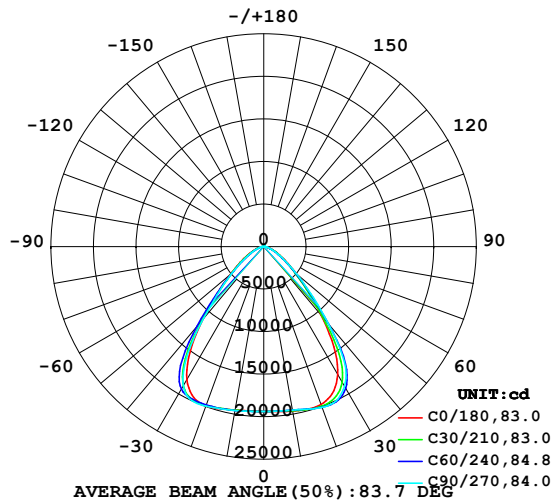


LUMINAIRE PHOTOMETRIC TEST REPORT

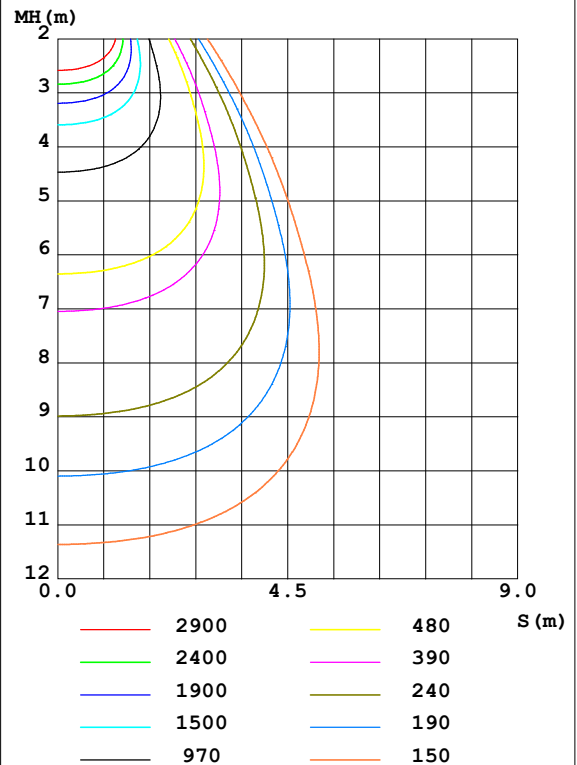
Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 184.69 lm/W			
MODEL	ASD-UHB2A-NEOX-200BK	I _{max} (cd)	20197	S/MH(C0/180)	1.20
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	37829	η UP,DN(C0-180)	0.5,49.9
NOMINAL FLUX(lm)	37829.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,48.9
LAMPS INSIDE	1	η up(%)	1.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	98.8	CIBSE SHR MAX	1.25

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:8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

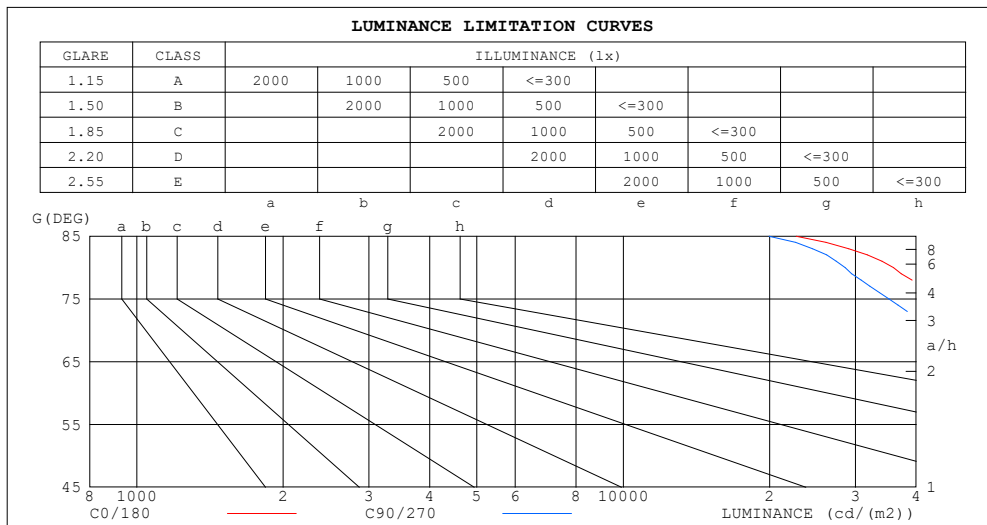
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1964	1955	1952	1954	1950	1955	1955	1967	0- 10	1859	1859	4.91,4.91
20	1973	2005	2012	1996	1992	1982	1994	1981	10- 20	5609	7468	19.7,19.7
30	1739	1890	1897	1815	1807	1921	1892	1707	20- 30	8986	16454	43.5,43.5
40	1051	1143	1183	1111	1108	1163	1101	999.9	30- 40	9434	25887	68.4,68.4
50	501.8	511.6	515.6	543.3	519.1	495.4	491.7	495.4	40- 50	5895	31782	84,84
60	242.9	232.1	223.5	259.3	249.4	230.8	216.6	230.6	50- 60	3167	34949	92.4,92.4
70	110.1	98.53	92.73	113.0	112.3	99.92	91.24	101.2	60- 70	1597	36546	96.6,96.6
80	38.42	33.22	30.56	38.57	41.00	34.06	31.03	36.44	70- 80	688.5	37235	98.4,98.4
90	0.3826	0.3493	0.3511	0.3776	2.741	2.737	2.741	2.789	80- 90	157.0	37392	98.8,98.8
100	0.9383	0.8575	0.8625	0.8858	3.397	3.383	3.378	3.456	90-100	19.84	37412	98.9,98.9
110	2.077	1.986	1.962	1.947	4.493	4.524	4.528	4.588	100-110	27.96	37440	99,99
120	4.215	4.213	4.128	3.908	6.313	6.553	6.583	6.540	110-120	41.51	37481	99.1,99.1
130	7.245	7.323	7.200	6.801	8.947	9.383	9.446	9.303	120-130	59.94	37541	99.2,99.2
140	10.35	10.43	10.32	9.930	11.74	12.15	12.21	12.11	130-140	74.89	37616	99.4,99.4
150	12.96	13.00	12.99	12.70	14.08	14.33	14.29	14.36	140-150	77.62	37694	99.6,99.6
160	15.59	15.73	15.70	15.37	16.38	16.61	16.49	16.50	150-160	68.02	37762	99.8,99.8
170	18.62	18.69	18.61	18.34	18.89	19.15	19.09	19.04	160-170	49.07	37811	100,100
180	20.08	20.12	20.09	20.06	20.07	20.12	20.07	20.07	170-180	18.52	37829	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:8.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22691	19937
80	35951	28600
75	43453	35177
70	52299	44058
65	63865	56828
60	78941	72630
55	98939	95471
50	126854	130342
45	169616	180200

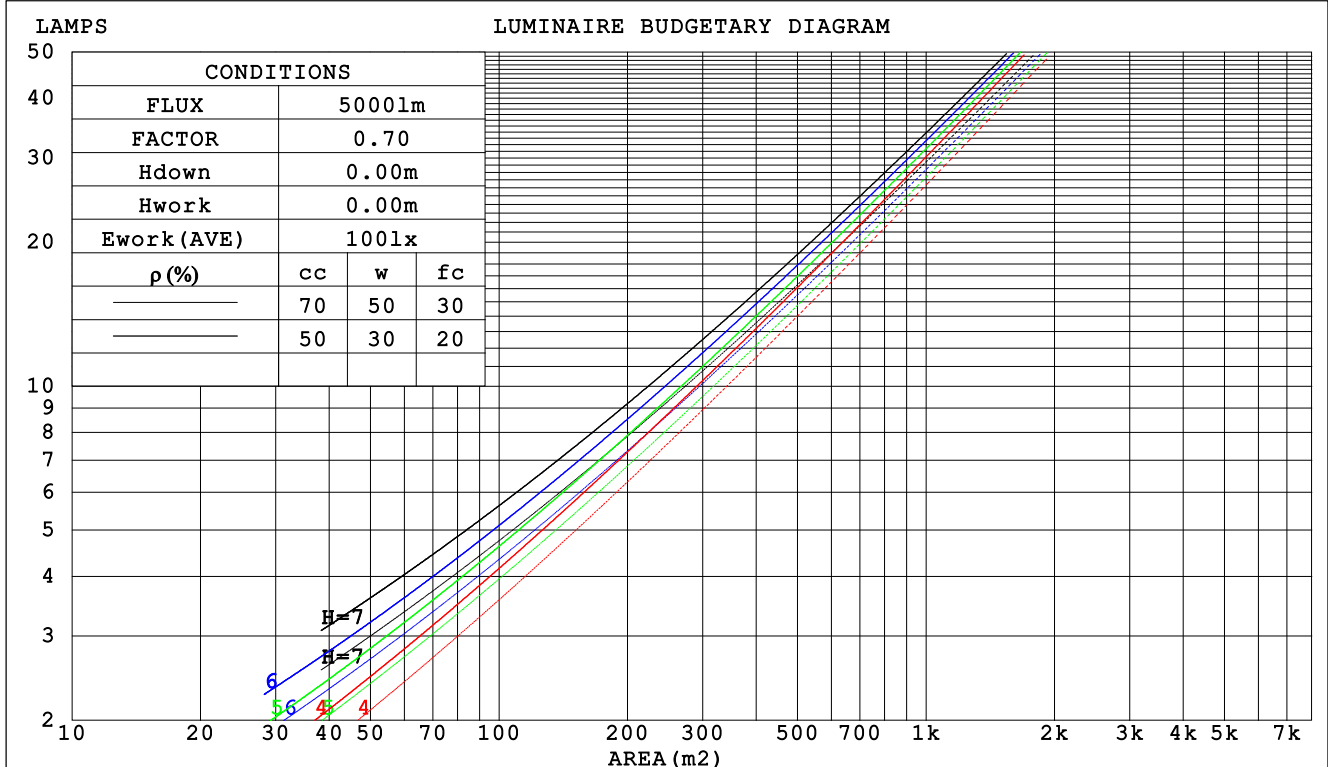
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz		
Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.08	1.04	1.02	1.05	1.02	.00	1.01	.99	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.92	.88	.95	.91	.86	.92	.88	.84	.89	.85	.82	.85	.83	.80	.78
3.0	.88	.82	.76	.86	.81	.76	.84	.78	.74	.81	.77	.73	.78	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.70	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.66	.60	.72	.65	.60	.70	.64	.59	.68	.63	.58	.66	.61	.58	.56
6.0	.67	.59	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.61	.56	.52	.50
7.0	.61	.54	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.56	.51	.47	.46
8.0	.57	.49	.44	.56	.49	.44	.55	.48	.44	.53	.48	.44	.52	.47	.43	.42
9.0	.53	.45	.40	.52	.45	.40	.51	.45	.40	.50	.44	.40	.49	.43	.40	.38
10.0	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.45	.40	.36	.35



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:8.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz		
Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

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	.232	.132	.042	.224	.128	.041	.211	.121	.039	.198	.114	.037	.187	.108	.035		
2.0	.224	.123	.038	.218	.120	.037	.206	.114	.036	.195	.109	.034	.185	.105	.033		
3.0	.213	.113	.034	.207	.111	.033	.197	.107	.032	.187	.103	.031	.179	.099	.031		
4.0	.201	.104	.031	.196	.103	.030	.187	.099	.030	.179	.096	.029	.171	.093	.028		
5.0	.190	.097	.028	.185	.095	.028	.177	.092	.027	.170	.090	.027	.163	.087	.026		
6.0	.179	.090	.026	.175	.089	.026	.168	.086	.025	.162	.084	.025	.155	.082	.024		
7.0	.170	.084	.024	.166	.083	.024	.160	.081	.023	.154	.079	.023	.148	.077	.023		
8.0	.161	.078	.022	.158	.078	.022	.152	.076	.022	.146	.074	.021	.141	.073	.021		
9.0	.152	.074	.021	.150	.073	.020	.145	.071	.020	.140	.070	.020	.135	.069	.020		
10.0	.145	.069	.019	.142	.069	.019	.138	.067	.019	.133	.066	.019	.129	.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	.184	.166	.149	.157	.142	.129	.108	.098	.089	.062	.057	.052	.020	.018	.017	
2.0	.172	.141	.115	.147	.122	.100	.101	.084	.069	.058	.049	.041	.019	.016	.013	
3.0	.162	.123	.091	.139	.106	.079	.096	.074	.056	.055	.043	.033	.018	.014	.011	
4.0	.154	.109	.075	.132	.094	.065	.091	.066	.046	.053	.038	.027	.017	.013	.009	
5.0	.146	.098	.062	.126	.085	.054	.087	.059	.038	.050	.035	.023	.016	.011	.007	
6.0	.140	.089	.053	.120	.077	.046	.083	.054	.033	.048	.032	.019	.016	.010	.006	
7.0	.133	.082	.046	.115	.071	.040	.079	.050	.029	.046	.029	.017	.015	.010	.006	
8.0	.128	.076	.041	.110	.066	.036	.076	.046	.025	.044	.027	.015	.014	.009	.005	
9.0	.122	.071	.037	.105	.062	.032	.073	.044	.023	.043	.026	.014	.014	.008	.005	
10.0	.118	.067	.034	.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:2025-2-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz										
Lamp Flux:37829.4x1 lm										
NAME: ASD-UHB2A-NEOX-200BK					TYPE: NEOX					
SPEC.: 200W 5000K					DIM.:					
MFR.: ASD LIGHTING CORP					SUR.:					
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	25.3	26.6	25.7	26.9	27.3	25.8	27.1	26.2	27.4	27.8
3H	26.1	27.2	26.5	27.6	28.0	26.6	27.7	27.0	28.1	28.5
4H	26.4	27.4	26.8	27.8	28.2	26.8	27.9	27.2	28.3	28.7
6H	26.5	27.5	27.0	27.9	28.3	26.9	27.9	27.4	28.3	28.7
8H	26.6	27.5	27.0	27.9	28.3	26.9	27.9	27.4	28.3	28.7
12H	26.6	27.4	27.0	27.8	28.3	26.9	27.8	27.4	28.2	28.7
4H 2H	25.5	26.6	26.0	27.0	27.4	26.1	27.2	26.5	27.5	27.9
3H	26.5	27.4	27.0	27.8	28.2	27.0	27.9	27.5	28.3	28.8
4H	26.8	27.6	27.3	28.1	28.5	27.3	28.1	27.8	28.5	29.0
6H	27.1	27.8	27.6	28.2	28.7	27.5	28.2	28.0	28.7	29.2
8H	27.1	27.8	27.6	28.2	28.7	27.6	28.2	28.1	28.7	29.2
12H	27.2	27.7	27.7	28.2	28.7	27.6	28.1	28.1	28.6	29.1
8H 4H	26.9	27.5	27.4	28.0	28.5	27.4	28.0	27.9	28.5	29.0
6H	27.2	27.7	27.7	28.2	28.7	27.7	28.2	28.2	28.7	29.2
8H	27.3	27.8	27.8	28.3	28.8	27.8	28.2	28.3	28.8	29.3
12H	27.4	27.8	27.9	28.3	28.9	27.8	28.2	28.4	28.7	29.3
12H 4H	26.9	27.4	27.4	27.9	28.4	27.4	27.9	27.9	28.5	29.0
6H	27.2	27.6	27.7	28.1	28.7	27.7	28.2	28.2	28.6	29.2
8H	27.3	27.7	27.8	28.2	28.8	27.8	28.2	28.3	28.7	29.3
CIE190: 2010										

CIE190: 2010
Area: 0.06154 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:8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

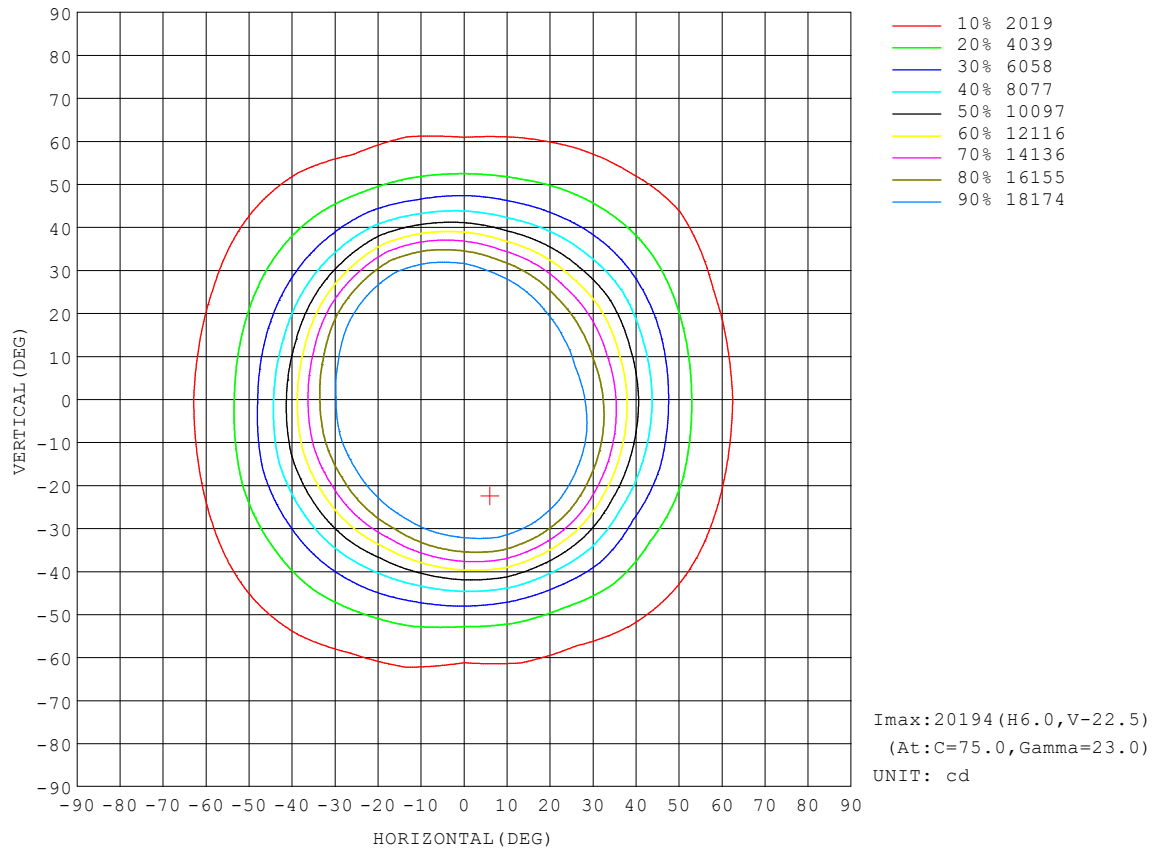
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	79	71	66	61
1.00	88	80	75	87	79	74	85	80	74	68
1.25	94	86	81	93	86	81	90	84	80	74
1.50	98	91	86	96	90	85	94	88	84	78
2.00	103	96	92	101	95	91	98	93	89	83
2.50	105	100	95	103	98	94	100	96	92	85
3.00	107	103	99	105	101	98	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	90
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:2025-2-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

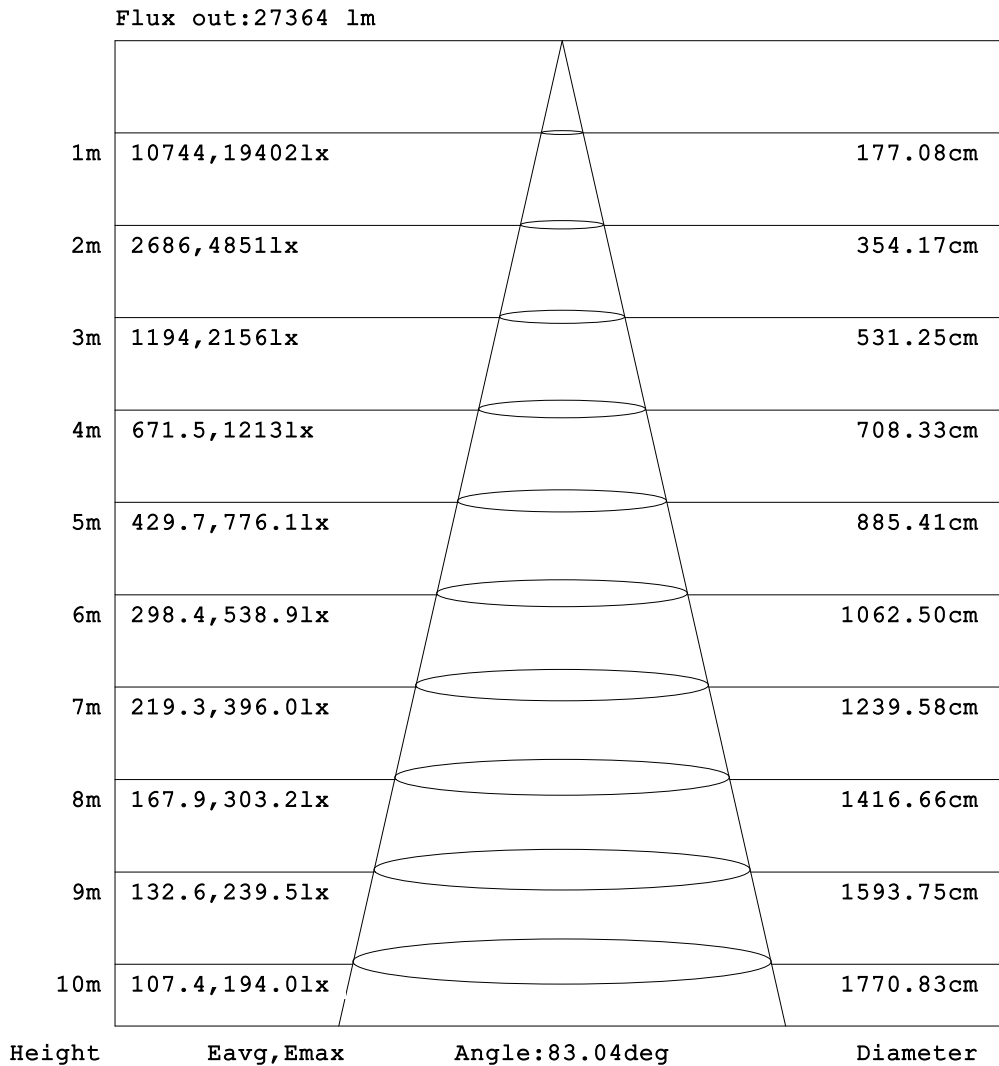


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	



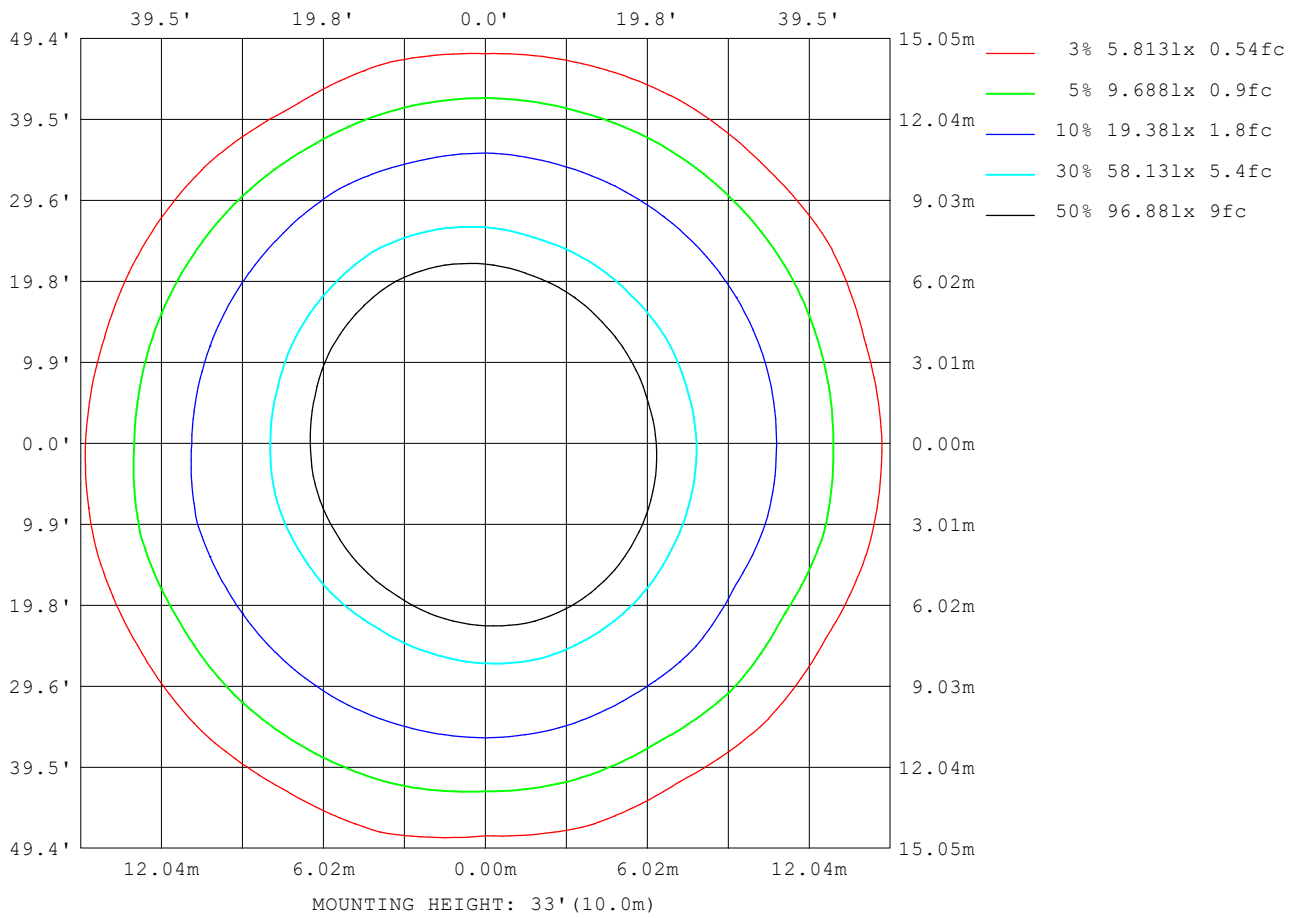
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:8.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

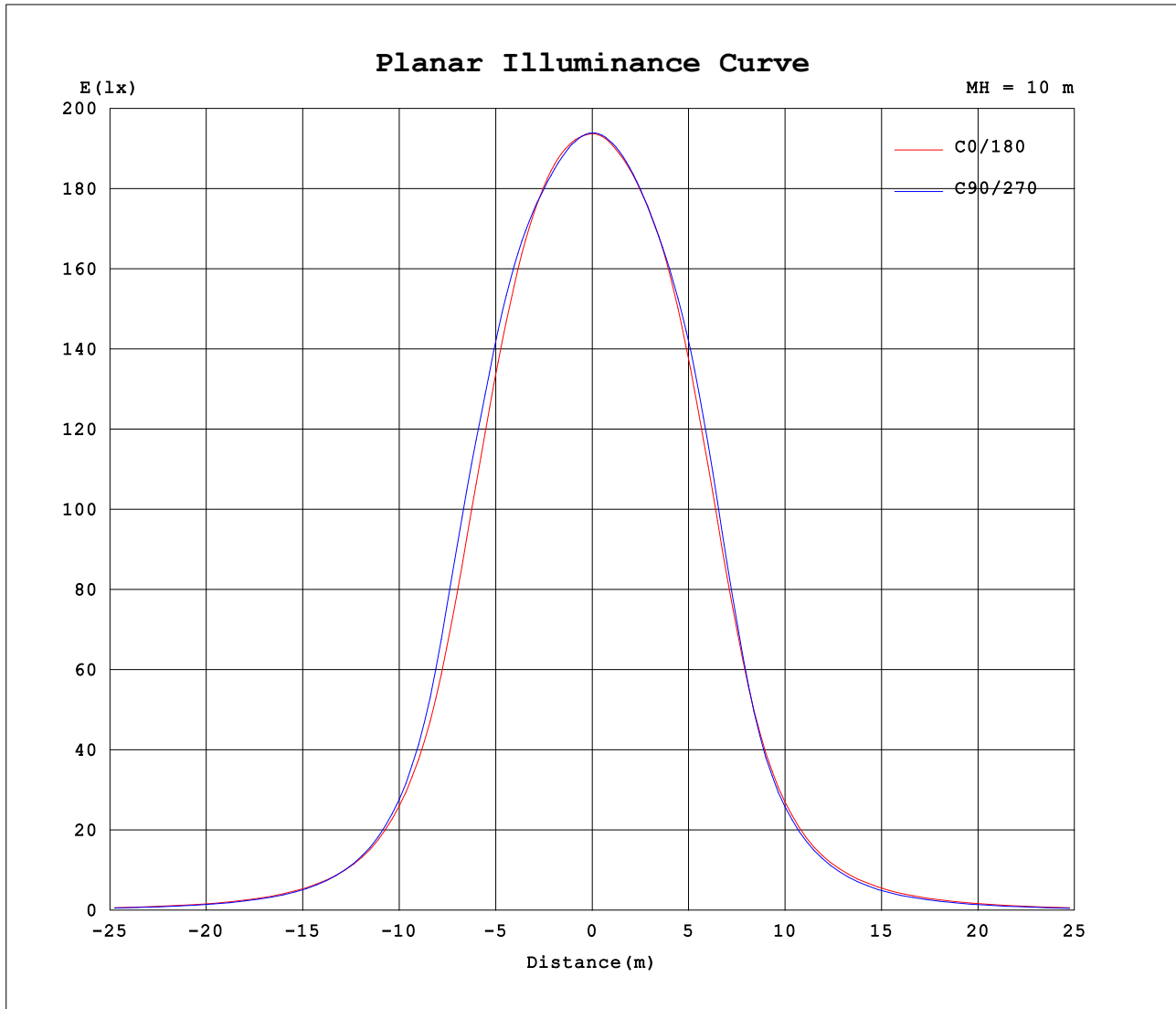
Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	



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:8.000m [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: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm																			
NAME: ASD-UHB2A-NEOX-200BK										TYPE: NEOX									
SPEC.: 200W 5000K										DIM.:									
MFR.: ASD LIGHTING CORP										SUR.:									

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	1937	1938	1938	1938	1939	1938	1939	1939	1939	1940	1940	1940	1937	1938	1938	1938	1939	1938	1939
5	1944	1943	1942	1942	1940	1940	1940	1941	1941	1942	1941	1942	1940	1941	1942	1944	1943	1942	1943
10	1964	1962	1959	1955	1951	1949	1952	1951	1953	1954	1954	1953	1950	1951	1951	1955	1955	1955	1955
15	1980	1980	1981	1981	1977	1973	1977	1979	1981	1980	1977	1976	1973	1972	1968	1968	1969	1970	1973
20	1973	1984	1996	2005	2008	2008	2012	2009	2003	1996	1993	1993	1992	1993	1985	1982	1979	1986	1994
25	1907	1938	1966	1994	2012	2016	2005	1991	1977	1964	1951	1954	1954	1972	1985	1984	1981	1991	1998
30	1739	1799	1843	1890	1925	1932	1897	1877	1841	1815	1804	1813	1807	1836	1890	1921	1935	1925	1892
35	1439	1491	1547	1625	1676	1695	1654	1596	1522	1509	1497	1518	1512	1535	1608	1655	1704	1659	1573
40	1051	1056	1073	1143	1184	1225	1183	1129	1089	1111	1114	1140	1108	1096	1131	1163	1219	1166	1101
45	738	729	710	758	759	793	784	768	767	781	787	807	764	740	745	754	780	744	731
50	502	515	480	512	496	508	516	526	539	543	541	559	519	515	503	495	499	487	492
55	349	354	335	347	328	349	337	369	366	377	371	377	362	347	346	340	319	337	326
60	243	239	233	232	219	238	223	257	247	259	256	252	249	233	232	231	211	233	217
65	166	156	159	153	145	160	148	173	164	173	173	167	171	154	155	154	138	157	143
70	110	99.0	103	98.5	91.6	104	92.7	112	105	113	114	106	112	98.1	102	99.9	88.8	102	91.2
75	69.2	61.0	62.7	60.6	54.7	63.4	56.0	69.6	64.5	70.7	72.4	67.9	72.8	61.4	63.3	61.6	54.8	63.4	55.5
80	38.4	33.6	34.0	33.2	29.3	34.5	30.6	38.3	36.3	38.6	41.2	36.5	41.0	34.1	35.7	34.1	30.9	35.0	31.0
85	12.2	11.8	11.2	11.5	10.0	11.6	10.7	13.3	12.8	13.6	14.6	13.8	15.2	13.3	13.8	12.8	12.5	12.7	12.2
90	0.38	0.37	0.36	0.35	0.35	0.35	0.35	0.36	0.37	0.38	0.38	0.38	2.74	2.75	2.73	2.74	2.72	2.73	2.74
95	0.61	0.58	0.58	0.55	0.55	0.54	0.56	0.56	0.58	0.58	0.59	0.58	3.02	3.03	3.01	3.01	2.99	3.01	3.01
100	0.94	0.90	0.89	0.86	0.86	0.84	0.86	0.86	0.89	0.89	0.91	0.89	3.40	3.40	3.38	3.38	3.36	3.38	3.38
105	1.41	1.36	1.36	1.32	1.32	1.30	1.31	1.30	1.34	1.33	1.37	1.34	3.88	3.88	3.87	3.87	3.86	3.88	3.87
110	2.08	2.02	2.03	1.99	2.01	1.96	1.96	1.92	1.96	1.95	1.99	1.96	4.49	4.51	4.49	4.52	4.52	4.56	4.53
115	3.00	2.96	2.98	2.95	2.98	2.91	2.90	2.81	2.83	2.79	2.84	2.81	5.28	5.33	5.32	5.41	5.43	5.48	5.42
120	4.21	4.18	4.25	4.21	4.27	4.16	4.13	3.99	3.97	3.91	3.95	3.92	6.31	6.39	6.41	6.55	6.58	6.65	6.58
125	5.67	5.65	5.75	5.71	5.77	5.64	5.60	5.42	5.38	5.27	5.31	5.26	7.55	7.68	7.73	7.91	7.94	8.03	7.96
130	7.25	7.25	7.36	7.32	7.38	7.26	7.20	7.01	6.93	6.80	6.82	6.77	8.95	9.11	9.19	9.38	9.42	9.51	9.45
135	8.84	8.86	8.97	8.93	8.98	8.86	8.81	8.62	8.54	8.39	8.40	8.36	10.4	10.6	10.6	10.8	10.9	11.0	10.9
140	10.4	10.4	10.5	10.4	10.5	10.4	10.3	10.1	10.1	9.93	9.94	9.89	11.7	11.9	12.0	12.1	12.2	12.2	12.2
145	11.7	11.7	11.8	11.8	11.8	11.7	11.7	11.6	11.5	11.4	11.4	11.3	13.0	13.1	13.2	13.3	13.3	13.3	13.3
150	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.8	12.7	12.7	12.7	14.1	14.2	14.2	14.3	14.3	14.3	14.3
155	14.2	14.2	14.3	14.3	14.4	14.3	14.3	14.2	14.1	14.0	14.0	14.0	15.2	15.3	15.3	15.4	15.3	15.3	15.3
160	15.6	15.6	15.7	15.7	15.8	15.7	15.7	15.5	15.5	15.4	15.4	15.3	16.4	16.5	16.5	16.6	16.5	16.6	16.5
165	17.2	17.2	17.3	17.3	17.3	17.2	17.2	17.1	17.0	16.9	16.9	16.8	17.7	17.8	17.8	18.0	17.9	18.0	17.9
170	18.6	18.6	18.7	18.7	18.7	18.6	18.6	18.5	18.4	18.3	18.4	18.3	18.9	19.0	19.0	19.2	19.1	19.1	19.1
175	19.6	19.6	19.7	19.6	19.7	19.6	19.6	19.5	19.5	19.5	19.5	19.5	19.7	19.8	19.8	19.9	19.8	19.8	19.8
180	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1

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:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:117.16V I:1.7545A P:204.83W PF:0.9964 Freq:49.97Hz Lamp Flux:37829.4x1 lm		
NAME: ASD-UHB2A-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

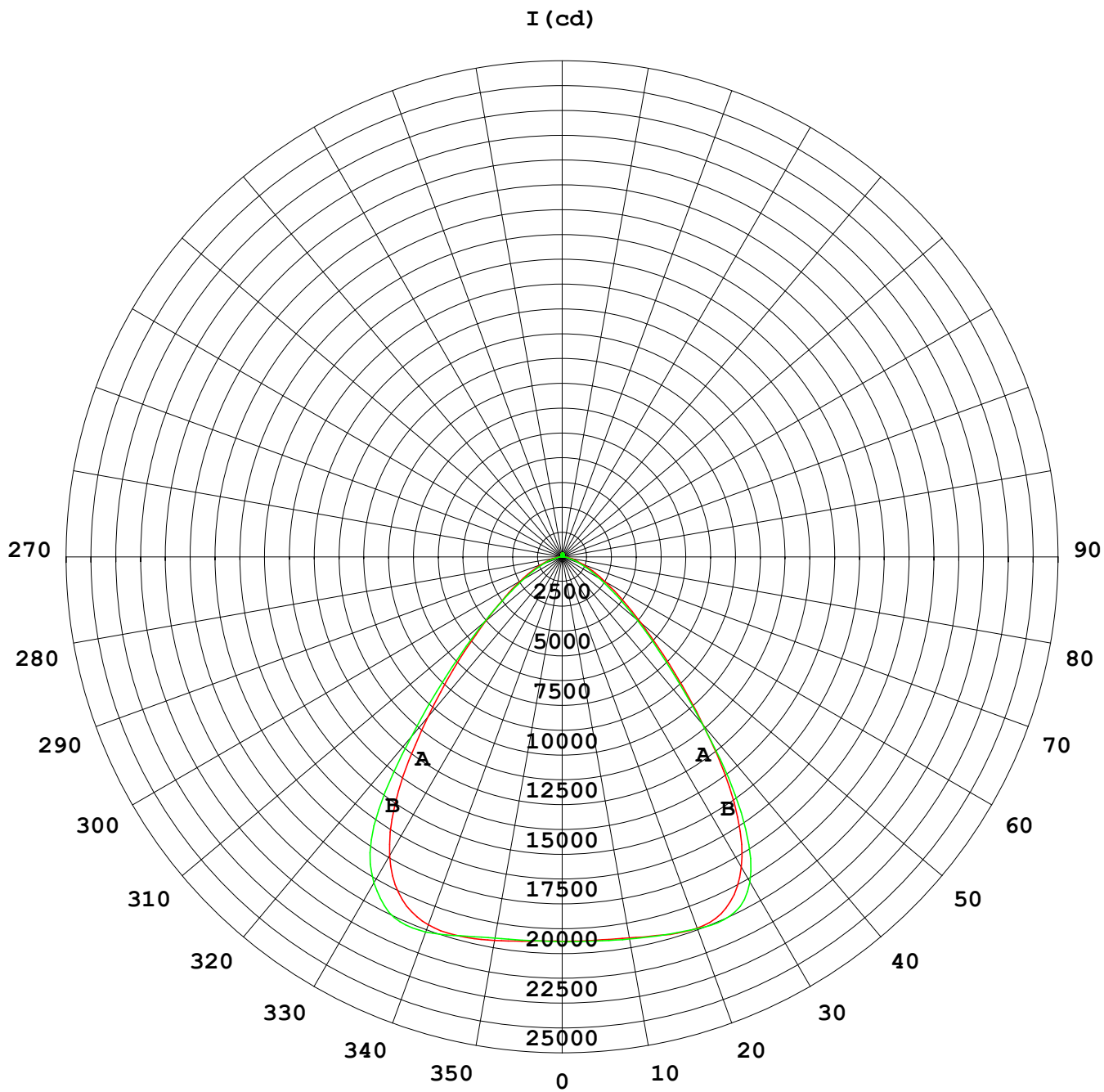
Table--2

UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	1939	1939	1940	1940	1940													
5	1945	1946	1948	1949	1950													
10	1960	1963	1967	1968	1969													
15	1979	1984	1987	1986	1984													
20	1999	1993	1981	1972	1969													
25	1975	1937	1898	1878	1876													
30	1816	1760	1707	1686	1687													
35	1470	1423	1376	1384	1388													
40	1024	1012	1000	1027	1020													
45	702	701	704	725	725													
50	482	488	495	500	508													
55	333	341	339	352	339													
60	229	234	231	242	226													
65	156	158	156	165	150													
70	101	104	101	109	96.4													
75	63.5	65.0	64.8	71.1	61.0													
80	35.8	36.8	36.4	40.5	34.4													
85	12.8	13.5	13.0	14.2	12.7													
90	2.76	2.77	2.79	2.78	2.79													
95	3.04	3.05	3.08	3.07	3.08													
100	3.42	3.42	3.46	3.45	3.46													
105	3.91	3.91	3.95	3.94	3.96													
110	4.55	4.54	4.59	4.58	4.62													
115	5.43	5.38	5.44	5.42	5.48													
120	6.58	6.49	6.54	6.51	6.58													
125	7.94	7.83	7.86	7.80	7.88													
130	9.43	9.30	9.30	9.23	9.30													
135	10.9	10.8	10.8	10.7	10.7													
140	12.2	12.1	12.1	12.0	12.1													
145	13.4	13.3	13.3	13.2	13.2													
150	14.4	14.3	14.4	14.3	14.3													
155	15.3	15.3	15.4	15.3	15.4													
160	16.5	16.4	16.5	16.5	16.6													
165	17.9	17.8	17.8	17.8	17.9													
170	19.1	19.0	19.0	19.0	19.1													
175	19.8	19.8	19.8	19.8	19.8													
180	20.1	20.0	20.1	20.1	20.1													

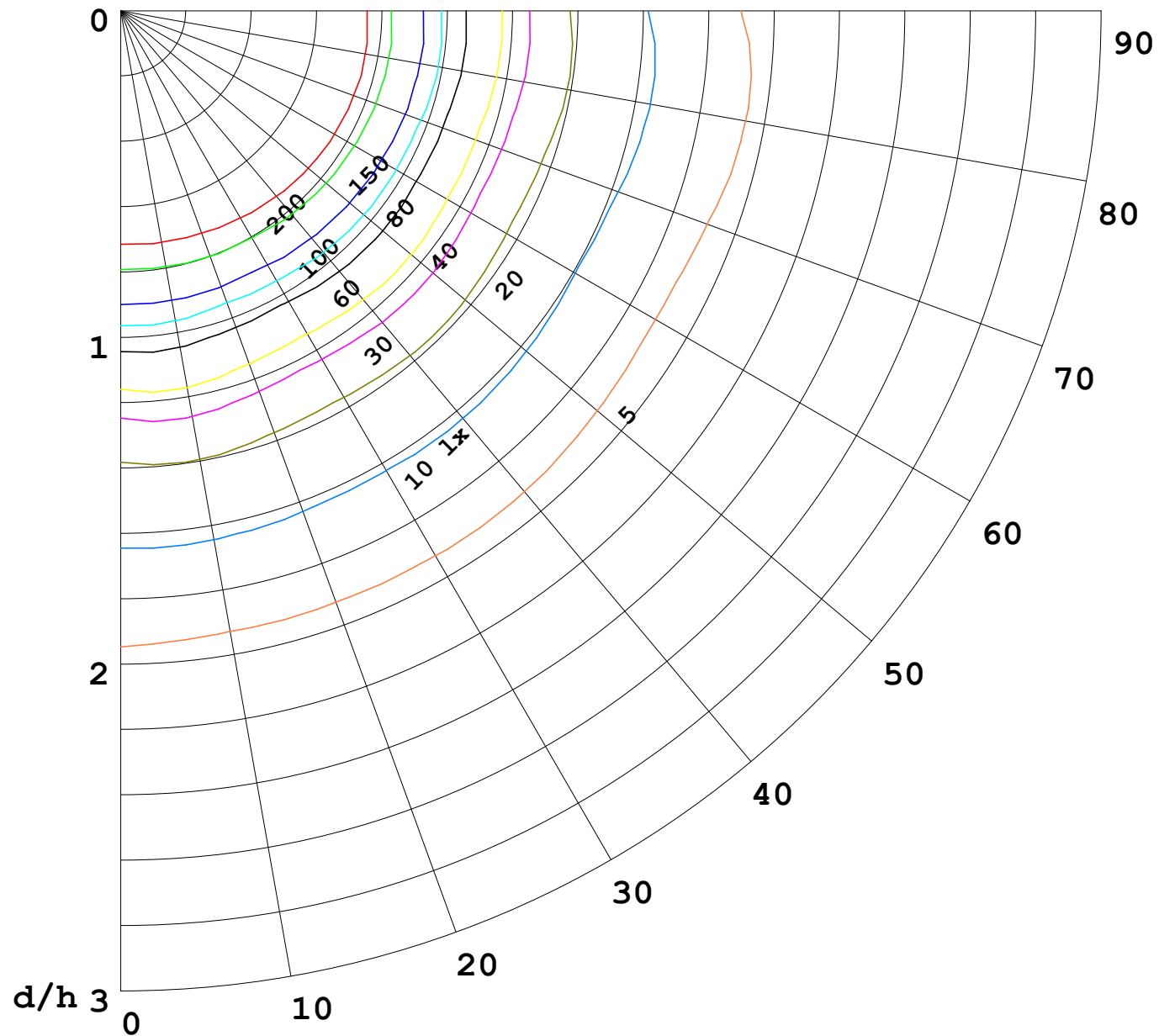
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [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

