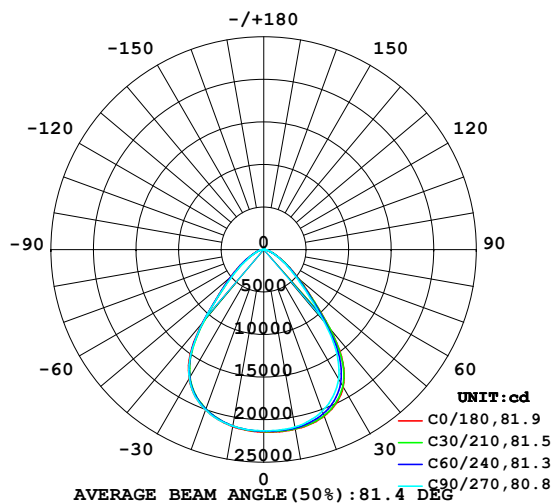


LUMINAIRE PHOTOMETRIC TEST REPORT

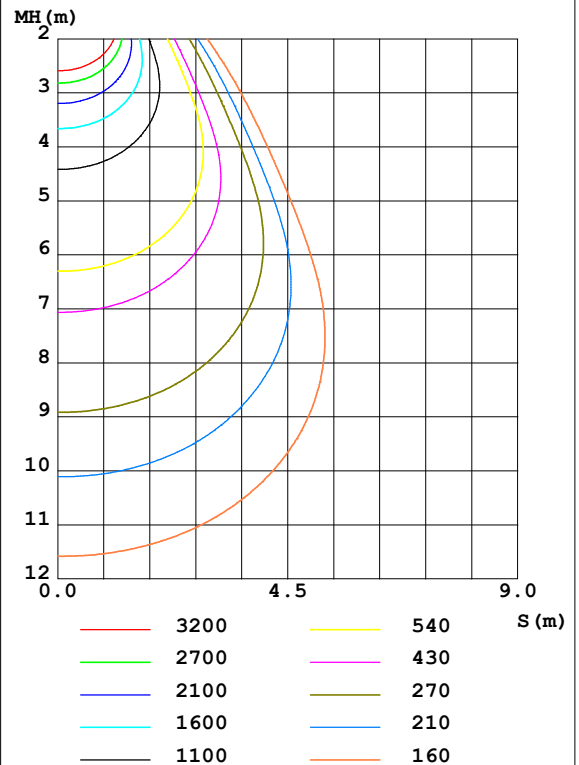
Test:U:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.58 lm/W			
MODEL	ASD-UHB2AHV-ST-240BK	I _{max} (cd)	21477	S/MH(C0/180)	1.17
NOMINAL POWER(W)	240	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	37738	η UP,DN(C0-180)	0.5,49.6
NOMINAL FLUX(lm)	37738.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,49.3
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	277	η down(%)	98.9	CIBSE SHR MAX	1.15

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:

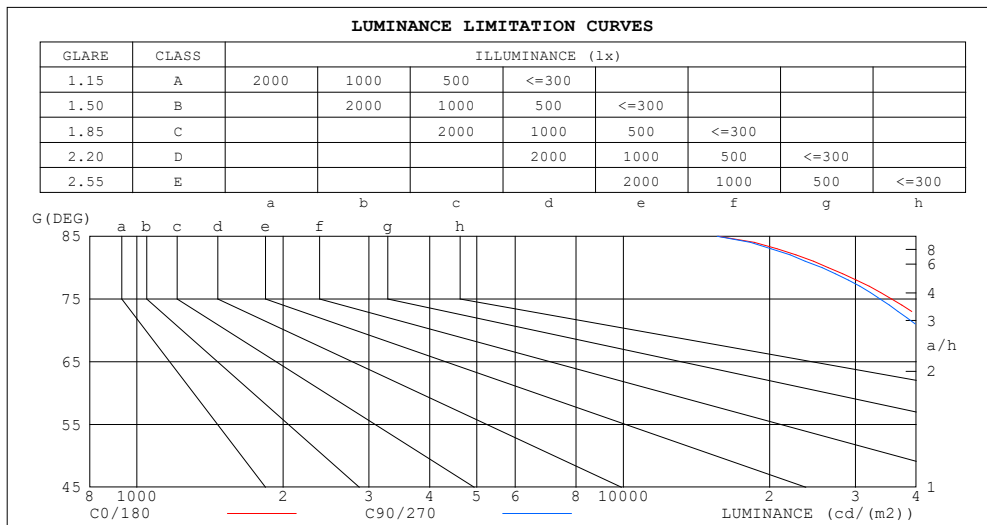
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2143	2134	2117	2094	2112	2104	2107	2115	0- 10	2028	2028	5.37,5.37
20	2082	2065	2018	1967	2002	1991	2003	2024	10- 20	5867	7896	20.9,20.9
30	1866	1836	1760	1678	1755	1735	1750	1768	20- 30	8805	16701	44.3,44.3
40	1209	1176	1100	1028	1114	1093	1099	1116	30- 40	9251	25952	68.8,68.8
50	546.5	528.6	489.9	479.9	519.9	499.0	483.1	516.1	40- 50	5857	31810	84.3,84.3
60	248.5	240.7	226.4	220.7	238.7	231.3	216.6	238.2	50- 60	3165	34974	92.7,92.7
70	104.3	101.6	96.95	94.10	100.3	97.99	93.83	102.6	60- 70	1550	36524	96.8,96.8
80	31.28	31.05	30.43	29.63	32.49	32.68	31.62	34.05	70- 80	658.6	37183	98.5,98.5
90	0.4393	0.4358	0.4275	0.3810	1.495	1.472	1.434	1.462	80- 90	127.9	37311	98.9,98.9
100	0.9763	0.9690	0.9526	0.9235	2.203	2.165	2.098	2.130	90-100	13.32	37324	98.9,98.9
110	2.129	2.110	2.089	2.081	3.540	3.468	3.339	3.338	100-110	22.10	37346	99,99
120	4.310	4.277	4.279	4.279	5.977	5.835	5.600	5.494	110-120	37.54	37384	99.1,99.1
130	7.433	7.393	7.425	7.422	9.359	9.137	8.805	8.574	120-130	58.53	37442	99.2,99.2
140	10.67	10.61	10.64	10.68	12.64	12.36	12.00	11.69	130-140	75.68	37518	99.4,99.4
150	13.57	13.51	13.56	13.62	15.39	15.07	14.72	14.43	140-150	80.43	37598	99.6,99.6
160	16.06	16.00	16.12	16.15	17.50	17.13	16.78	16.56	150-160	70.82	37669	99.8,99.8
170	18.96	18.97	18.96	18.88	19.90	19.49	19.13	18.88	160-170	50.19	37719	99.9,99.9
180	21.05	20.95	20.74	20.46	21.17	20.93	20.69	20.48	170-180	18.93	37738	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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		



LUMINANCE $\text{cd}/(\text{m}^2)$		
G (DEG)	C0/180	C90/270
85	15673	15609
80	26372	25649
75	35626	33753
70	44658	41494
65	56163	51658
60	72741	66270
55	95247	86331
50	124460	111570
45	165320	149780

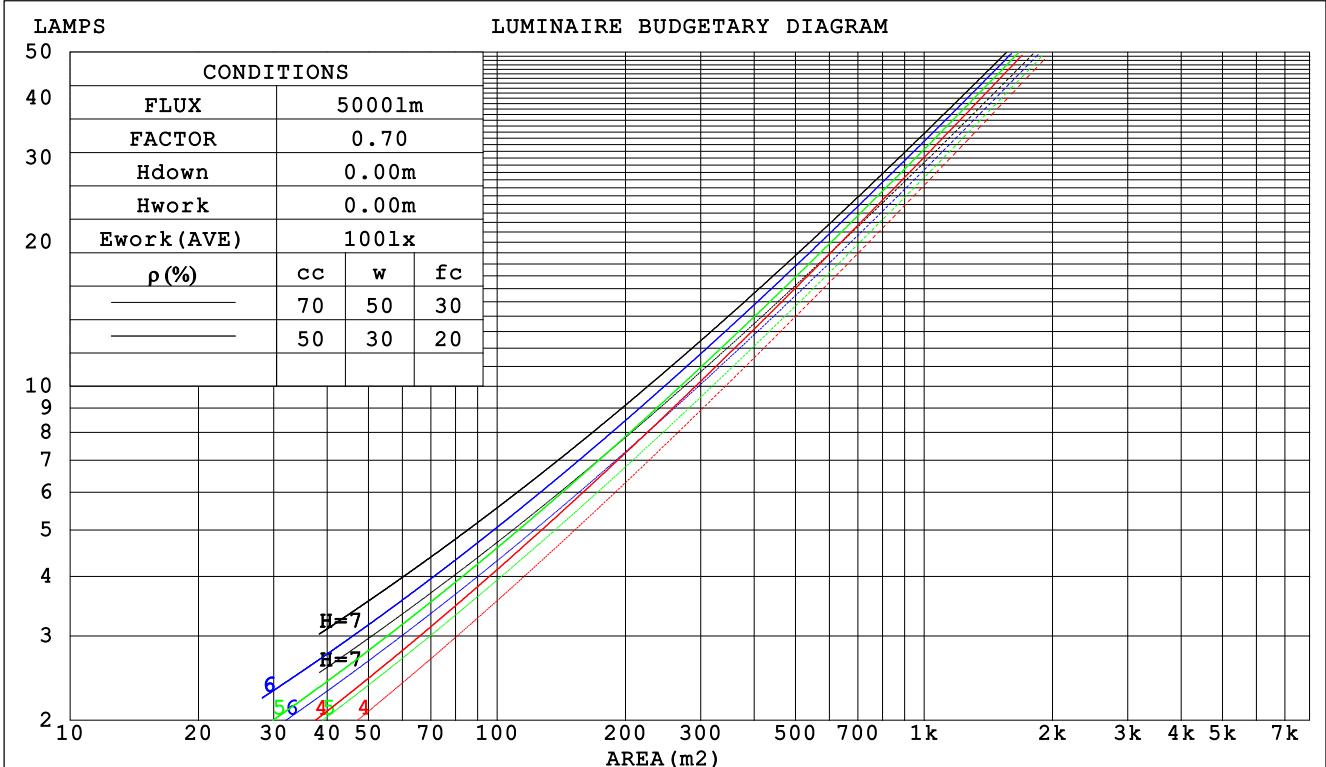
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2025-4-15

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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz		
Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 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	1.05	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	.79	.75	.72	.70
4.0	.80	.73	.68	.79	.72	.67	.77	.71	.66	.74	.69	.65	.72	.68	.65	.63
5.0	.73	.66	.61	.72	.65	.60	.70	.64	.59	.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	.53	.48	.57	.52	.48	.46
8.0	.57	.50	.45	.57	.50	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
9.0	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.40	.49	.44	.40	.39
10.0	.49	.42	.38	.49	.42	.38	.48	.42	.37	.47	.41	.37	.46	.41	.37	.36



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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz		
Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 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	.229	.130	.041	.222	.127	.040	.208	.120	.038	.196	.113	.036	.185	.107	.035		
2.0	.222	.122	.037	.215	.119	.037	.204	.113	.035	.193	.108	.034	.183	.104	.033		
3.0	.211	.112	.034	.205	.110	.033	.195	.106	.032	.186	.102	.031	.177	.098	.030		
4.0	.199	.104	.030	.195	.102	.030	.186	.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	.160	.083	.025	.154	.081	.024		
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.153	.078	.023	.147	.076	.022		
8.0	.159	.078	.022	.156	.077	.022	.151	.075	.022	.145	.074	.021	.140	.072	.021		
9.0	.151	.073	.020	.149	.072	.020	.143	.071	.020	.139	.069	.020	.134	.068	.020		
10.0	.144	.069	.019	.141	.068	.019	.137	.067	.019	.132	.066	.019	.128	.064	.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	.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	.074	.056	.055	.043	.033	.018	.014	.011	
4.0	.153	.109	.075	.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	.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	.005	
10.0	.117	.067	.034	.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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz										
Lamp Flux:37738.1x1 lm										
NAME: ASD-UHB2AHV-ST-240BK					TYPE: UHB2A ST					
SPEC.: 240W 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	25.3	26.6	25.7	27.0	27.3	24.6	25.9	25.0	26.2	26.6
3H	26.1	27.2	26.5	27.6	28.0	25.4	26.5	25.8	26.9	27.3
4H	26.3	27.4	26.8	27.8	28.2	25.6	26.7	26.1	27.1	27.5
6H	26.4	27.4	26.9	27.8	28.2	25.8	26.7	26.2	27.1	27.6
8H	26.5	27.4	26.9	27.8	28.2	25.8	26.7	26.2	27.1	27.6
12H	26.4	27.3	26.9	27.7	28.2	25.8	26.7	26.2	27.1	27.5
4H 2H	25.6	26.6	26.0	27.0	27.4	24.8	25.9	25.3	26.3	26.7
3H	26.5	27.4	26.9	27.8	28.2	25.8	26.7	26.2	27.1	27.5
4H	26.8	27.6	27.3	28.0	28.5	26.1	26.9	26.6	27.3	27.8
6H	27.0	27.6	27.5	28.1	28.6	26.3	27.0	26.8	27.5	28.0
8H	27.0	27.6	27.5	28.1	28.6	26.4	27.0	26.8	27.4	27.9
12H	27.0	27.5	27.5	28.0	28.5	26.4	26.9	26.9	27.4	27.9
8H 4H	26.8	27.5	27.3	27.9	28.4	26.2	26.8	26.7	27.3	27.8
6H	27.1	27.6	27.6	28.1	28.6	26.4	26.9	27.0	27.5	28.0
8H	27.1	27.6	27.7	28.1	28.6	26.5	26.9	27.0	27.5	28.0
12H	27.1	27.5	27.7	28.1	28.7	26.5	26.9	27.0	27.4	28.0
12H 4H	26.8	27.4	27.3	27.9	28.4	26.2	26.7	26.7	27.2	27.7
6H	27.1	27.5	27.6	28.0	28.6	26.4	26.9	27.0	27.4	27.9
8H	27.1	27.5	27.7	28.0	28.6	26.5	26.9	27.0	27.4	28.0
CIE190: 2010										

CIE190: 2010
Area: 0.068315 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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

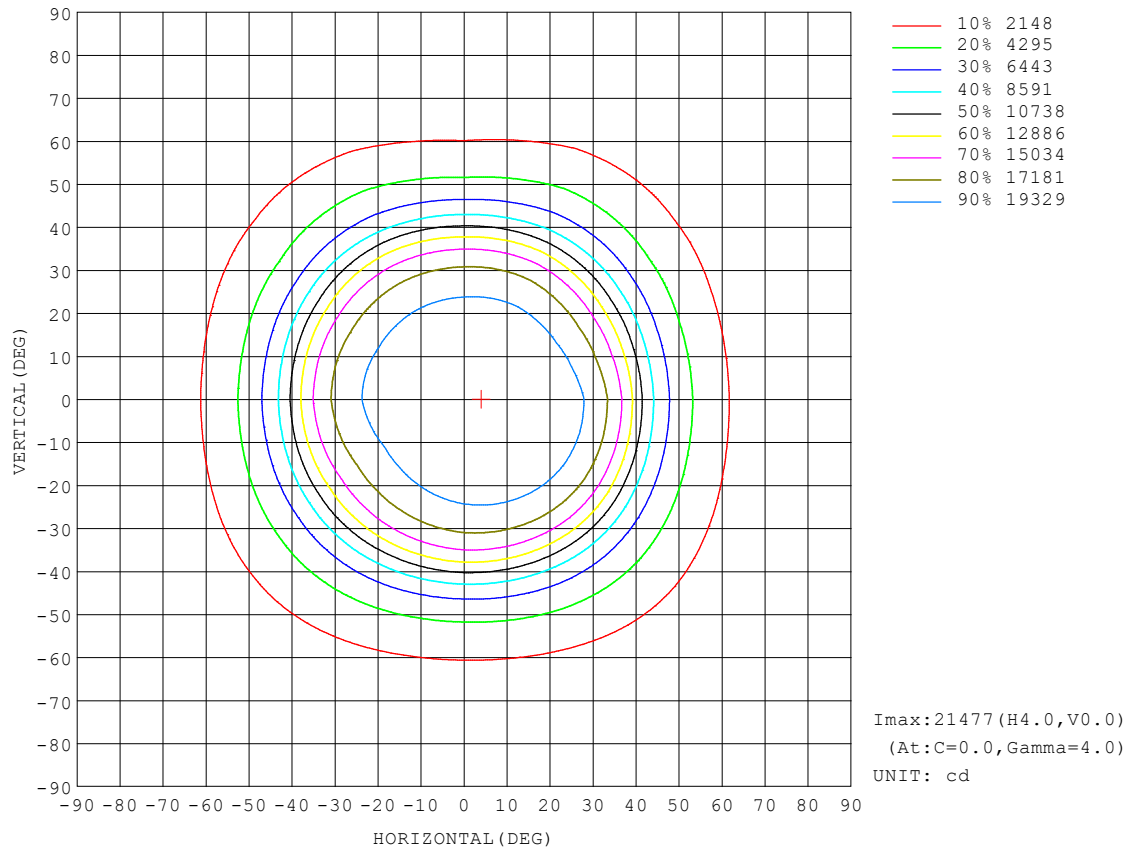
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	57	71	63	57	70	62	57	52
0.80	81	73	67	80	72	67	79	71	66	61
1.00	88	80	75	87	80	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	95	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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

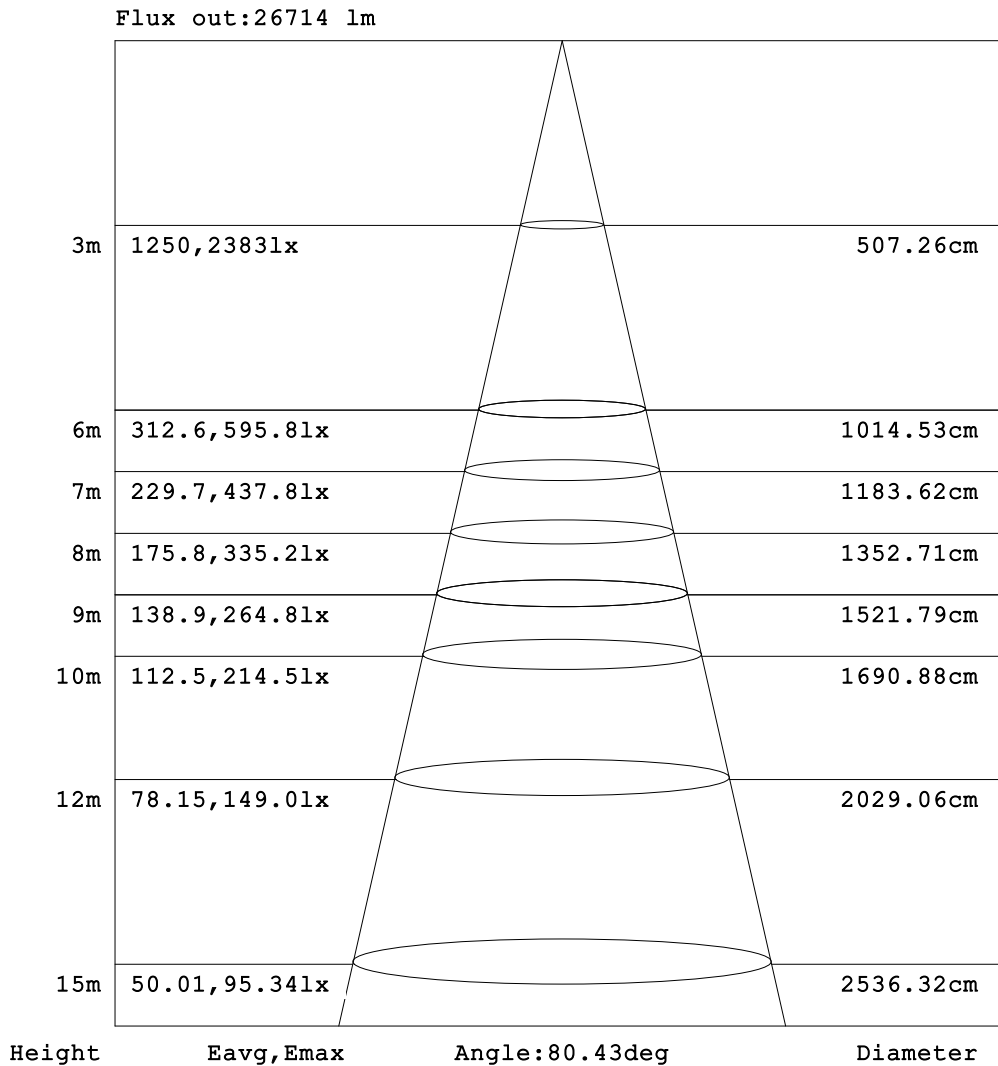


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-4-15

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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		



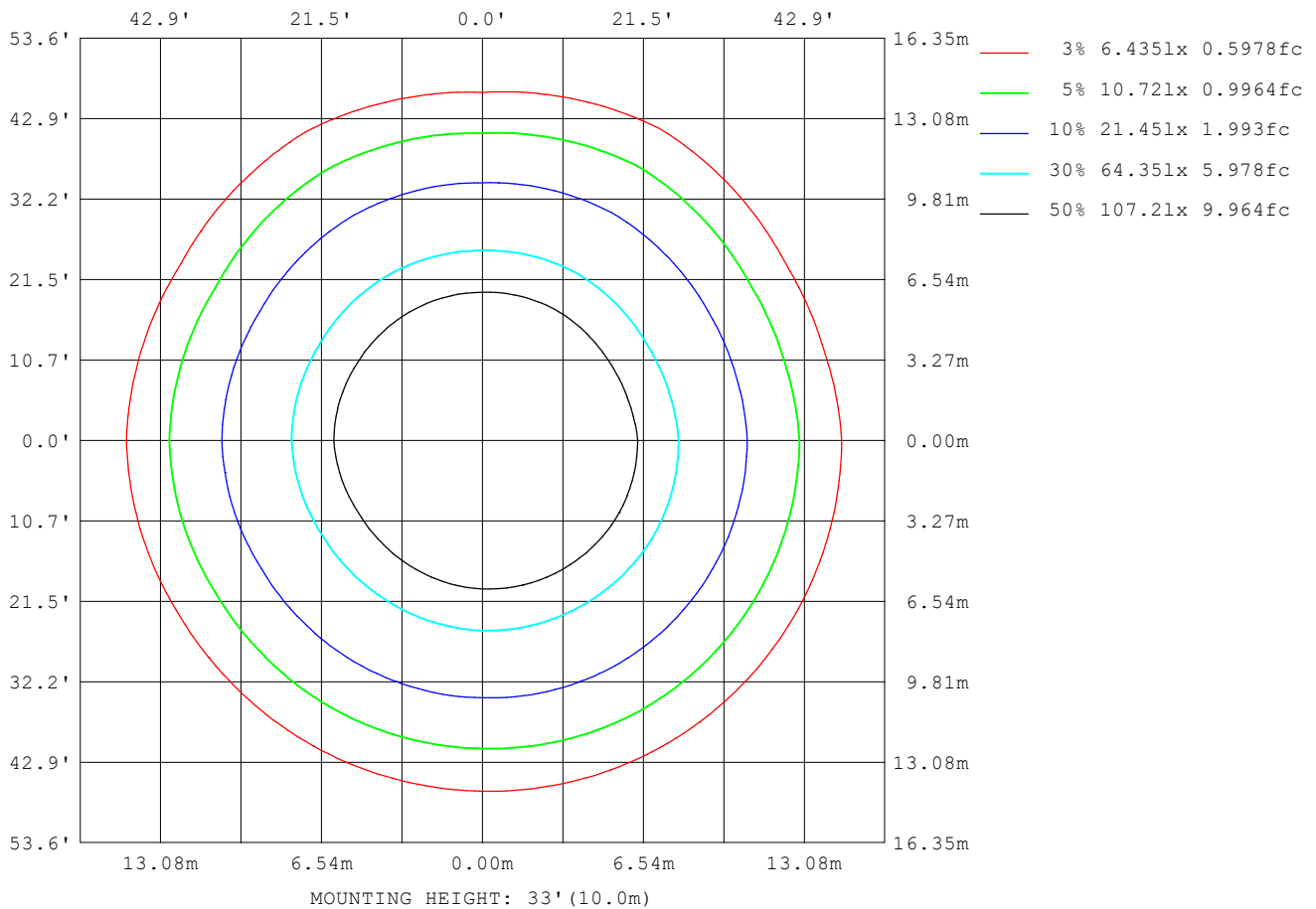
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

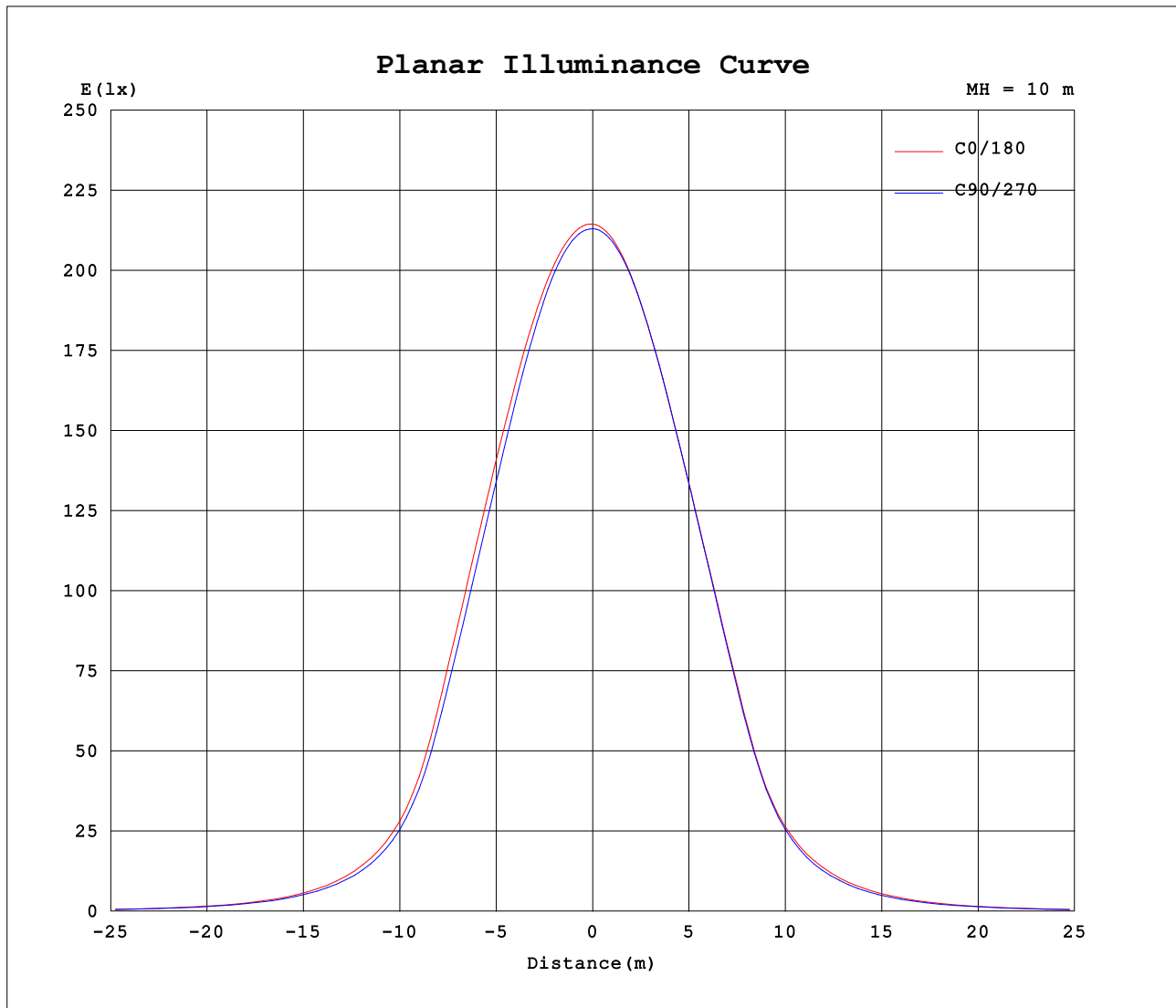
AvgL	cd/m2
L_0~180 (65) av	55029
L_0~180 (75) av	35246
L_0~180 (85) av	16683
L_90~270 (65) av	50580
L_90~270 (75) av	33688
L_90~270 (85) av	16830
L_45 (65) av	52887
L_45 (75) av	34684
L_45 (85) av	16940

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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz		
Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 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	2145	2142	2139	2137	2135	2132	2130	2129	2127	2125	2125	2135	2145	2143	2139	2137	2135	2132	2130
5	2148	2145	2142	2139	2136	2133	2129	2125	2122	2117	2116	2126	2135	2133	2129	2127	2127	2125	2125
10	2143	2141	2138	2134	2129	2123	2117	2109	2102	2094	2091	2101	2112	2109	2104	2104	2105	2106	2107
15	2125	2124	2120	2113	2104	2094	2082	2069	2057	2045	2040	2054	2069	2065	2059	2060	2063	2065	2068
20	2082	2081	2076	2065	2051	2035	2018	1999	1982	1967	1962	1981	2002	1998	1990	1991	1994	1998	2003
25	2003	2002	1995	1979	1960	1939	1916	1890	1868	1850	1847	1875	1905	1901	1890	1891	1895	1899	1905
30	1866	1867	1858	1836	1809	1785	1760	1727	1697	1678	1676	1715	1755	1748	1733	1735	1741	1744	1750
35	1623	1625	1614	1587	1555	1530	1504	1467	1434	1416	1418	1464	1508	1498	1479	1483	1491	1493	1496
40	1209	1214	1205	1176	1142	1121	1100	1065	1036	1028	1038	1078	1114	1101	1082	1093	1107	1102	1099
45	799	798	792	779	761	742	724	710	700	695	698	724	747	735	720	726	734	728	724
50	547	542	536	529	519	504	490	484	482	480	484	504	520	503	485	499	513	497	483
55	373	371	367	362	355	346	338	334	332	332	335	349	359	346	333	345	357	341	327
60	248	248	245	241	235	231	226	224	222	221	222	231	239	231	223	231	239	227	217
65	162	162	161	158	154	151	149	147	146	145	145	151	156	151	146	151	156	149	143
70	104	105	104	102	99.1	97.9	97.0	95.5	94.4	94.1	94.7	97.9	100	97.5	94.8	98.0	101	97.0	93.8
75	63.0	63.5	63.1	61.6	60.0	59.7	59.7	58.8	58.1	58.3	59.1	60.6	61.6	60.5	59.4	61.2	62.9	61.0	59.5
80	31.3	32.1	32.1	31.0	29.9	30.1	30.4	29.8	29.3	29.6	30.4	31.6	32.5	31.9	31.3	32.7	33.9	32.7	31.6
85	9.33	9.63	9.61	9.09	8.61	8.95	9.29	8.83	8.36	8.50	8.96	9.79	10.5	10.5	10.4	11.1	11.7	11.2	10.7
90	0.44	0.43	0.43	0.44	0.44	0.43	0.43	0.44	0.45	0.38	0.44	0.97	1.49	1.56	1.49	1.47	1.46	1.44	1.43
95	0.66	0.65	0.64	0.65	0.66	0.65	0.64	0.66	0.68	0.60	0.66	1.23	1.80	1.87	1.78	1.77	1.75	1.73	1.72
100	0.98	0.97	0.96	0.97	0.98	0.96	0.95	0.98	1.01	0.92	0.98	1.59	2.20	2.28	2.19	2.17	2.14	2.12	2.10
105	1.45	1.43	1.42	1.43	1.44	1.42	1.41	1.45	1.49	1.40	1.46	2.11	2.76	2.83	2.74	2.71	2.67	2.64	2.61
110	2.13	2.11	2.10	2.11	2.12	2.10	2.09	2.13	2.18	2.08	2.15	2.84	3.54	3.62	3.52	3.47	3.41	3.37	3.34
115	3.09	3.06	3.05	3.06	3.07	3.06	3.05	3.09	3.14	3.04	3.12	3.86	4.61	4.70	4.58	4.51	4.43	4.38	4.33
120	4.31	4.28	4.27	4.28	4.29	4.28	4.28	4.33	4.38	4.28	4.37	5.17	5.98	6.07	5.94	5.84	5.72	5.66	5.60
125	5.81	5.78	5.76	5.77	5.79	5.78	5.79	5.85	5.90	5.79	5.88	6.75	7.61	7.70	7.55	7.42	7.29	7.21	7.13
130	7.43	7.40	7.39	7.39	7.41	7.41	7.42	7.48	7.53	7.42	7.53	8.45	9.36	9.45	9.27	9.14	8.99	8.90	8.81
135	9.07	9.03	9.00	9.02	9.04	9.04	9.05	9.11	9.18	9.07	9.18	10.1	11.1	11.1	10.9	10.8	10.6	10.5	10.4
140	10.7	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.8	10.7	10.8	11.7	12.6	12.7	12.5	12.4	12.2	12.1	12.0
145	12.2	12.1	12.1	12.1	12.1	12.1	12.2	12.2	12.3	12.2	12.3	13.2	14.1	14.1	13.9	13.8	13.6	13.5	13.4
150	13.6	13.5	13.5	13.5	13.5	13.5	13.6	13.6	13.7	13.6	13.8	14.6	15.4	15.4	15.2	15.1	14.9	14.8	14.7
155	14.8	14.7	14.7	14.7	14.7	14.7	14.8	14.8	14.9	14.9	15.0	15.7	16.5	16.5	16.2	16.1	16.0	15.9	15.8
160	16.1	16.0	16.0	16.0	16.0	16.1	16.1	16.2	16.2	16.2	16.2	16.9	17.5	17.5	17.2	17.1	17.0	16.9	16.8
165	17.5	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	18.2	18.8	18.7	18.4	18.3	18.2	18.1	18.0
170	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.9	18.9	18.9	19.4	19.9	19.8	19.6	19.5	19.4	19.2	19.1
175	20.2	20.3	20.3	20.2	20.1	20.1	20.1	20.1	20.0	20.0	20.0	20.4	20.7	20.7	20.5	20.4	20.3	20.2	20.1
180	21.0	21.1	21.1	20.9	20.8	20.8	20.7	20.6	20.6	20.5	20.5	20.8	21.2	21.1	21.0	20.9	20.9	20.8	20.7

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:278.66V I:0.8666A P:241.02W PF:0.9981 Freq:49.97Hz Lamp Flux:37738.1x1 lm		
NAME: ASD-UHB2AHV-ST-240BK	TYPE: UHB2A ST	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

Table--2

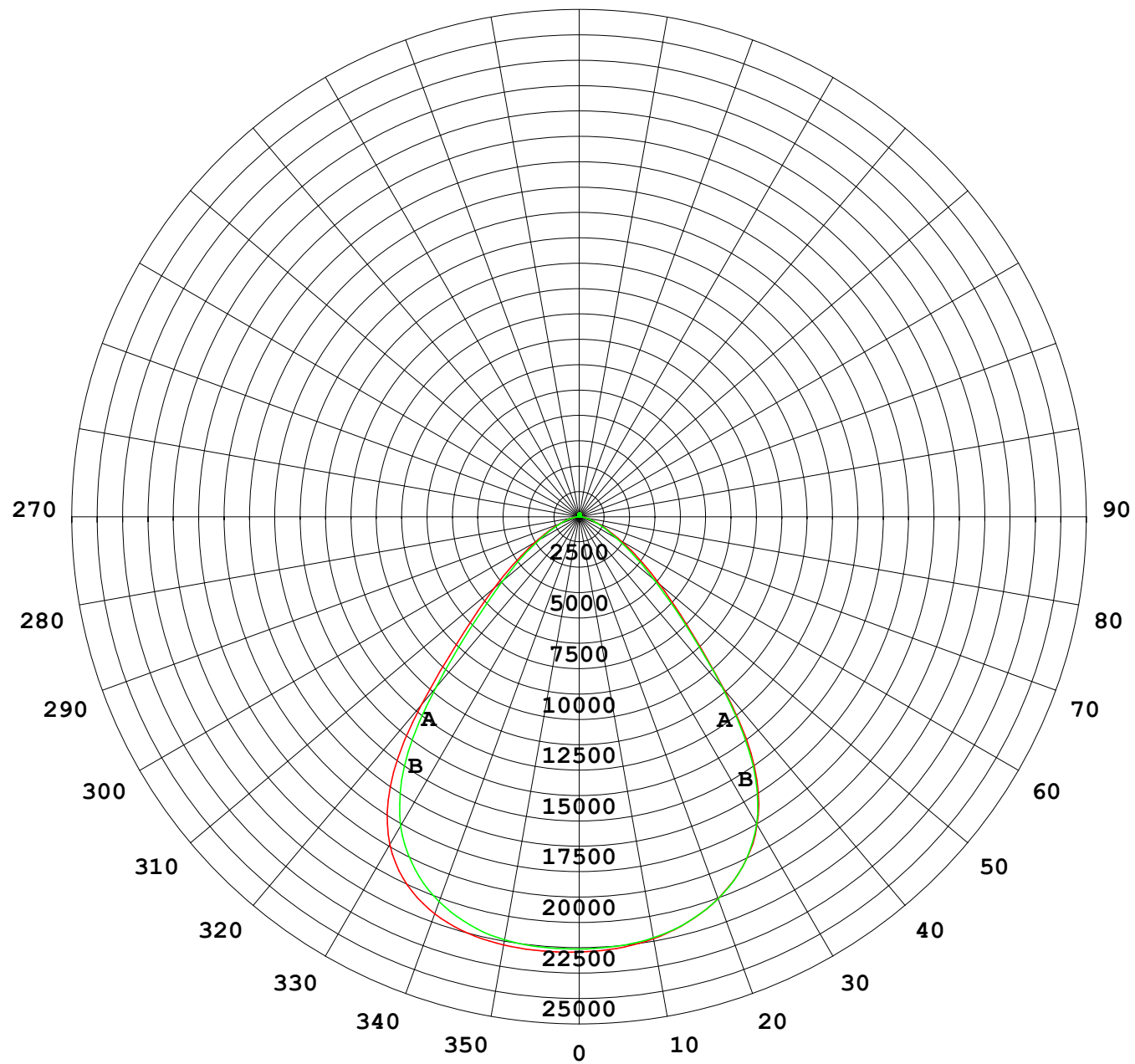
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2129	2127	2125	2125	2132														
5	2125	2126	2125	2126	2134														
10	2110	2114	2115	2118	2128														
15	2075	2081	2084	2090	2104														
20	2012	2020	2024	2031	2052														
25	1916	1926	1926	1933	1960														
30	1763	1775	1768	1771	1806														
35	1512	1526	1514	1512	1552														
40	1116	1131	1116	1110	1144														
45	742	759	752	746	764														
50	506	530	516	502	515														
55	348	370	355	338	348														
60	233	250	238	226	231														
65	153	164	157	149	152														
70	100	106	103	98.1	99.4														
75	62.9	66.1	64.2	61.5	61.5														
80	33.4	35.1	34.1	32.4	31.6														
85	11.5	12.1	11.6	10.8	10.1														
90	1.42	1.41	1.46	1.40	1.04														
95	1.70	1.69	1.75	1.68	1.30														
100	2.08	2.07	2.13	2.06	1.65														
105	2.59	2.57	2.64	2.57	2.15														
110	3.30	3.27	3.34	3.27	2.85														
115	4.27	4.22	4.28	4.22	3.80														
120	5.51	5.44	5.49	5.43	5.01														
125	7.02	6.92	6.96	6.90	6.49														
130	8.67	8.55	8.57	8.50	8.09														
135	10.3	10.2	10.2	10.1	9.69														
140	11.8	11.7	11.7	11.6	11.2														
145	13.3	13.1	13.1	13.0	12.7														
150	14.6	14.5	14.4	14.3	14.0														
155	15.7	15.6	15.5	15.4	15.2														
160	16.7	16.6	16.6	16.5	16.3														
165	17.9	17.8	17.7	17.7	17.6														
170	19.0	19.0	18.9	18.8	18.9														
175	20.0	19.9	19.9	19.8	20.0														
180	20.6	20.6	20.5	20.4	20.6														

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

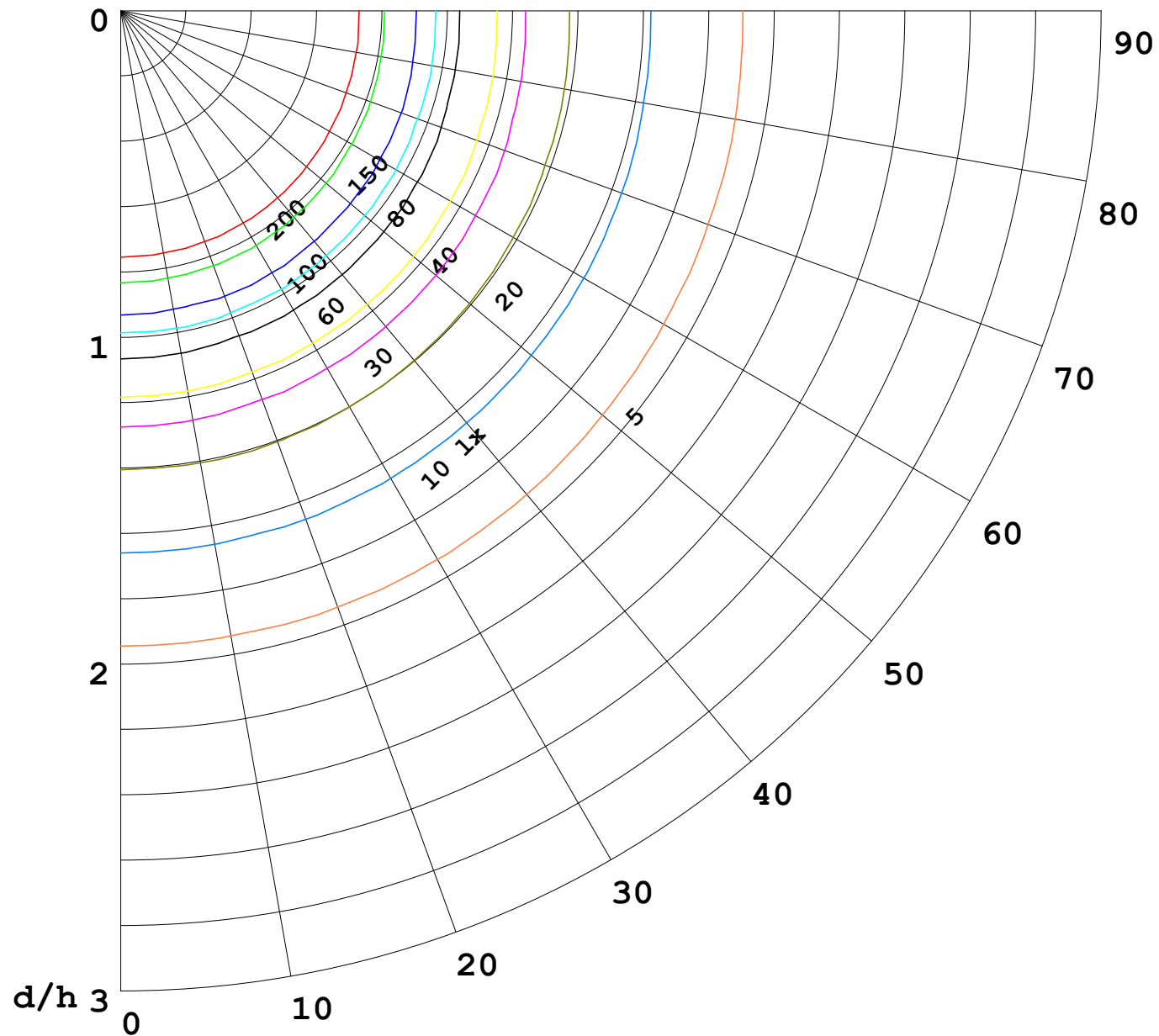
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

