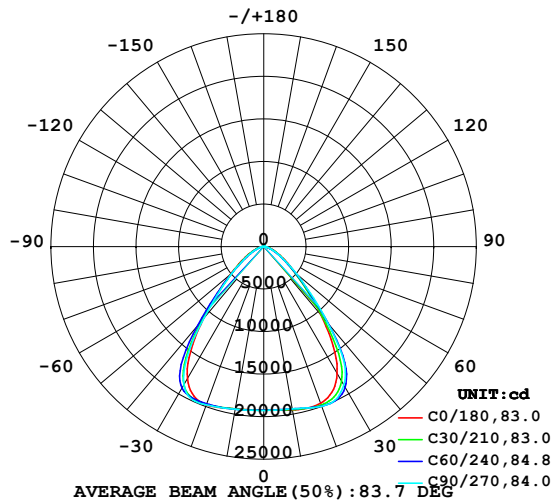


LUMINAIRE PHOTOMETRIC TEST REPORT

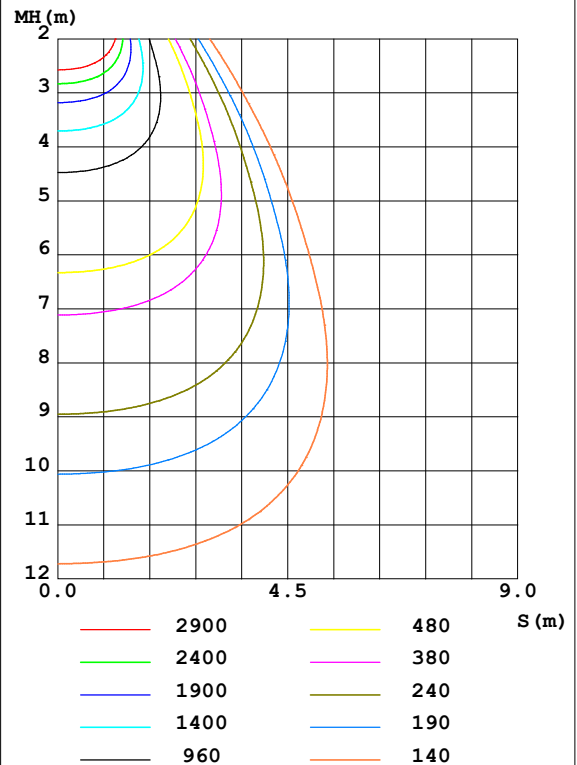
Test:U:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 182.47 lm/W			
MODEL	ASD-UHB2A-HV-NEOX-200BK	I _{max} (cd)	20053	S/MH (C0/180)	1.20
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	37561	η UP, DN (C0-180)	0.5, 49.9
NOMINAL FLUX (lm)	37561.2	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)	277	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:

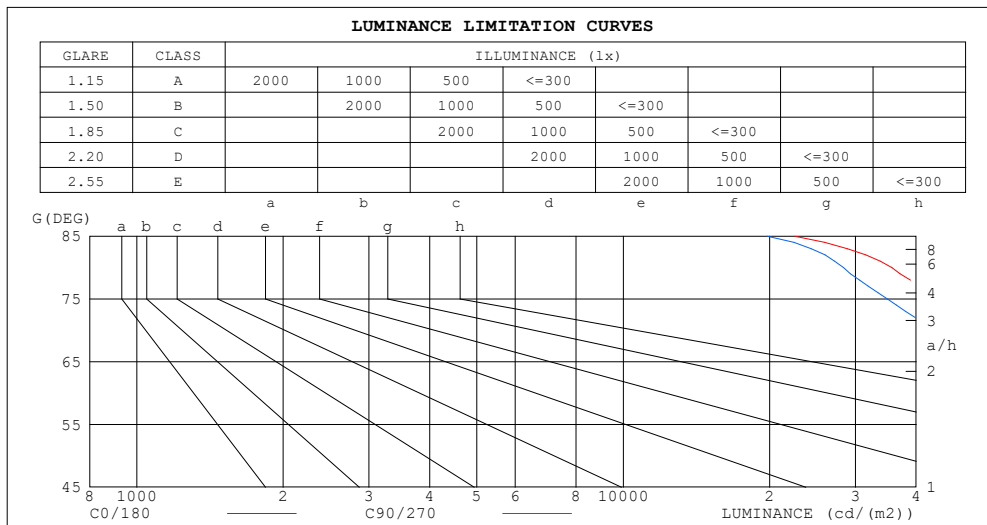
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1950	1941	1938	1940	1937	1941	1941	1953	0- 10	1846	1846	4.91,4.91
20	1959	1991	1998	1982	1978	1968	1980	1967	10- 20	5569	7415	19.7,19.7
30	1727	1877	1884	1803	1794	1907	1879	1695	20- 30	8923	16337	43.5,43.5
40	1044	1135	1175	1103	1100	1154	1093	992.8	30- 40	9367	25704	68.4,68.4
50	498.2	508.0	511.9	539.5	515.5	491.9	488.2	491.9	40- 50	5853	31557	84,84
60	241.2	230.4	221.9	257.5	247.7	229.2	215.1	229.0	50- 60	3145	34701	92.4,92.4
70	109.3	97.83	92.08	112.2	111.5	99.21	90.60	100.4	60- 70	1586	36287	96.6,96.6
80	38.15	32.98	30.35	38.29	40.71	33.82	30.81	36.18	70- 80	683.6	36971	98.4,98.4
90	0.3799	0.3468	0.3486	0.3749	2.722	2.717	2.722	2.770	80- 90	155.9	37127	98.8,98.8
100	0.9317	0.8514	0.8564	0.8795	3.373	3.359	3.354	3.431	90-100	19.70	37147	98.9,98.9
110	2.062	1.971	1.948	1.934	4.461	4.492	4.496	4.556	100-110	27.76	37174	99,99
120	4.185	4.183	4.099	3.881	6.268	6.506	6.537	6.493	110-120	41.22	37216	99.1,99.1
130	7.194	7.271	7.149	6.753	8.883	9.316	9.379	9.237	120-130	59.51	37275	99.2,99.2
140	10.28	10.36	10.24	9.859	11.65	12.06	12.13	12.02	130-140	74.35	37349	99.4,99.4
150	12.87	12.91	12.90	12.61	13.98	14.23	14.19	14.26	140-150	77.07	37427	99.6,99.6
160	15.47	15.62	15.58	15.26	16.26	16.49	16.38	16.38	150-160	67.53	37494	99.8,99.8
170	18.49	18.56	18.48	18.21	18.75	19.02	18.96	18.90	160-170	48.72	37543	100,100
180	19.94	19.98	19.95	19.92	19.93	19.98	19.93	19.92	170-180	18.39	37561	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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22530	19796
80	35696	28397
75	43145	34928
70	51928	43746
65	63412	56425
60	78381	72115
55	98237	94794
50	125955	129418
45	168414	178922

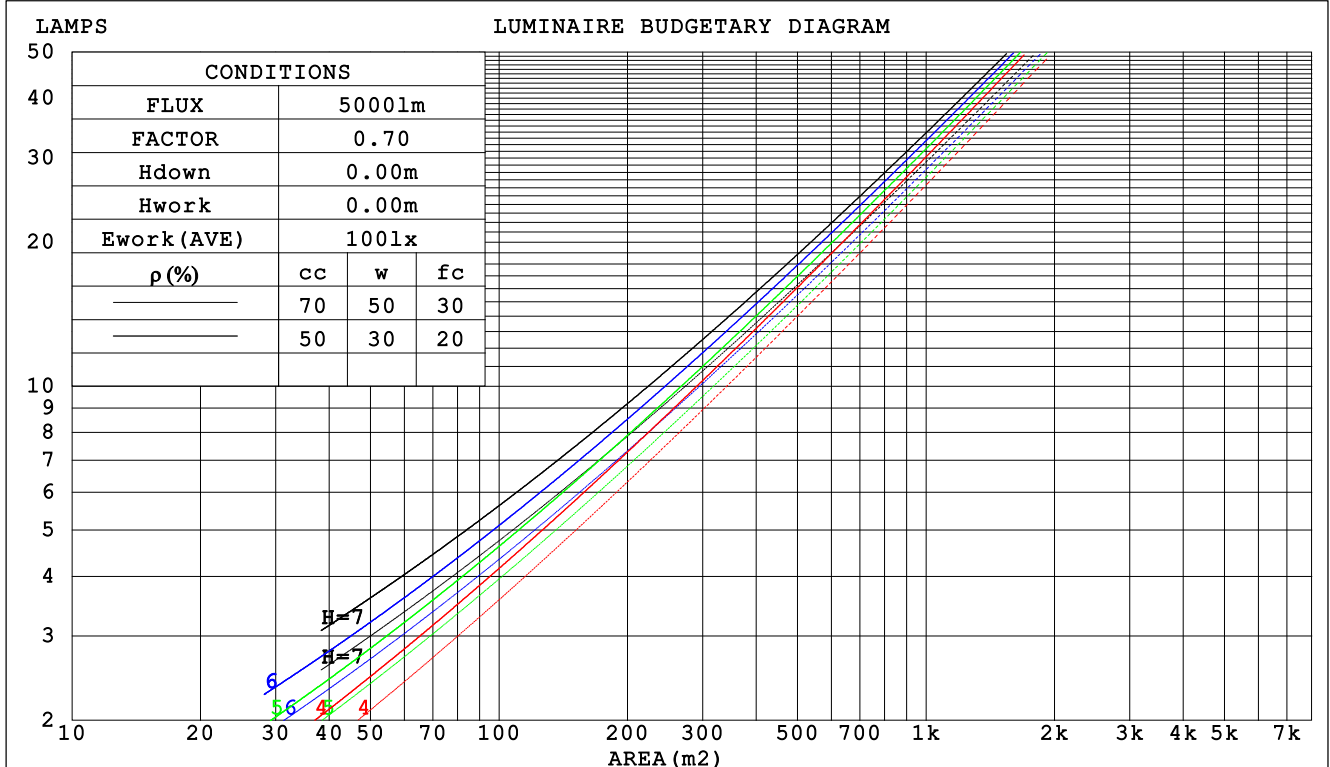
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz		
Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz		
Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz										
Lamp Flux:37561.2x1 lm										
NAME: ASD-UHB2A-HV-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	26.3	27.4	26.8	27.8	28.2	26.8	27.9	27.2	28.2	28.6
6H	26.5	27.5	26.9	27.9	28.3	26.9	27.9	27.3	28.3	28.7
8H	26.5	27.5	27.0	27.9	28.3	26.9	27.8	27.4	28.3	28.7
12H	26.5	27.4	27.0	27.8	28.3	26.9	27.8	27.4	28.2	28.7
4H 2H	25.5	26.6	25.9	27.0	27.4	26.1	27.1	26.5	27.5	27.9
3H	26.5	27.4	26.9	27.8	28.2	27.0	27.9	27.4	28.3	28.7
4H	26.8	27.6	27.3	28.0	28.5	27.3	28.1	27.8	28.5	29.0
6H	27.1	27.7	27.5	28.2	28.7	27.5	28.2	28.0	28.7	29.1
8H	27.1	27.7	27.6	28.2	28.7	27.6	28.2	28.0	28.6	29.1
12H	27.1	27.7	27.6	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	27.7	27.8	28.3	28.8	27.8	28.2	28.3	28.7	29.3
12H	27.3	27.7	27.9	28.2	28.8	27.8	28.2	28.3	28.7	29.3
12H 4H	26.8	27.4	27.4	27.9	28.4	27.4	27.9	27.9	28.4	28.9
6H	27.2	27.6	27.7	28.1	28.7	27.7	28.1	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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

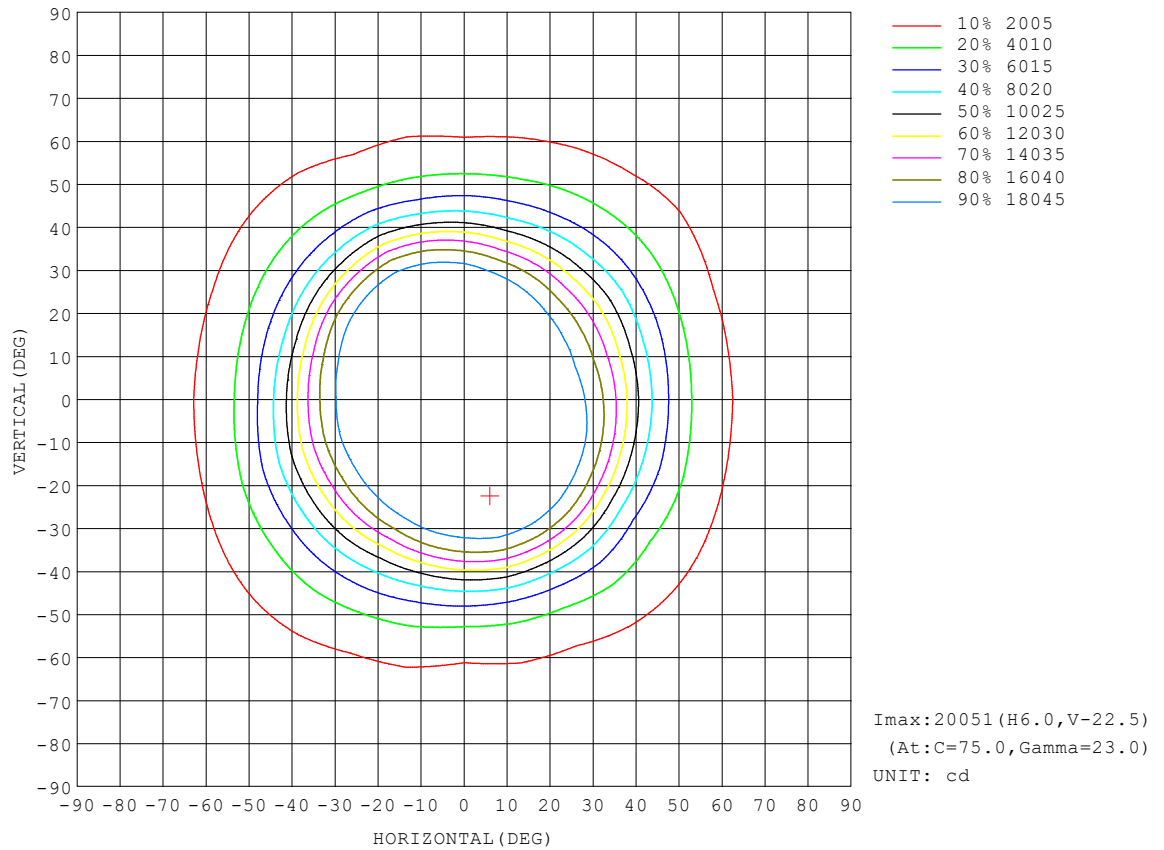
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

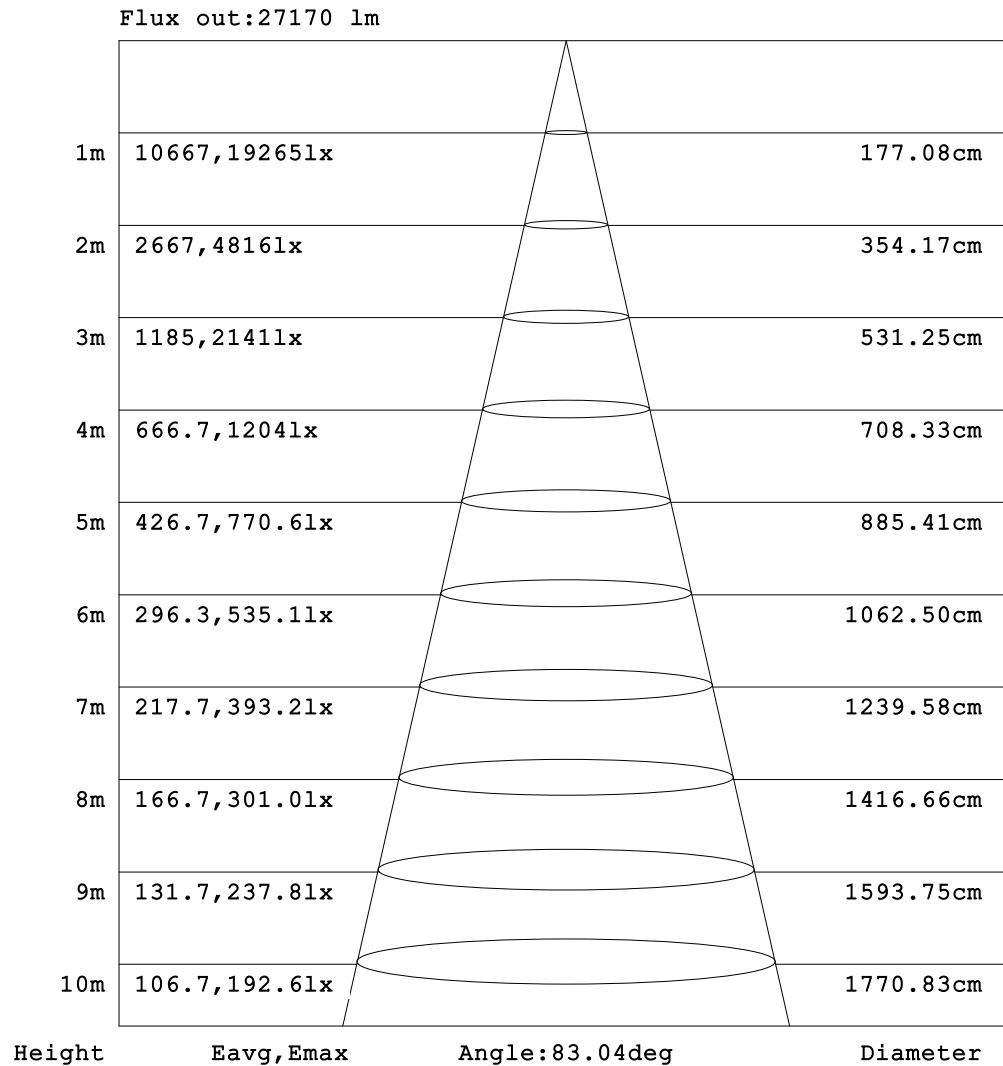


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	



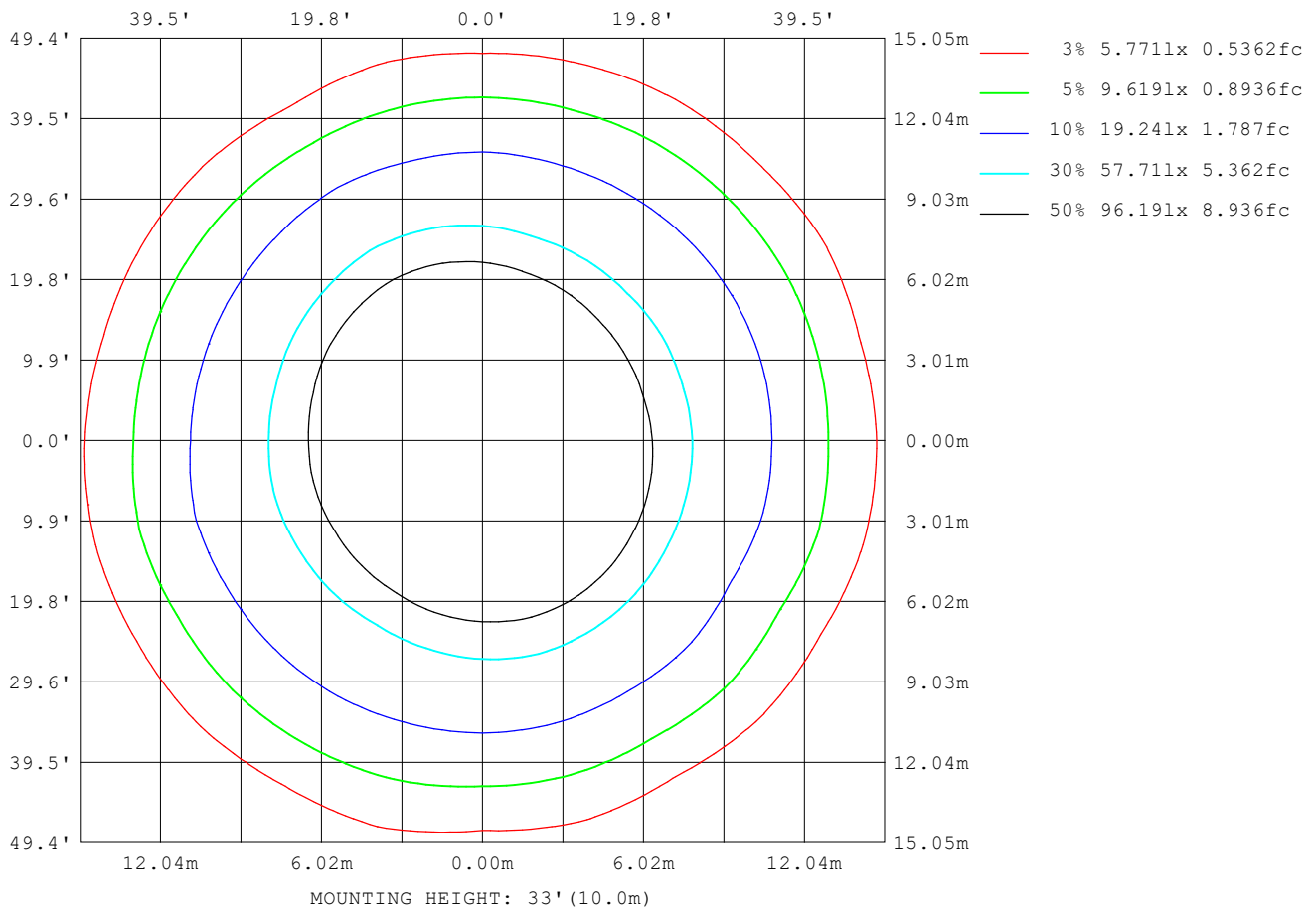
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

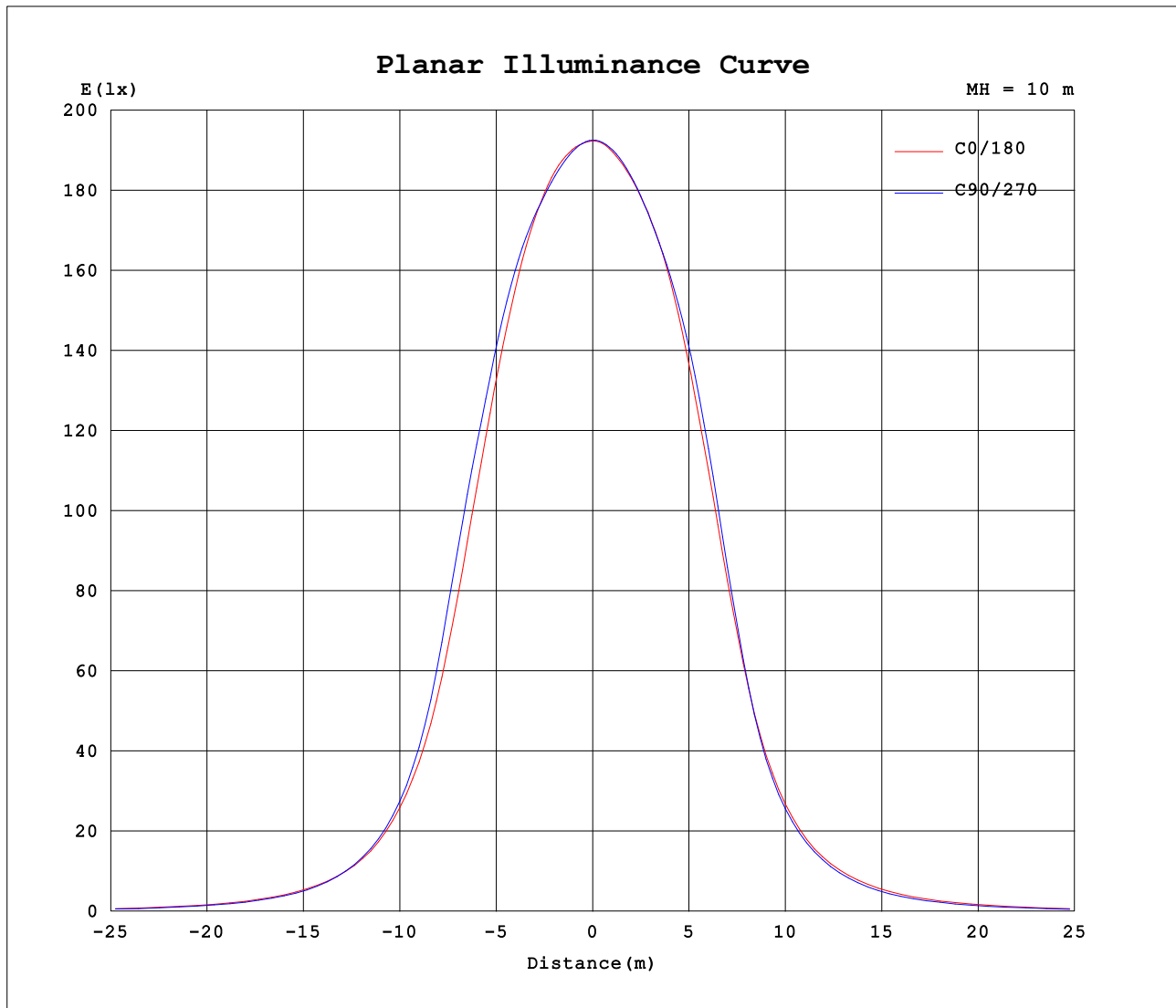
Test:U:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	



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:278.45V I:0.7419A P:205.84W PF:0.9964 Freq:49.97Hz Lamp Flux:37561.2x1 lm		
NAME: ASD-UHB2A-HV-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	1924	1924	1924	1924	1925	1924	1925	1925	1926	1926	1926	1926	1924	1924	1924	1924	1925	1924	1925
5	1930	1929	1928	1928	1926	1926	1927	1927	1928	1929	1928	1929	1926	1927	1928	1931	1930	1929	1929
10	1950	1948	1945	1941	1937	1935	1938	1938	1939	1940	1940	1939	1937	1938	1937	1941	1941	1941	1941
15	1966	1966	1967	1967	1963	1959	1963	1965	1967	1966	1963	1962	1959	1958	1954	1954	1956	1956	1959
20	1959	1970	1982	1991	1994	1994	1998	1995	1989	1982	1979	1978	1978	1979	1971	1968	1965	1972	1980
25	1894	1925	1952	1980	1998	2001	1991	1976	1963	1950	1937	1940	1940	1958	1971	1970	1967	1977	1984
30	1727	1786	1830	1877	1912	1918	1884	1864	1828	1803	1791	1800	1794	1823	1876	1907	1922	1911	1879
35	1429	1480	1536	1614	1664	1683	1642	1585	1511	1499	1486	1507	1501	1524	1597	1643	1692	1647	1562
40	1044	1049	1066	1135	1176	1216	1175	1121	1082	1103	1106	1132	1100	1088	1123	1154	1210	1158	1093
45	733	724	705	753	754	787	779	763	762	775	782	801	759	735	740	748	775	739	725
50	498	511	477	508	492	505	512	522	535	539	537	555	515	512	499	492	496	483	488
55	347	351	332	344	325	346	335	367	363	375	368	374	359	345	343	338	317	334	324
60	241	237	232	230	218	236	222	256	245	257	254	250	248	231	231	229	209	231	215
65	165	155	158	152	144	159	147	172	162	172	171	166	170	153	154	153	137	156	142
70	109	98.3	103	97.8	91.0	103	92.1	111	104	112	113	105	112	97.4	101	99.2	88.2	101	90.6
75	68.7	60.6	62.2	60.1	54.3	63.0	55.6	69.1	64.1	70.2	71.9	67.4	72.3	61.0	62.8	61.2	54.4	62.9	55.1
80	38.1	33.4	33.8	33.0	29.1	34.3	30.3	38.1	36.1	38.3	40.9	36.3	40.7	33.9	35.4	33.8	30.6	34.7	30.8
85	12.1	11.7	11.1	11.4	9.93	11.6	10.6	13.2	12.7	13.5	14.5	13.7	15.1	13.2	13.7	12.7	12.4	12.6	12.1
90	0.38	0.37	0.36	0.35	0.34	0.34	0.35	0.36	0.37	0.37	0.37	0.37	2.72	2.73	2.71	2.72	2.70	2.71	2.72
95	0.60	0.58	0.57	0.55	0.55	0.54	0.55	0.55	0.57	0.58	0.58	0.58	3.00	3.01	2.99	2.99	2.97	2.98	2.99
100	0.93	0.89	0.89	0.85	0.86	0.84	0.86	0.85	0.88	0.88	0.90	0.88	3.37	3.38	3.35	3.36	3.33	3.36	3.35
105	1.40	1.35	1.35	1.31	1.31	1.29	1.30	1.29	1.33	1.32	1.36	1.33	3.86	3.86	3.84	3.84	3.83	3.85	3.84
110	2.06	2.00	2.01	1.97	1.99	1.94	1.95	1.91	1.95	1.93	1.98	1.95	4.46	4.47	4.46	4.49	4.49	4.53	4.50
115	2.98	2.94	2.96	2.93	2.96	2.89	2.88	2.79	2.81	2.77	2.82	2.79	5.25	5.29	5.28	5.37	5.39	5.44	5.39
120	4.18	4.15	4.22	4.18	4.24	4.13	4.10	3.96	3.94	3.88	3.92	3.89	6.27	6.35	6.37	6.51	6.53	6.60	6.54
125	5.62	5.61	5.70	5.67	5.73	5.60	5.56	5.38	5.34	5.23	5.27	5.22	7.50	7.62	7.68	7.85	7.89	7.97	7.90
130	7.19	7.20	7.30	7.27	7.33	7.20	7.15	6.96	6.89	6.75	6.78	6.73	8.88	9.04	9.12	9.32	9.35	9.45	9.38
135	8.78	8.80	8.90	8.87	8.92	8.79	8.74	8.56	8.48	8.33	8.34	8.30	10.3	10.5	10.6	10.8	10.8	10.9	10.8
140	10.3	10.3	10.4	10.4	10.4	10.3	10.2	10.1	10.0	9.86	9.87	9.82	11.7	11.8	11.9	12.1	12.1	12.1	12.1
145	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.5	11.4	11.3	11.3	11.2	12.9	13.0	13.1	13.2	13.2	13.2	13.2
150	12.9	12.9	12.9	12.9	13.0	12.9	12.9	12.8	12.7	12.6	12.6	12.6	14.0	14.1	14.1	14.2	14.2	14.2	14.2
155	14.1	14.1	14.2	14.2	14.3	14.2	14.2	14.1	14.0	13.9	13.9	13.9	15.1	15.2	15.2	15.3	15.2	15.2	15.2
160	15.5	15.5	15.6	15.6	15.7	15.6	15.6	15.4	15.4	15.3	15.3	15.2	16.3	16.4	16.4	16.5	16.4	16.5	16.4
165	17.0	17.1	17.2	17.2	17.2	17.1	17.1	16.9	16.9	16.7	16.7	16.7	17.5	17.7	17.7	17.8	17.8	17.8	17.8
170	18.5	18.5	18.6	18.6	18.6	18.5	18.5	18.4	18.3	18.2	18.2	18.2	18.8	18.9	18.9	19.0	19.0	19.0	19.0
175	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.4	19.4	19.3	19.4	19.3	19.6	19.6	19.7	19.7	19.7	19.7	19.7
180	19.9	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.9	19.9	19.9	20.0	19.9	20.0	20.0	20.0	20.0	20.0	19.9

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:8.000m [K=1.0000]
Remarks:

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NAME: ASD-UHB2A-HV-NEOX-200BK	TYPE: NEOX	
SPEC.: 200W 5000K	DIM.:	
MFR.: ASD LIGHTING CORP	SUR.:	

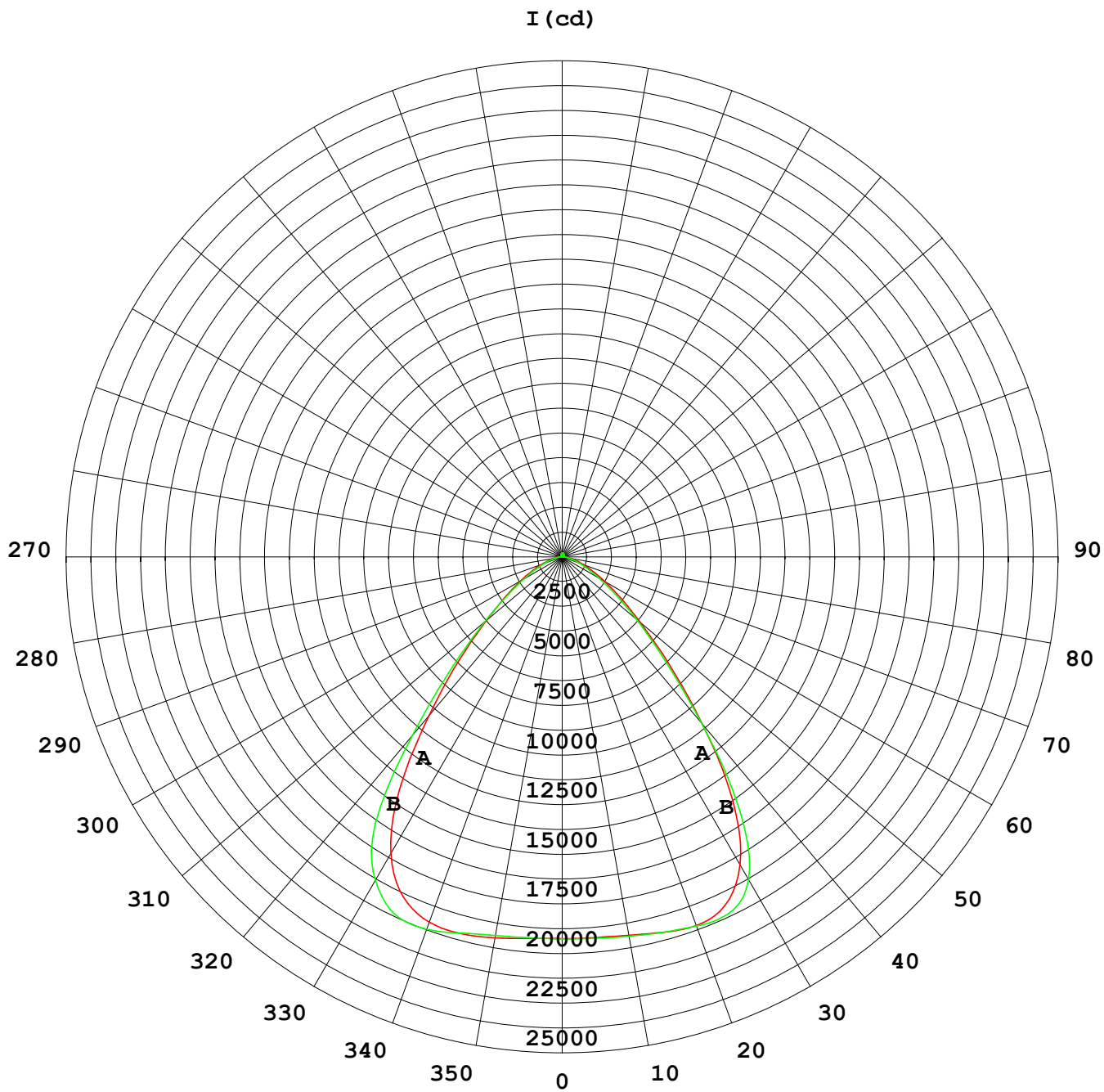
Table--2

UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1925	1926	1926	1926	1926														
5	1931	1932	1934	1935	1936														
10	1947	1949	1953	1954	1956														
15	1965	1970	1973	1972	1970														
20	1985	1978	1967	1958	1955														
25	1961	1924	1884	1865	1862														
30	1803	1747	1695	1674	1675														
35	1459	1413	1366	1374	1378														
40	1017	1005	993	1020	1012														
45	697	696	699	720	720														
50	478	484	492	496	505														
55	330	338	337	350	337														
60	227	233	229	240	224														
65	154	157	155	164	149														
70	101	103	100	108	95.7														
75	63.1	64.5	64.4	70.6	60.6														
80	35.6	36.5	36.2	40.2	34.1														
85	12.7	13.4	12.9	14.1	12.6														
90	2.74	2.75	2.77	2.76	2.77														
95	3.02	3.03	3.06	3.05	3.06														
100	3.40	3.40	3.43	3.42	3.44														
105	3.88	3.88	3.92	3.92	3.94														
110	4.52	4.50	4.56	4.55	4.59														
115	5.39	5.34	5.40	5.39	5.44														
120	6.53	6.45	6.49	6.46	6.53														
125	7.89	7.77	7.80	7.75	7.82														
130	9.37	9.23	9.24	9.16	9.24														
135	10.8	10.7	10.7	10.6	10.7														
140	12.2	12.0	12.0	11.9	12.0														
145	13.3	13.2	13.2	13.1	13.1														
150	14.3	14.2	14.3	14.2	14.2														
155	15.2	15.2	15.3	15.2	15.3														
160	16.4	16.3	16.4	16.4	16.5														
165	17.8	17.7	17.7	17.7	17.7														
170	19.0	18.9	18.9	18.9	18.9														
175	19.7	19.6	19.7	19.6	19.7														
180	19.9	19.9	19.9	19.9	20.0														

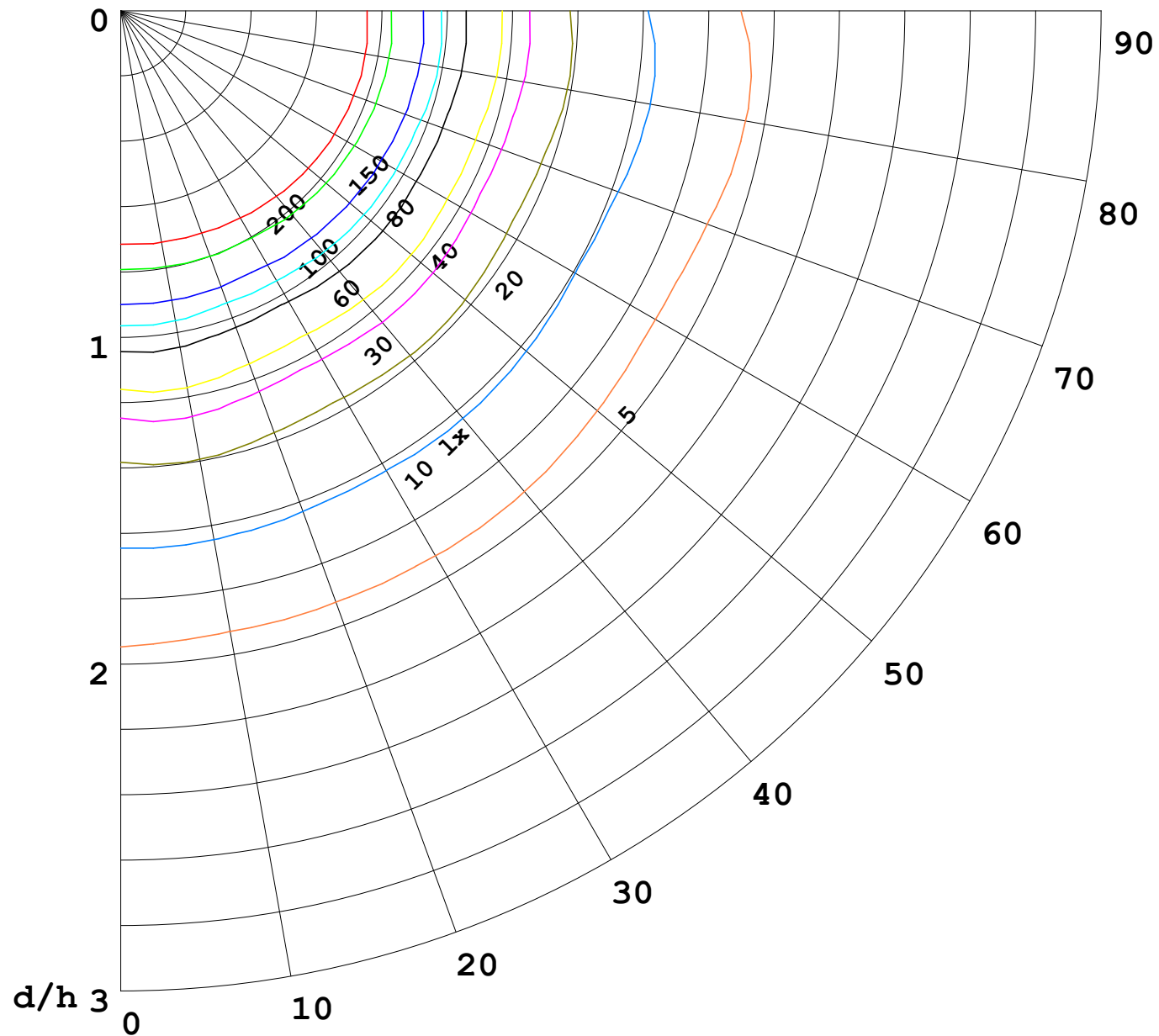
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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

