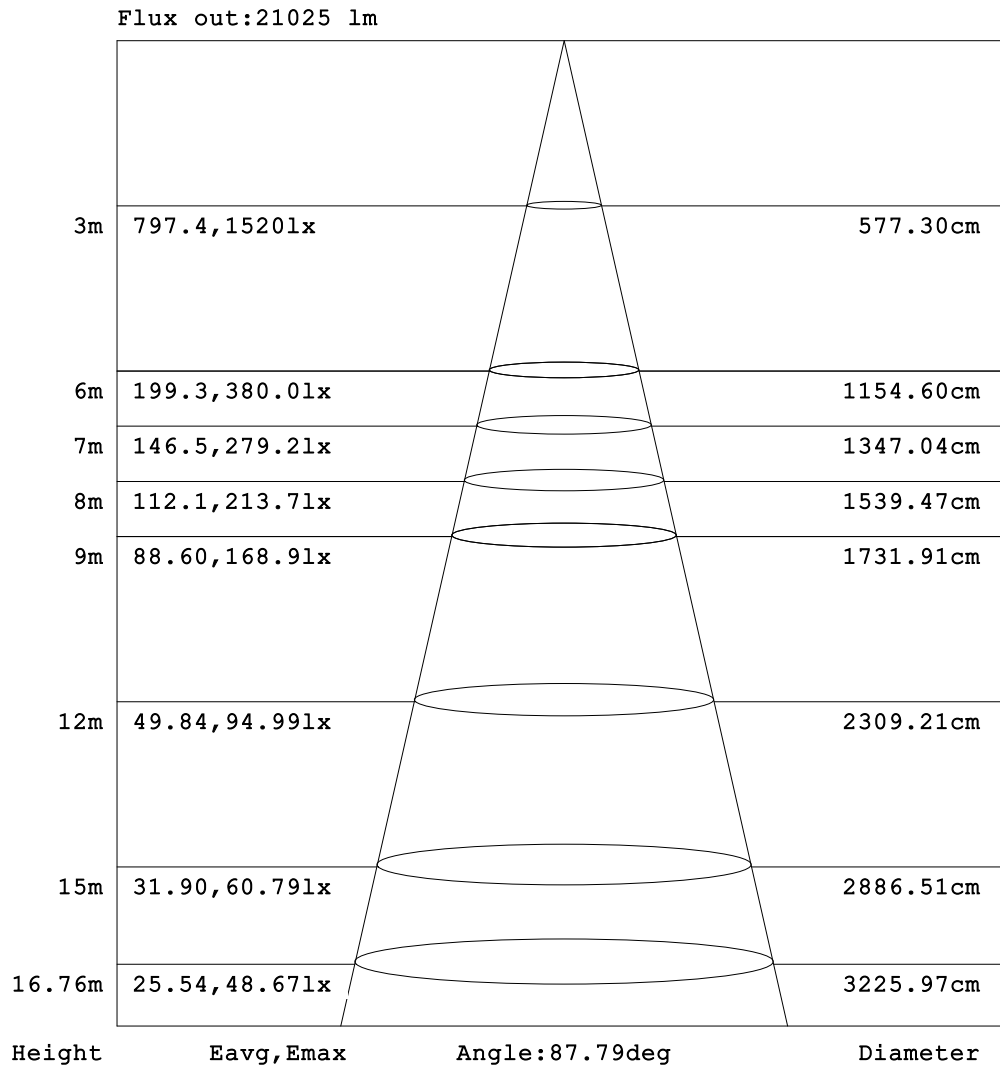


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



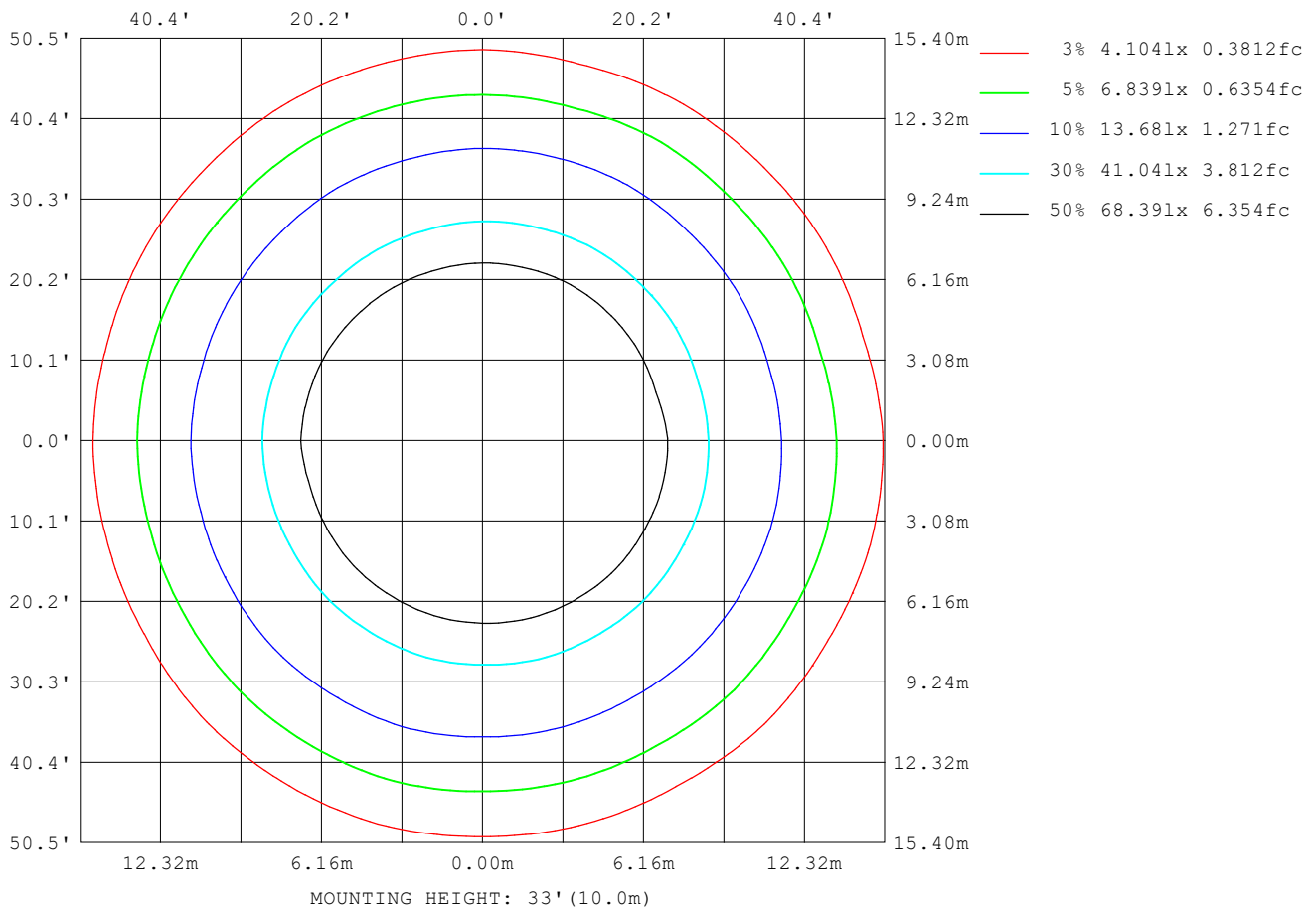
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

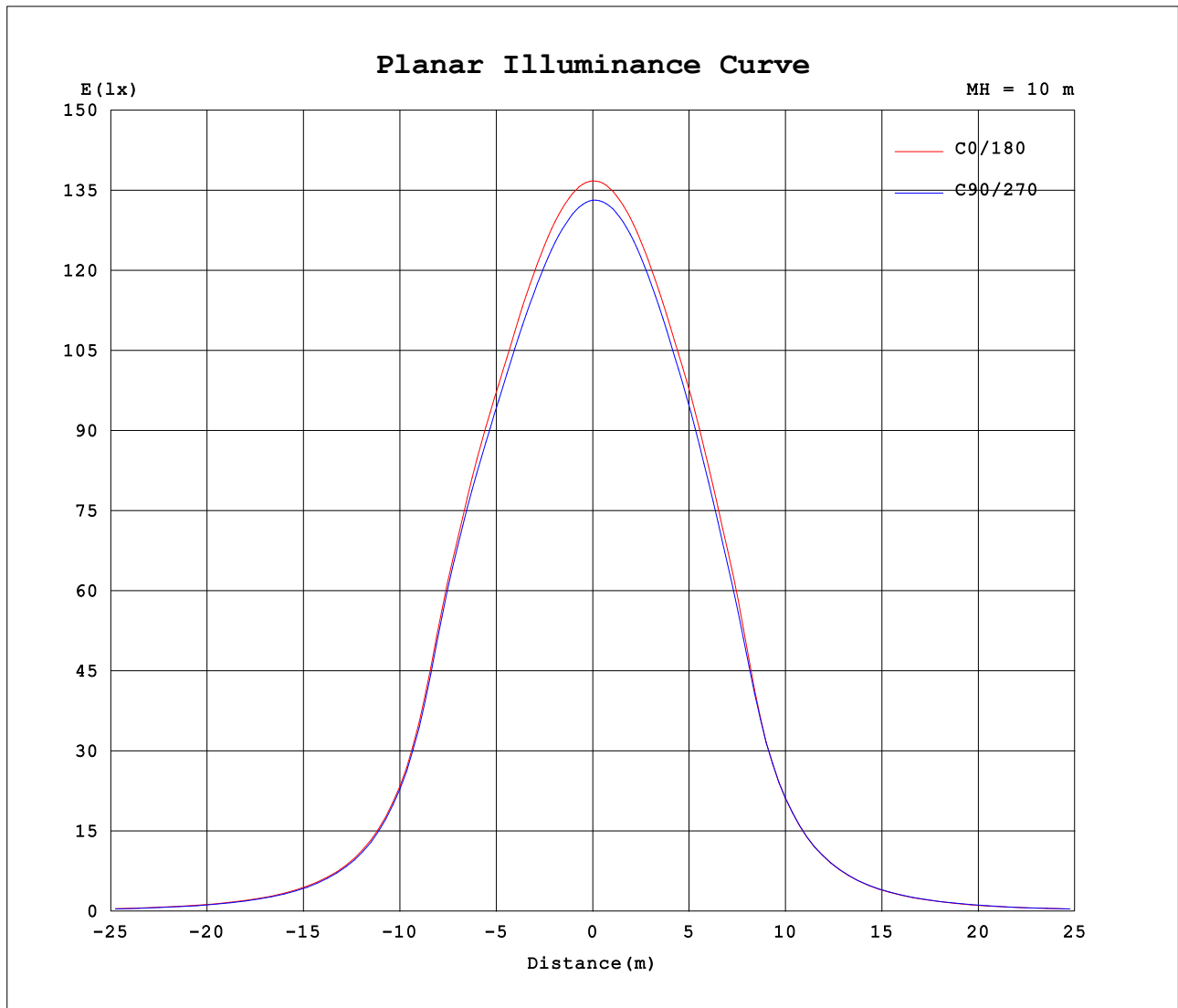
AvgL	cd/m2
L_0~180 (65) av	45853
L_0~180 (75) av	26401
L_0~180 (85) av	13110
L_90~270 (65) av	44898
L_90~270 (75) av	25849
L_90~270 (85) av	12611
L_45 (65) av	44392
L_45 (75) av	25350
L_45 (85) av	12216

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:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-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	1368	1358	1351	1345	1339	1335	1332	1329	1327	1324	1323	1322	1368	1358	1351	1345	1339	1335	1332
5	1366	1356	1347	1340	1335	1331	1328	1325	1324	1323	1323	1322	1370	1361	1355	1349	1344	1340	1336
10	1366	1354	1344	1337	1331	1328	1325	1323	1323	1322	1323	1324	1372	1365	1358	1353	1348	1344	1340
15	1365	1353	1343	1335	1330	1326	1323	1322	1322	1323	1324	1325	1374	1366	1360	1354	1350	1345	1341
20	1364	1352	1341	1334	1329	1325	1322	1321	1321	1321	1322	1323	1373	1364	1357	1351	1346	1342	1338
25	1359	1347	1336	1330	1326	1323	1319	1317	1316	1316	1316	1317	1369	1358	1350	1342	1336	1332	1329
30	1351	1339	1328	1322	1317	1313	1309	1307	1305	1303	1299	1294	1338	1318	1308	1296	1293	1289	1291
35	1271	1273	1268	1268	1262	1258	1245	1235	1219	1211	1198	1195	1231	1208	1197	1179	1177	1172	1182
40	1018	1036	1025	1034	1016	1014	990	984	955	943	913	912	926	901	899	880	888	887	910
45	664	682	676	675	659	662	648	650	632	622	602	592	598	584	587	579	589	585	600
50	436	449	444	440	428	427	421	427	415	411	394	389	395	385	385	384	394	391	397
55	293	296	290	292	281	282	281	285	278	274	261	258	261	255	256	256	261	261	263
60	195	196	192	193	188	188	184	187	184	181	173	171	172	168	173	171	174	173	176
65	127	128	124	122	119	119	118	121	118	115	111	109	112	108	111	109	112	113	115
70	77.5	77.4	74.8	73.2	71.9	71.7	72.3	73.7	71.1	69.9	67.6	66.2	69.5	66.0	68.7	66.7	68.9	69.4	72.1
75	43.8	43.7	42.4	42.1	41.1	41.1	41.1	42.2	40.1	39.5	38.4	38.3	40.3	38.5	39.4	38.7	39.4	39.6	41.3
80	22.0	22.1	20.9	21.2	20.6	20.7	20.4	20.9	19.6	19.4	19.0	19.3	20.3	19.5	19.7	19.5	19.9	20.3	20.9
85	7.41	7.48	6.53	6.76	6.45	6.62	6.07	6.33	5.55	5.66	5.31	5.80	6.65	6.11	6.40	6.23	6.89	7.07	7.45
90	0.38	0.38	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.39	1.14	1.13	1.12	1.11	1.10	1.10	1.09
95	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.55	0.56	0.56	1.35	1.35	1.34	1.33	1.31	1.31	1.30
100	0.77	0.76	0.76	0.76	0.78	0.77	0.78	0.78	0.79	0.79	0.81	0.81	1.65	1.66	1.64	1.64	1.61	1.61	1.60
105	1.13	1.11	1.12	1.11	1.14	1.13	1.15	1.14	1.16	1.15	1.19	1.19	2.09	2.11	2.08	2.08	2.04	2.05	2.02
110	1.66	1.63	1.63	1.63	1.65	1.65	1.67	1.67	1.71	1.71	1.75	1.76	2.73	2.74	2.72	2.71	2.68	2.67	2.64
115	2.42	2.37	2.38	2.36	2.39	2.38	2.42	2.43	2.48	2.48	2.54	2.54	3.59	3.62	3.58	3.59	3.53	3.53	3.48
120	3.38	3.32	3.32	3.28	3.32	3.31	3.36	3.37	3.43	3.43	3.51	3.51	4.65	4.68	4.64	4.65	4.58	4.58	4.51
125	4.48	4.40	4.39	4.35	4.38	4.37	4.43	4.44	4.51	4.51	4.59	4.59	5.84	5.86	5.82	5.82	5.75	5.75	5.67
130	5.64	5.55	5.53	5.49	5.51	5.50	5.56	5.56	5.63	5.64	5.72	5.72	7.05	7.05	7.01	7.01	6.94	6.93	6.85
135	6.78	6.70	6.67	6.62	6.64	6.62	6.68	6.68	6.73	6.75	6.81	6.82	8.19	8.16	8.12	8.10	8.04	8.02	7.95
140	7.84	7.76	7.72	7.68	7.69	7.68	7.71	7.71	7.75	7.76	7.82	7.82	9.17	9.11	9.07	9.03	8.98	8.95	8.89
145	8.77	8.71	8.67	8.63	8.63	8.61	8.63	8.63	8.67	8.67	8.71	8.71	10.0	9.91	9.87	9.81	9.77	9.73	9.68
150	9.62	9.58	9.54	9.51	9.48	9.46	9.46	9.46	9.48	9.49	9.53	9.53	10.7	10.6	10.6	10.5	10.4	10.4	10.4
155	10.5	10.5	10.4	10.4	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0
160	11.5	11.5	11.4	11.4	11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.4	12.3	12.2	12.1	12.1	12.0	11.9	11.9
165	12.5	12.5	12.4	12.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	13.1	13.0	12.9	12.8	12.8	12.8	12.7
170	13.4	13.3	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.8	13.6	13.6	13.5	13.4	13.4	13.3
175	13.9	13.9	13.8	13.7	13.7	13.6	13.6	13.6	13.6	13.6	13.5	13.5	14.1	14.0	13.9	13.8	13.8	13.7	13.7
180	14.2	14.2	14.0	14.0	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.3	14.1	14.1	14.0	13.9	13.9	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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.36V I:1.2977A P:153.24W PF:0.9976 Freq:49.99Hz Lamp Flux:28090.2x1 lm		
NAME: ASD-UHB2A-NEOX-150BK	TYPE: NEOX	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

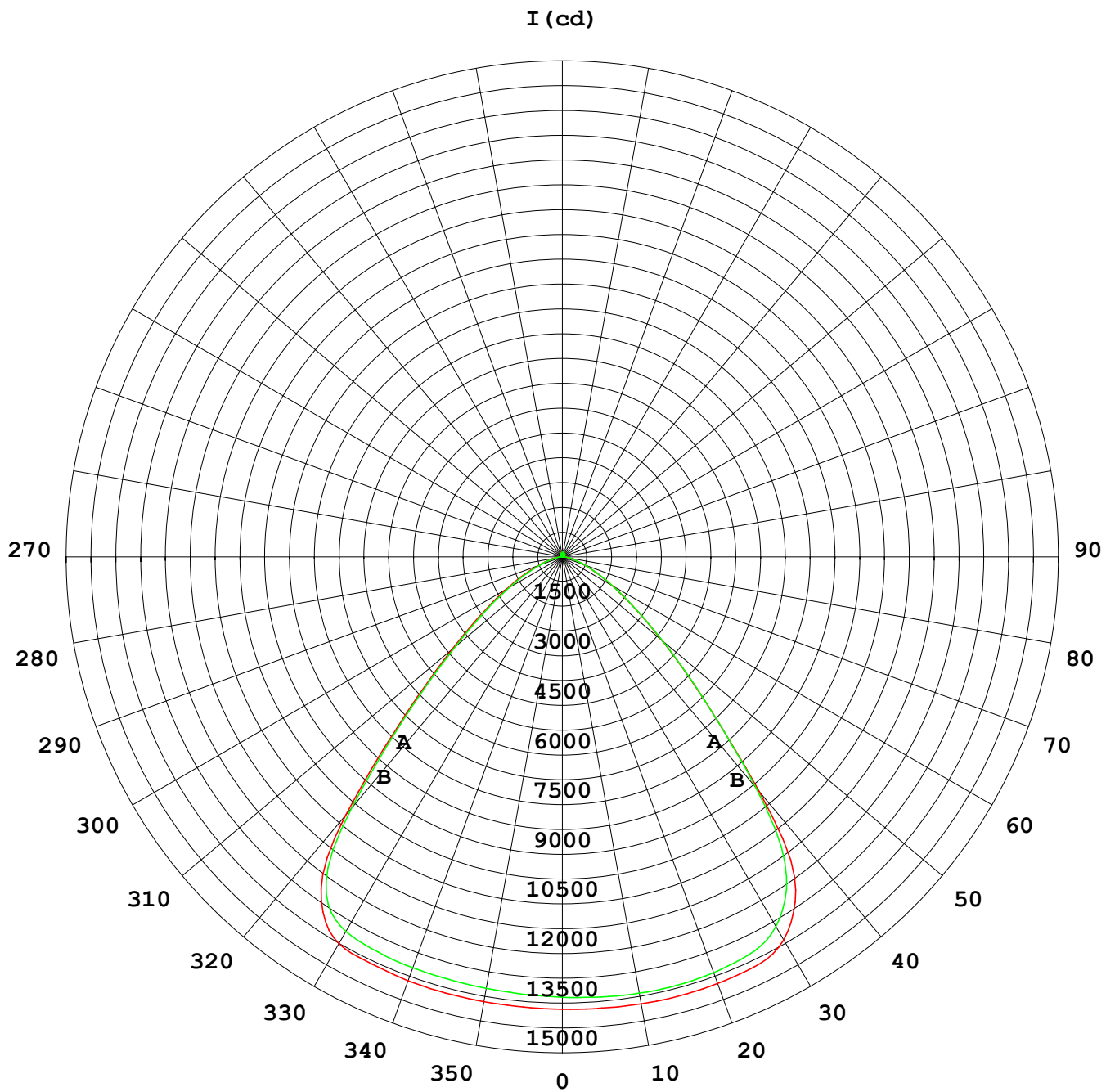
Table--2

UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1329	1327	1324	1323	1322														
5	1333	1330	1326	1324	1322														
10	1336	1332	1329	1326	1322														
15	1337	1334	1330	1327	1323														
20	1334	1331	1327	1325	1321														
25	1326	1324	1322	1319	1315														
30	1292	1295	1297	1301	1301														
35	1187	1202	1206	1214	1215														
40	919	950	957	978	977														
45	606	618	614	633	634														
50	394	406	401	413	415														
55	258	267	267	274	274														
60	172	175	176	182	183														
65	112	112	115	117	120														
70	70.2	68.8	70.9	72.3	73.7														
75	40.7	40.1	41.2	42.1	43.0														
80	20.7	20.9	21.3	22.0	22.2														
85	7.14	7.63	7.56	8.09	8.03														
90	1.09	1.08	1.08	1.07	1.06														
95	1.30	1.29	1.28	1.26	1.26														
100	1.60	1.58	1.57	1.54	1.54														
105	2.03	1.99	1.99	1.94	1.93														
110	2.64	2.60	2.58	2.52	2.50														
115	3.48	3.41	3.39	3.31	3.29														
120	4.51	4.42	4.40	4.30	4.29														
125	5.66	5.56	5.53	5.43	5.41														
130	6.83	6.73	6.70	6.60	6.58														
135	7.92	7.83	7.80	7.71	7.69														
140	8.85	8.78	8.74	8.67	8.64														
145	9.64	9.58	9.54	9.48	9.46														
150	10.3	10.3	10.2	10.2	10.2														
155	11.0	11.0	10.9	10.9	10.8														
160	11.9	11.8	11.8	11.7	11.7														
165	12.7	12.6	12.6	12.5	12.5														
170	13.3	13.2	13.2	13.2	13.2														
175	13.6	13.6	13.6	13.6	13.6														
180	13.8	13.8	13.8	13.8	13.8														

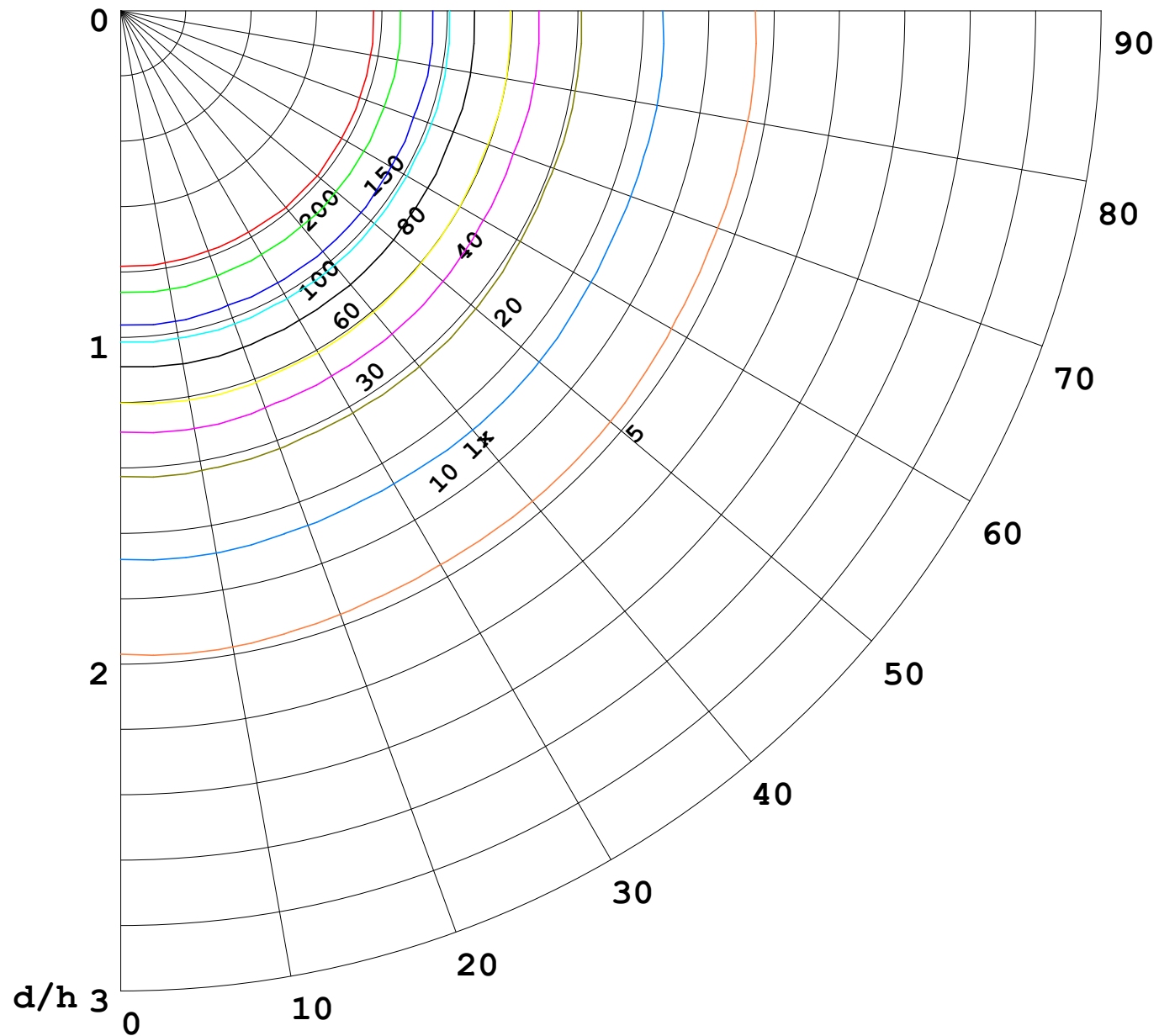
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:



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

