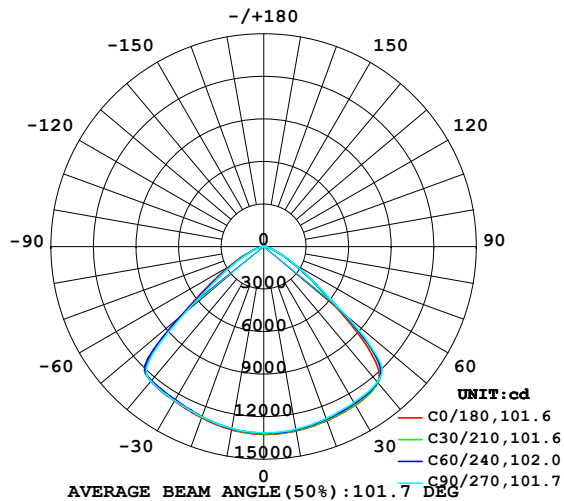


LUMINAIRE PHOTOMETRIC TEST REPORT

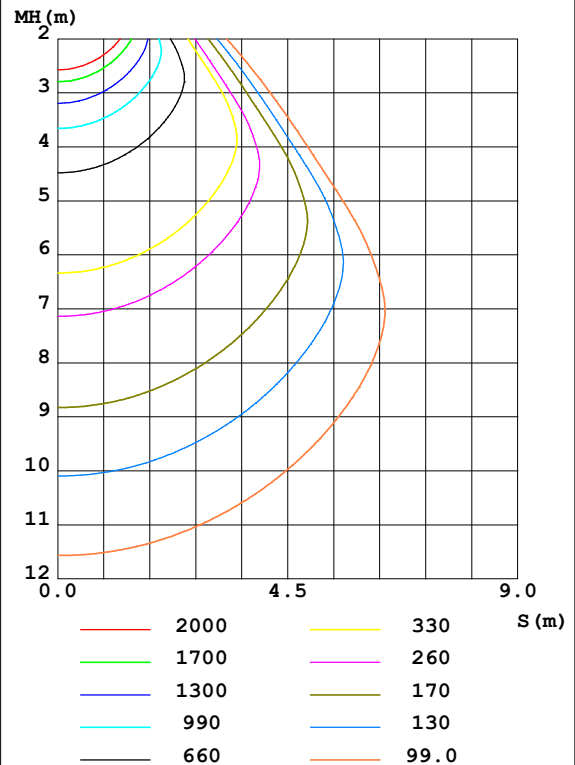
Test:U:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.66 lm/W			
MODEL ASD-UHB2A-ST-200BK-BA		I _{max} (cd)	13245	S/MH (C0/180)	1.45
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.46
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	33429	η UP, DN (C0-180)	0.5, 49.7
NOMINAL FLUX (lm)	33428.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.3
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	η down (%)	98.9	CIBSE SHR MAX	1.55

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: 27 May 2025

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:

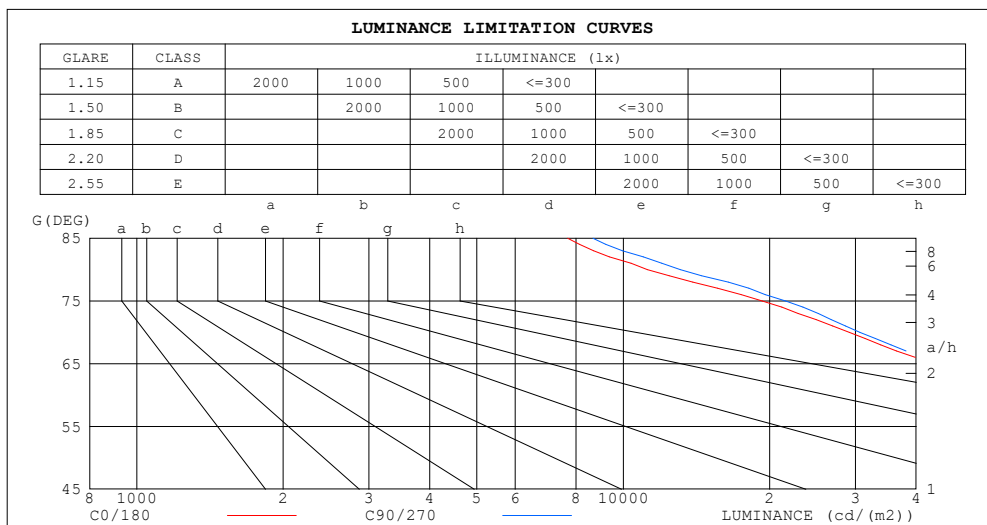
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1320	1314	1307	1300	1311	1304	1302	1302	0- 10	1252	1252	3.74,3.74
20	1306	1299	1289	1277	1285	1276	1277	1285	10- 20	3673	4925	14.7,14.7
30	1291	1283	1270	1256	1258	1247	1254	1268	20- 30	5900	10825	32.4,32.4
40	1251	1252	1247	1236	1241	1233	1238	1241	30- 40	7889	18714	56,56
50	673.2	722.3	761.1	739.2	782.8	760.3	713.3	672.9	40- 50	8316	27030	80.9,80.9
60	252.5	246.9	254.2	266.6	283.2	253.3	236.4	250.9	50- 60	3948	30978	92.7,92.7
70	80.16	79.99	84.24	89.21	90.92	82.87	76.32	83.33	60- 70	1537	32515	97.3,97.3
80	15.65	16.79	18.30	18.70	19.68	17.21	15.89	16.87	70- 80	478.6	32994	98.7,98.7
90	0.4276	0.4143	0.4160	0.3548	1.109	1.097	1.106	1.161	80- 90	73.93	33068	98.9,98.9
100	1.095	1.009	0.9611	0.9273	1.777	1.795	1.825	1.892	90-100	11.19	33079	99,99
110	2.672	2.573	2.468	2.396	3.350	3.412	3.479	3.548	100-110	22.41	33101	99,99
120	4.861	4.760	4.634	4.539	5.686	5.768	5.855	5.907	110-120	40.49	33142	99.1,99.1
130	7.030	6.949	6.847	6.753	8.022	8.064	8.110	8.169	120-130	57.33	33199	99.3,99.3
140	8.762	8.673	8.623	8.564	9.797	9.776	9.764	9.821	130-140	64.94	33264	99.5,99.5
150	10.27	10.18	10.17	10.09	11.14	11.09	11.03	11.03	140-150	62.05	33326	99.7,99.7
160	12.06	12.04	12.02	11.96	12.74	12.67	12.55	12.52	150-160	52.98	33379	99.9,99.9
170	13.36	13.38	13.37	13.38	13.71	13.61	13.47	13.36	160-170	36.46	33416	100,100
180	13.72	13.70	13.64	13.55	13.76	13.70	13.62	13.55	170-180	13.00	33429	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:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		



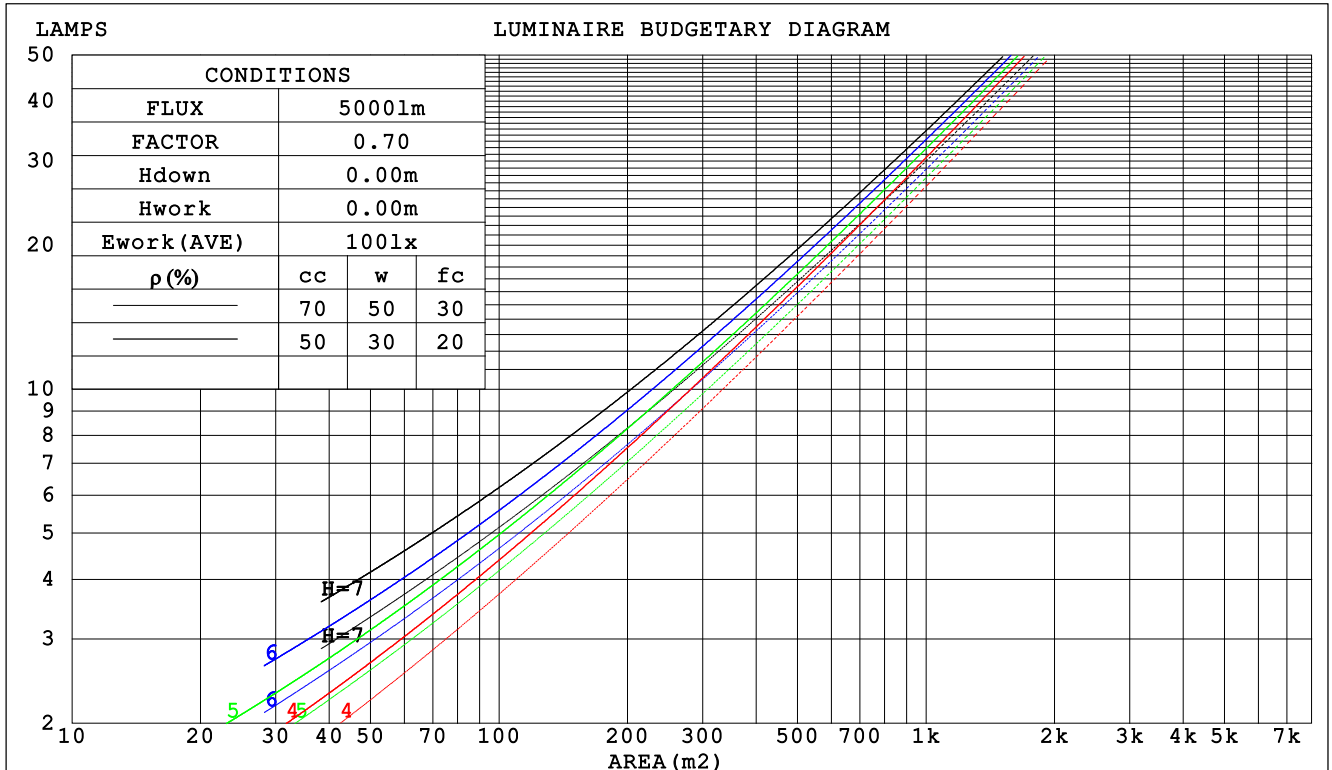
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz		
Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.00	.98	.96	.96	.94	.93	.93	.91	.90	.88
2.0	.96	.90	.86	.94	.89	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.77
3.0	.86	.79	.73	.84	.78	.73	.81	.76	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.61	.69	.64	.60	.58
5.0	.69	.61	.56	.68	.61	.55	.66	.60	.55	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.57	.51	.47	.45
7.0	.57	.49	.43	.56	.49	.43	.55	.48	.43	.53	.47	.43	.52	.46	.42	.40
8.0	.52	.44	.39	.52	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.33
10.0	.44	.37	.32	.44	.36	.32	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz		
Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
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	.243	.138	.044	.235	.134	.043	.222	.127	.041	.209	.121	.039	.198	.115	.037		
2.0	.238	.130	.040	.231	.127	.039	.219	.122	.038	.209	.117	.037	.199	.112	.035		
3.0	.227	.121	.036	.222	.119	.036	.211	.114	.035	.202	.110	.034	.193	.107	.033		
4.0	.215	.112	.033	.210	.110	.033	.201	.107	.032	.193	.103	.031	.185	.100	.031		
5.0	.203	.104	.030	.199	.102	.030	.191	.099	.029	.183	.097	.029	.176	.094	.028		
6.0	.192	.096	.028	.188	.095	.027	.181	.093	.027	.174	.090	.027	.168	.088	.026		
7.0	.182	.090	.025	.178	.089	.025	.171	.087	.025	.165	.085	.025	.160	.083	.024		
8.0	.172	.084	.024	.169	.083	.023	.163	.081	.023	.157	.080	.023	.152	.078	.023		
9.0	.162	.079	.022	.160	.078	.022	.154	.076	.022	.149	.075	.021	.145	.073	.021		
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.142	.071	.020	.138	.069	.020		

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	.148	.157	.142	.127	.108	.097	.088	.062	.056	.051	.020	.018	.017	
2.0	.173	.141	.113	.148	.121	.098	.102	.084	.068	.059	.049	.040	.019	.016	.013	
3.0	.165	.122	.089	.141	.106	.077	.097	.073	.054	.056	.043	.032	.018	.014	.010	
4.0	.157	.109	.072	.135	.094	.062	.093	.065	.044	.054	.038	.026	.017	.012	.009	
5.0	.150	.098	.060	.129	.085	.052	.089	.059	.037	.051	.035	.022	.017	.011	.007	
6.0	.143	.089	.051	.123	.077	.044	.085	.054	.031	.049	.032	.019	.016	.010	.006	
7.0	.137	.083	.044	.118	.072	.038	.082	.050	.027	.047	.030	.016	.015	.010	.005	
8.0	.132	.077	.039	.113	.067	.034	.078	.047	.024	.046	.028	.014	.015	.009	.005	
9.0	.126	.072	.035	.109	.062	.031	.075	.044	.022	.044	.026	.013	.014	.008	.004	
10.0	.121	.068	.032	.105	.059	.028	.073	.041	.020	.042	.024	.012	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz										
Lamp Flux:33428.7x1 lm										
NAME: ASD-UHB2A-ST-200BK-BA					TYPE: UHB2A-ST-BA					
SPEC.: 200W 5000K 110D										
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	25.4	26.8	25.8	27.2	27.5	25.6	27.0	26.0	27.4	27.7
3H	25.9	27.1	26.3	27.5	27.9	26.1	27.3	26.5	27.7	28.1
4H	25.9	27.1	26.4	27.5	27.9	26.2	27.3	26.6	27.7	28.1
6H	25.9	27.0	26.4	27.4	27.8	26.2	27.2	26.6	27.6	28.1
8H	25.9	26.9	26.3	27.3	27.8	26.1	27.2	26.6	27.6	28.0
12H	25.9	26.9	26.3	27.3	27.7	26.1	27.1	26.6	27.5	28.0
4H 2H	25.6	26.7	26.0	27.1	27.5	25.8	27.0	26.2	27.3	27.7
3H	26.1	27.1	26.6	27.5	27.9	26.4	27.3	26.8	27.8	28.2
4H	26.2	27.1	26.7	27.5	28.0	26.5	27.4	27.0	27.8	28.3
6H	26.3	27.0	26.7	27.5	28.0	26.5	27.3	27.0	27.7	28.2
8H	26.2	26.9	26.7	27.4	27.9	26.5	27.2	27.0	27.7	28.2
12H	26.2	26.8	26.7	27.3	27.8	26.5	27.1	27.0	27.6	28.1
8H 4H	26.2	26.9	26.7	27.4	27.9	26.5	27.2	27.0	27.6	28.1
6H	26.2	26.8	26.7	27.3	27.8	26.5	27.1	27.0	27.6	28.1
8H	26.2	26.7	26.7	27.2	27.8	26.5	27.0	27.0	27.6	28.1
12H	26.2	26.6	26.7	27.1	27.7	26.5	26.9	27.0	27.5	28.1
12H 4H	26.2	26.8	26.7	27.3	27.8	26.5	27.1	27.0	27.6	28.1
6H	26.2	26.7	26.7	27.2	27.8	26.5	27.0	27.0	27.5	28.1
8H	26.2	26.6	26.7	27.1	27.7	26.5	26.9	27.0	27.5	28.0
CIE190: 2010										

CIE190: 2010
Area: 0.080384 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		

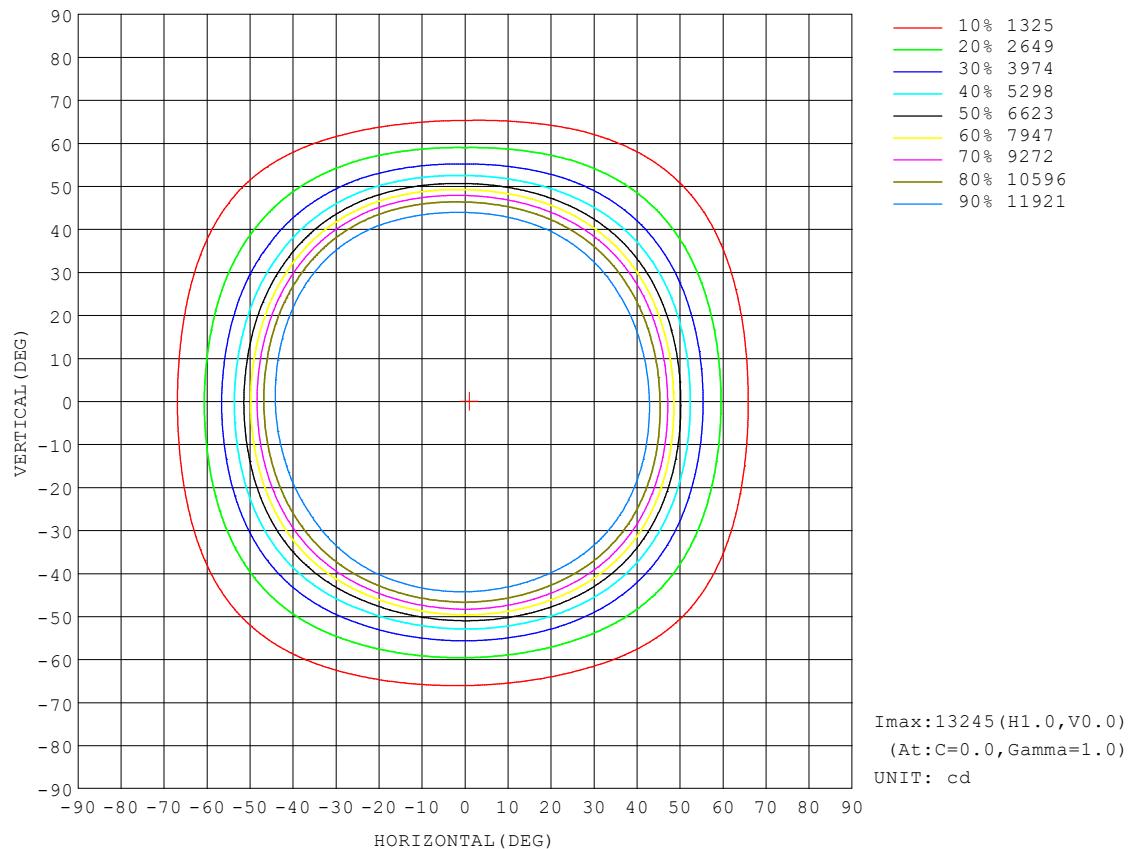
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	53	47	63	53	47	62	52	46	40
0.80	74	64	58	73	64	57	72	63	57	51
1.00	83	74	68	82	73	67	80	74	67	60
1.25	90	81	76	89	81	75	86	79	74	68
1.50	94	87	81	93	86	80	90	84	79	73
2.00	100	94	89	99	92	88	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	99	103	99	97	88
5.00	111	107	104	108	105	102	104	101	99	90
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:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		

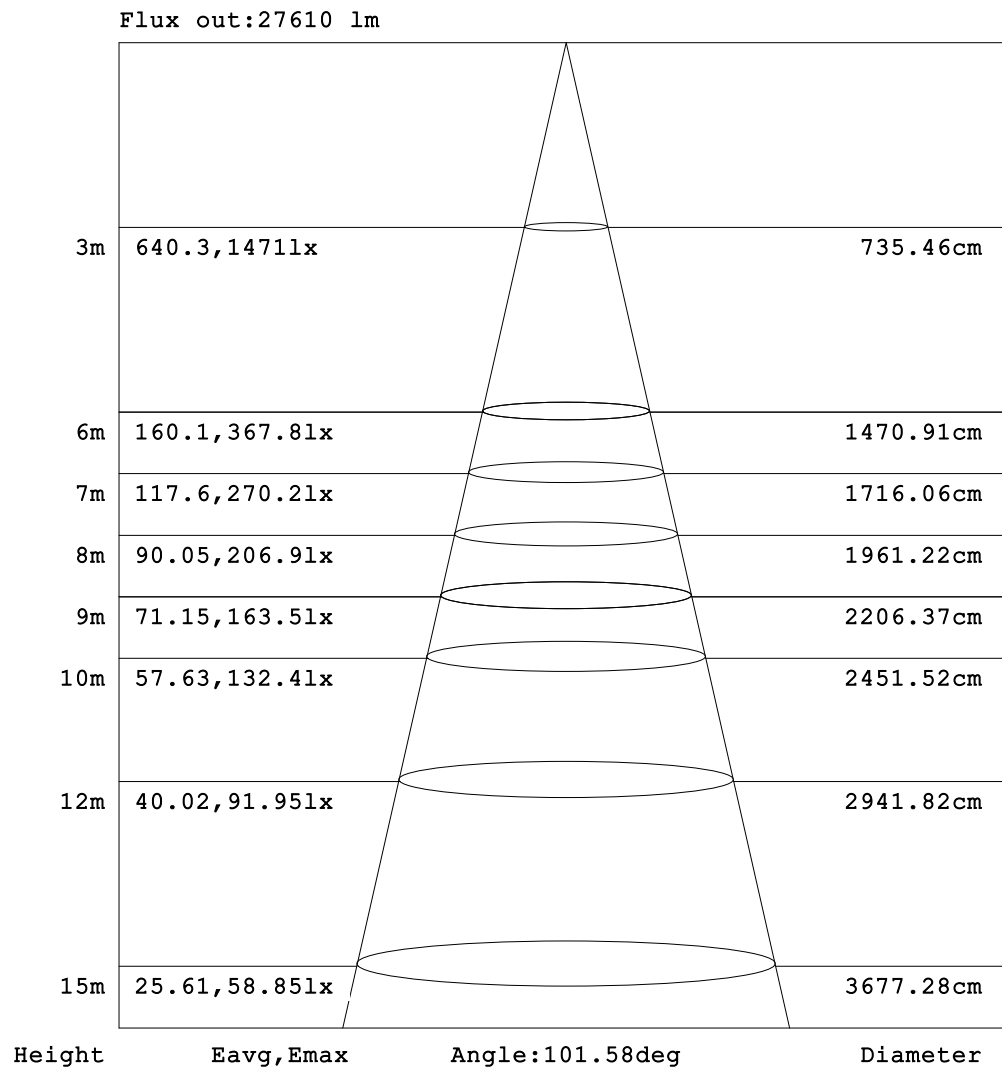


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		



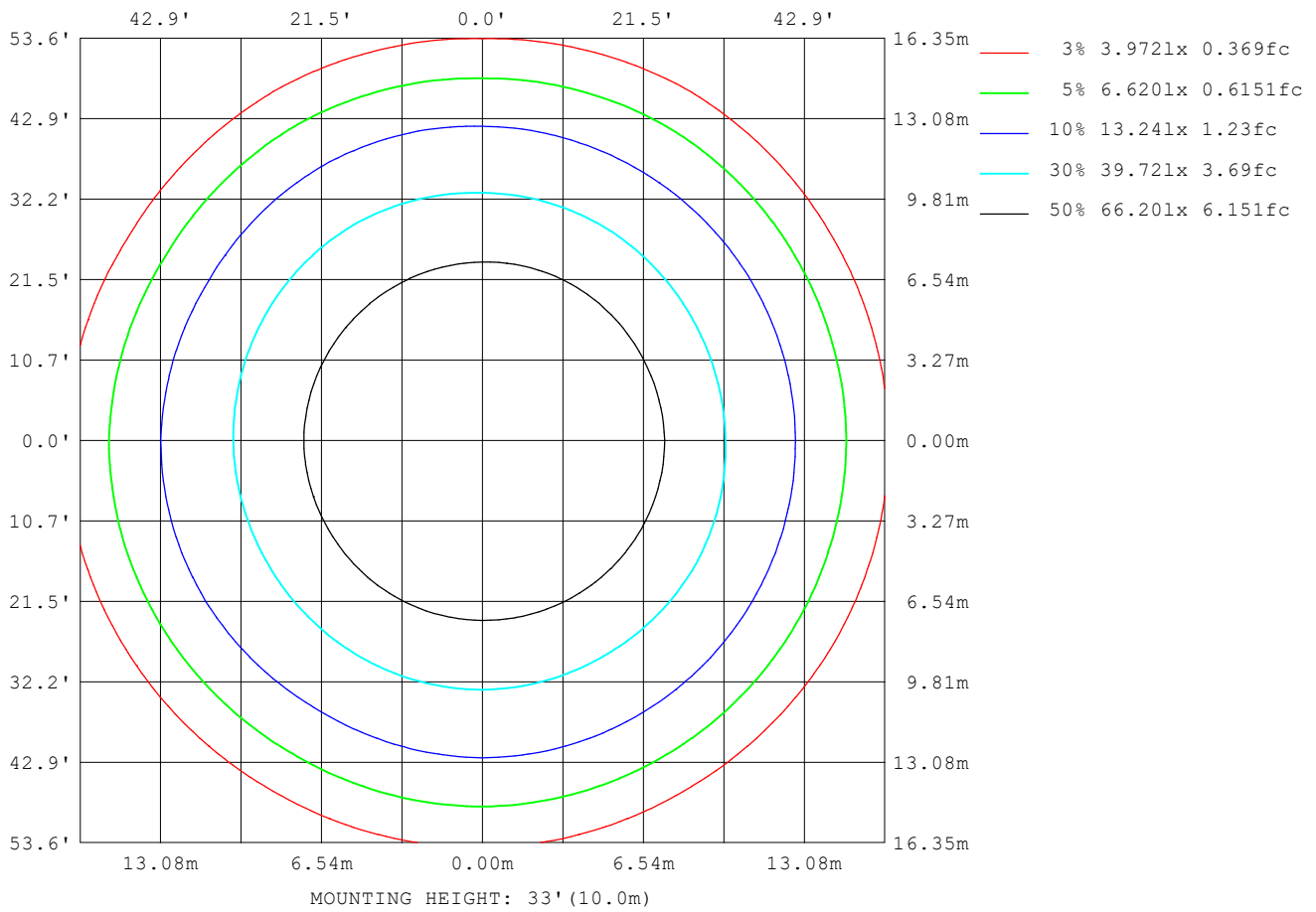
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		

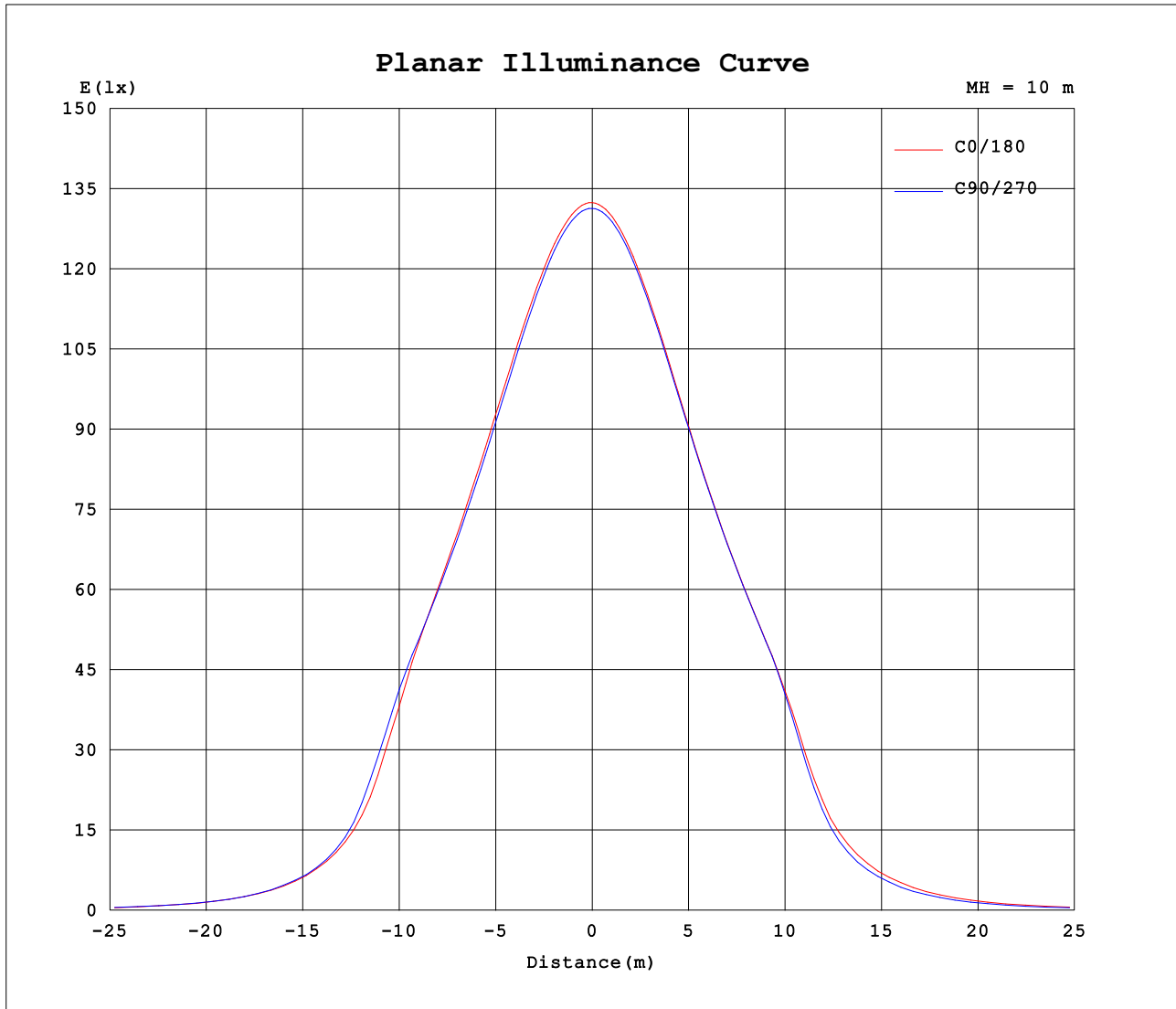
AvgL	cd/m2
L_0~180 (65) av	45806
L_0~180 (75) av	20938
L_0~180 (85) av	8632
L_90~270 (65) av	42130
L_90~270 (75) av	20074
L_90~270 (85) av	7996
L_45 (65) av	43917
L_45 (75) av	20625
L_45 (85) av	8299

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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: 27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm																			
NAME: ASD-UHB2A-ST-200BK-BA										TYPE: UHB2A-ST-BA									
SPEC.: 200W 5000K 110D																			
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	1324	1322	1320	1318	1316	1315	1313	1312	1311	1309	1310	1317	1324	1323	1320	1318	1316	1315	1313
5	1324	1322	1320	1318	1316	1314	1312	1311	1309	1307	1307	1313	1320	1319	1315	1313	1312	1311	1310
10	1320	1318	1316	1314	1312	1309	1307	1305	1303	1300	1299	1305	1311	1310	1306	1304	1303	1302	1302
15	1313	1312	1309	1307	1304	1301	1299	1296	1293	1289	1287	1293	1299	1297	1293	1291	1291	1290	1290
20	1306	1305	1302	1299	1296	1292	1289	1285	1282	1277	1275	1280	1285	1282	1278	1276	1276	1276	1277
25	1299	1297	1295	1291	1287	1283	1279	1275	1270	1265	1262	1266	1270	1267	1262	1260	1260	1262	1264
30	1291	1290	1288	1283	1279	1274	1270	1265	1261	1256	1252	1255	1258	1253	1248	1247	1247	1250	1254
35	1281	1280	1278	1274	1270	1266	1262	1259	1255	1249	1245	1248	1251	1246	1241	1239	1240	1243	1248
40	1251	1254	1254	1252	1249	1248	1247	1245	1242	1236	1232	1236	1241	1238	1235	1233	1233	1235	1238
45	1081	1112	1133	1141	1144	1158	1169	1167	1161	1150	1143	1150	1162	1175	1186	1190	1186	1167	1145
50	673	694	711	722	732	750	761	742	725	739	761	776	783	766	750	760	768	744	713
55	412	410	411	413	417	422	426	424	424	437	451	463	466	447	426	424	424	413	403
60	253	252	251	247	245	249	254	257	260	267	273	281	283	272	259	253	249	241	236
65	146	147	147	144	142	146	150	152	154	157	161	164	165	161	154	147	141	137	136
70	80.2	82.8	83.1	80.0	77.3	80.2	84.2	86.0	87.3	89.2	90.7	91.2	90.9	90.3	88.3	82.9	77.6	75.9	76.3
75	40.2	41.4	41.7	40.8	40.2	42.4	44.9	45.5	45.6	46.0	46.4	46.8	46.9	46.7	45.7	42.8	39.8	38.6	38.6
80	15.6	16.3	16.8	16.8	16.9	17.6	18.3	18.5	18.5	18.7	19.0	19.4	19.7	19.1	18.3	17.2	16.3	15.9	15.9
85	5.38	5.50	5.56	5.52	5.53	5.80	6.07	6.10	6.08	6.14	6.26	6.55	6.71	6.35	5.89	5.70	5.56	5.29	5.13
90	0.43	0.43	0.43	0.41	0.40	0.41	0.42	0.41	0.40	0.35	0.40	0.75	1.11	1.15	1.10	1.10	1.09	1.10	1.11
95	0.66	0.64	0.62	0.61	0.60	0.59	0.58	0.59	0.60	0.55	0.60	0.98	1.36	1.41	1.37	1.36	1.36	1.36	1.37
100	1.10	1.05	1.02	1.01	1.00	0.98	0.96	0.97	0.98	0.93	0.97	1.37	1.78	1.84	1.80	1.80	1.79	1.81	1.82
105	1.77	1.72	1.68	1.67	1.66	1.63	1.60	1.60	1.61	1.54	1.58	2.00	2.43	2.51	2.48	2.48	2.47	2.50	2.53
110	2.67	2.62	2.59	2.57	2.56	2.51	2.47	2.47	2.48	2.40	2.43	2.88	3.35	3.44	3.41	3.41	3.41	3.45	3.48
115	3.73	3.67	3.63	3.62	3.61	3.56	3.50	3.50	3.51	3.42	3.45	3.94	4.45	4.56	4.54	4.54	4.53	4.58	4.62
120	4.86	4.81	4.77	4.76	4.75	4.69	4.63	4.63	4.64	4.54	4.58	5.12	5.69	5.80	5.77	5.77	5.77	5.81	5.85
125	5.99	5.95	5.91	5.90	5.89	5.83	5.78	5.78	5.79	5.68	5.73	6.31	6.91	7.02	6.98	6.98	6.97	7.02	7.06
130	7.03	6.99	6.97	6.95	6.93	6.89	6.85	6.84	6.85	6.75	6.81	7.41	8.02	8.12	8.07	8.06	8.06	8.09	8.11
135	7.96	7.92	7.90	7.88	7.86	7.83	7.80	7.80	7.80	7.71	7.77	8.37	8.98	9.07	9.01	9.00	9.00	9.01	9.02
140	8.76	8.72	8.69	8.67	8.66	8.64	8.62	8.63	8.64	8.56	8.63	9.21	9.80	9.87	9.79	9.78	9.77	9.76	9.76
145	9.46	9.42	9.38	9.37	9.36	9.35	9.35	9.36	9.37	9.30	9.36	9.92	10.5	10.5	10.4	10.4	10.4	10.4	10.4
150	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.1	10.6	11.1	11.2	11.1	11.1	11.0	11.0	11.0
155	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.5	11.9	12.0	11.9	11.9	11.9	11.8	11.8
160	12.1	12.0	12.0	12.0	12.1	12.0	12.0	12.0	12.0	12.0	12.0	12.4	12.7	12.8	12.7	12.7	12.6	12.6	12.6
165	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.0	13.3	13.4	13.3	13.3	13.2	13.2	13.1
170	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.6	13.7	13.7	13.6	13.6	13.6	13.5	13.5
175	13.7	13.8	13.8	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7
180	13.7	13.7	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.5	13.6	13.7	13.8	13.7	13.7	13.7	13.7	13.7	13.6

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

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:119.62V I:1.7647A P:205.51W PF:0.9736 Freq:49.97Hz Lamp Flux:33428.7x1 lm		
NAME: ASD-UHB2A-ST-200BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 200W 5000K 110D		
MFR.: ASD LIGHTING CORP		

Table--2

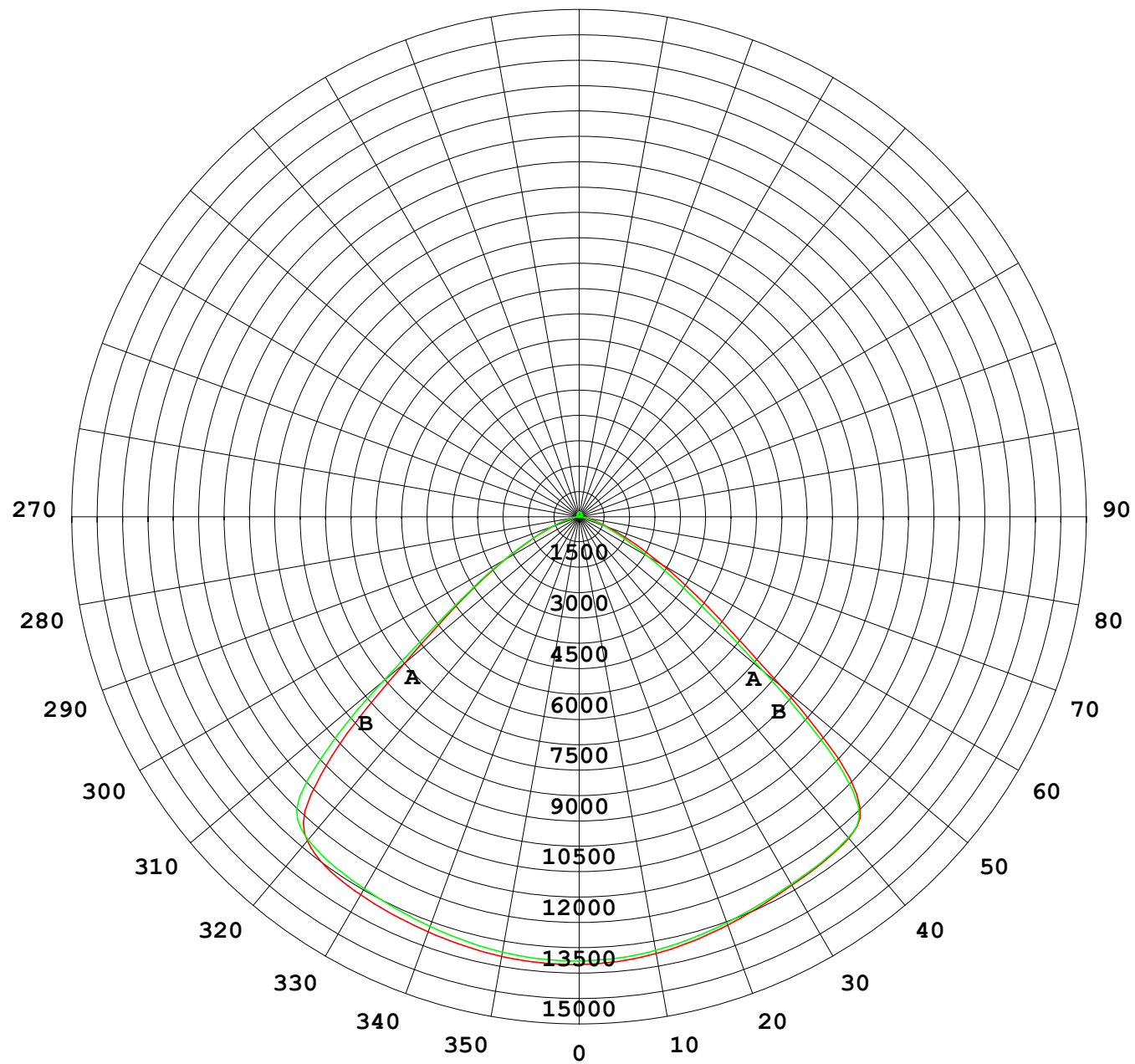
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1312	1311	1309	1310	1315														
5	1309	1309	1308	1308	1314														
10	1302	1303	1302	1304	1310														
15	1292	1294	1294	1296	1303														
20	1280	1283	1285	1288	1295														
25	1269	1273	1276	1280	1288														
30	1260	1265	1268	1272	1280														
35	1254	1259	1261	1263	1271														
40	1242	1245	1241	1238	1242														
45	1132	1119	1093	1072	1070														
50	695	682	673	668	668														
55	406	411	408	406	407														
60	243	251	251	249	250														
65	142	148	148	147	146														
70	79.8	83.3	83.3	82.2	81.3														
75	40.3	42.0	42.1	41.6	41.0														
80	16.3	16.8	16.9	16.7	16.3														
85	5.36	5.68	5.89	5.95	5.77														
90	1.11	1.11	1.16	1.12	0.86														
95	1.38	1.38	1.44	1.40	1.13														
100	1.82	1.82	1.89	1.87	1.59														
105	2.52	2.52	2.60	2.58	2.29														
110	3.47	3.46	3.55	3.53	3.22														
115	4.60	4.58	4.68	4.66	4.32														
120	5.84	5.82	5.91	5.87	5.50														
125	7.04	7.02	7.10	7.06	6.66														
130	8.10	8.09	8.17	8.11	7.71														
135	9.01	9.01	9.08	9.02	8.63														
140	9.76	9.76	9.82	9.76	9.39														
145	10.4	10.3	10.4	10.4	10.0														
150	11.0	11.0	11.0	11.0	10.7														
155	11.8	11.8	11.8	11.8	11.6														
160	12.5	12.5	12.5	12.5	12.3														
165	13.1	13.1	13.1	13.0	12.9														
170	13.4	13.4	13.4	13.4	13.4														
175	13.6	13.6	13.5	13.5	13.6														
180	13.6	13.6	13.6	13.5	13.6														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 May 2025

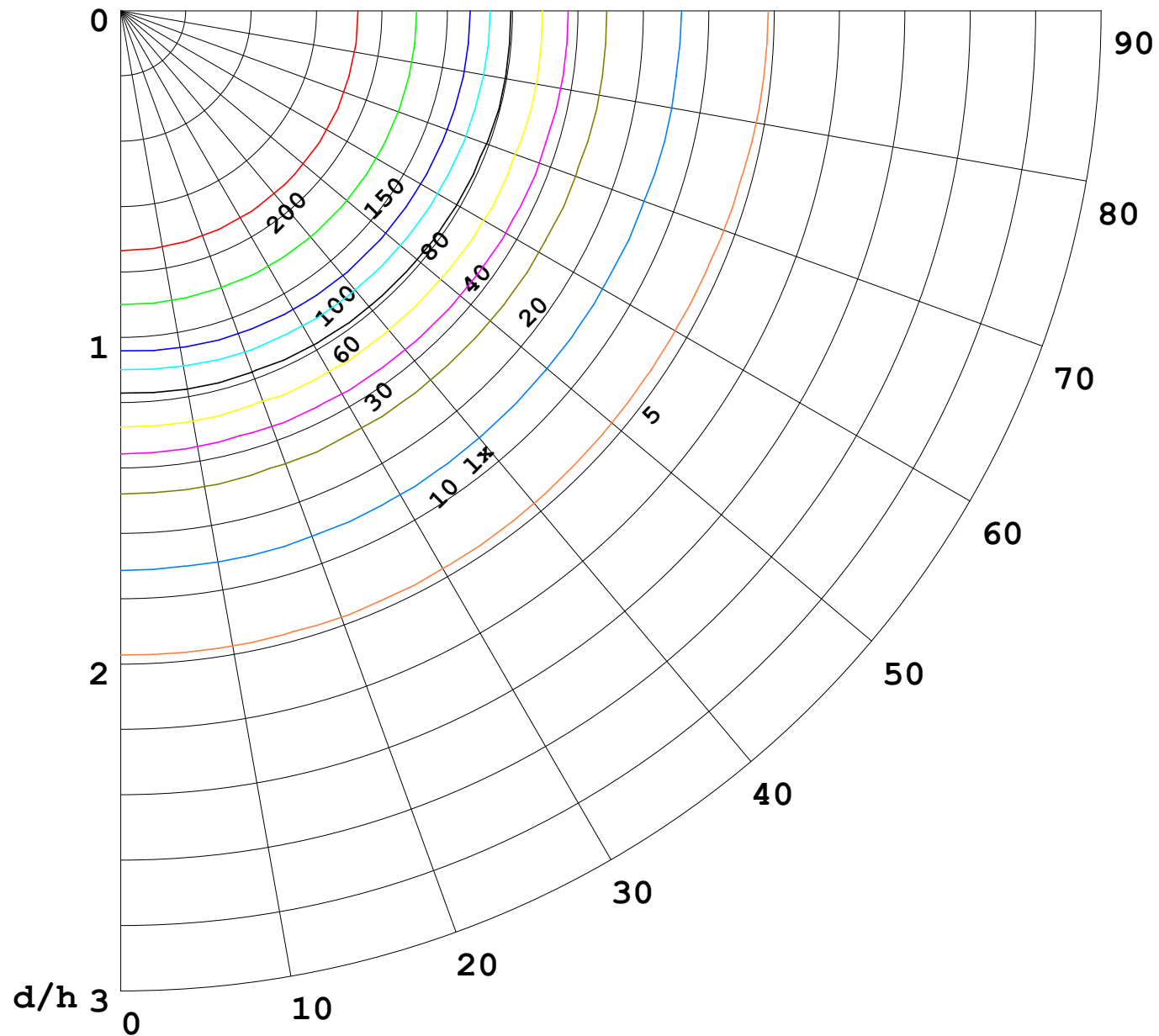
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

