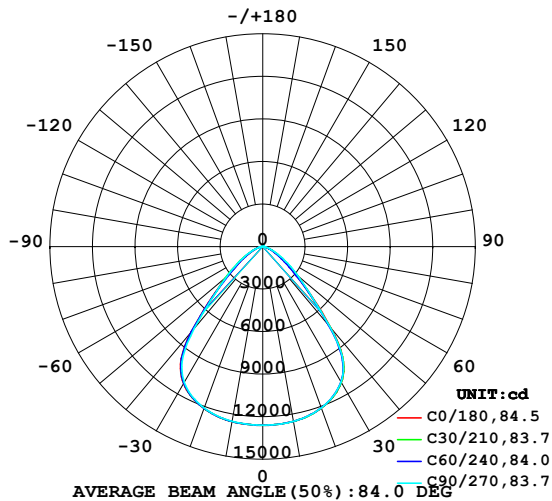


LUMINAIRE PHOTOMETRIC TEST REPORT

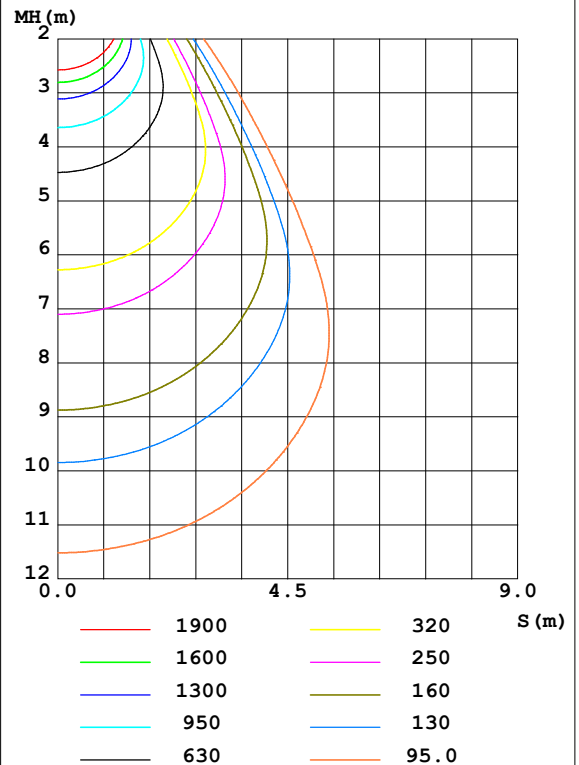
Test:U:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.02 lm/W			
MODEL	ASD-UHB2A-ST-150BK	I _{max} (cd)	12607	S/MH(C0/180)	1.23
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	23610	η UP,DN(C0-180)	0.5,49.0
NOMINAL FLUX(lm)	23609.9	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)	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:

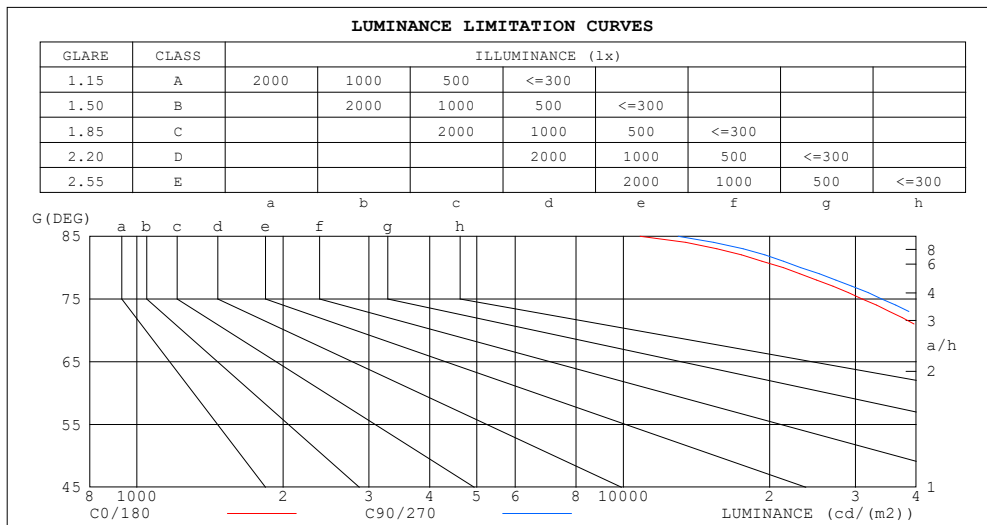
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1252	1252	1252	1253	1253	1252	1251	1251	0- 10	1199	1199	5.08,5.08
20	1212	1211	1210	1212	1214	1214	1211	1212	10- 20	3497	4696	19.9,19.9
30	1108	1105	1105	1110	1117	1115	1107	1109	20- 30	5393	10089	42.7,42.7
40	745.2	728.3	733.7	753.0	785.0	777.2	752.0	751.8	30- 40	6074	16163	68.5,68.5
50	306.1	302.7	330.8	322.8	327.7	330.9	334.0	324.1	40- 50	3837	20000	84.7,84.7
60	133.4	132.6	151.8	141.5	143.4	148.2	158.0	140.9	50- 60	1973	21973	93.1,93.1
70	54.39	53.38	59.87	57.59	59.06	61.21	63.87	57.88	60- 70	945.6	22919	97.1,97.1
80	14.08	13.69	15.29	15.35	16.45	17.12	17.66	15.92	70- 80	362.9	23281	98.6,98.6
90	0.2459	0.2479	0.2534	0.2038	0.8520	0.8440	0.8457	0.8791	80- 90	63.61	23345	98.9,98.9
100	0.5968	0.5922	0.5963	0.5319	1.226	1.217	1.258	1.299	90-100	7.739	23353	98.9,98.9
110	1.368	1.349	1.333	1.263	2.015	1.989	2.048	2.108	100-110	13.27	23366	99,99
120	2.821	2.797	2.746	2.681	3.485	3.443	3.502	3.595	110-120	23.30	23389	99.1,99.1
130	4.750	4.734	4.667	4.605	5.466	5.423	5.473	5.581	120-130	36.52	23426	99.2,99.2
140	6.740	6.748	6.680	6.626	7.434	7.395	7.445	7.526	130-140	47.05	23473	99.4,99.4
150	8.470	8.490	8.457	8.388	9.045	9.012	9.053	9.118	140-150	49.73	23523	99.6,99.6
160	10.25	10.25	10.21	10.15	10.57	10.54	10.55	10.59	150-160	43.97	23567	99.8,99.8
170	11.90	11.89	11.86	11.84	12.05	12.04	12.01	12.01	160-170	31.55	23598	100,100
180	12.69	12.69	12.68	12.64	12.69	12.69	12.68	12.64	170-180	11.72	23610	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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-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	10822	12972
80	21344	23168
75	30979	34013
70	41853	46073
65	53903	60492
60	70198	79927
55	92279	105752
50	125352	135467
45	177087	175761

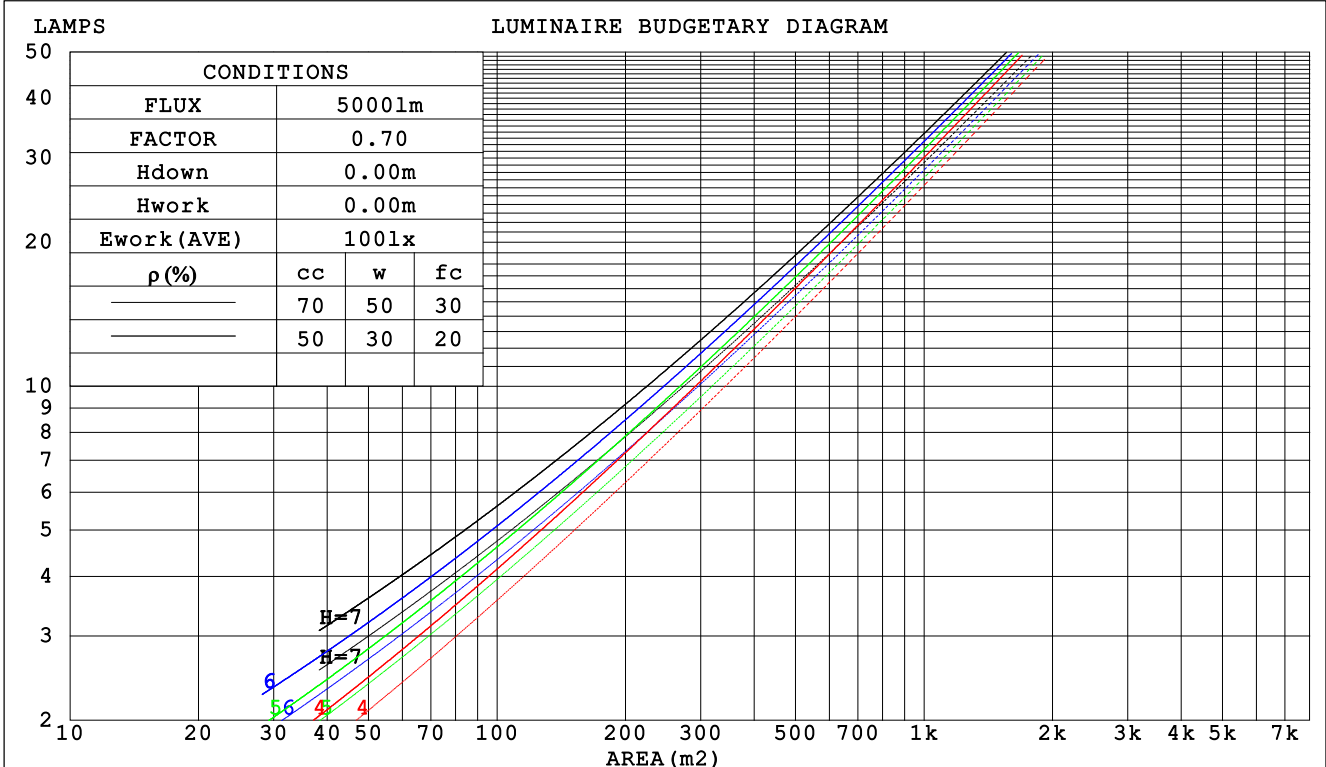
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-4-15

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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-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	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	1.05	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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz										
Lamp Flux:23609.9x1 lm										
NAME: ASD-UHB2A-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	27.1	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	27.3	27.0	27.8	28.3
6H	26.7	27.3	27.1	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	26.7	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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

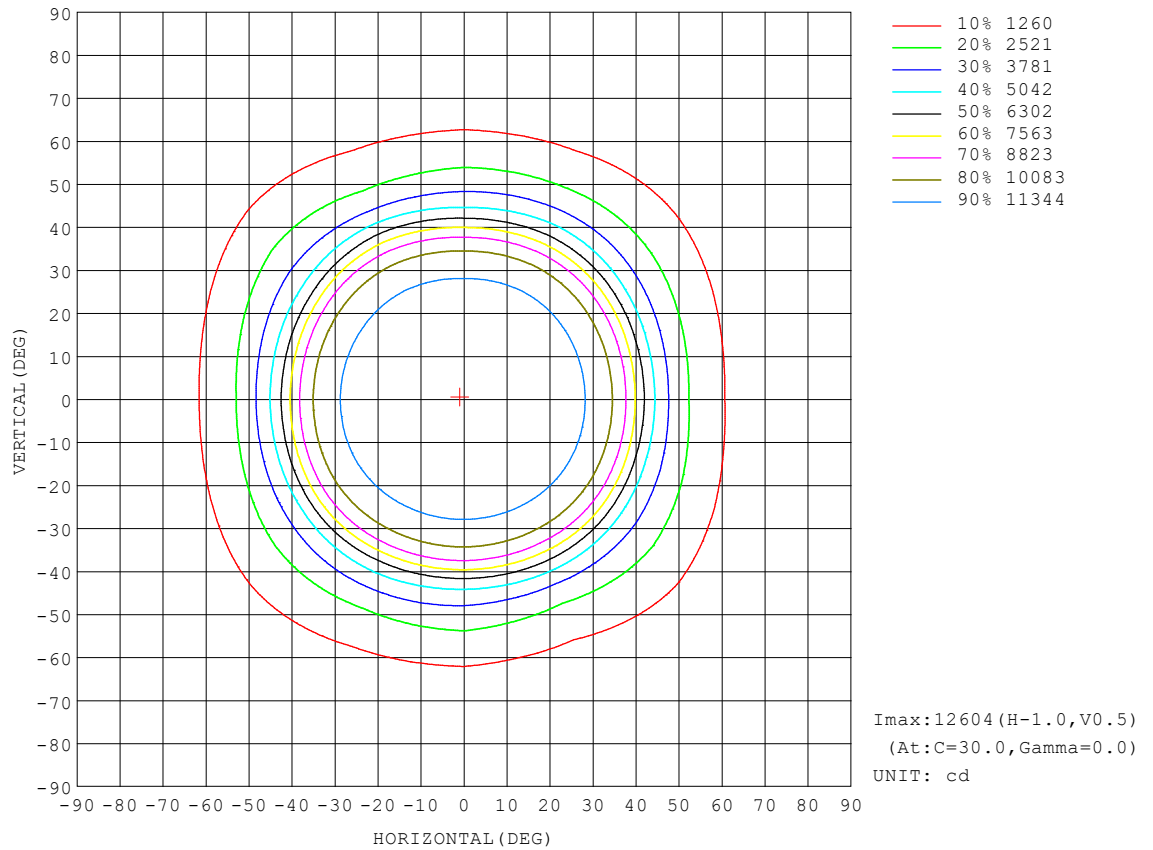
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

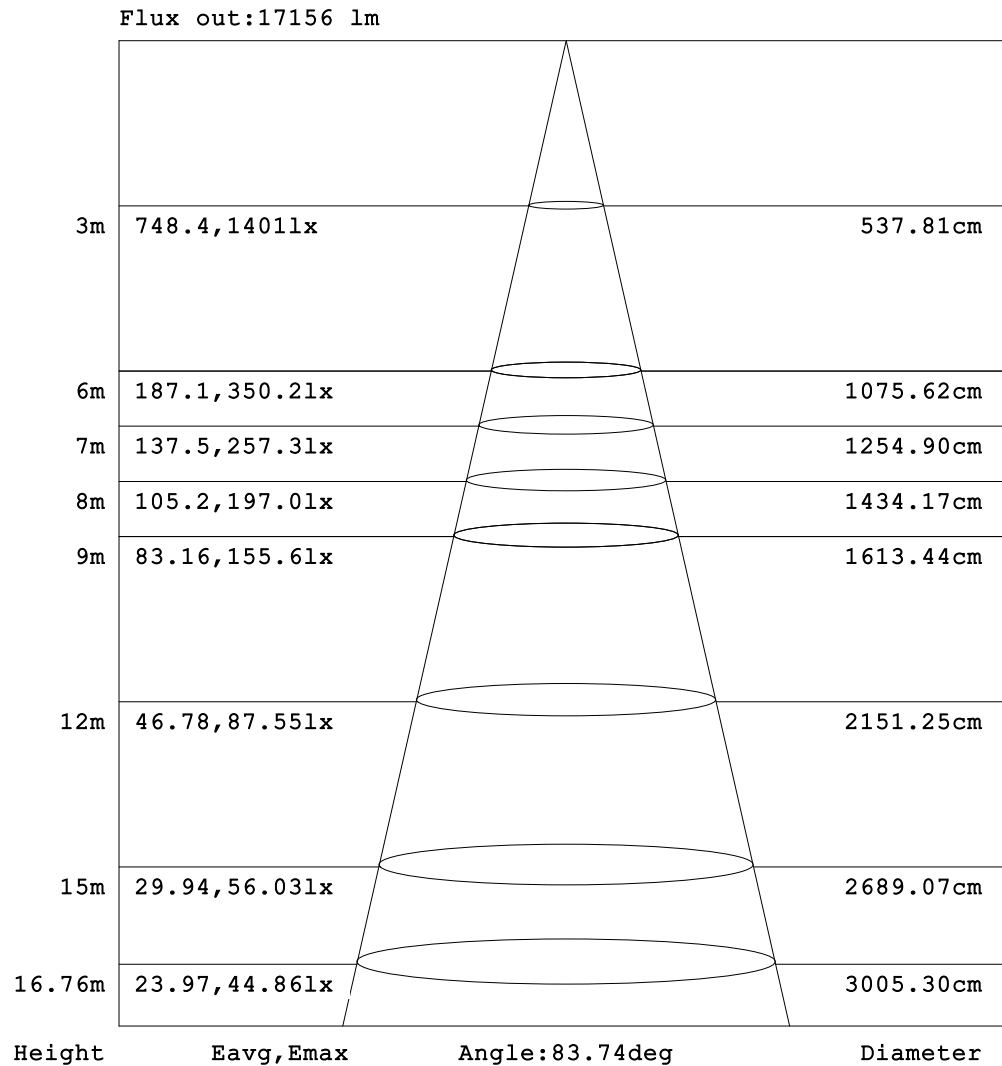


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:



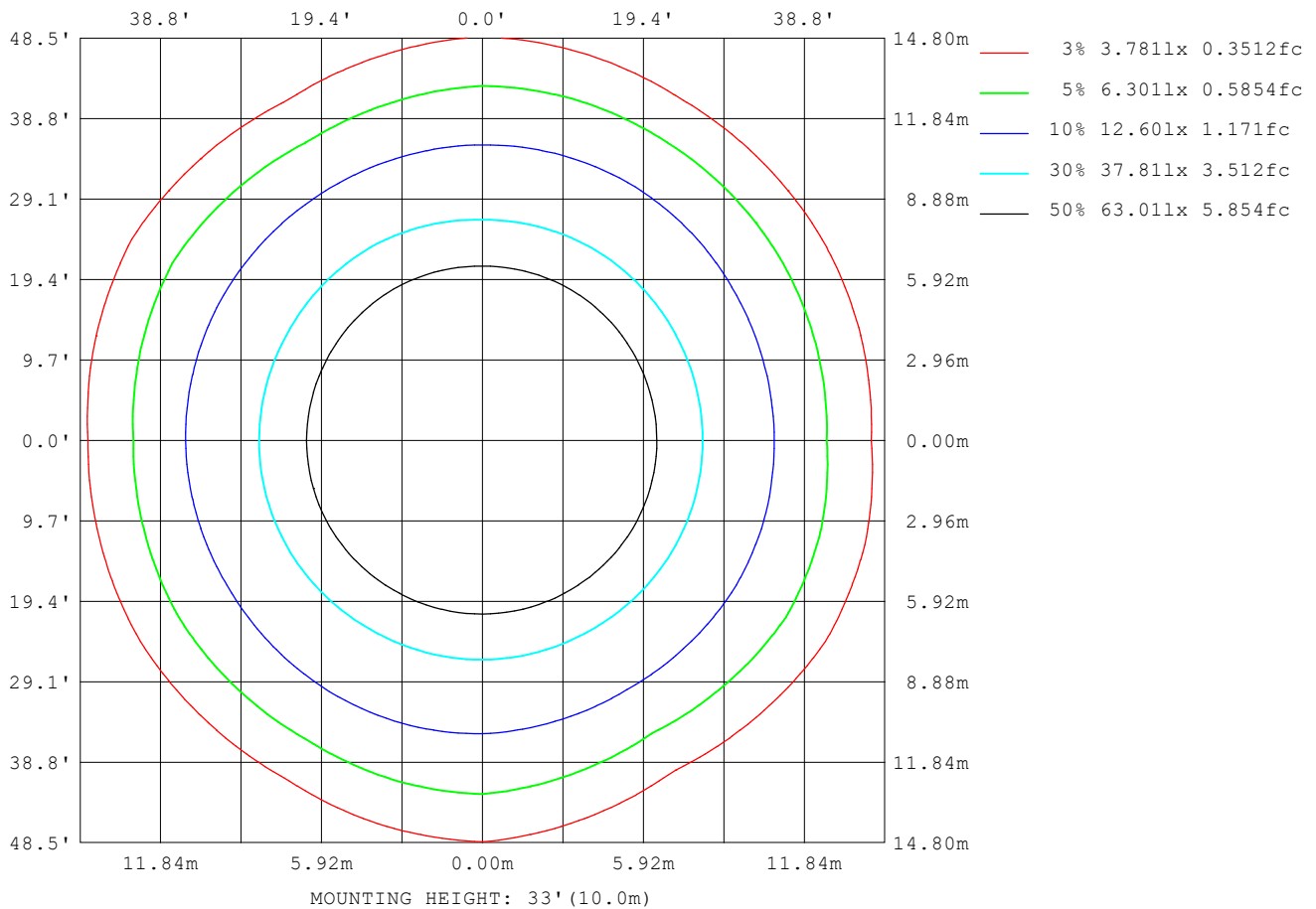
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-ST-150BK	TYPE: UHB2A ST	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 110*110*3.14	Shielding Angle:

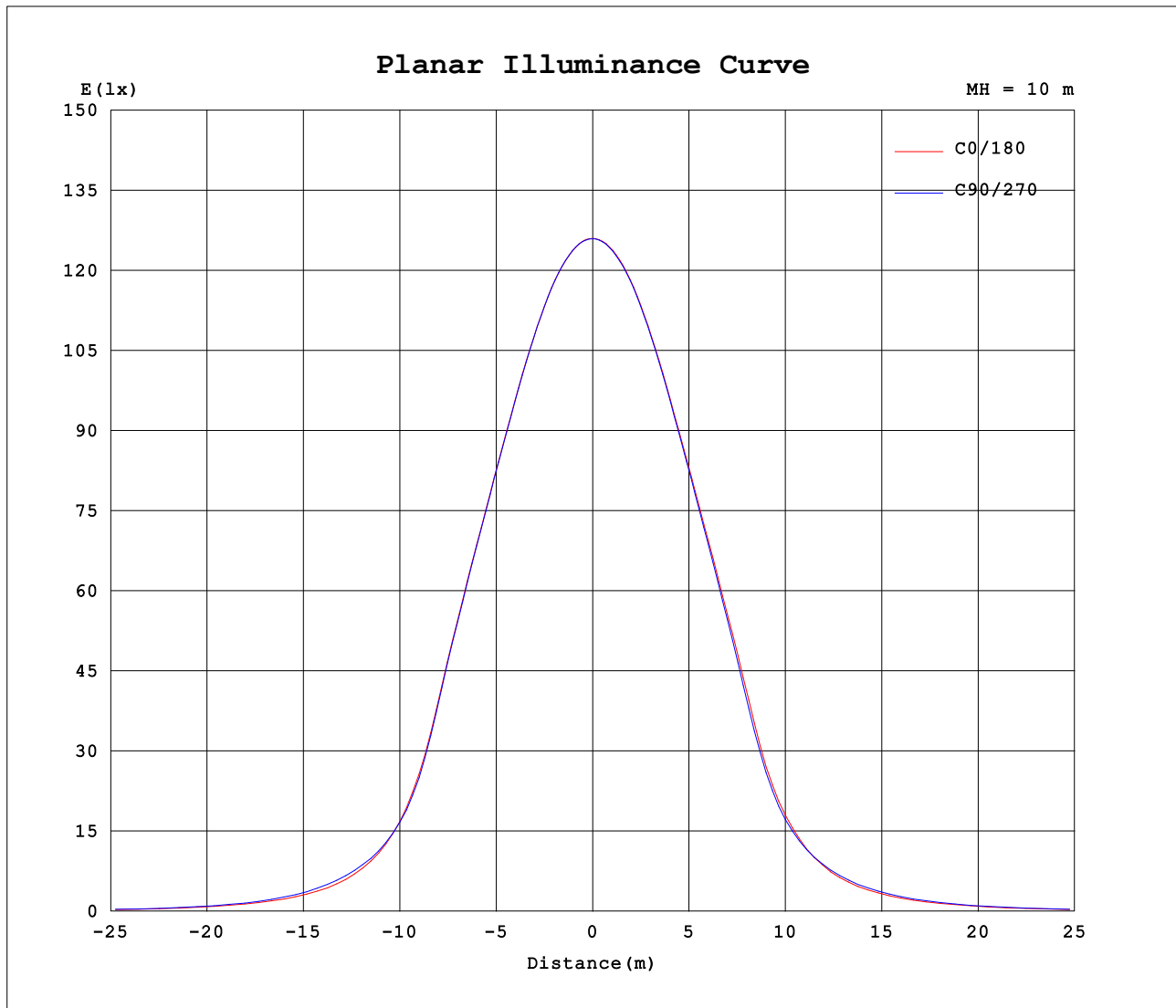
AvgL	cd/m2
L_0~180 (65) av	56291
L_0~180 (75) av	32883
L_0~180 (85) av	14253
L_90~270 (65) av	62200
L_90~270 (75) av	35493
L_90~270 (85) av	15261
L_45 (65) av	57159
L_45 (75) av	33305
L_45 (85) av	14488

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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-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	1260	1261	1261	1261	1260	1260	1259	1260	1260	1260	1260	1260	1260	1260	1261	1261	1260	1260	1259
5	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1259	1259	1259	1259	1258	1258	1257
10	1252	1252	1252	1252	1251	1251	1252	1252	1252	1253	1253	1253	1253	1253	1252	1252	1252	1252	1251
15	1237	1238	1238	1237	1236	1236	1237	1237	1237	1238	1239	1239	1239	1239	1238	1238	1239	1238	1237
20	1212	1212	1212	1211	1210	1210	1210	1210	1211	1212	1214	1214	1214	1214	1213	1214	1214	1212	1211
25	1171	1172	1172	1170	1168	1168	1169	1169	1170	1173	1175	1175	1176	1175	1175	1175	1174	1172	1170
30	1108	1109	1108	1105	1103	1103	1105	1105	1106	1110	1115	1117	1117	1116	1114	1115	1114	1110	1107
35	993	993	992	987	982	984	987	988	990	999	1007	1010	1011	1009	1006	1008	1008	1000	993
40	745	742	737	728	722	727	734	733	736	753	771	781	785	777	770	777	783	768	752
45	476	470	465	459	457	464	472	477	480	479	480	496	510	502	492	497	502	494	487
50	306	323	325	303	284	306	331	327	318	323	329	328	328	338	345	331	317	324	334
55	201	218	222	203	187	208	230	221	207	212	220	216	214	227	237	222	208	220	233
60	133	144	146	133	121	136	152	146	138	141	146	144	143	151	156	148	141	149	158
65	86.6	93.2	94.0	85.6	78.6	87.4	97.1	94.3	89.8	92.3	95.6	94.8	94.2	98.3	102	97.2	93.2	98.0	103
70	54.4	57.9	58.2	53.4	49.4	54.3	59.9	58.3	55.9	57.6	59.7	59.3	59.1	61.4	63.3	61.2	59.1	61.6	63.9
75	30.5	32.5	32.8	30.1	27.9	30.5	33.4	32.6	31.3	32.4	33.8	34.0	34.2	35.2	36.0	35.2	34.5	35.5	36.4
80	14.1	14.7	14.7	13.7	12.9	14.0	15.3	15.1	14.7	15.3	16.1	16.3	16.4	17.1	17.5	17.1	16.7	17.2	17.7
85	3.58	3.84	3.89	3.56	3.32	3.79	4.30	4.15	4.01	4.49	5.09	5.53	5.86	5.96	5.97	6.04	6.05	5.97	5.81
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	0.38	0.39	0.39	0.39	0.38	0.38	0.39	0.39	0.38	0.33	0.36	0.68	0.99	1.04	1.01	0.99	0.97	0.99	1.02
100	0.60	0.60	0.60	0.59	0.58	0.59	0.60	0.59	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	1.55	1.60	1.56	1.53	1.52	1.55	1.58
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	1.98	1.99	1.99	1.97	1.96	1.97	1.98	1.89	1.89	2.27	2.66	2.71	2.66	2.63	2.61	2.64	2.69
120	2.82	2.79	2.78	2.80	2.81	2.78	2.75	2.76	2.78	2.68	2.68	3.08	3.48	3.53	3.47	3.44	3.42	3.46	3.50
125	3.75	3.72	3.71	3.73	3.74	3.70	3.67	3.68	3.70	3.60	3.60	4.02	4.44	4.49	4.42	4.39	4.37	4.41	4.45
130	4.75	4.72	4.71	4.73	4.75	4.71	4.67	4.69	4.70	4.61	4.61	5.03	5.47	5.52	5.45	5.42	5.40	5.43	5.47
135	5.76	5.74	5.74	5.76	5.78	5.73	5.69	5.71	5.73	5.63	5.64	6.06	6.48	6.54	6.48	6.44	6.42	6.45	6.49
140	6.74	6.73	6.72	6.75	6.76	6.72	6.68	6.70	6.72	6.63	6.63	7.03	7.43	7.49	7.43	7.39	7.37	7.41	7.45
145	7.64	7.65	7.65	7.66	7.67	7.64	7.61	7.62	7.63	7.55	7.56	7.93	8.30	8.34	8.28	8.25	8.23	8.27	8.30
150	8.47	8.48	8.49	8.49	8.49	8.47	8.46	8.46	8.46	8.39	8.40	8.72	9.04	9.09	9.05	9.01	8.99	9.02	9.05
155	9.33	9.33	9.33	9.33	9.34	9.32	9.30	9.30	9.30	9.23	9.23	9.49	9.76	9.80	9.77	9.73	9.70	9.73	9.76
160	10.2	10.2	10.2	10.2	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	10.5
165	11.2	11.1	11.1	11.1	11.1	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	11.3
170	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8	11.8	11.9	12.0	12.1	12.1	12.0	12.0	12.0	12.0
175	12.4	12.4	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
180	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6	12.6	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:120.96V I:1.2548A P:151.33W PF:0.9970 Freq:50.01Hz Lamp Flux:23609.9x1 lm		
NAME: ASD-UHB2A-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

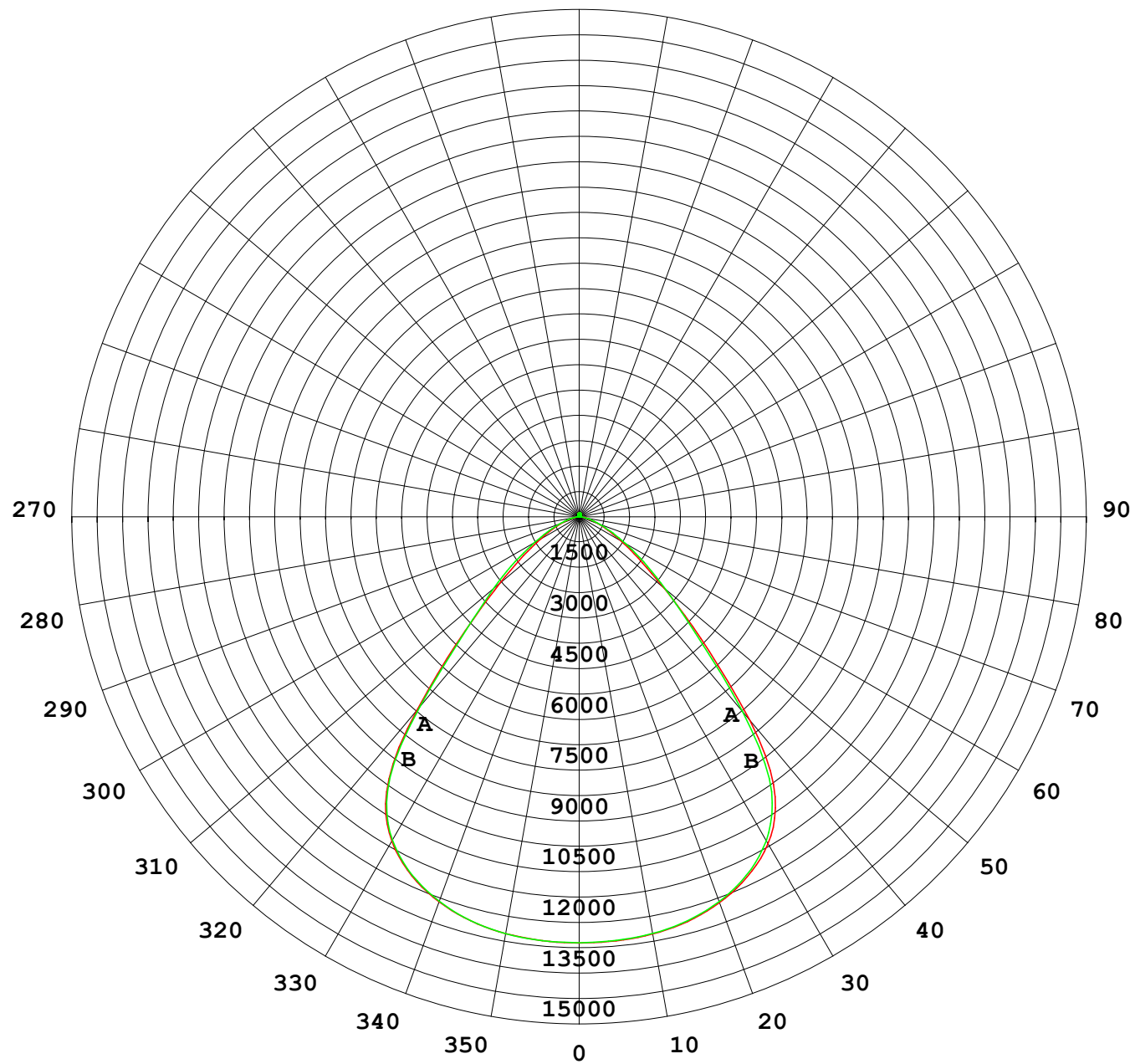
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1260	1260	1260	1260	1260														
5	1257	1257	1257	1257	1258														
10	1251	1252	1251	1251	1251														
15	1237	1237	1237	1237	1237														
20	1211	1212	1212	1211	1211														
25	1171	1172	1172	1171	1171														
30	1108	1110	1109	1109	1108														
35	995	999	996	993	992														
40	754	759	752	744	743														
45	493	498	485	472	470														
50	334	331	324	317	311														
55	226	215	215	214	209														
60	151	141	141	142	139														
65	97.9	92.0	91.9	92.4	90.3														
70	61.4	58.2	57.9	57.8	56.5														
75	35.1	33.5	33.3	33.1	32.0														
80	17.0	16.2	15.9	15.7	15.0														
85	5.60	5.35	5.11	4.77	4.26														
90	0.84	0.84	0.88	0.85	0.62														
95	1.02	1.01	1.06	1.02	0.79														
100	1.26	1.25	1.30	1.26	1.02														
105	1.59	1.58	1.63	1.60	1.34														
110	2.05	2.05	2.11	2.08	1.81														
115	2.69	2.70	2.77	2.74	2.47														
120	3.51	3.52	3.60	3.58	3.30														
125	4.46	4.46	4.55	4.54	4.25														
130	5.48	5.48	5.58	5.58	5.28														
135	6.49	6.49	6.59	6.59	6.29														
140	7.43	7.42	7.53	7.53	7.25														
145	8.29	8.29	8.38	8.37	8.11														
150	9.05	9.05	9.12	9.11	8.88														
155	9.76	9.75	9.81	9.81	9.64														
160	10.5	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	12.4	12.5	12.5	12.5														
180	12.7	12.6	12.6	12.6	12.7														

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

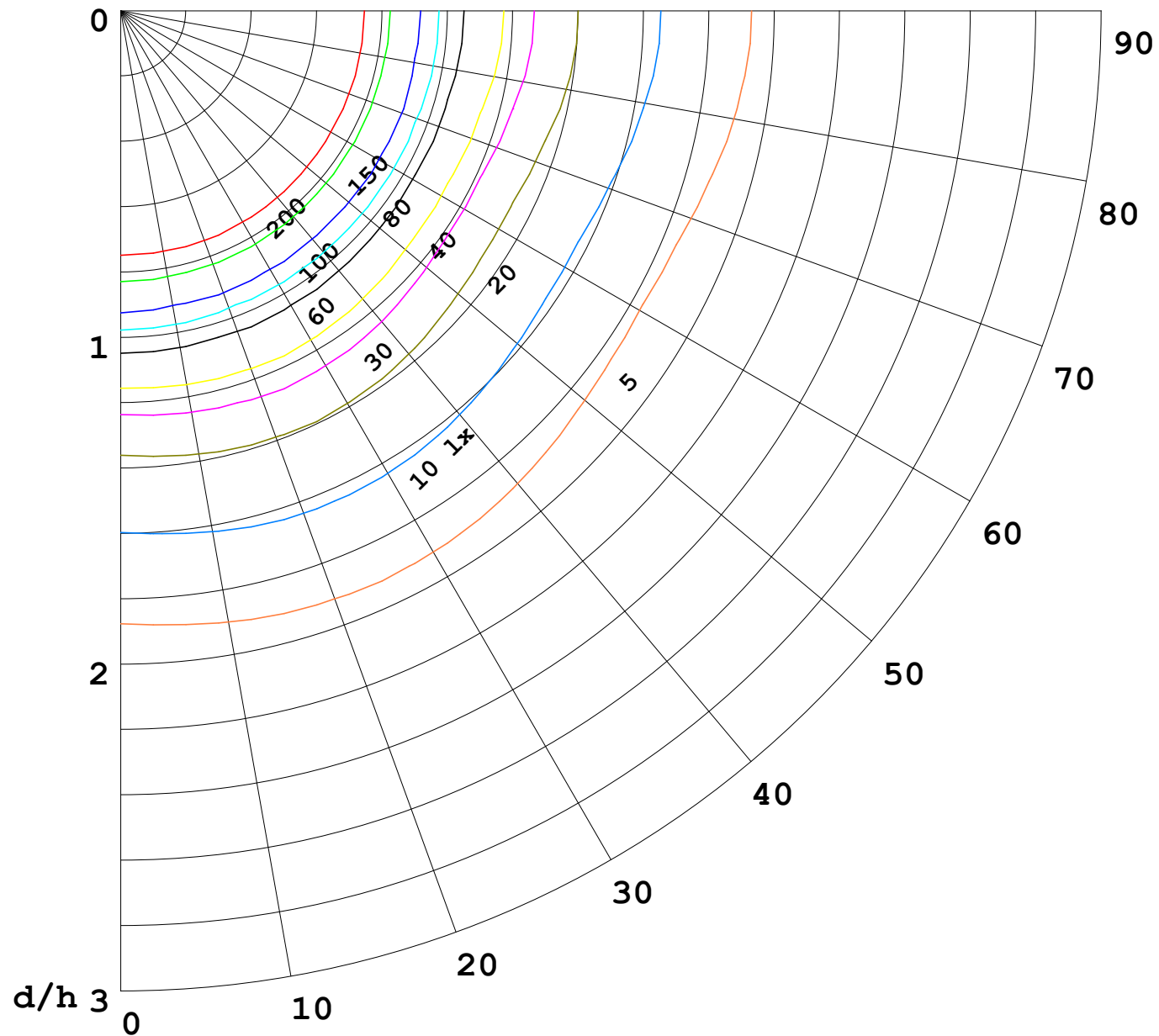
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

