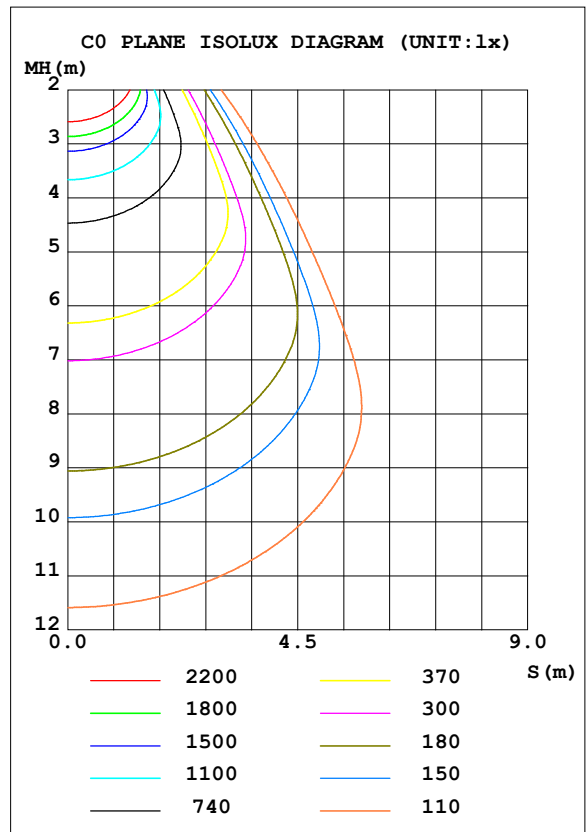
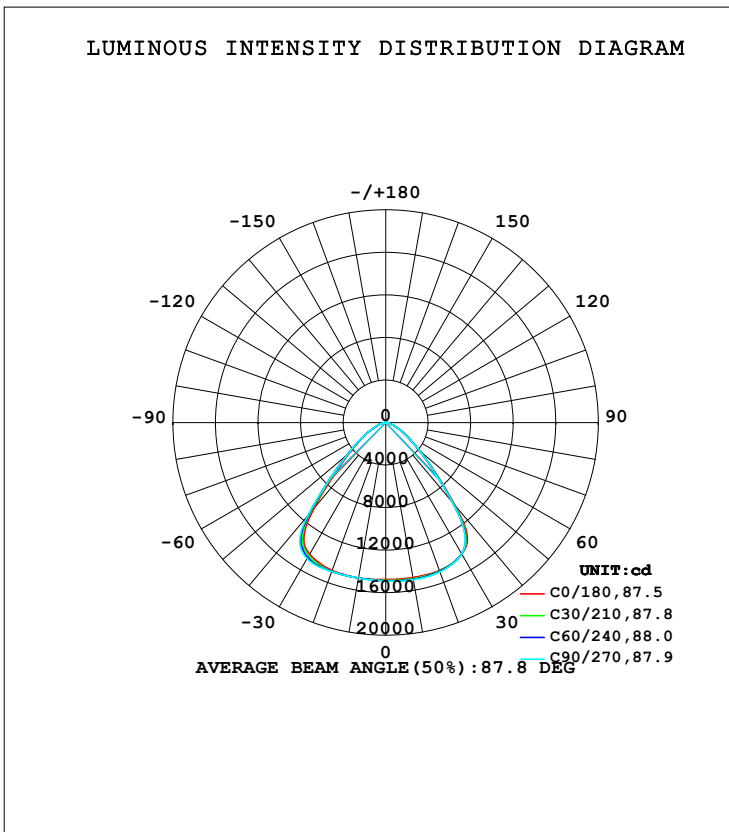


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz		
Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.89 lm/W			
MODE/ASD-UHB2-200A50-BK		I _{max} (cd)	15040	S/MH (C0/180)	1.27
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	30978	η UP, DN (C0-180)	0.5, 48.6
NOMINAL FLUX (lm)	30978	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 50.3
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	98.9	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 06 DEC 2023

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:

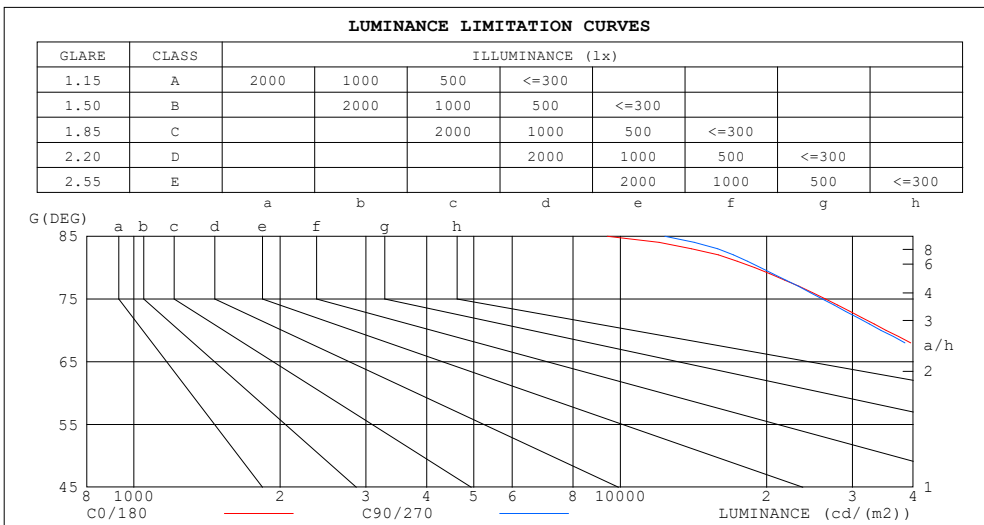
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1479	1493	1501	1503	1482	1484	1484	1489	0- 10	1422	1422	4.59,4.59
20	1480	1485	1493	1496	1479	1489	1491	1496	10- 20	4229	5651	18.2,18.2
30	1430	1429	1428	1438	1431	1455	1479	1466	20- 30	6825	12476	40.3,40.3
40	1015	987.6	972.7	1024	1046	1097	1140	1053	30- 40	8207	20682	66.8,66.8
50	430.9	424.5	417.0	450.1	446.4	476.3	478.8	450.2	40- 50	5365	26047	84.1,84.1
60	191.1	186.3	183.2	200.1	201.9	207.6	211.4	195.7	50- 60	2726	28773	92.9,92.9
70	74.11	72.91	72.35	79.39	81.28	79.88	81.15	74.58	60- 70	1285	30058	97,97
80	20.21	20.52	20.77	23.40	24.26	23.23	23.14	20.54	70- 80	483.8	30542	98.6,98.6
90	0.4075	0.4081	0.4101	0.3956	1.199	1.203	1.200	1.232	80- 90	89.79	30632	98.9,98.9
100	0.8713	0.8832	0.8943	0.8348	1.726	1.737	1.721	1.794	90-100	11.20	30643	98.9,98.9
110	1.897	1.952	1.995	1.860	2.798	2.791	2.770	2.908	100-110	18.75	30662	99,99
120	3.801	3.917	4.009	3.795	4.769	4.736	4.692	4.897	110-120	32.46	30694	99.1,99.1
130	6.236	6.401	6.536	6.295	7.318	7.263	7.208	7.434	120-130	49.74	30744	99.2,99.2
140	8.562	8.778	8.914	8.722	9.633	9.583	9.515	9.730	130-140	62.14	30806	99.4,99.4
150	10.42	10.71	10.82	10.70	11.34	11.29	11.23	11.43	140-150	63.44	30869	99.7,99.7
160	12.53	12.80	12.93	12.78	13.06	12.98	12.92	13.11	150-160	54.90	30924	99.8,99.8
170	14.50	14.69	14.78	14.66	14.76	14.74	14.61	14.69	160-170	39.03	30963	100,100
180	15.36	15.42	15.32	15.30	15.32	15.44	15.31	15.31	170-180	14.33	30978	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:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm
NAME: ASD-UHB2-200A50-BK
MFR.: ASD LIGHTING CORP



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9400	12356
80	18911	19435
75	26427	26032
70	35209	34374
65	47097	45309
60	62091	59542
55	81461	78367
50	108932	105418
45	150252	144958

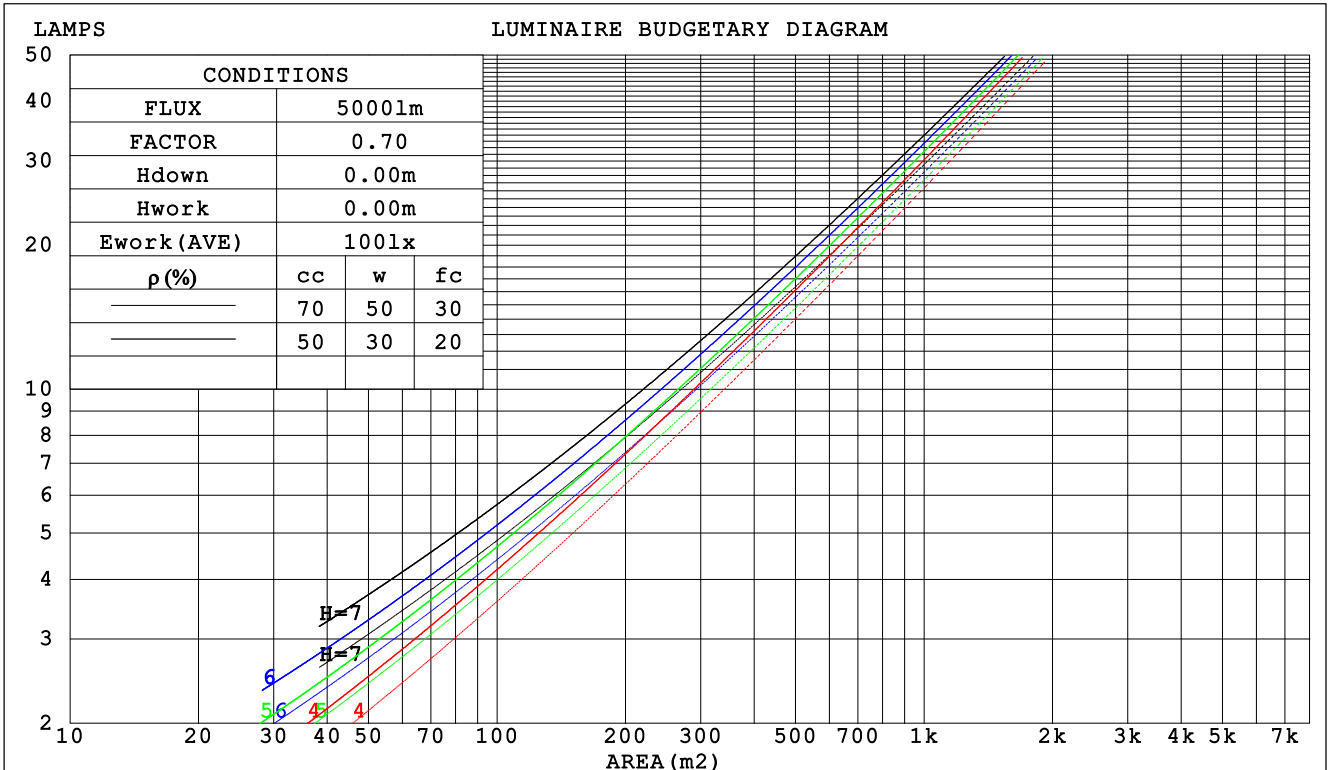
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.90	1.01	.99	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.88	.85	.82	.85	.83	.80	.78
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.80	.76	.73	.78	.74	.71	.69
4.0	.80	.72	.67	.78	.71	.66	.76	.70	.65	.73	.68	.64	.71	.67	.63	.62
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.58	.65	.61	.57	.55
6.0	.66	.58	.53	.65	.58	.53	.63	.57	.52	.62	.56	.52	.60	.55	.51	.49
7.0	.61	.53	.48	.60	.53	.47	.58	.52	.47	.57	.51	.47	.55	.50	.46	.45
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.43	.53	.47	.42	.51	.46	.42	.40
9.0	.52	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.37
10.0	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.35	.44	.39	.35	.34



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.232	.132	.042	.225	.128	.041	.211	.121	.039	.199	.115	.037	.187	.109	.035	
2.0	.225	.123	.038	.219	.121	.037	.207	.115	.036	.197	.110	.035	.187	.106	.033	
3.0	.215	.114	.034	.209	.112	.034	.199	.108	.033	.190	.104	.032	.181	.100	.031	
4.0	.203	.106	.031	.198	.104	.031	.189	.100	.030	.181	.097	.029	.173	.094	.029	
5.0	.192	.098	.028	.188	.096	.028	.180	.094	.028	.172	.091	.027	.166	.088	.027	
6.0	.182	.091	.026	.178	.090	.026	.171	.088	.025	.164	.085	.025	.158	.083	.025	
7.0	.172	.085	.024	.169	.084	.024	.162	.082	.024	.156	.080	.023	.151	.078	.023	
8.0	.163	.080	.022	.160	.079	.022	.154	.077	.022	.149	.075	.022	.144	.074	.021	
9.0	.155	.075	.021	.152	.074	.021	.147	.073	.021	.142	.071	.020	.137	.070	.020	
10.0	.147	.070	.020	.145	.070	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019	

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						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	.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	.053	.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	.128	.076	.040	.111	.066	.035	.076	.046	.025	.044	.027	.015	.014	.009	.005	
9.0	.123	.071	.036	.106	.062	.032	.073	.044	.022	.043	.026	.013	.014	.008	.004	
10.0	.118	.067	.033	.102	.058	.029	.071	.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:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz										
Lamp Flux:30977.5x1 lm										
NAME: ASD-UHB2-200A50-BK-200					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 140*140*3.14			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	24.7	26.0	25.1	26.3	26.7	24.6	25.9	25.0	26.2	26.6
3H	25.4	26.5	25.8	26.9	27.3	25.3	26.4	25.7	26.8	27.2
4H	25.5	26.6	26.0	27.0	27.4	25.4	26.5	25.9	26.9	27.3
6H	25.6	26.6	26.0	27.0	27.4	25.5	26.5	25.9	26.9	27.3
8H	25.6	26.5	26.0	26.9	27.4	25.5	26.4	26.0	26.9	27.3
12H	25.6	26.5	26.0	26.9	27.3	25.5	26.4	25.9	26.8	27.2
4H 2H	24.9	25.9	25.3	26.3	26.7	24.9	25.9	25.3	26.3	26.7
3H	25.7	26.6	26.1	27.0	27.4	25.7	26.6	26.1	27.0	27.4
4H	25.9	26.7	26.4	27.1	27.6	25.9	26.7	26.4	27.1	27.6
6H	26.0	26.7	26.5	27.2	27.7	26.0	26.7	26.5	27.2	27.7
8H	26.0	26.7	26.5	27.1	27.6	26.1	26.7	26.5	27.2	27.7
12H	26.0	26.6	26.5	27.1	27.6	26.0	26.6	26.6	27.1	27.6
8H 4H	25.9	26.6	26.4	27.0	27.5	26.0	26.6	26.4	27.1	27.5
6H	26.1	26.6	26.6	27.1	27.6	26.1	26.6	26.7	27.2	27.7
8H	26.1	26.6	26.6	27.1	27.6	26.2	26.6	26.7	27.2	27.7
12H	26.1	26.5	26.6	27.0	27.6	26.2	26.6	26.7	27.1	27.7
12H 4H	25.9	26.5	26.4	27.0	27.5	25.9	26.5	26.4	27.0	27.5
6H	26.1	26.5	26.6	27.0	27.6	26.1	26.6	26.7	27.1	27.6
8H	26.1	26.5	26.6	27.0	27.6	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:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

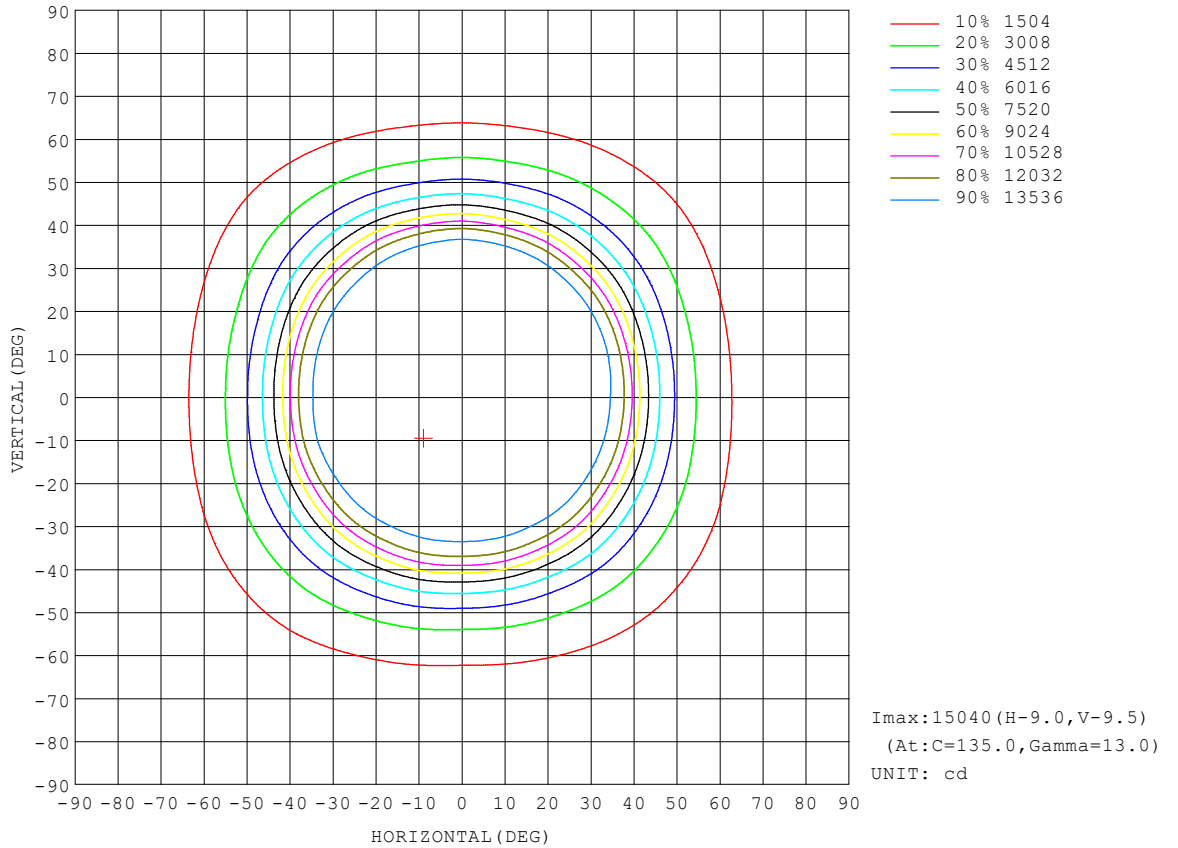
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	71	61	56	70	61	56	69	61	55	50
0.80	80	71	66	79	71	65	78	70	65	59
1.00	87	79	74	86	79	73	84	79	73	67
1.25	93	86	81	92	85	80	90	84	79	73
1.50	97	90	85	96	89	85	93	88	84	78
2.00	102	96	92	101	95	91	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	103	99	105	101	97	102	98	95	87
4.00	110	106	103	108	104	101	104	101	99	90
5.00	112	108	106	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:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

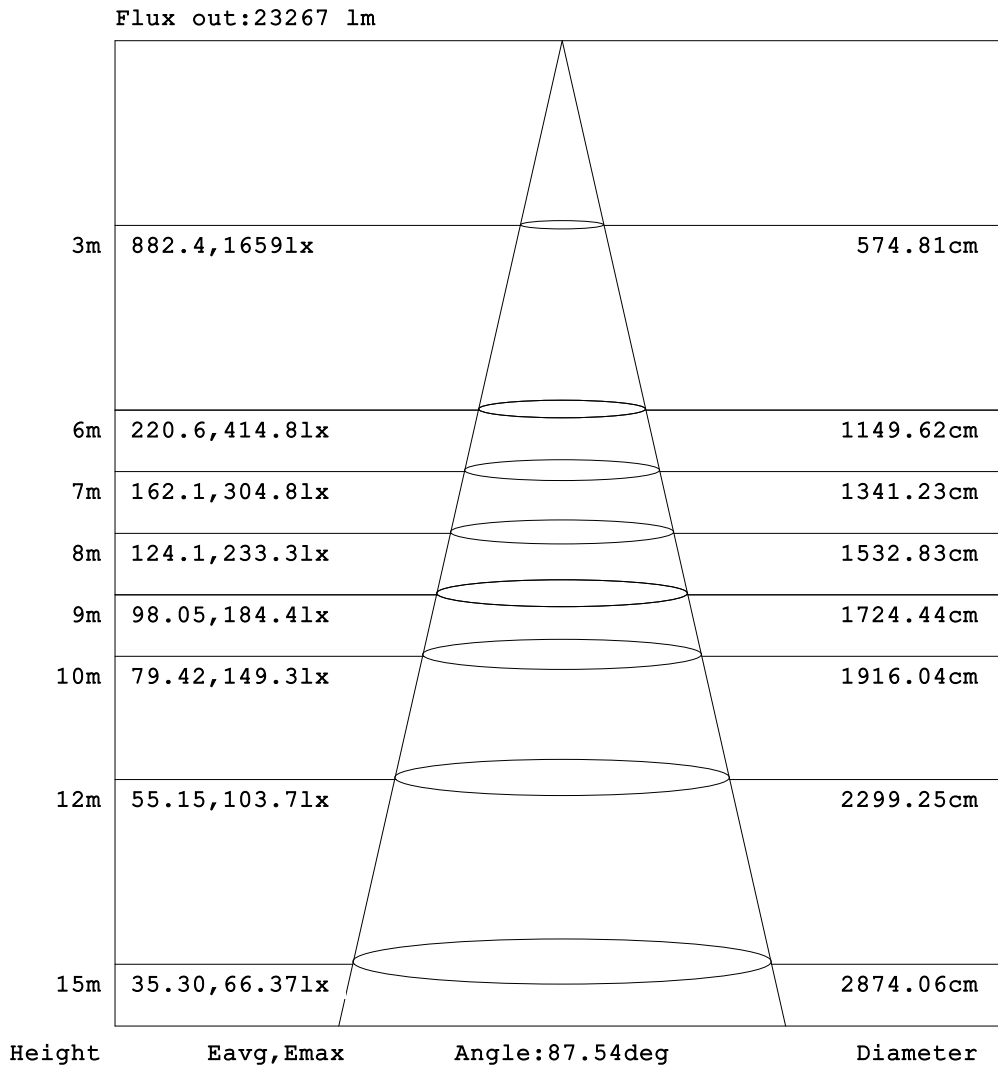


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:



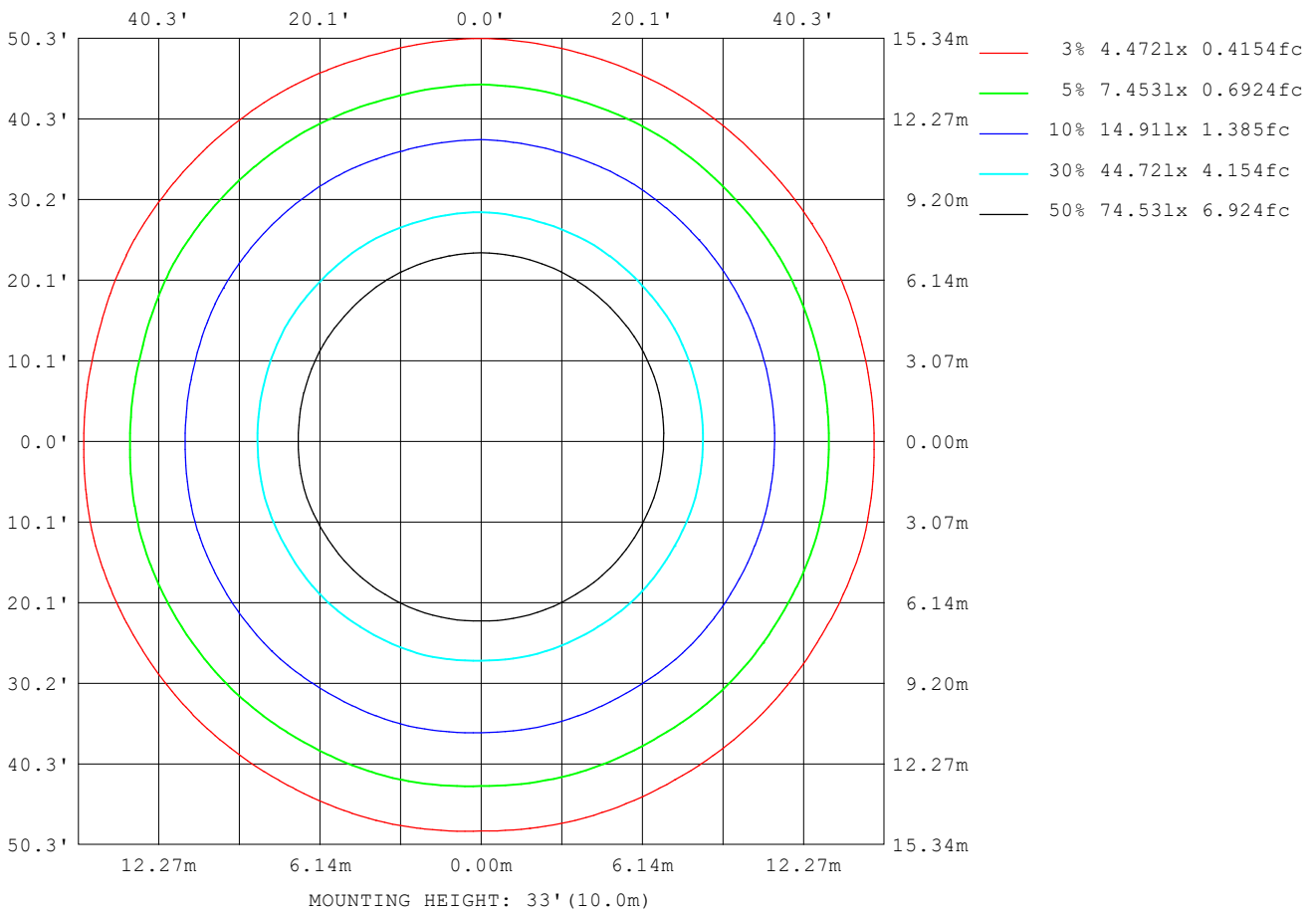
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

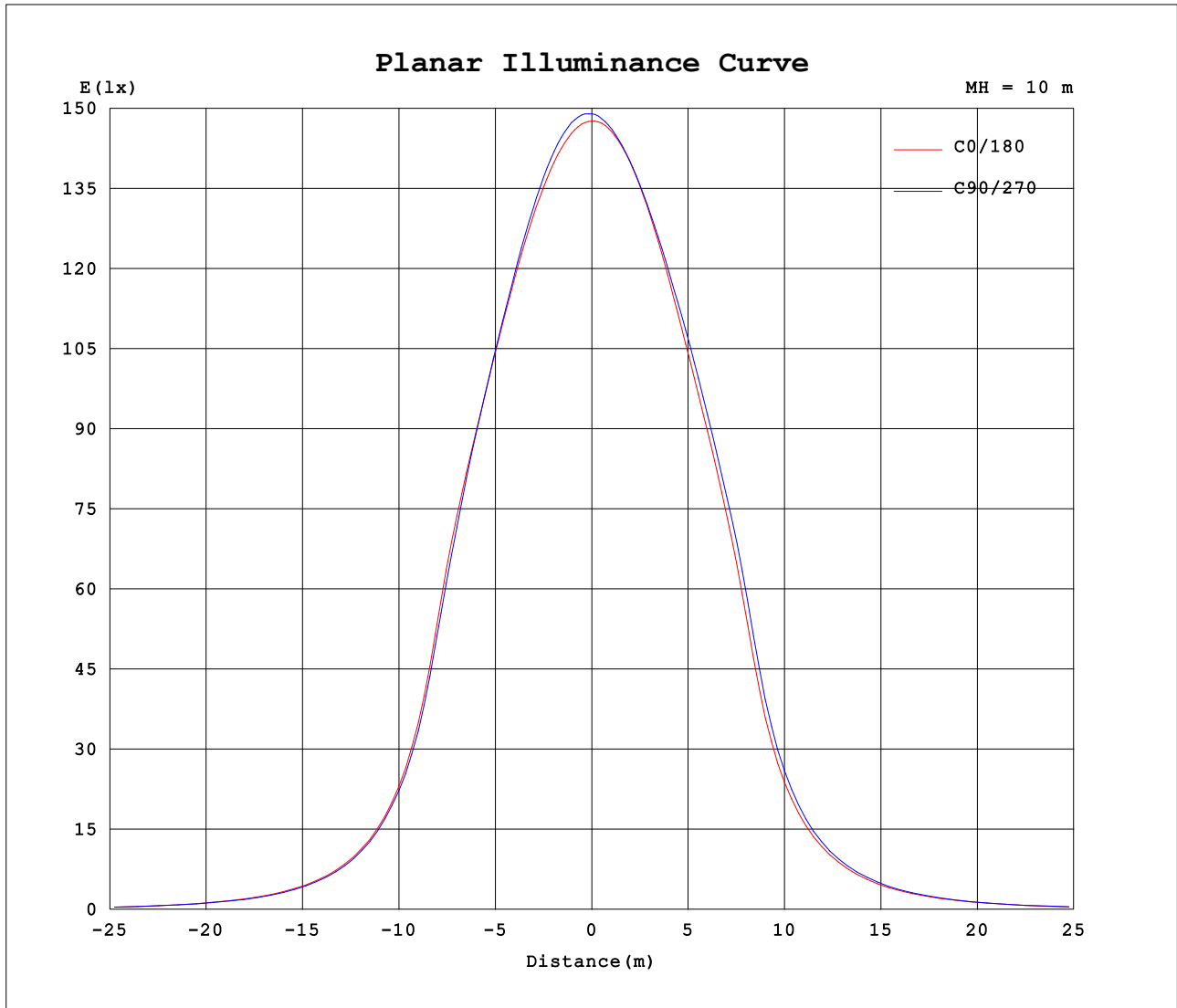
AvgL	cd/m2
L_0~180 (65) av	48855
L_0~180 (75) av	28028
L_0~180 (85) av	12758
L_90~270 (65) av	48486
L_90~270 (75) av	27544
L_90~270 (85) av	12962
L_45 (65) av	48496
L_45 (75) av	27581
L_45 (85) av	12842

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:06 DEC 2023

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: 06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	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	1476	1480	1483	1485	1487	1489	1490	1491	1492	1492	1493	1493	1476	1480	1483	1485	1487	1489	1490
5	1477	1482	1486	1489	1492	1494	1496	1497	1497	1498	1498	1498	1480	1481	1482	1483	1484	1485	1486
10	1479	1484	1489	1493	1496	1499	1501	1502	1503	1503	1502	1501	1482	1484	1485	1484	1484	1484	1484
15	1482	1485	1490	1493	1496	1499	1501	1502	1503	1504	1503	1502	1483	1486	1488	1487	1487	1486	1486
20	1480	1481	1483	1485	1488	1491	1493	1495	1496	1496	1495	1496	1479	1483	1487	1489	1490	1490	1491
25	1466	1465	1464	1466	1469	1471	1472	1475	1476	1477	1478	1480	1463	1470	1479	1485	1489	1493	1495
30	1430	1430	1429	1429	1427	1429	1428	1432	1433	1438	1443	1449	1431	1437	1446	1455	1466	1474	1479
35	1339	1332	1320	1318	1306	1307	1301	1313	1316	1327	1332	1351	1344	1356	1368	1374	1390	1399	1408
40	1015	1007	983	988	972	982	973	1005	1008	1024	1021	1046	1046	1065	1095	1097	1124	1125	1140
45	654	652	640	642	630	634	631	652	656	676	675	684	675	690	717	725	742	732	735
50	431	432	426	425	414	418	417	432	437	450	454	457	446	451	471	476	481	473	479
55	288	293	284	282	278	280	277	289	292	302	304	308	301	301	314	316	318	313	319
60	191	196	188	186	186	186	183	191	194	200	201	205	202	202	209	208	209	207	211
65	122	126	120	120	121	121	118	123	126	129	130	132	132	130	133	131	133	132	134
70	74.1	76.6	72.4	72.9	73.6	74.8	72.4	76.0	76.3	79.4	78.6	81.4	81.3	79.5	81.3	79.9	80.3	79.7	81.2
75	42.1	43.4	41.2	41.7	42.1	43.0	41.5	44.0	44.2	46.0	45.1	46.9	47.2	46.1	47.1	45.8	46.1	45.5	46.3
80	20.2	21.1	20.1	20.5	20.9	21.5	20.8	22.2	22.5	23.4	23.0	23.9	24.3	23.6	24.0	23.2	23.4	22.8	23.1
85	5.04	5.58	5.44	6.03	6.16	6.94	6.63	7.64	7.79	8.29	7.95	8.28	8.64	8.10	8.35	7.64	7.69	7.18	7.28
90	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.39	0.39	1.20	1.20	1.20	1.20	1.20	1.20	1.20
95	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.58	0.58	0.56	0.56	0.56	1.42	1.43	1.42	1.43	1.42	1.43	1.42
100	0.87	0.87	0.89	0.88	0.90	0.88	0.89	0.86	0.86	0.83	0.84	0.82	1.73	1.74	1.72	1.74	1.72	1.73	1.72
105	1.28	1.29	1.32	1.32	1.34	1.33	1.33	1.29	1.28	1.25	1.24	1.22	2.17	2.18	2.16	2.17	2.15	2.16	2.15
110	1.90	1.90	1.96	1.95	2.00	1.97	2.00	1.93	1.92	1.86	1.86	1.81	2.80	2.81	2.77	2.79	2.76	2.78	2.77
115	2.75	2.76	2.84	2.84	2.90	2.88	2.90	2.82	2.80	2.72	2.71	2.66	3.68	3.69	3.64	3.65	3.61	3.64	3.62
120	3.80	3.83	3.91	3.92	3.99	3.97	4.01	3.91	3.89	3.79	3.78	3.71	4.77	4.79	4.71	4.74	4.68	4.72	4.69
125	4.99	5.02	5.12	5.13	5.22	5.21	5.25	5.14	5.12	5.01	5.00	4.92	6.02	6.03	5.95	5.97	5.91	5.95	5.92
130	6.24	6.27	6.38	6.40	6.50	6.49	6.54	6.43	6.40	6.30	6.28	6.19	7.32	7.33	7.25	7.26	7.20	7.24	7.21
135	7.45	7.49	7.60	7.64	7.74	7.74	7.78	7.68	7.65	7.56	7.55	7.46	8.55	8.56	8.48	8.50	8.43	8.46	8.44
140	8.56	8.60	8.72	8.78	8.89	8.88	8.91	8.83	8.81	8.72	8.71	8.63	9.63	9.64	9.57	9.58	9.52	9.54	9.52
145	9.53	9.58	9.72	9.79	9.88	9.88	9.91	9.84	9.83	9.76	9.75	9.67	10.6	10.6	10.5	10.5	10.4	10.5	10.4
150	10.4	10.5	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.6	11.3	11.4	11.3	11.3	11.2	11.3	11.2
155	11.4	11.5	11.7	11.7	11.8	11.8	11.8	11.8	11.7	11.7	11.7	11.6	12.1	12.2	12.1	12.1	12.0	12.0	12.0
160	12.5	12.6	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.8	12.8	12.7	13.1	13.1	13.0	13.0	12.9	12.9	12.9
165	13.6	13.7	13.8	13.9	13.9	13.9	14.0	13.9	13.9	13.8	13.8	13.8	14.0	14.0	14.0	13.9	13.9	13.9	13.8
170	14.5	14.6	14.7	14.7	14.8	14.7	14.8	14.7	14.7	14.7	14.7	14.6	14.8	14.8	14.8	14.7	14.6	14.7	14.6
175	15.1	15.1	15.2	15.2	15.3	15.2	15.2	15.2	15.2	15.1	15.1	15.1	15.2	15.3	15.2	15.2	15.1	15.1	15.1
180	15.4	15.4	15.4	15.4	15.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.3

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:06 DEC 2023

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:277.69V I:0.7176A P:198.71W PF:0.9972 Freq:50.01Hz Lamp Flux:30977.5x1 lm		
NAME: ASD-UHB2-200A50-BK-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

Table--2

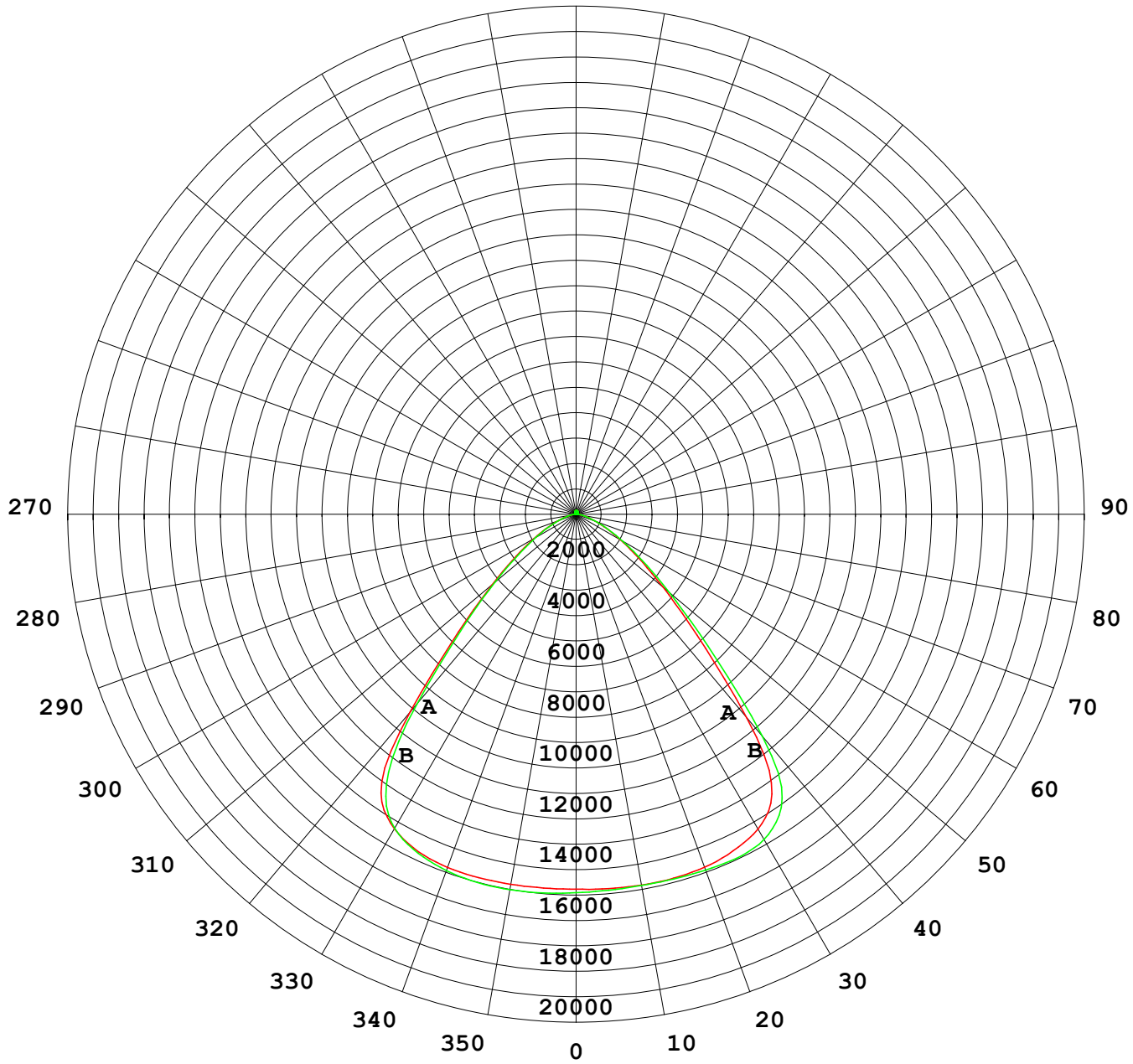
UNIT: X10cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	1491	1492	1492	1493	1493														
5	1486	1487	1489	1491	1492														
10	1485	1487	1489	1491	1494														
15	1488	1490	1492	1494	1497														
20	1492	1494	1496	1497	1498														
25	1496	1496	1495	1492	1488														
30	1477	1473	1466	1461	1453														
35	1401	1392	1378	1372	1361														
40	1104	1089	1053	1047	1026														
45	711	708	687	679	663														
50	467	464	450	444	435														
55	311	308	298	297	288														
60	205	202	196	195	189														
65	131	128	124	124	121														
70	78.3	77.1	74.6	74.2	72.7														
75	44.4	43.6	42.2	42.3	41.4														
80	21.8	21.4	20.5	20.9	20.4														
85	6.23	6.20	5.59	5.93	5.65														
90	1.22	1.22	1.23	1.23	1.24														
95	1.44	1.45	1.47	1.47	1.48														
100	1.76	1.76	1.79	1.79	1.81														
105	2.20	2.21	2.25	2.25	2.27														
110	2.84	2.85	2.91	2.90	2.93														
115	3.71	3.73	3.79	3.79	3.84														
120	4.80	4.81	4.90	4.89	4.96														
125	6.04	6.05	6.14	6.13	6.22														
130	7.32	7.34	7.43	7.44	7.52														
135	8.54	8.56	8.66	8.67	8.75														
140	9.61	9.63	9.73	9.75	9.83														
145	10.5	10.5	10.6	10.7	10.7														
150	11.3	11.3	11.4	11.5	11.5														
155	12.1	12.1	12.2	12.2	12.3														
160	13.0	13.0	13.1	13.1	13.2														
165	13.9	13.9	14.0	14.0	14.1														
170	14.6	14.6	14.7	14.7	14.8														
175	15.1	15.1	15.1	15.1	15.2														
180	15.3	15.3	15.3	15.3	15.4														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:06 DEC 2023

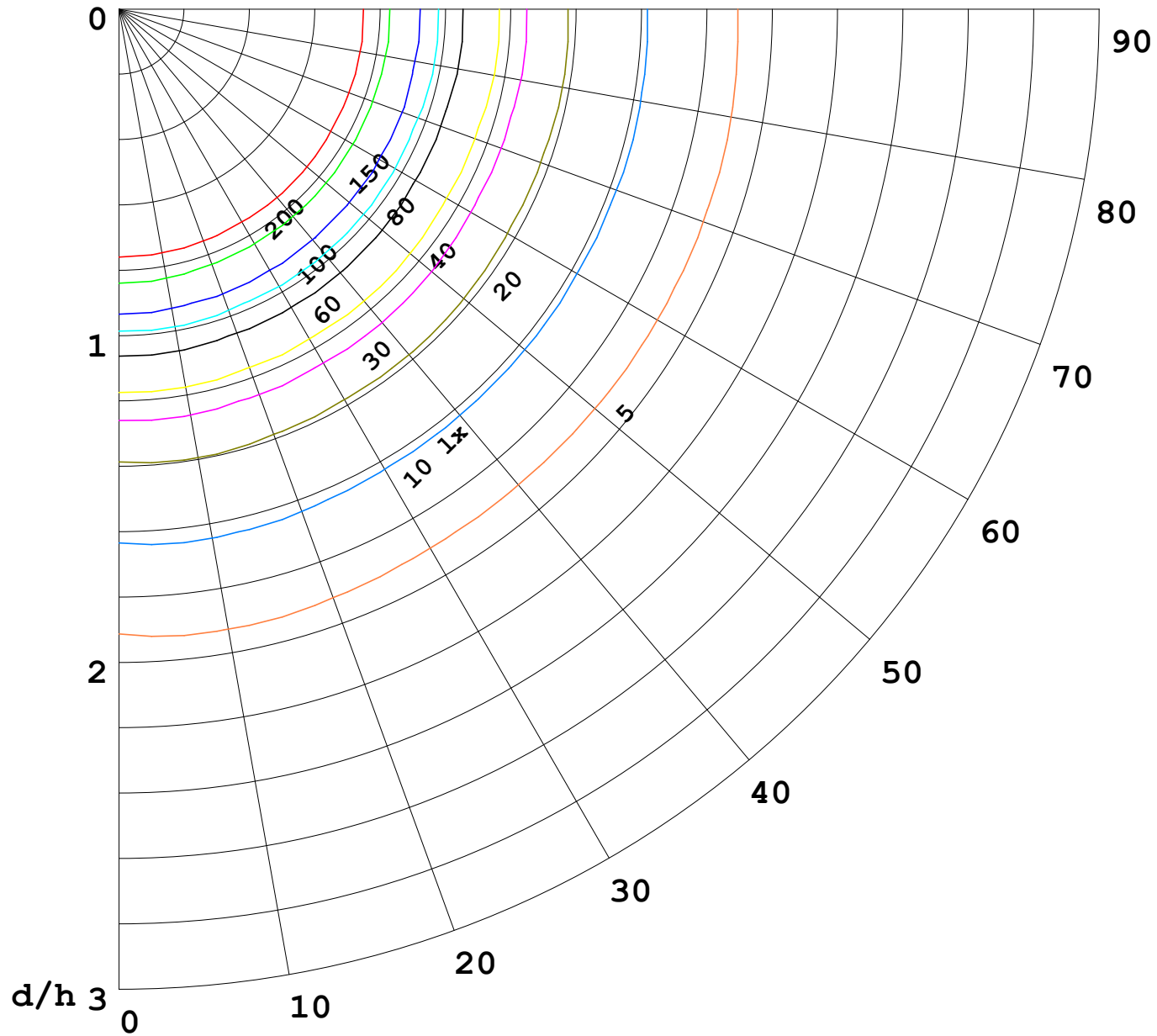
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

I (cd)



1000 lm

$K = 1$



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

