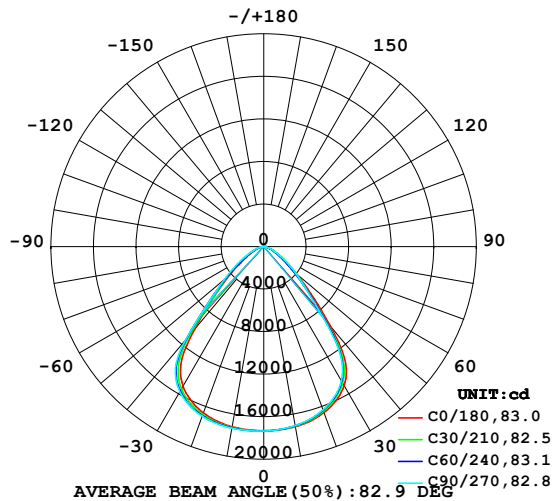


LUMINAIRE PHOTOMETRIC TEST REPORT

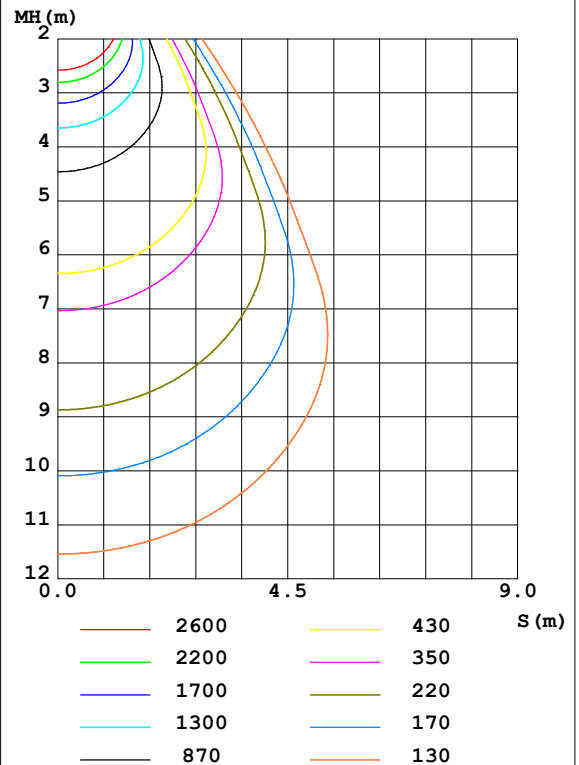
Test:U:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.68 lm/W			
MODEL	ASD-UHB2A-ST-200BK	I _{max} (cd)	17358	S/MH(C0/180)	1.20
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	31946	η UP,DN(C0-180)	0.5,47.5
NOMINAL FLUX(lm)	31945.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,51.4
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	98.9	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:2025-4-15

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:

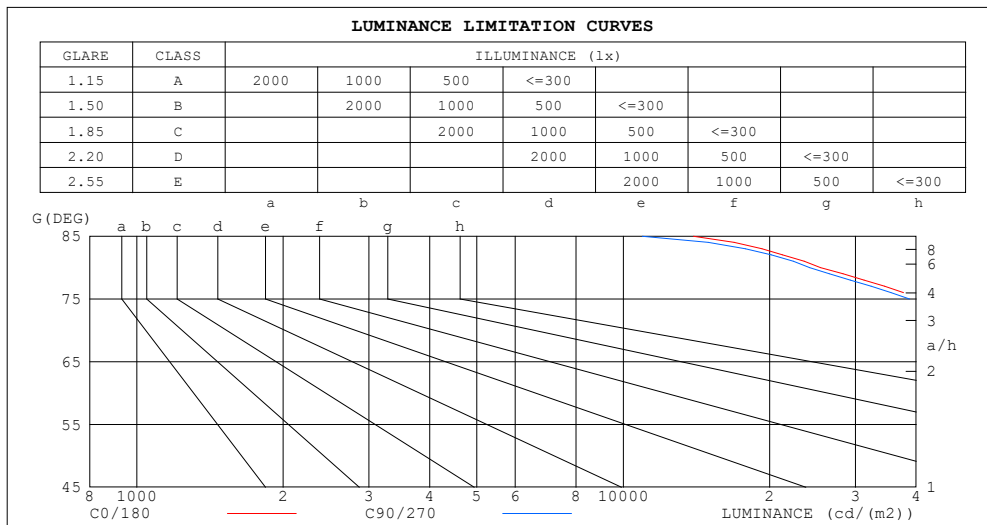
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1719	1713	1709	1715	1719	1728	1733	1730	0- 10	1649	1649	5.16,5.16
20	1661	1642	1633	1645	1663	1685	1696	1686	10- 20	4804	6453	20.2,20.2
30	1512	1481	1461	1487	1518	1556	1577	1558	20- 30	7396	13849	43.4,43.4
40	968.6	906.1	863.6	920.3	1010	1092	1143	1082	30- 40	8252	22101	69.2,69.2
50	399.3	371.8	398.7	404.6	425.1	439.2	488.7	450.2	40- 50	5052	27153	85,85
60	171.1	162.0	179.4	183.0	173.9	198.2	224.2	207.1	50- 60	2620	29773	93.2,93.2
70	72.57	67.88	72.10	75.88	75.56	83.29	94.31	85.38	60- 70	1255	31028	97.1,97.1
80	16.79	15.24	15.94	17.75	19.74	22.26	24.69	22.20	70- 80	479.5	31507	98.6,98.6
90	0.3541	0.3708	0.3951	0.3668	1.169	1.146	1.147	1.155	80- 90	78.93	31586	98.9,98.9
100	0.8049	0.8472	0.8981	0.8350	1.709	1.651	1.647	1.683	90-100	10.69	31597	98.9,98.9
110	1.809	1.904	1.993	1.856	2.766	2.646	2.598	2.694	100-110	18.04	31615	99,99
120	3.773	3.976	4.108	3.902	4.749	4.547	4.424	4.615	110-120	31.43	31647	99.1,99.1
130	6.395	6.674	6.836	6.601	7.469	7.215	7.046	7.290	120-130	49.90	31696	99.2,99.2
140	9.013	9.326	9.518	9.297	10.05	9.795	9.654	9.886	130-140	63.80	31760	99.4,99.4
150	11.31	11.61	11.82	11.66	12.20	11.97	11.88	12.05	140-150	67.11	31827	99.6,99.6
160	13.75	14.03	14.21	14.05	14.28	14.08	13.95	14.12	150-160	59.41	31887	99.8,99.8
170	16.13	16.30	16.41	16.33	16.38	16.27	16.17	16.26	160-170	42.84	31930	99.9,99.9
180	17.33	17.35	17.37	17.36	17.32	17.36	17.37	17.36	170-180	16.00	31946	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:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13938	10944
80	25445	24161
75	40577	38796
70	55844	55486
65	70099	71936
60	90050	94447
55	120035	125570
50	163479	163260
45	234006	210540

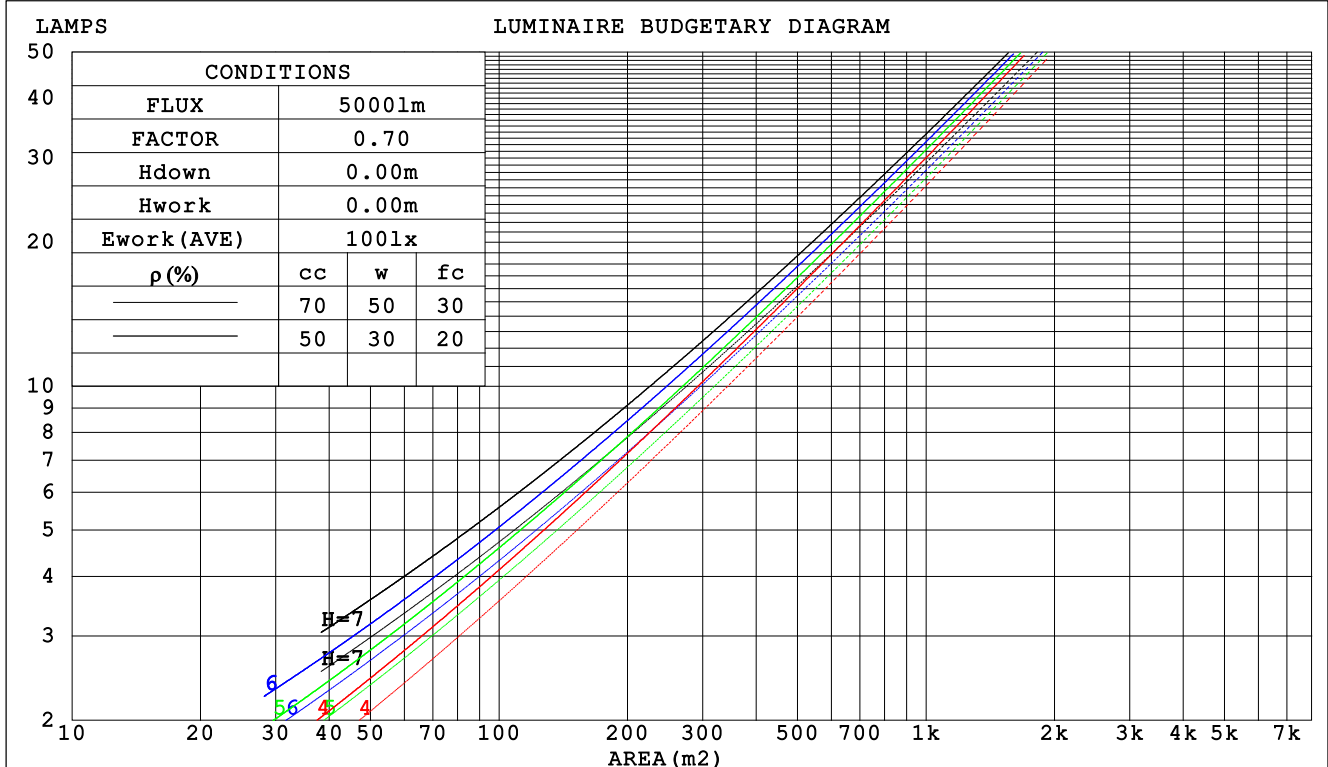
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz		
Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

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	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	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.98	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.83	.81	.79
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.73	.79	.75	.72	.70
4.0	.80	.73	.68	.79	.73	.67	.77	.71	.66	.74	.69	.66	.72	.68	.65	.63
5.0	.73	.66	.61	.72	.65	.60	.70	.64	.60	.68	.63	.59	.66	.62	.58	.56
6.0	.67	.60	.54	.66	.59	.54	.65	.58	.54	.63	.57	.53	.61	.56	.53	.51
7.0	.62	.54	.49	.61	.54	.49	.60	.53	.49	.58	.52	.48	.57	.52	.48	.46
8.0	.57	.50	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
9.0	.53	.46	.41	.52	.45	.41	.51	.45	.40	.50	.44	.40	.49	.44	.40	.38
10.0	.49	.42	.38	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.37	.35



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz		
Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

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	.227	.129	.041	.220	.125	.040	.207	.118	.038	.194	.112	.036	.183	.106	.034		
2.0	.221	.121	.037	.214	.118	.036	.203	.113	.035	.192	.108	.034	.182	.103	.032		
3.0	.210	.112	.033	.205	.110	.033	.194	.105	.032	.185	.101	.031	.176	.098	.030		
4.0	.199	.103	.030	.194	.102	.030	.185	.098	.029	.177	.095	.029	.169	.092	.028		
5.0	.188	.096	.028	.184	.094	.028	.176	.092	.027	.169	.089	.026	.162	.086	.026		
6.0	.178	.089	.026	.174	.088	.025	.167	.086	.025	.161	.083	.025	.154	.081	.024		
7.0	.169	.083	.024	.165	.082	.023	.159	.080	.023	.153	.078	.023	.147	.077	.022		
8.0	.160	.078	.022	.157	.077	.022	.151	.075	.022	.146	.074	.021	.141	.072	.021		
9.0	.152	.073	.020	.149	.073	.020	.144	.071	.020	.139	.070	.020	.134	.068	.020		
10.0	.144	.069	.019	.142	.069	.019	.137	.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	.183	.166	.150	.157	.142	.129	.107	.098	.089	.062	.057	.052	.020	.018	.017	
2.0	.171	.141	.115	.147	.121	.100	.101	.084	.070	.058	.049	.041	.019	.016	.013	
3.0	.162	.123	.092	.139	.106	.079	.095	.073	.056	.055	.043	.033	.018	.014	.011	
4.0	.153	.109	.075	.132	.094	.065	.090	.065	.046	.052	.038	.027	.017	.012	.009	
5.0	.146	.098	.062	.125	.085	.054	.086	.059	.038	.050	.035	.023	.016	.011	.007	
6.0	.139	.089	.053	.119	.077	.046	.082	.054	.033	.048	.032	.019	.015	.010	.006	
7.0	.133	.082	.046	.114	.071	.040	.079	.050	.029	.046	.029	.017	.015	.010	.006	
8.0	.127	.076	.041	.109	.066	.036	.076	.046	.025	.044	.027	.015	.014	.009	.005	
9.0	.122	.071	.037	.105	.062	.032	.073	.043	.023	.042	.026	.014	.014	.008	.004	
10.0	.117	.067	.033	.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:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz										
Lamp Flux:31945.6x1 lm										
NAME: ASD-UHB2A-ST-200BK					TYPE: UHB2A ST					
SPEC.: 200W 5000K										
MFR.: ASD LIGHTING CORP										
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	26.3	27.6	26.7	27.9	28.3	25.1	26.4	25.5	26.7	27.1
3H	27.0	28.2	27.4	28.5	28.9	25.9	27.0	26.3	27.4	27.8
4H	27.2	28.2	27.6	28.6	29.0	26.1	27.1	26.5	27.5	27.9
6H	27.2	28.2	27.7	28.6	29.0	26.1	27.1	26.6	27.5	27.9
8H	27.2	28.1	27.6	28.5	29.0	26.1	27.0	26.6	27.4	27.9
12H	27.2	28.0	27.6	28.4	28.9	26.1	26.9	26.5	27.3	27.8
4H 2H	26.4	27.5	26.9	27.9	28.3	25.4	26.5	25.9	26.9	27.3
3H	27.3	28.1	27.7	28.6	29.0	26.3	27.2	26.8	27.6	28.1
4H	27.5	28.3	28.0	28.7	29.2	26.6	27.3	27.0	27.8	28.2
6H	27.6	28.2	28.1	28.7	29.2	26.7	27.3	27.1	27.8	28.3
8H	27.6	28.2	28.0	28.6	29.1	26.6	27.3	27.1	27.7	28.2
12H	27.5	28.1	28.0	28.6	29.1	26.6	27.2	27.1	27.7	28.2
8H 4H	27.5	28.1	28.0	28.5	29.0	26.6	27.2	27.1	27.7	28.2
6H	27.6	28.1	28.1	28.6	29.1	26.7	27.2	27.2	27.7	28.2
8H	27.6	28.0	28.1	28.5	29.1	26.7	27.2	27.3	27.7	28.2
12H	27.5	27.9	28.1	28.5	29.1	26.7	27.1	27.2	27.6	28.2
12H 4H	27.4	28.0	27.9	28.5	29.0	26.6	27.1	27.1	27.6	28.1
6H	27.5	28.0	28.1	28.5	29.0	26.7	27.1	27.2	27.6	28.2
8H	27.5	27.9	28.1	28.4	29.0	26.7	27.1	27.2	27.6	28.2
CIE190: 2010										

CIE190: 2010
Area: 0.037994 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz		
Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

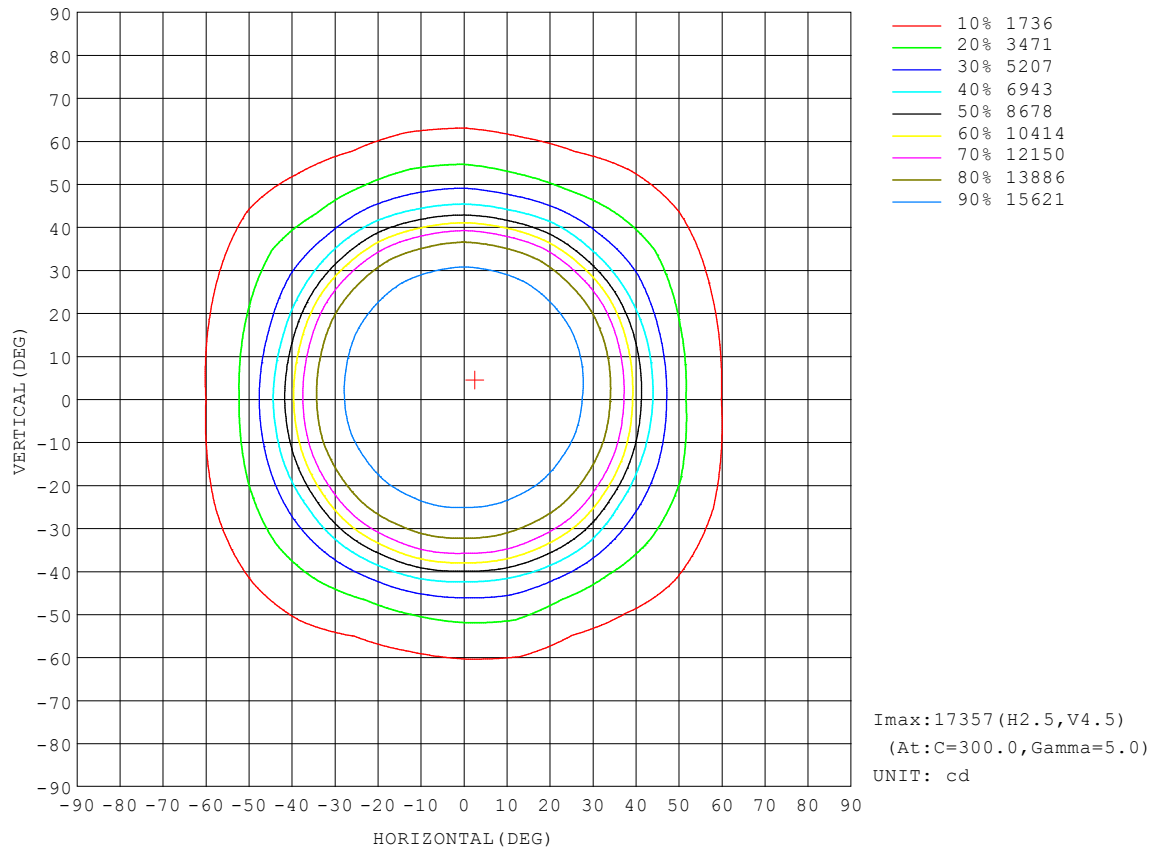
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	58	71	63	58	70	62	57	52
0.80	81	73	67	81	72	67	79	72	67	61
1.00	88	80	75	87	80	75	85	80	74	69
1.25	94	87	82	93	86	81	91	85	80	75
1.50	98	91	86	97	90	86	94	89	85	79
2.00	103	97	92	101	96	92	98	94	90	84
2.50	105	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	88
4.00	110	107	103	108	105	102	104	101	99	91
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:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

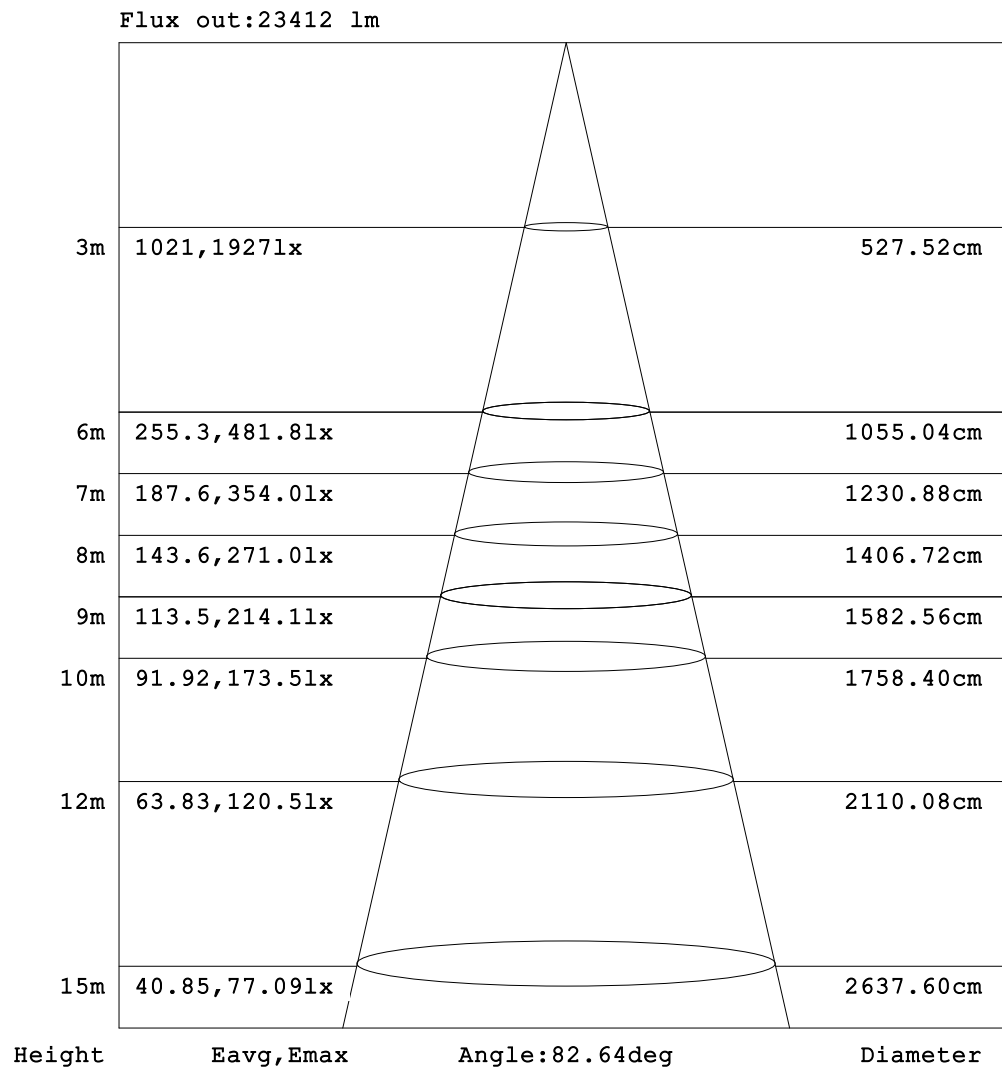


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		



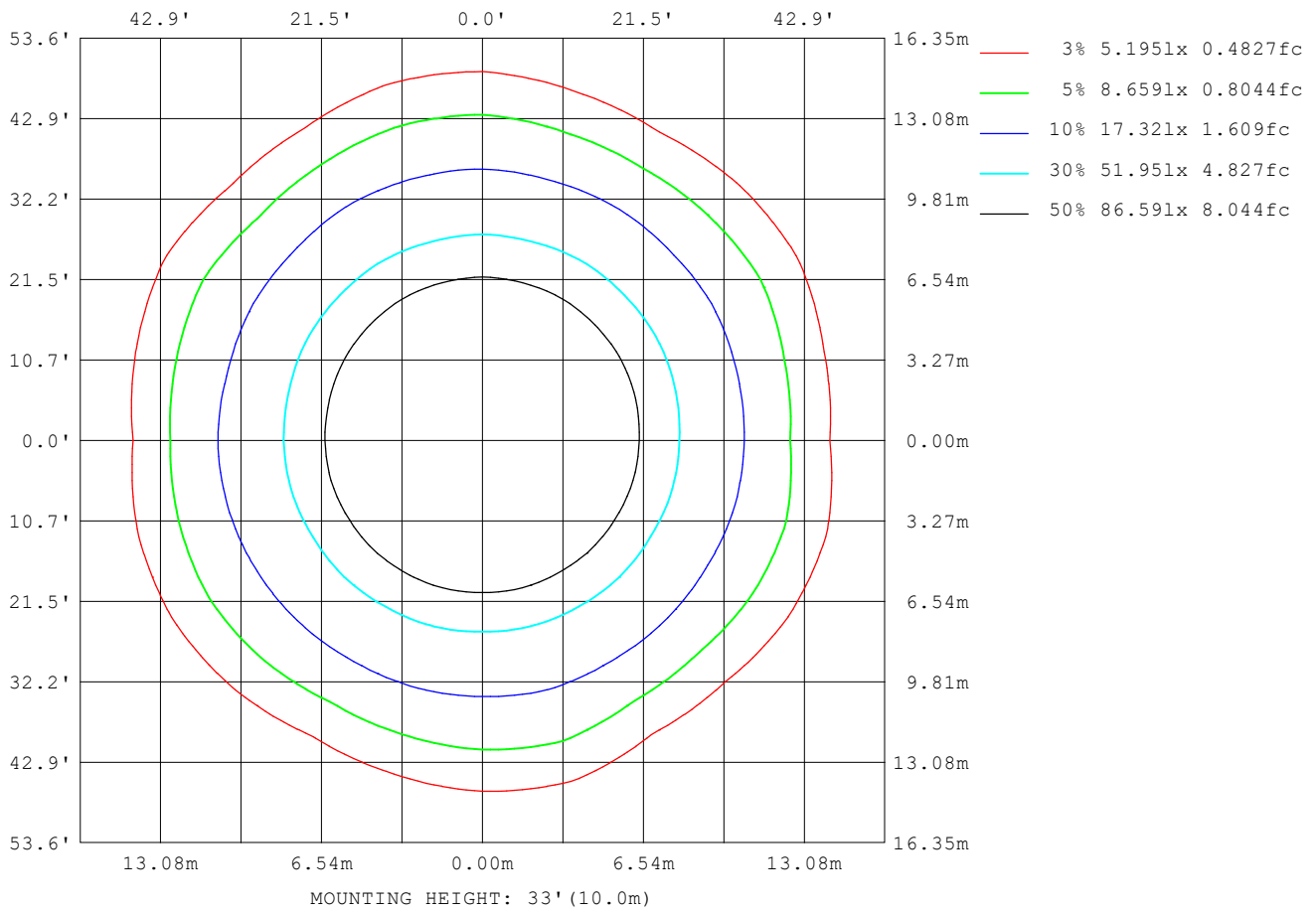
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

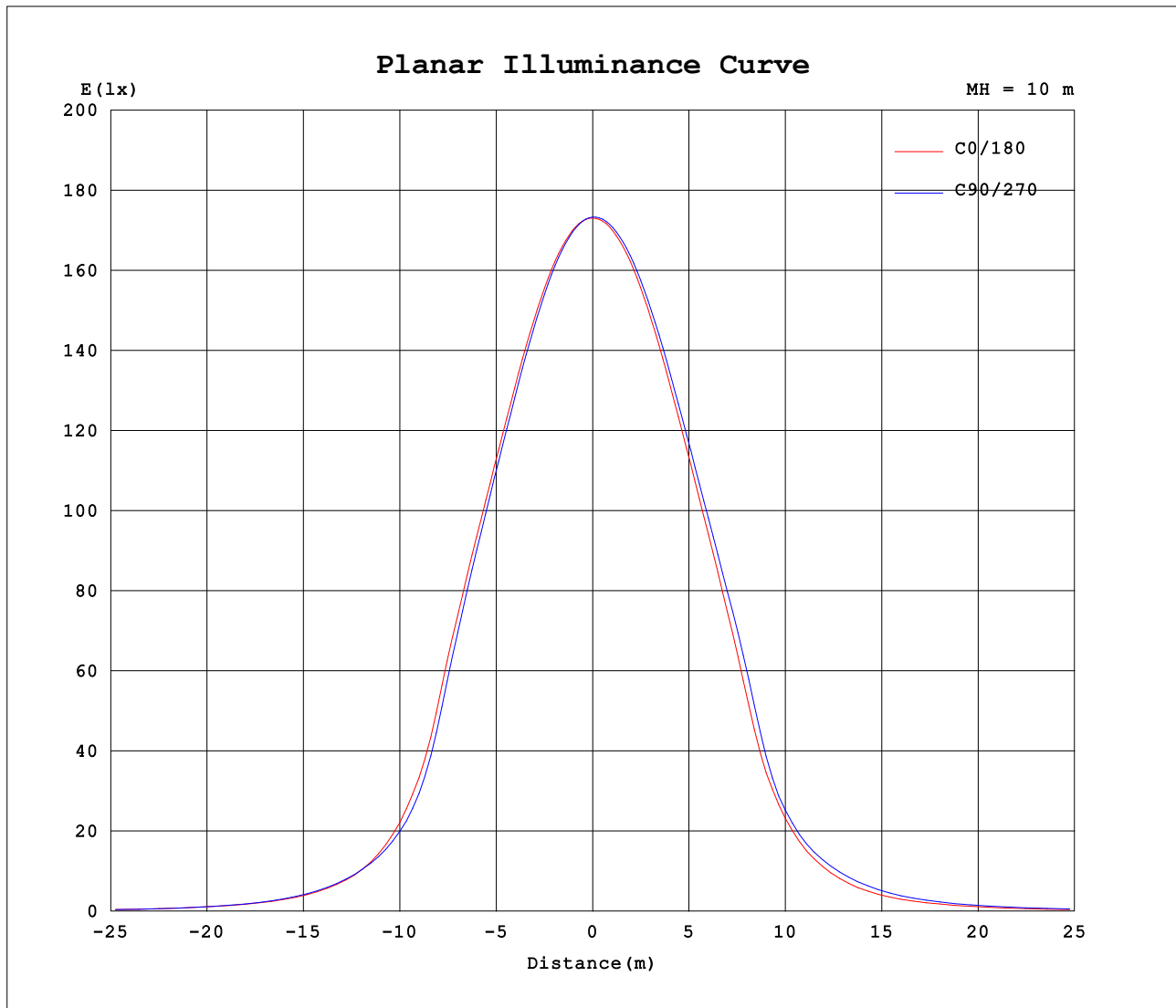
AvgL	cd/m2
L_0~180 (65) av	70917
L_0~180 (75) av	42541
L_0~180 (85) av	17833
L_90~270 (65) av	81704
L_90~270 (75) av	46726
L_90~270 (85) av	19342
L_45 (65) av	76461
L_45 (75) av	44339
L_45 (85) av	18476

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2025-4-15

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: 2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz		
Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

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	1731	1732	1732	1732	1733	1732	1734	1733	1734	1734	1735	1734	1731	1732	1732	1732	1733	1732	1734
5	1729	1729	1727	1727	1726	1726	1726	1726	1727	1728	1730	1731	1729	1730	1732	1733	1734	1734	1735
10	1719	1717	1714	1713	1711	1710	1709	1710	1712	1715	1717	1720	1719	1723	1726	1728	1730	1731	1733
15	1698	1694	1689	1686	1682	1681	1680	1682	1684	1688	1692	1697	1699	1704	1710	1714	1718	1719	1722
20	1661	1655	1647	1642	1637	1635	1633	1636	1639	1645	1650	1659	1663	1670	1679	1685	1691	1692	1696
25	1602	1594	1583	1578	1570	1568	1565	1570	1572	1582	1588	1600	1606	1616	1628	1636	1645	1647	1651
30	1512	1503	1485	1481	1467	1468	1461	1471	1472	1487	1493	1512	1518	1530	1546	1556	1570	1572	1577
35	1345	1333	1303	1299	1275	1278	1266	1283	1283	1310	1318	1349	1358	1375	1405	1419	1442	1442	1451
40	969	952	902	906	887	885	864	889	886	920	936	983	1010	1027	1078	1092	1135	1126	1143
45	629	600	573	583	569	577	566	572	569	591	601	638	658	647	656	684	716	708	715
50	399	427	406	372	367	411	399	377	372	405	430	425	425	433	462	439	468	484	489
55	262	293	281	247	236	279	274	255	242	275	297	293	268	298	327	297	302	334	337
60	171	195	187	162	154	184	179	165	158	183	193	191	174	195	216	198	194	222	224
65	113	126	121	106	101	119	116	108	104	120	125	125	115	128	141	129	126	145	147
70	72.6	79.1	75.5	67.9	64.9	73.5	72.1	68.5	66.3	75.9	78.6	79.3	75.6	81.9	89.5	83.3	82.4	91.4	94.3
75	39.9	42.4	39.4	37.2	34.6	38.5	38.2	37.2	36.0	41.1	42.2	43.4	43.8	46.0	50.8	48.1	48.5	51.3	53.7
80	16.8	18.0	16.4	15.2	14.6	16.3	15.9	15.8	15.8	17.7	18.1	18.7	19.7	21.0	23.0	22.3	22.6	23.7	24.7
85	4.62	4.74	4.03	3.80	3.18	3.95	3.62	4.02	3.91	4.92	5.07	5.87	7.19	7.63	8.74	8.19	8.48	8.54	9.19
90	0.35	0.36	0.38	0.37	0.38	0.39	0.40	0.37	0.37	0.37	0.37	0.35	1.17	1.17	1.16	1.15	1.14	1.15	1.15
95	0.53	0.54	0.57	0.56	0.58	0.59	0.60	0.56	0.56	0.55	0.56	0.52	1.39	1.40	1.37	1.36	1.33	1.36	1.35
100	0.80	0.82	0.85	0.85	0.87	0.89	0.90	0.86	0.85	0.84	0.83	0.79	1.71	1.71	1.68	1.65	1.63	1.65	1.65
105	1.21	1.22	1.26	1.27	1.32	1.32	1.34	1.29	1.28	1.24	1.24	1.19	2.14	2.14	2.09	2.06	2.03	2.06	2.04
110	1.81	1.81	1.88	1.90	1.98	1.96	1.99	1.93	1.92	1.86	1.85	1.79	2.77	2.74	2.66	2.65	2.60	2.62	2.60
115	2.66	2.66	2.75	2.80	2.89	2.87	2.91	2.84	2.84	2.74	2.72	2.63	3.63	3.58	3.47	3.47	3.40	3.42	3.38
120	3.77	3.78	3.91	3.98	4.08	4.05	4.11	4.03	4.03	3.90	3.87	3.76	4.75	4.69	4.54	4.55	4.47	4.48	4.42
125	5.07	5.09	5.23	5.31	5.41	5.39	5.45	5.39	5.38	5.23	5.19	5.07	6.10	6.03	5.87	5.87	5.78	5.78	5.72
130	6.39	6.42	6.59	6.67	6.78	6.75	6.84	6.77	6.75	6.60	6.55	6.42	7.47	7.39	7.22	7.22	7.12	7.11	7.05
135	7.73	7.77	7.96	8.03	8.13	8.12	8.22	8.15	8.12	7.98	7.94	7.79	8.81	8.74	8.56	8.54	8.46	8.45	8.39
140	9.01	9.07	9.26	9.33	9.42	9.43	9.52	9.46	9.43	9.30	9.26	9.10	10.1	9.99	9.83	9.79	9.71	9.72	9.65
145	10.2	10.3	10.5	10.5	10.6	10.6	10.7	10.7	10.7	10.5	10.5	10.3	11.2	11.1	11.0	10.9	10.9	10.9	10.8
150	11.3	11.4	11.6	11.6	11.7	11.8	11.8	11.8	11.8	11.7	11.6	11.5	12.2	12.2	12.0	12.0	11.9	11.9	11.9
155	12.5	12.6	12.7	12.8	12.9	12.9	13.0	12.9	12.9	12.8	12.8	12.6	13.2	13.1	13.0	13.0	12.9	12.9	12.9
160	13.8	13.8	14.0	14.0	14.1	14.2	14.2	14.1	14.1	14.1	14.0	13.9	14.3	14.2	14.1	14.1	14.0	14.0	13.9
165	15.0	15.1	15.2	15.3	15.4	15.4	15.4	15.4	15.4	15.3	15.3	15.2	15.4	15.4	15.3	15.3	15.2	15.2	15.1
170	16.1	16.2	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.3	16.3	16.2	16.4	16.4	16.3	16.3	16.2	16.2	16.2
175	16.9	16.9	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
180	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.3	17.3	17.3	17.4	17.4	17.4	17.4

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.50V I:1.7080A P:205.20W PF:0.9970 Freq:50.04Hz Lamp Flux:31945.6x1 lm		
NAME: ASD-UHB2A-ST-200BK	TYPE: UHB2A ST	
SPEC.: 200W 5000K		
MFR.: ASD LIGHTING CORP		

Table--2

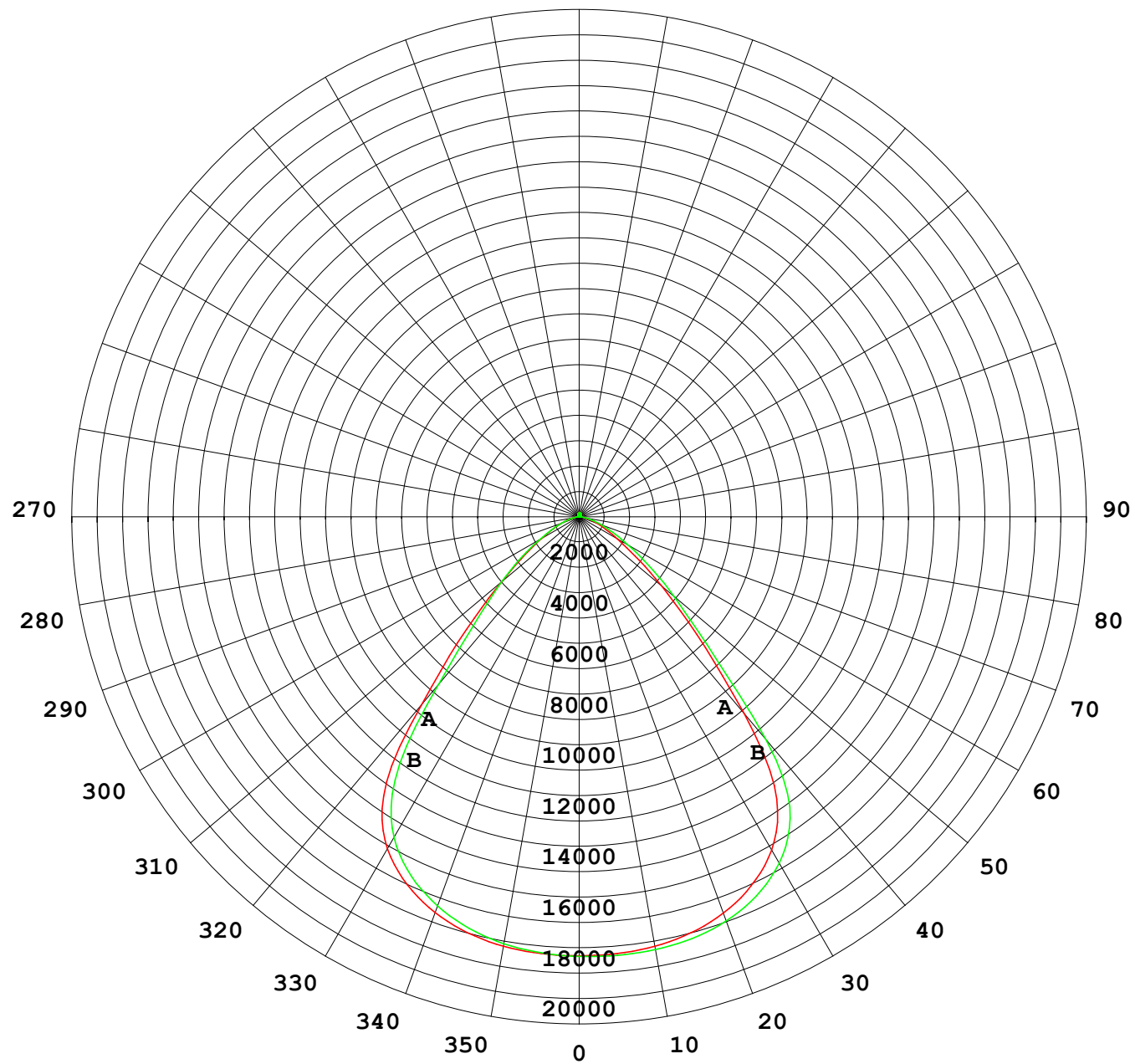
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1733	1734	1734	1735	1734														
5	1735	1736	1735	1735	1733														
10	1732	1732	1730	1729	1725														
15	1720	1720	1715	1713	1706														
20	1693	1692	1686	1682	1673														
25	1648	1646	1637	1631	1618														
30	1573	1570	1558	1549	1532														
35	1442	1441	1418	1406	1378														
40	1121	1126	1082	1071	1017														
45	693	700	659	654	651														
50	453	449	450	464	423														
55	307	288	310	321	281														
60	202	190	207	211	186														
65	133	126	136	136	122														
70	84.8	81.6	85.4	86.7	77.9														
75	48.4	47.5	48.0	48.4	43.2														
80	22.1	21.8	22.2	22.0	18.8														
85	7.85	7.93	7.57	7.74	6.22														
90	1.14	1.13	1.15	1.17	1.18														
95	1.35	1.34	1.38	1.39	1.41														
100	1.64	1.64	1.68	1.71	1.73														
105	2.05	2.04	2.10	2.13	2.17														
110	2.62	2.62	2.69	2.72	2.79														
115	3.43	3.43	3.52	3.55	3.65														
120	4.50	4.50	4.62	4.64	4.77														
125	5.81	5.82	5.94	5.96	6.11														
130	7.14	7.16	7.29	7.31	7.47														
135	8.47	8.50	8.63	8.65	8.79														
140	9.72	9.75	9.89	9.92	10.0														
145	10.9	10.9	11.0	11.1	11.2														
150	11.9	11.9	12.1	12.1	12.2														
155	12.9	12.9	13.0	13.1	13.2														
160	14.0	14.0	14.1	14.2	14.3														
165	15.2	15.2	15.3	15.3	15.4														
170	16.2	16.2	16.3	16.3	16.4														
175	17.0	17.0	17.0	17.0	17.0														
180	17.4	17.4	17.4	17.4	17.4														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

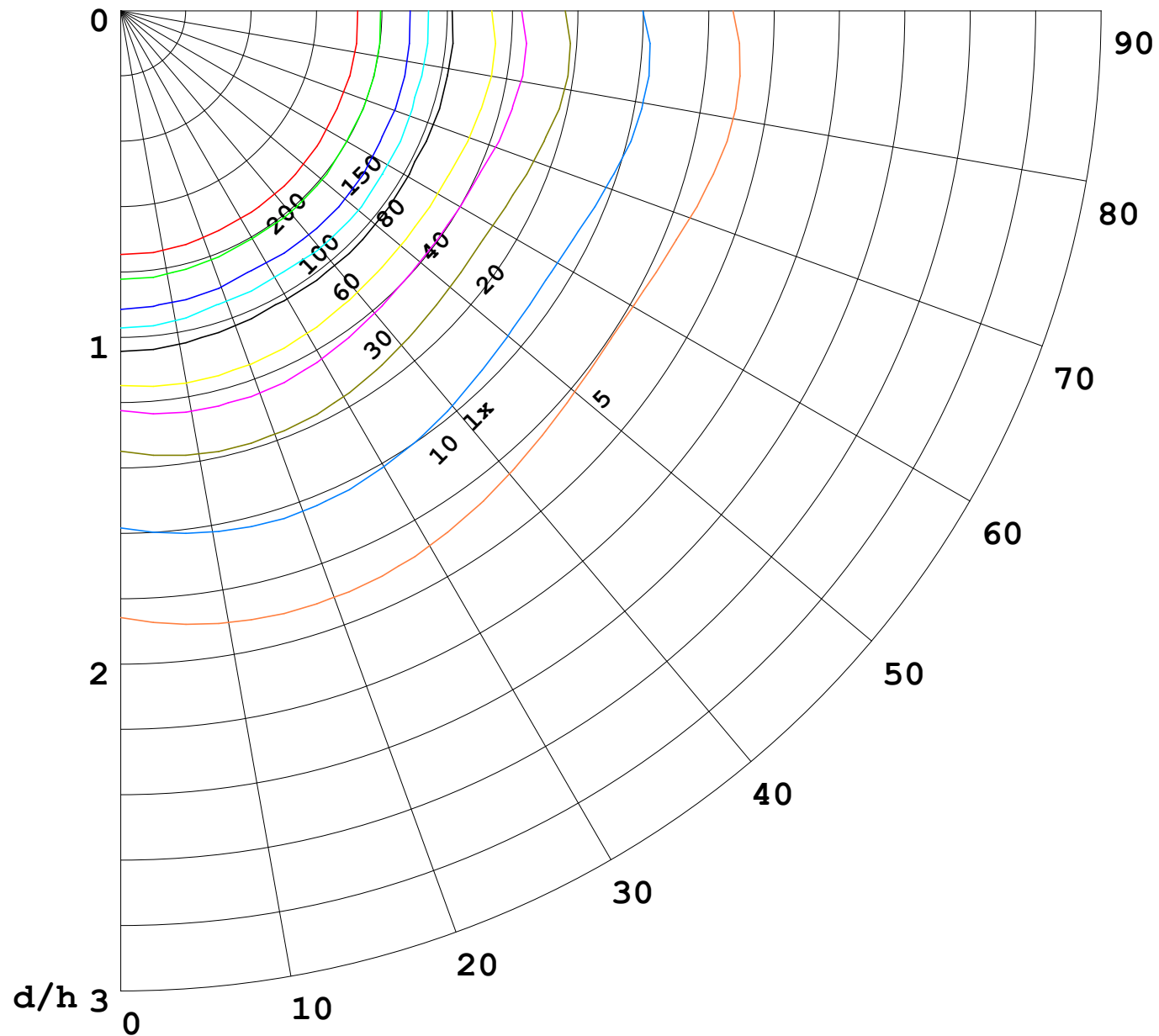
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

