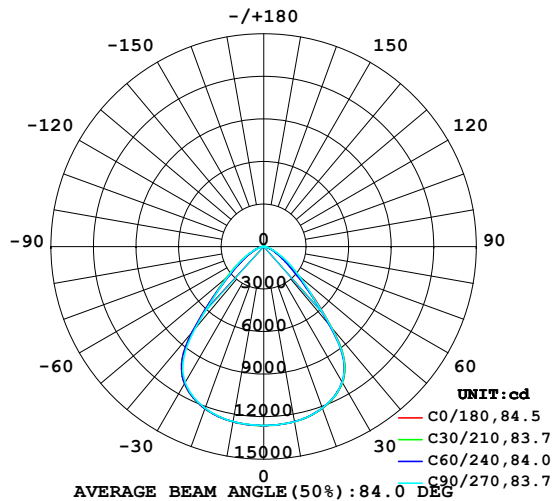


LUMINAIRE PHOTOMETRIC TEST REPORT

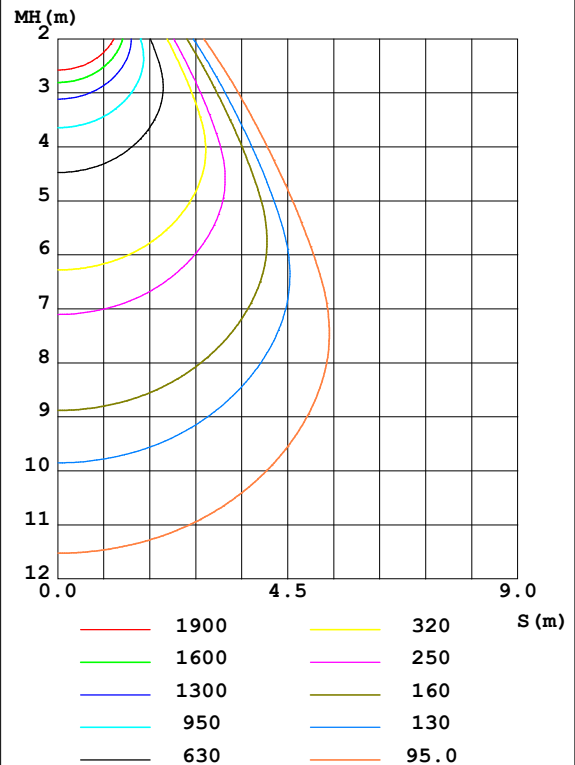
Test:U:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.56 lm/W			
MODEL	ASD-UHB2AHV-ST-150BK	I _{max} (cd)	12622	S/MH(C0/180)	1.23
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	23638	η UP,DN(C0-180)	0.5,49.0
NOMINAL FLUX(lm)	23638.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,49.8
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	277	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:

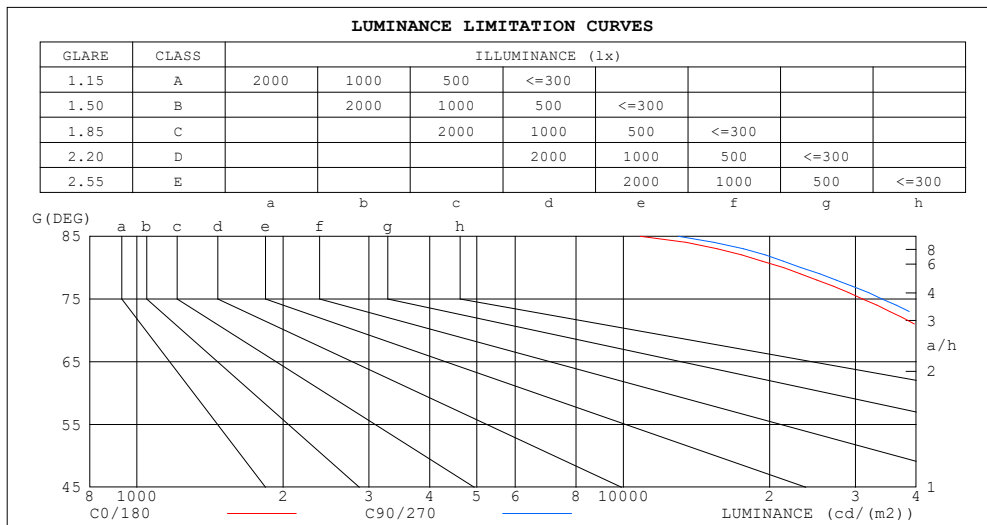
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1253	1253	1253	1254	1254	1254	1253	1253	0- 10	1200	1200	5.08,5.08
20	1213	1212	1211	1214	1216	1215	1212	1213	10- 20	3501	4701	19.9,19.9
30	1109	1107	1106	1112	1118	1116	1108	1111	20- 30	5400	10101	42.7,42.7
40	746.1	729.2	734.6	753.9	785.9	778.2	752.9	752.7	30- 40	6082	16182	68.5,68.5
50	306.5	303.1	331.2	323.1	328.0	331.3	334.4	324.5	40- 50	3841	20024	84.7,84.7
60	133.5	132.8	152.0	141.7	143.5	148.4	158.2	141.0	50- 60	1975	21999	93.1,93.1
70	54.45	53.45	59.94	57.66	59.14	61.28	63.95	57.95	60- 70	946.8	22946	97.1,97.1
80	14.10	13.71	15.30	15.37	16.47	17.14	17.69	15.94	70- 80	363.3	23309	98.6,98.6
90	0.2462	0.2482	0.2537	0.2041	0.8531	0.8450	0.8467	0.8801	80- 90	63.69	23373	98.9,98.9
100	0.5975	0.5929	0.5970	0.5326	1.227	1.218	1.260	1.300	90-100	7.748	23381	98.9,98.9
110	1.370	1.351	1.334	1.264	2.017	1.991	2.051	2.110	100-110	13.29	23394	99,99
120	2.824	2.800	2.750	2.685	3.489	3.447	3.506	3.600	110-120	23.33	23417	99.1,99.1
130	4.755	4.740	4.672	4.611	5.472	5.429	5.479	5.588	120-130	36.56	23454	99.2,99.2
140	6.748	6.756	6.688	6.633	7.443	7.404	7.454	7.535	130-140	47.11	23501	99.4,99.4
150	8.480	8.500	8.467	8.398	9.056	9.023	9.063	9.129	140-150	49.79	23551	99.6,99.6
160	10.26	10.26	10.22	10.16	10.58	10.55	10.56	10.60	150-160	44.02	23595	99.8,99.8
170	11.92	11.91	11.88	11.86	12.06	12.05	12.02	12.02	160-170	31.59	23626	100,100
180	12.71	12.70	12.69	12.66	12.71	12.71	12.69	12.66	170-180	11.74	23638	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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10835	12988
80	21370	23196
75	31016	34054
70	41903	46128
65	53967	60565
60	70282	80023
55	92390	105879
50	125503	135629
45	177299	175972

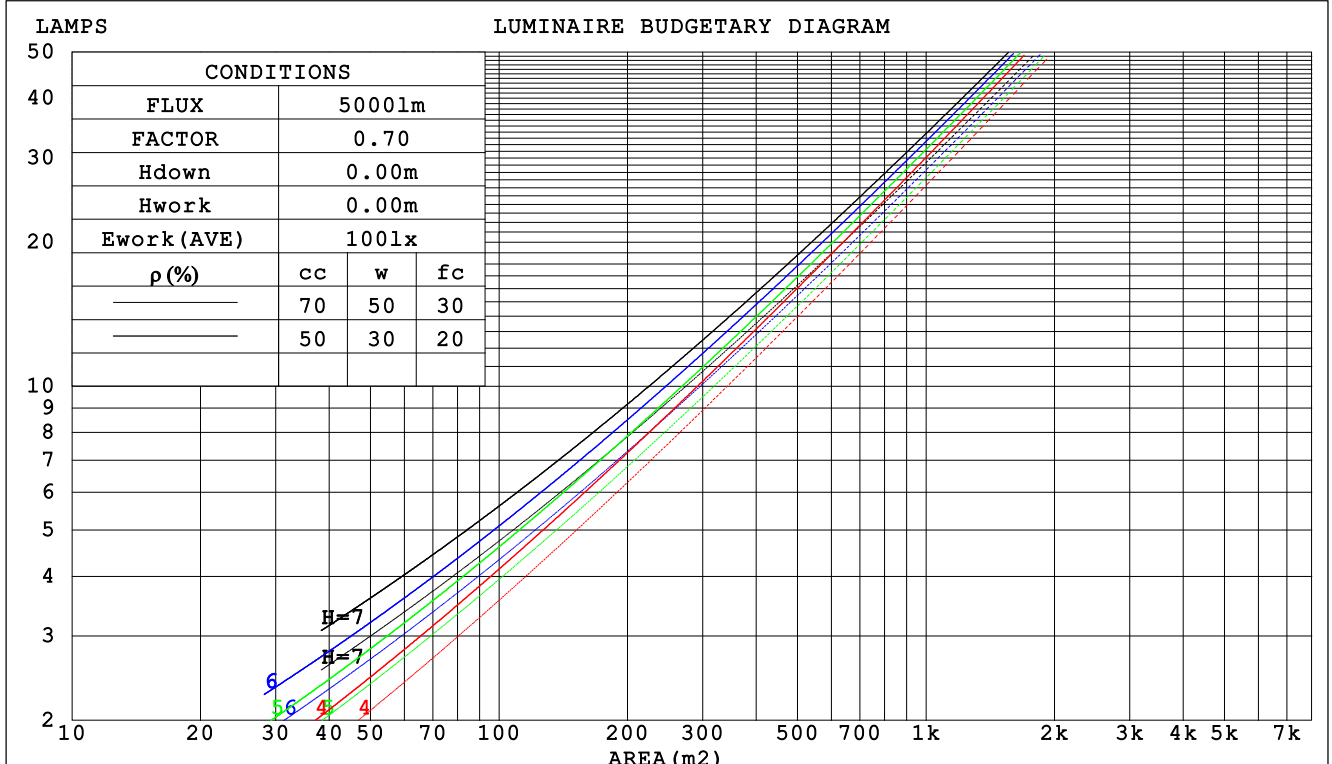
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

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	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.85	.83	.86	.83	.81	.79
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.73	.78	.75	.72	.70
4.0	.80	.73	.68	.79	.72	.67	.76	.71	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.66	.60	.72	.65	.60	.70	.64	.59	.68	.63	.59	.66	.62	.58	.56
6.0	.67	.59	.54	.66	.59	.54	.64	.58	.53	.63	.57	.53	.61	.56	.52	.51
7.0	.62	.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	.54	.48	.44	.52	.47	.43	.42
9.0	.53	.45	.41	.52	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.40	.38
10.0	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.46	.40	.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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

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	.229	.130	.041	.221	.126	.040	.208	.119	.038	.195	.113	.036	.184	.107	.034		
2.0	.222	.122	.037	.216	.119	.037	.204	.113	.035	.193	.108	.034	.183	.104	.033		
3.0	.211	.112	.034	.206	.110	.033	.196	.106	.032	.186	.102	.031	.177	.098	.030		
4.0	.200	.104	.031	.195	.102	.030	.186	.099	.030	.178	.096	.029	.170	.092	.028		
5.0	.189	.096	.028	.185	.095	.028	.177	.092	.027	.170	.089	.027	.163	.087	.026		
6.0	.179	.090	.026	.175	.088	.025	.168	.086	.025	.161	.084	.025	.155	.082	.024		
7.0	.169	.084	.024	.166	.083	.024	.160	.081	.023	.154	.079	.023	.148	.077	.023		
8.0	.160	.078	.022	.157	.078	.022	.152	.076	.022	.146	.074	.021	.141	.073	.021		
9.0	.152	.074	.021	.150	.073	.020	.144	.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	.183	.165	.149	.157	.142	.129	.107	.098	.089	.062	.057	.052	.020	.018	.017	
2.0	.172	.141	.115	.147	.121	.100	.101	.084	.069	.058	.049	.041	.019	.016	.013	
3.0	.162	.123	.091	.139	.106	.079	.095	.073	.056	.055	.043	.033	.018	.014	.011	
4.0	.153	.109	.074	.132	.094	.065	.091	.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	.120	.077	.046	.083	.054	.033	.048	.032	.019	.015	.010	.006	
7.0	.133	.082	.046	.115	.071	.040	.079	.050	.028	.046	.029	.017	.015	.010	.006	
8.0	.127	.076	.041	.110	.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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz										
Lamp Flux:23638.2x1 lm										
NAME: ASD-UHB2AHV-ST-150BK					TYPE: UHB2A ST			WEIGHT:		
SPEC.: 150W 5000K					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 110*110*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	25.4	26.6	25.7	27.0	27.3	25.3	26.5	25.6	26.9	27.2
3H	26.0	27.2	26.4	27.5	27.9	26.0	27.1	26.4	27.5	27.9
4H	26.2	27.2	26.6	27.6	28.0	26.2	27.2	26.6	27.6	28.0
6H	26.2	27.2	26.7	27.6	28.0	26.2	27.2	26.7	27.6	28.0
8H	26.2	27.1	26.7	27.5	28.0	26.2	27.2	26.7	27.6	28.0
12H	26.2	27.1	26.6	27.5	27.9	26.2	27.1	26.7	27.5	27.9
4H 2H	25.5	26.6	25.9	26.9	27.3	25.5	26.5	25.9	26.9	27.3
3H	26.3	27.2	26.8	27.6	28.1	26.3	27.2	26.8	27.6	28.1
4H	26.6	27.3	27.0	27.8	28.2	26.6	27.4	27.0	27.8	28.3
6H	26.7	27.3	27.2	27.8	28.3	26.7	27.4	27.2	27.8	28.3
8H	26.7	27.3	27.1	27.7	28.2	26.7	27.3	27.2	27.8	28.3
12H	26.6	27.2	27.1	27.7	28.2	26.7	27.2	27.2	27.7	28.2
8H 4H	26.6	27.2	27.0	27.6	28.1	26.6	27.2	27.1	27.7	28.2
6H	26.7	27.2	27.2	27.7	28.2	26.7	27.2	27.3	27.8	28.3
8H	26.7	27.1	27.2	27.7	28.2	26.8	27.2	27.3	27.7	28.3
12H	26.7	27.1	27.2	27.6	28.2	26.8	27.1	27.3	27.7	28.3
12H 4H	26.5	27.1	27.0	27.6	28.1	26.6	27.1	27.1	27.6	28.1
6H	26.7	27.1	27.2	27.6	28.2	26.7	27.2	27.3	27.7	28.2
8H	26.7	27.1	27.2	27.6	28.2	26.7	27.1	27.3	27.7	28.3
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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

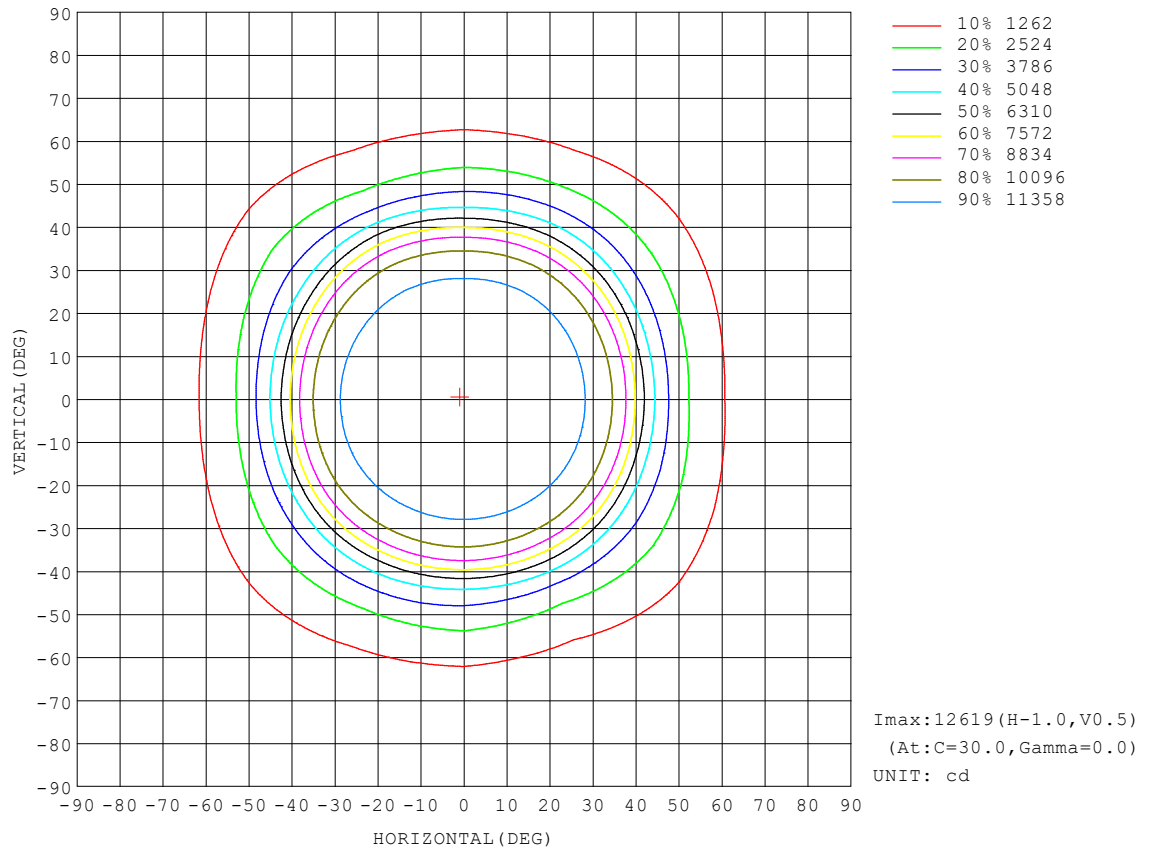
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	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	97	92	101	96	91	98	93	90	83
2.50	105	100	96	103	98	95	100	96	93	85
3.00	108	103	99	106	101	98	102	98	95	88
4.00	110	106	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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

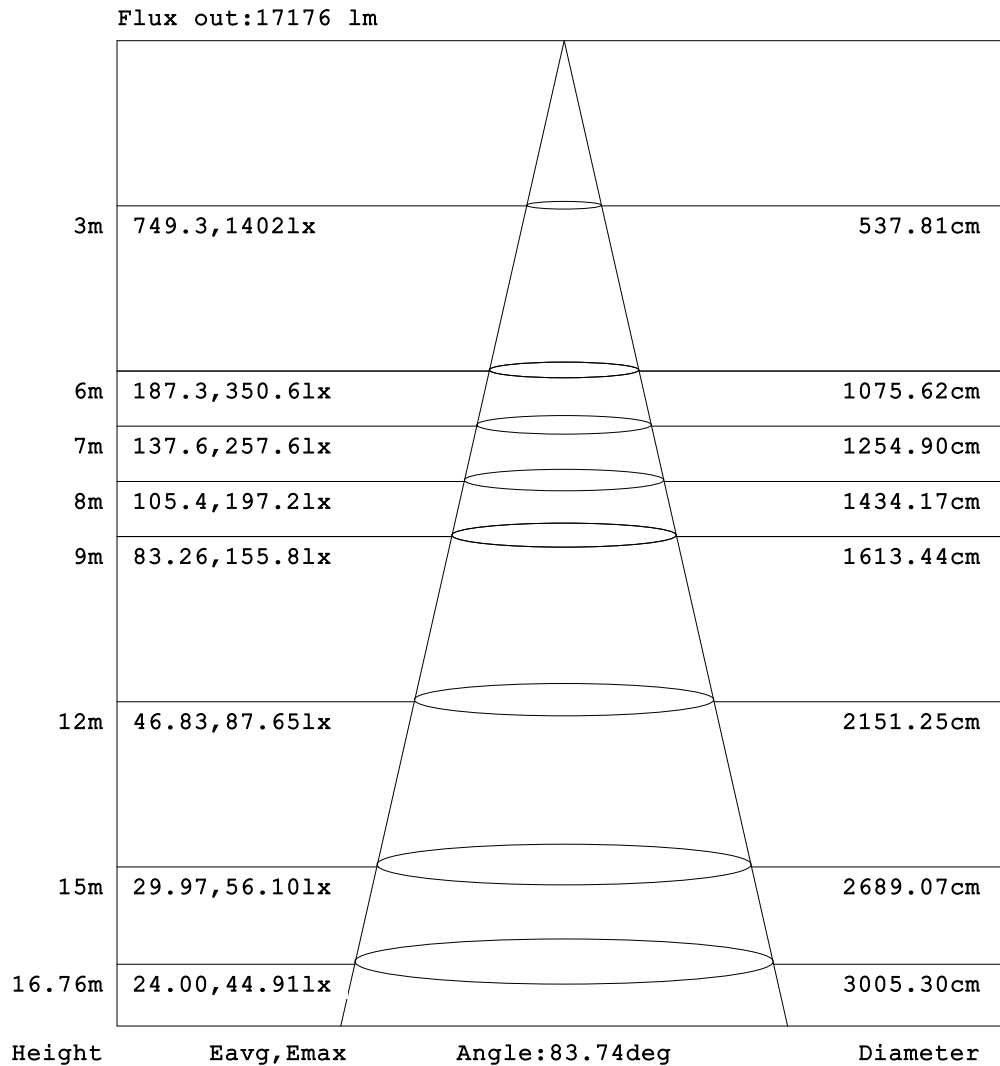


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:



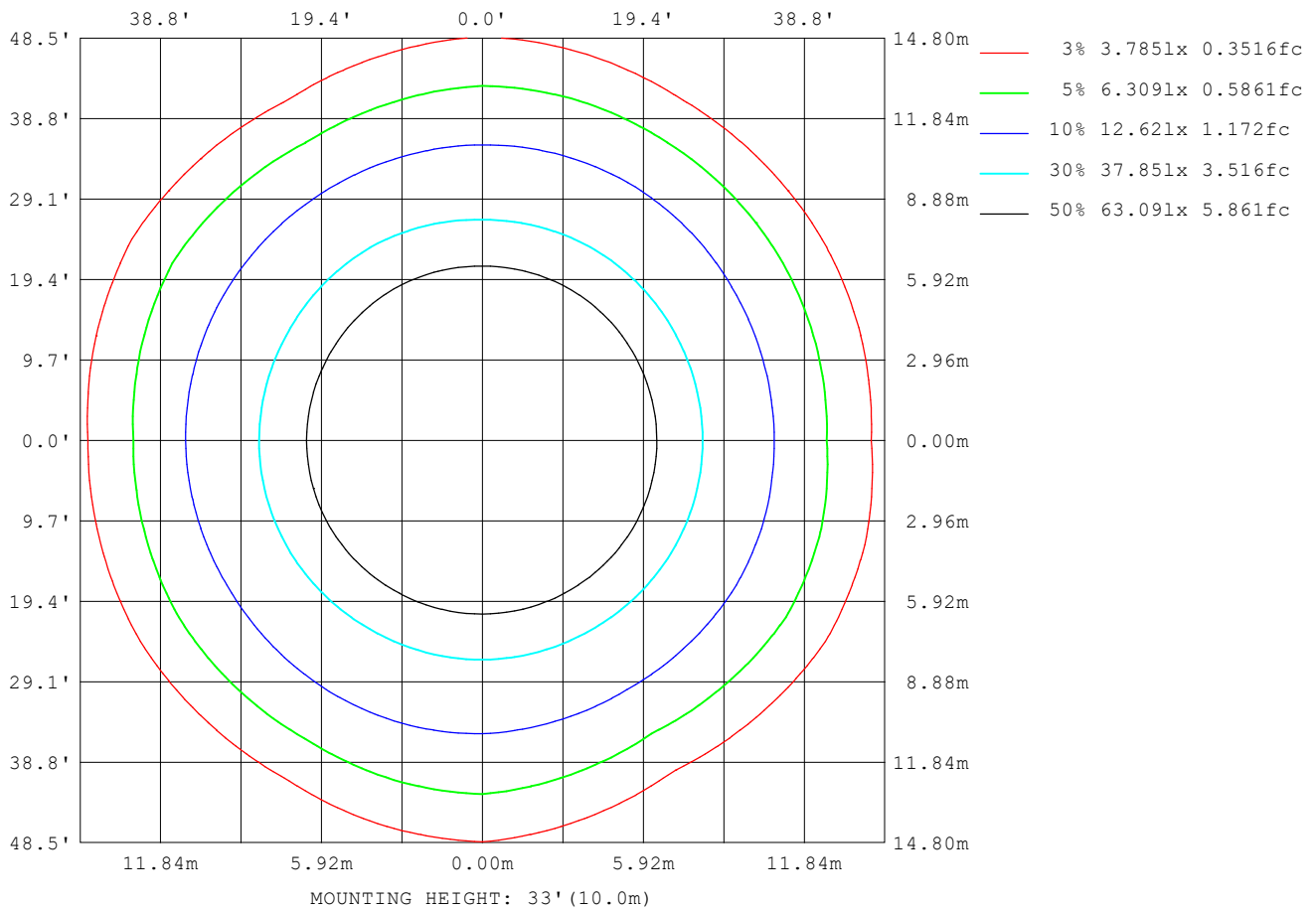
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date: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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:



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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

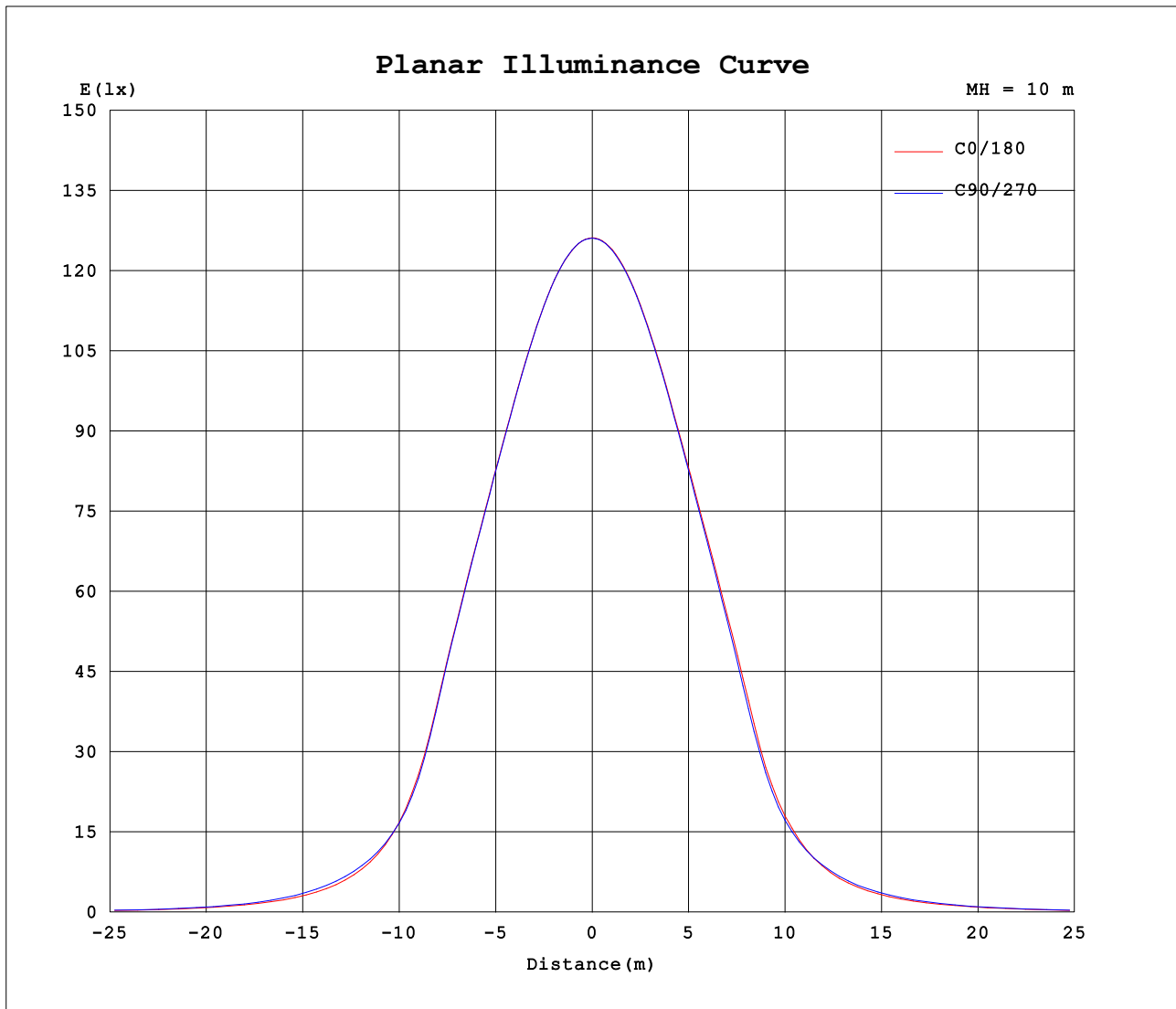
AvgL	cd/m2
L_0~180 (65) av	56358
L_0~180 (75) av	32923
L_0~180 (85) av	14270
L_90~270 (65) av	62275
L_90~270 (75) av	35536
L_90~270 (85) av	15280
L_45 (65) av	57228
L_45 (75) av	33345
L_45 (85) av	14505

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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*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	1262	1262	1262	1262	1262	1261	1261	1261	1261	1262	1262	1262	1262	1262	1262	1262	1262	1261	1261
5	1259	1260	1260	1259	1259	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1259	1259
10	1253	1254	1254	1253	1253	1253	1253	1253	1254	1254	1254	1255	1254	1254	1254	1254	1254	1253	1253
15	1239	1239	1239	1238	1238	1238	1238	1239	1239	1240	1240	1241	1241	1240	1240	1240	1240	1239	1238
20	1213	1214	1213	1212	1211	1211	1211	1212	1213	1214	1215	1216	1216	1215	1215	1215	1215	1214	1212
25	1173	1173	1173	1171	1170	1170	1170	1171	1172	1174	1176	1177	1177	1177	1176	1176	1176	1174	1172
30	1109	1110	1109	1107	1104	1105	1106	1106	1107	1112	1116	1118	1118	1117	1115	1116	1116	1112	1108
35	994	995	993	988	983	985	988	989	991	1000	1008	1012	1012	1010	1007	1009	1009	1001	994
40	746	743	738	729	723	727	735	734	737	754	772	782	786	778	771	778	784	769	753
45	476	471	466	460	458	464	473	478	481	479	481	497	511	503	493	497	502	495	487
50	307	323	325	303	284	306	331	327	319	323	329	328	328	338	345	331	317	324	334
55	201	219	222	203	187	208	231	221	207	213	220	216	214	227	237	222	208	220	233
60	134	144	146	133	122	136	152	147	138	142	146	145	144	151	157	148	141	150	158
65	86.7	93.3	94.1	85.7	78.7	87.5	97.2	94.4	89.9	92.5	95.7	94.9	94.3	98.4	102	97.3	93.3	98.2	103
70	54.5	57.9	58.3	53.4	49.5	54.4	59.9	58.4	56.0	57.7	59.7	59.4	59.1	61.5	63.4	61.3	59.2	61.7	63.9
75	30.5	32.5	32.8	30.2	27.9	30.5	33.5	32.6	31.4	32.4	33.8	34.1	34.2	35.3	36.0	35.3	34.5	35.5	36.4
80	14.1	14.8	14.8	13.7	12.9	14.0	15.3	15.1	14.8	15.4	16.1	16.3	16.5	17.1	17.5	17.1	16.7	17.3	17.7
85	3.59	3.85	3.89	3.57	3.33	3.80	4.30	4.15	4.02	4.49	5.10	5.54	5.86	5.96	5.98	6.04	6.06	5.97	5.82
90	0.25	0.25	0.25	0.25	0.24	0.25	0.25	0.25	0.24	0.20	0.24	0.55	0.85	0.89	0.85	0.84	0.84	0.84	0.85
95	0.39	0.39	0.39	0.39	0.38	0.38	0.39	0.39	0.38	0.33	0.37	0.68	1.00	1.04	1.01	0.99	0.97	1.00	1.02
100	0.60	0.60	0.60	0.59	0.58	0.59	0.60	0.60	0.59	0.53	0.56	0.89	1.23	1.28	1.24	1.22	1.20	1.23	1.26
105	0.91	0.91	0.91	0.90	0.89	0.89	0.90	0.90	0.89	0.83	0.85	1.20	1.56	1.60	1.56	1.54	1.52	1.55	1.59
110	1.37	1.36	1.35	1.35	1.35	1.34	1.33	1.34	1.34	1.26	1.27	1.64	2.02	2.07	2.02	1.99	1.97	2.01	2.05
115	2.01	1.99	1.99	1.99	2.00	1.98	1.96	1.97	1.98	1.89	1.89	2.27	2.66	2.71	2.66	2.63	2.61	2.65	2.69
120	2.82	2.80	2.79	2.80	2.81	2.78	2.75	2.77	2.78	2.68	2.69	3.08	3.49	3.54	3.48	3.45	3.43	3.46	3.51
125	3.75	3.73	3.72	3.73	3.74	3.71	3.67	3.69	3.70	3.61	3.61	4.02	4.44	4.49	4.43	4.40	4.38	4.41	4.45
130	4.76	4.73	4.72	4.74	4.76	4.71	4.67	4.69	4.71	4.61	4.61	5.04	5.47	5.52	5.46	5.43	5.41	5.44	5.48
135	5.77	5.75	5.75	5.77	5.78	5.74	5.70	5.72	5.74	5.64	5.65	6.06	6.49	6.54	6.49	6.45	6.43	6.46	6.50
140	6.75	6.73	6.73	6.76	6.77	6.73	6.69	6.71	6.72	6.63	6.64	7.04	7.44	7.49	7.44	7.40	7.38	7.41	7.45
145	7.65	7.66	7.66	7.67	7.67	7.65	7.62	7.63	7.64	7.56	7.57	7.94	8.31	8.35	8.29	8.26	8.24	8.27	8.31
150	8.48	8.49	8.50	8.50	8.50	8.48	8.47	8.47	8.47	8.40	8.41	8.73	9.06	9.10	9.06	9.02	9.00	9.03	9.06
155	9.34	9.34	9.34	9.34	9.35	9.33	9.31	9.31	9.31	9.24	9.24	9.50	9.77	9.81	9.78	9.74	9.71	9.74	9.77
160	10.3	10.3	10.3	10.3	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.4	10.6	10.6	10.6	10.5	10.5	10.5	10.6
165	11.2	11.2	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.4	11.4	11.4	11.4	11.3	11.3	11.4
170	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.0	12.1	12.1	12.1	12.1	12.0	12.0	12.0
175	12.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
180	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7

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:276.85V I:0.5435A P:150.03W PF:0.9970 Freq:50.01Hz Lamp Flux:23638.2x1 lm		
NAME: ASD-UHB2AHV-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

Table--2

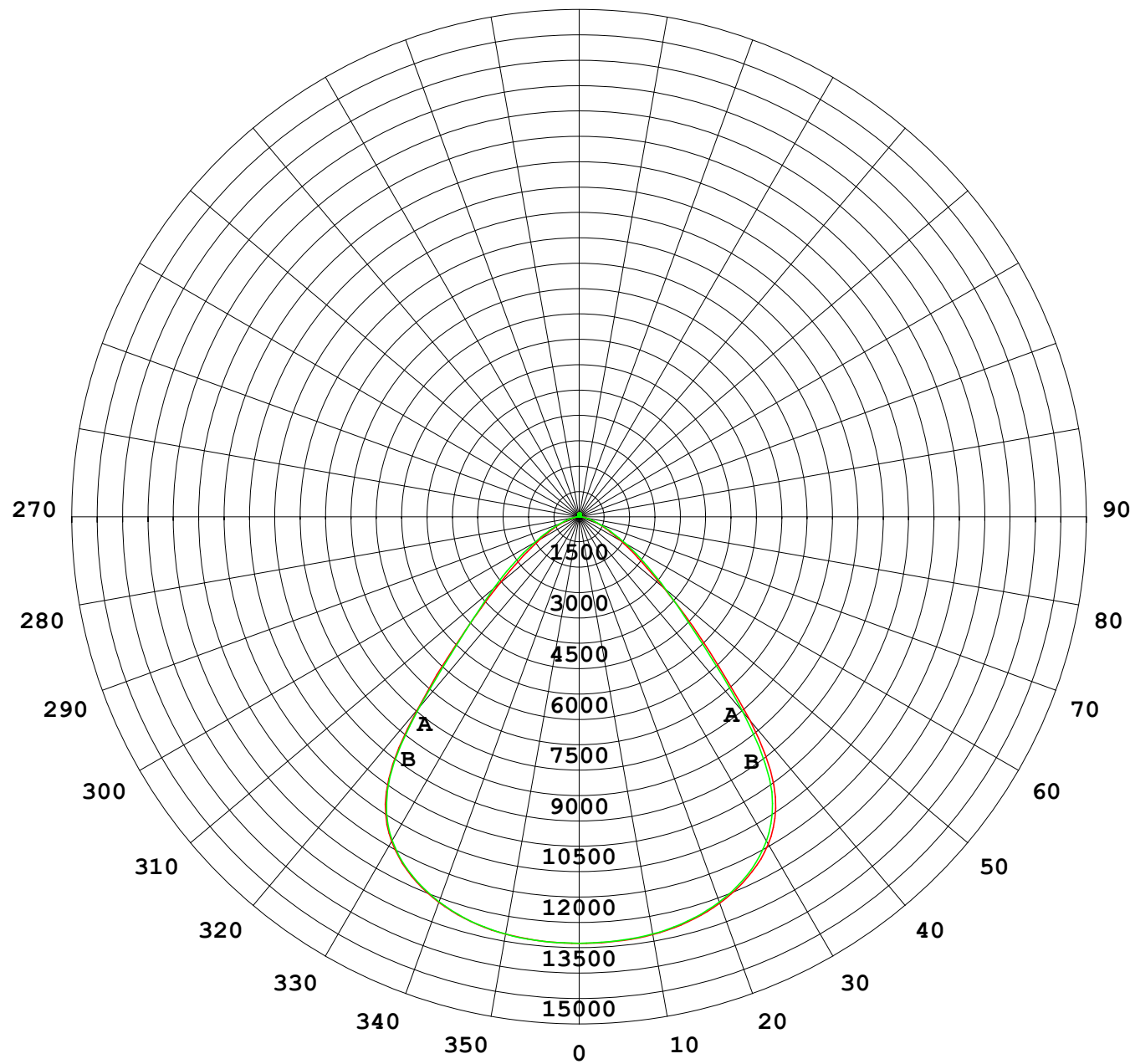
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1261	1261	1262	1262	1262														
5	1259	1259	1259	1259	1259														
10	1253	1253	1253	1253	1253														
15	1238	1239	1239	1238	1238														
20	1213	1213	1213	1213	1213														
25	1172	1174	1173	1173	1173														
30	1109	1111	1111	1110	1110														
35	996	1000	997	994	993														
40	755	760	753	745	744														
45	493	498	486	473	471														
50	335	331	324	317	311														
55	226	216	215	215	210														
60	151	141	141	142	139														
65	98.0	92.1	92.0	92.5	90.4														
70	61.4	58.3	57.9	57.9	56.5														
75	35.1	33.6	33.3	33.1	32.1														
80	17.0	16.2	15.9	15.7	15.0														
85	5.61	5.36	5.11	4.78	4.26														
90	0.84	0.84	0.88	0.85	0.62														
95	1.02	1.01	1.06	1.03	0.79														
100	1.26	1.25	1.30	1.27	1.02														
105	1.59	1.59	1.63	1.60	1.34														
110	2.05	2.05	2.11	2.08	1.82														
115	2.70	2.70	2.77	2.74	2.48														
120	3.51	3.52	3.60	3.58	3.31														
125	4.46	4.47	4.56	4.55	4.26														
130	5.48	5.49	5.59	5.58	5.29														
135	6.49	6.49	6.60	6.60	6.30														
140	7.44	7.43	7.54	7.54	7.26														
145	8.30	8.30	8.39	8.38	8.12														
150	9.06	9.06	9.13	9.12	8.89														
155	9.77	9.77	9.82	9.82	9.65														
160	10.6	10.5	10.6	10.6	10.5														
165	11.3	11.3	11.4	11.4	11.3														
170	12.0	12.0	12.0	12.0	12.0														
175	12.5	12.5	12.5	12.5	12.5														
180	12.7	12.7	12.7	12.7	12.7														

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

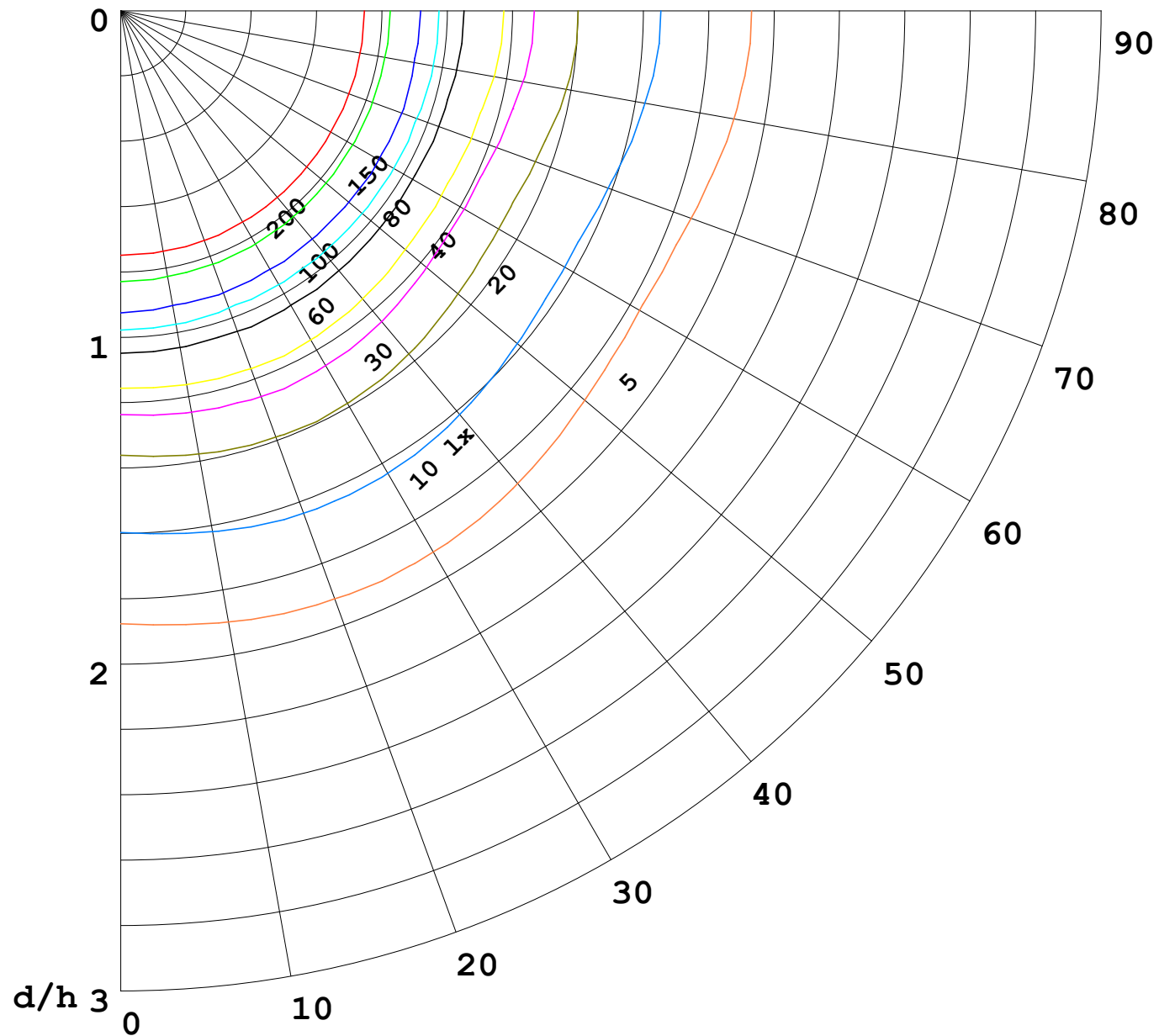
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

