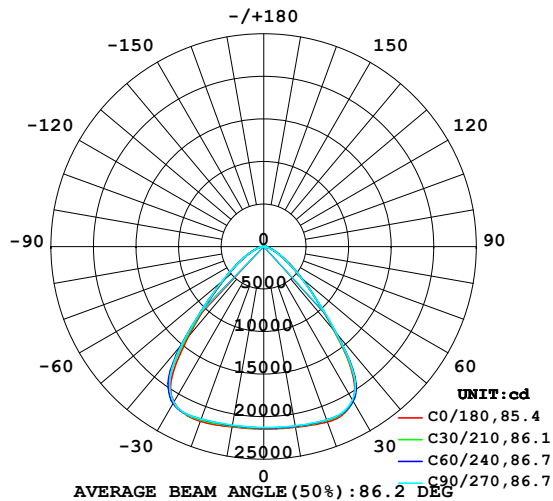


LUMINAIRE PHOTOMETRIC TEST REPORT

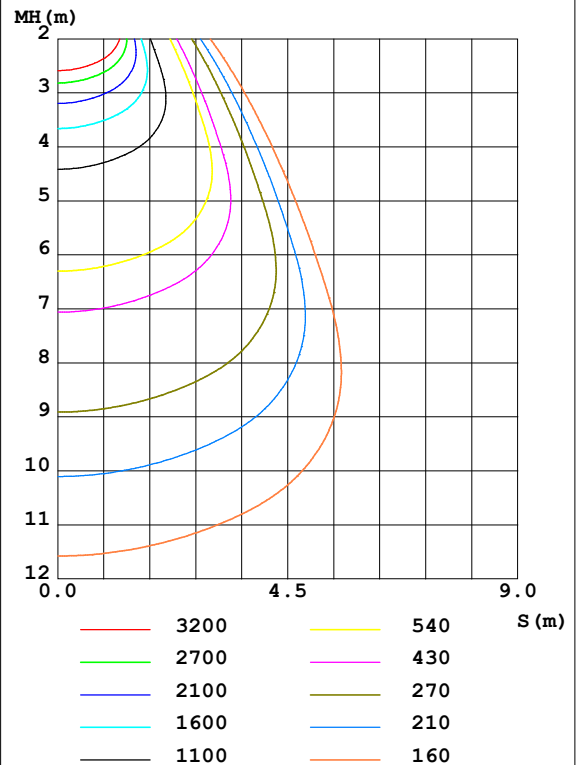
Test:U:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 182.22 lm/W			
MODEL	ASD-UHB2A-HV-NEOX-240BK	I _{max} (cd)	21959	S/MH (C0/180)	1.24
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	43582	η UP, DN (C0-180)	0.5, 48.8
NOMINAL FLUX (lm)	43581.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 50.1
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

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: 2025-2-15

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:

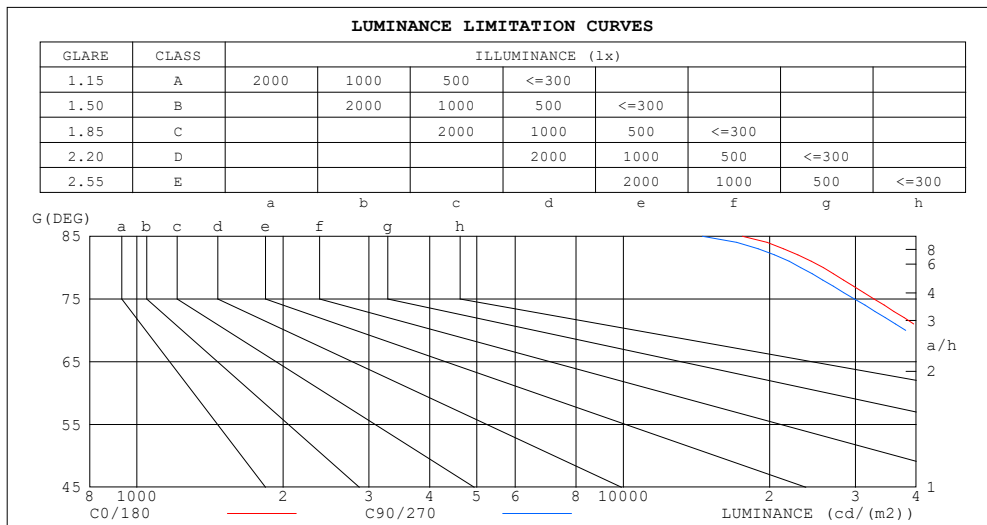
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2155	2145	2138	2134	2153	2138	2130	2131	0- 10	2037	2037	4.67,4.67
20	2192	2169	2168	2163	2184	2162	2157	2169	10- 20	6105	8142	18.7,18.7
30	2093	2108	2083	2088	2112	2124	2118	2085	20- 30	9969	18111	41.6,41.6
40	1286	1333	1326	1331	1375	1467	1494	1356	30- 40	11360	29471	67.6,67.6
50	591.5	590.4	576.7	608.3	621.2	630.2	641.0	619.6	40- 50	7184	36655	84.1,84.1
60	274.4	264.0	257.9	274.8	279.0	279.2	284.3	285.3	50- 60	3742	40397	92.7,92.7
70	114.2	107.4	104.7	111.3	116.5	115.0	116.7	117.3	60- 70	1817	42213	96.9,96.9
80	35.99	33.93	32.35	35.11	38.44	36.75	37.79	37.60	70- 80	734.0	42947	98.5,98.5
90	0.5926	0.5882	0.5885	0.5820	1.730	1.712	1.691	1.722	80- 90	155.0	43102	98.9,98.9
100	1.228	1.225	1.233	1.216	2.490	2.449	2.412	2.471	90-100	15.85	43118	98.9,98.9
110	2.598	2.628	2.659	2.552	3.924	3.899	3.835	3.946	100-110	26.00	43144	99,99
120	5.190	5.312	5.352	5.101	6.569	6.595	6.504	6.635	110-120	44.24	43188	99.1,99.1
130	8.648	8.801	8.833	8.523	10.14	10.18	10.07	10.18	120-130	68.16	43257	99.3,99.3
140	12.02	12.13	12.15	11.88	13.45	13.47	13.36	13.40	130-140	85.82	43342	99.5,99.5
150	14.77	14.87	14.91	14.69	15.96	15.92	15.80	15.79	140-150	88.04	43430	99.7,99.7
160	17.75	17.87	17.85	17.56	18.36	18.32	18.16	18.15	150-160	76.43	43507	99.8,99.8
170	20.87	20.86	20.75	20.58	21.10	20.97	20.80	20.70	160-170	54.74	43562	100,100
180	22.18	22.00	21.82	21.72	22.21	21.98	21.83	21.72	170-180	20.35	43582	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:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	17584	14550
80	25781	23174
75	32790	29879
70	41535	38090
65	53256	49244
60	68270	64172
55	88026	84007
50	114475	111620
45	152305	153377

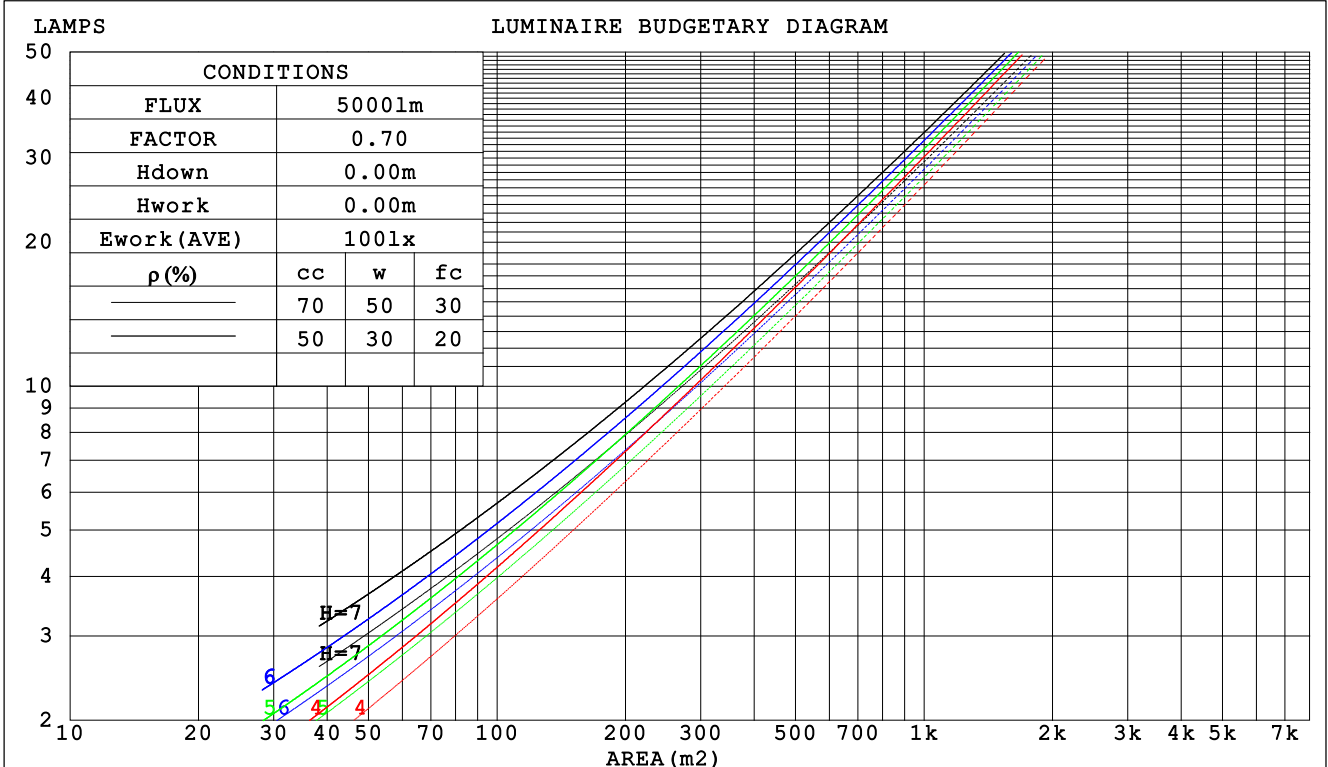
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz		
Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOF	
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						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	.00	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	.81	.76	.73	.78	.74	.71	.69
4.0	.80	.73	.67	.78	.72	.67	.76	.70	.66	.74	.69	.65	.71	.67	.64	.62
5.0	.73	.65	.60	.72	.64	.59	.69	.63	.59	.67	.62	.58	.66	.61	.57	.55
6.0	.66	.59	.53	.65	.58	.53	.64	.57	.53	.62	.56	.52	.60	.55	.52	.50
7.0	.61	.53	.48	.60	.53	.48	.59	.52	.47	.57	.51	.47	.56	.51	.47	.45
8.0	.56	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.46	.43	.41
9.0	.52	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.36	.34



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz		
Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
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	.232	.132	.042	.225	.128	.041	.211	.121	.039	.199	.115	.037	.187	.109	.035		
2.0	.225	.123	.038	.219	.120	.037	.207	.115	.036	.196	.110	.034	.186	.105	.033		
3.0	.214	.114	.034	.208	.112	.034	.198	.107	.033	.189	.103	.032	.180	.100	.031		
4.0	.202	.105	.031	.198	.103	.031	.189	.100	.030	.180	.097	.029	.172	.094	.029		
5.0	.191	.097	.028	.187	.096	.028	.179	.093	.027	.172	.091	.027	.165	.088	.026		
6.0	.181	.091	.026	.177	.089	.026	.170	.087	.025	.163	.085	.025	.157	.083	.025		
7.0	.171	.085	.024	.168	.084	.024	.161	.082	.023	.155	.080	.023	.150	.078	.023		
8.0	.162	.079	.022	.159	.078	.022	.153	.077	.022	.148	.075	.022	.143	.073	.021		
9.0	.154	.074	.021	.151	.074	.021	.146	.072	.020	.141	.071	.020	.136	.069	.020		
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.130	.066	.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	.128	.107	.098	.089	.062	.056	.052	.020	.018	.017	
2.0	.172	.141	.115	.147	.121	.099	.101	.084	.069	.058	.049	.041	.019	.016	.013	
3.0	.162	.122	.091	.139	.106	.079	.095	.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	.146	.098	.062	.126	.084	.054	.087	.059	.038	.050	.035	.022	.016	.011	.007	
6.0	.140	.089	.053	.120	.077	.046	.083	.054	.032	.048	.032	.019	.016	.010	.006	
7.0	.134	.082	.046	.115	.071	.040	.079	.050	.028	.046	.029	.017	.015	.010	.006	
8.0	.128	.076	.040	.110	.066	.035	.076	.046	.025	.044	.027	.015	.014	.009	.005	
9.0	.123	.071	.036	.106	.062	.032	.073	.043	.022	.043	.026	.013	.014	.008	.004	
10.0	.118	.067	.033	.101	.058	.029	.070	.041	.020	.041	.024	.012	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz										
Lamp Flux:43581.9x1 lm										
NAME: ASD-UHB2A-HV-NEOX-240BK					TYPE: NEOX					
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	24.8	26.1	25.2	26.5	26.8	24.7	26.0	25.1	26.3	26.7
3H	25.6	26.8	26.0	27.1	27.5	25.4	26.5	25.8	26.9	27.3
4H	25.8	26.9	26.3	27.3	27.7	25.6	26.7	26.0	27.0	27.4
6H	26.0	26.9	26.4	27.3	27.8	25.7	26.7	26.1	27.1	27.5
8H	26.0	26.9	26.4	27.3	27.8	25.7	26.6	26.1	27.0	27.5
12H	26.0	26.9	26.4	27.3	27.7	25.7	26.6	26.1	27.0	27.4
4H 2H	25.0	26.1	25.5	26.5	26.9	25.0	26.0	25.4	26.4	26.8
3H	26.0	26.8	26.4	27.3	27.7	25.8	26.7	26.3	27.1	27.5
4H	26.3	27.0	26.7	27.5	28.0	26.1	26.9	26.5	27.3	27.8
6H	26.5	27.1	27.0	27.6	28.1	26.3	26.9	26.7	27.4	27.9
8H	26.5	27.1	27.0	27.6	28.1	26.3	26.9	26.8	27.4	27.9
12H	26.5	27.1	27.0	27.6	28.1	26.3	26.8	26.8	27.3	27.8
8H 4H	26.3	26.9	26.8	27.4	27.9	26.1	26.8	26.6	27.2	27.7
6H	26.5	27.1	27.1	27.6	28.1	26.4	26.9	26.9	27.4	27.9
8H	26.6	27.1	27.2	27.6	28.1	26.4	26.9	26.9	27.4	27.9
12H	26.7	27.1	27.2	27.6	28.2	26.4	26.8	27.0	27.4	28.0
12H 4H	26.3	26.8	26.8	27.3	27.8	26.1	26.7	26.6	27.2	27.7
6H	26.5	27.0	27.1	27.5	28.0	26.3	26.8	26.9	27.3	27.9
8H	26.6	27.0	27.2	27.5	28.1	26.4	26.8	27.0	27.3	27.9
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:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz		
Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

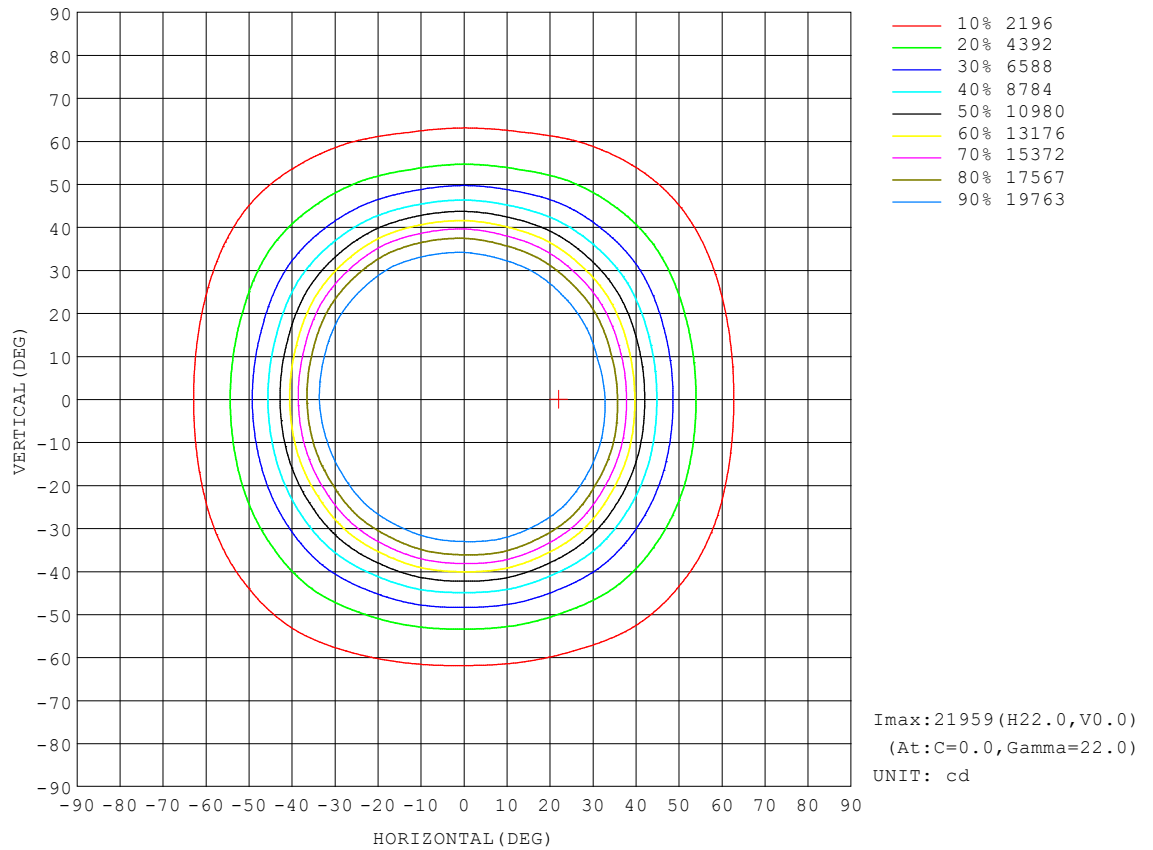
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	56	70	62	56	69	61	56	51
0.80	81	72	66	80	71	66	78	71	66	60
1.00	88	80	74	87	79	74	85	79	73	68
1.25	94	86	81	92	85	80	90	84	80	74
1.50	98	91	86	96	90	85	93	88	84	78
2.00	102	96	92	101	95	91	98	93	89	83
2.50	105	100	95	103	98	94	100	96	92	85
3.00	107	103	99	105	101	98	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	90
5.00	112	108	106	110	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:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

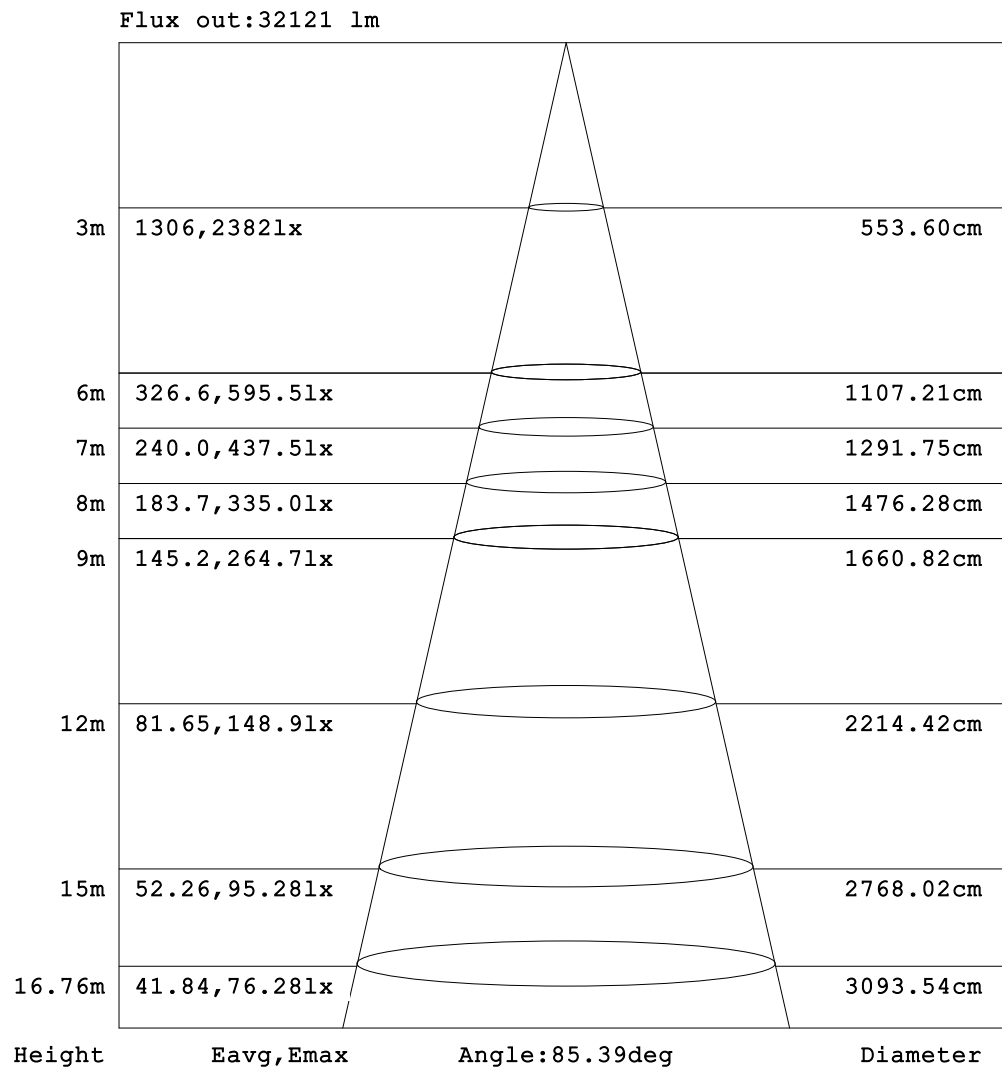


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		



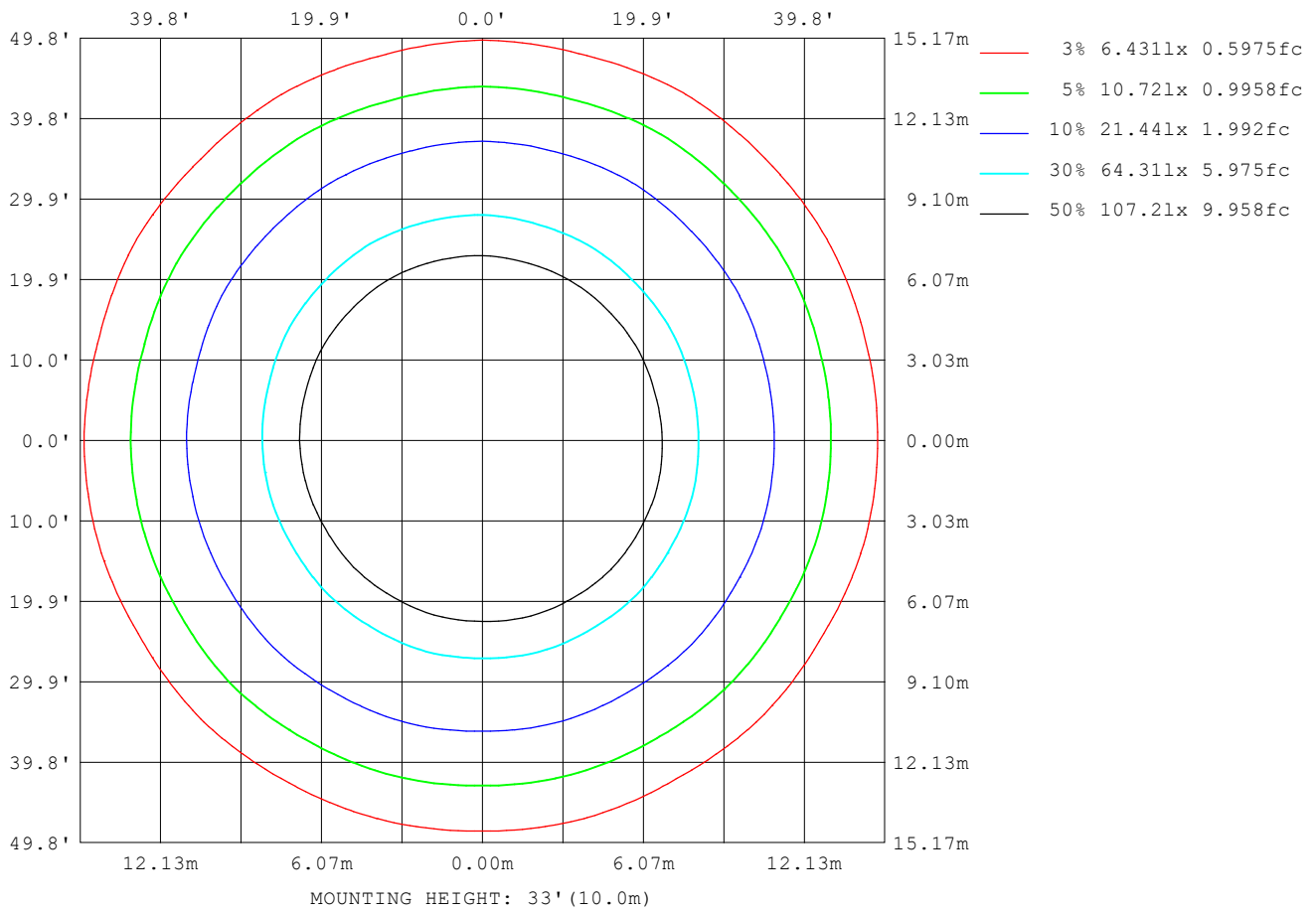
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
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:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

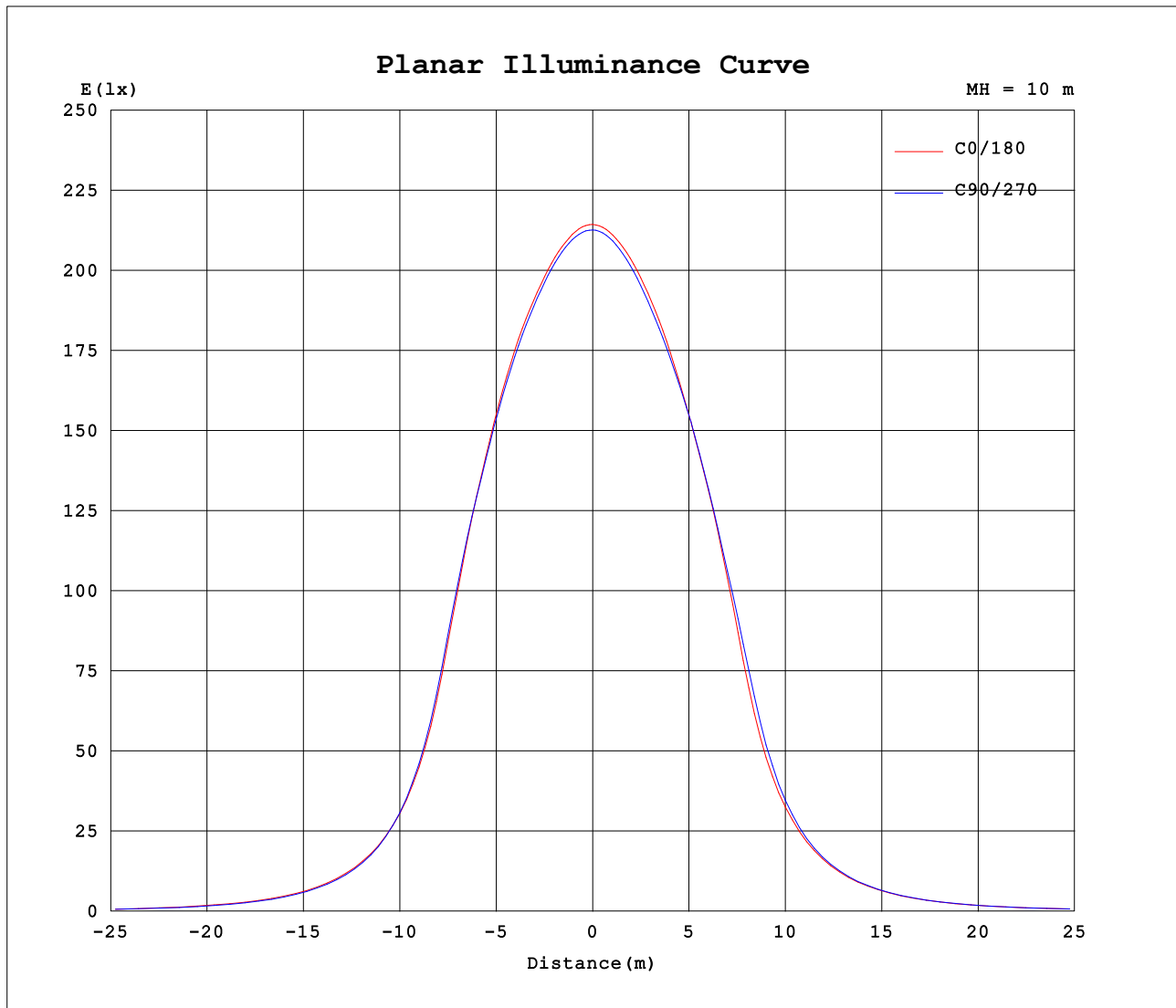
AvgL	cd/m2
L_0~180 (65) av	53585
L_0~180 (75) av	33386
L_0~180 (85) av	18969
L_90~270 (65) av	51963
L_90~270 (75) av	31761
L_90~270 (85) av	17504
L_45 (65) av	53097
L_45 (75) av	32282
L_45 (85) av	18214

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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: 2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm																			
NAME: ASD-UHB2A-HV-NEOX-240BK										TYPE: NEOX									
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	2144	2140	2137	2134	2131	2129	2126	2124	2123	2123	2122	2121	2144	2140	2137	2134	2131	2129	2126
5	2146	2143	2141	2137	2135	2132	2129	2127	2126	2125	2123	2122	2144	2141	2137	2134	2131	2128	2126
10	2155	2152	2149	2145	2143	2140	2138	2136	2135	2134	2132	2130	2153	2148	2143	2138	2134	2132	2130
15	2172	2166	2161	2157	2155	2153	2151	2150	2149	2148	2148	2145	2169	2161	2154	2149	2144	2142	2141
20	2192	2183	2174	2169	2168	2168	2168	2166	2164	2163	2161	2159	2184	2177	2170	2162	2157	2156	2157
25	2185	2179	2173	2170	2167	2166	2163	2160	2153	2151	2149	2150	2176	2173	2174	2171	2168	2166	2167
30	2093	2103	2100	2108	2100	2096	2083	2088	2080	2088	2083	2091	2112	2112	2121	2124	2131	2123	2118
35	1821	1851	1846	1878	1869	1883	1856	1861	1838	1850	1833	1866	1891	1904	1936	1942	1961	1942	1931
40	1286	1308	1296	1333	1323	1351	1326	1340	1315	1331	1317	1360	1375	1390	1450	1467	1518	1494	1494
45	866	876	869	882	868	887	872	889	879	898	893	910	921	924	959	963	986	976	982
50	591	596	586	590	576	584	577	589	590	608	602	612	621	615	638	630	640	631	641
55	406	405	394	397	385	392	387	395	398	410	404	413	418	412	426	419	427	417	427
60	274	272	263	264	256	259	258	263	268	275	270	278	279	277	283	279	286	278	284
65	181	180	172	173	166	168	167	171	174	179	176	181	183	183	184	183	186	182	186
70	114	114	108	107	103	106	105	107	108	111	111	114	116	115	117	115	118	115	117
75	68.2	67.8	64.0	63.6	60.7	62.8	62.2	63.8	63.9	66.5	66.0	68.4	70.7	69.3	71.2	68.7	70.6	69.2	70.0
80	36.0	36.5	33.9	33.9	31.7	33.2	32.3	33.8	33.2	35.1	34.3	36.5	38.4	37.0	38.8	36.7	38.2	36.5	37.8
85	12.3	12.5	11.2	11.4	10.1	10.9	10.2	11.0	10.6	11.6	11.2	12.5	14.3	13.7	14.8	14.1	14.7	13.8	14.3
90	0.59	0.58	0.60	0.59	0.59	0.58	0.59	0.58	0.59	0.58	0.59	0.58	1.73	1.73	1.71	1.71	1.69	1.70	1.69
95	0.85	0.83	0.86	0.84	0.85	0.83	0.85	0.83	0.85	0.83	0.85	0.82	2.05	2.05	2.02	2.02	2.00	2.01	1.99
100	1.23	1.22	1.24	1.23	1.24	1.22	1.23	1.22	1.24	1.22	1.23	1.20	2.49	2.49	2.45	2.45	2.42	2.43	2.41
105	1.79	1.78	1.82	1.80	1.82	1.79	1.81	1.78	1.80	1.76	1.78	1.73	3.09	3.09	3.04	3.05	3.01	3.03	3.00
110	2.60	2.58	2.65	2.63	2.68	2.63	2.66	2.60	2.62	2.55	2.56	2.49	3.92	3.94	3.87	3.90	3.84	3.88	3.84
115	3.73	3.73	3.84	3.81	3.89	3.82	3.85	3.76	3.77	3.67	3.67	3.57	5.08	5.11	5.04	5.08	5.01	5.07	5.01
120	5.19	5.19	5.33	5.31	5.40	5.32	5.35	5.23	5.23	5.10	5.10	4.99	6.57	6.61	6.53	6.60	6.52	6.58	6.50
125	6.87	6.88	7.03	7.02	7.11	7.03	7.05	6.92	6.90	6.76	6.75	6.63	8.30	8.35	8.27	8.34	8.27	8.33	8.25
130	8.65	8.66	8.81	8.80	8.90	8.81	8.83	8.69	8.68	8.52	8.52	8.39	10.1	10.2	10.1	10.2	10.1	10.2	10.1
135	10.4	10.4	10.5	10.5	10.6	10.5	10.6	10.4	10.4	10.3	10.3	10.1	11.9	11.9	11.9	11.9	11.9	11.9	11.8
140	12.0	12.0	12.1	12.1	12.2	12.1	12.1	12.0	12.0	11.9	11.9	11.8	13.5	13.5	13.4	13.5	13.4	13.4	13.4
145	13.4	13.4	13.5	13.6	13.6	13.6	13.6	13.5	13.4	13.3	13.3	13.3	14.8	14.8	14.8	14.8	14.7	14.7	14.7
150	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.8	14.8	14.7	14.7	14.6	16.0	15.9	15.9	15.9	15.9	15.9	15.8
155	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.2	16.2	16.0	16.1	16.0	17.1	17.1	17.0	17.0	17.0	17.0	16.9
160	17.7	17.8	17.9	17.9	17.9	17.9	17.8	17.7	17.7	17.6	17.6	17.5	18.4	18.4	18.3	18.3	18.2	18.2	18.2
165	19.5	19.5	19.5	19.5	19.5	19.5	19.4	19.3	19.3	19.2	19.2	19.1	19.8	19.8	19.8	19.8	19.7	19.7	19.6
170	20.9	20.9	20.9	20.9	20.9	20.8	20.7	20.7	20.6	20.6	20.6	20.5	21.1	21.1	20.9	21.0	20.9	20.9	20.8
175	21.8	21.8	21.7	21.7	21.6	21.6	21.5	21.5	21.5	21.4	21.4	21.3	21.9	21.8	21.7	21.7	21.6	21.5	21.5
180	22.2	22.2	22.0	22.0	21.9	21.9	21.8	21.8	21.8	21.7	21.7	21.7	22.2	22.1	22.0	22.0	22.0	21.9	21.8

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:278.63V I:0.8596A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43581.9x1 lm		
NAME: ASD-UHB2A-HV-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

Table--2

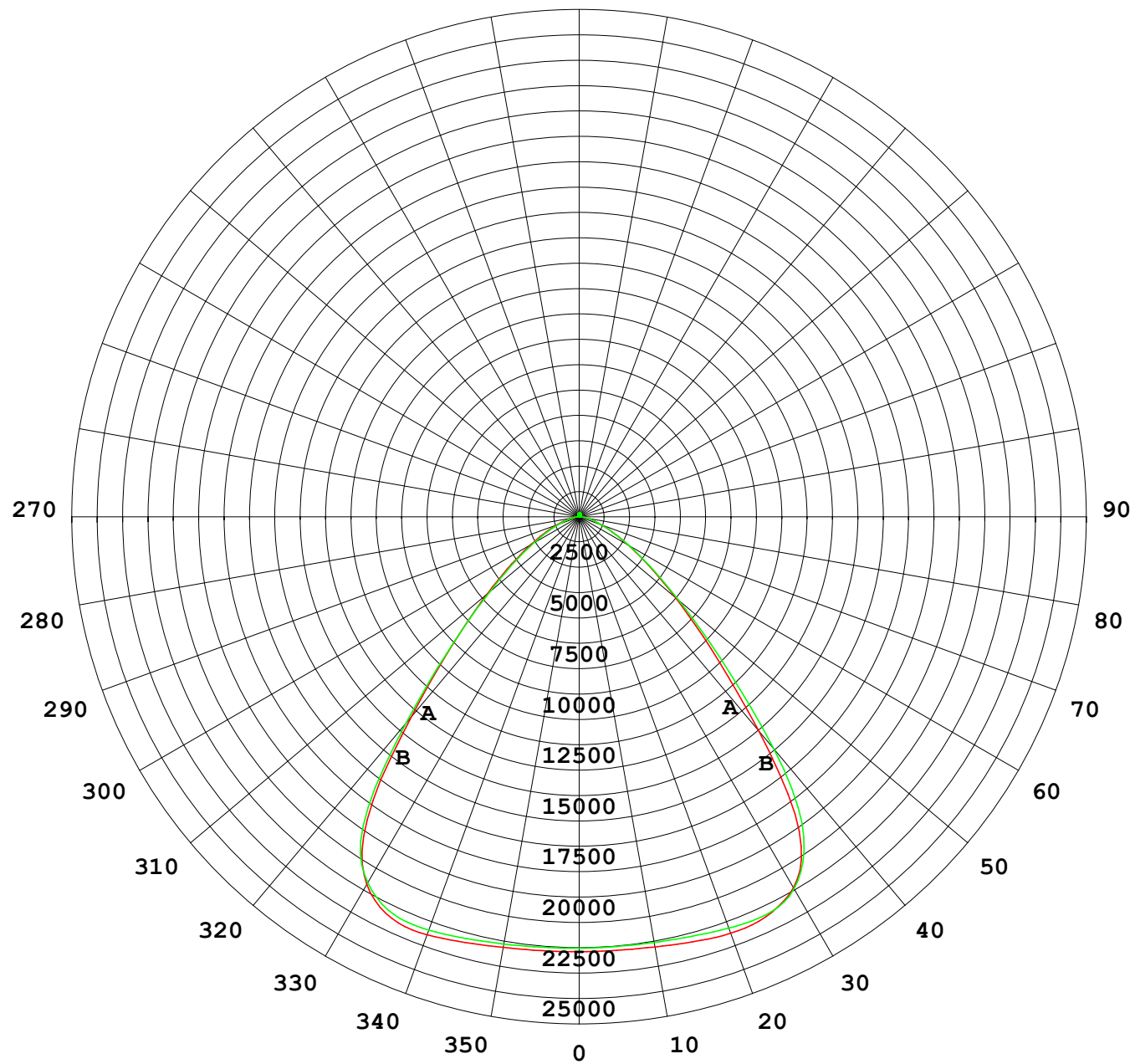
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2124	2123	2123	2122	2121														
5	2124	2124	2124	2124	2124														
10	2130	2129	2131	2131	2132														
15	2142	2143	2146	2147	2148														
20	2161	2164	2169	2170	2169														
25	2168	2170	2169	2168	2163														
30	2108	2101	2085	2081	2068														
35	1897	1883	1845	1838	1807														
40	1433	1415	1356	1339	1293														
45	951	948	913	906	874														
50	630	640	620	618	595														
55	420	432	422	419	407														
60	281	290	285	281	276														
65	183	190	187	185	181														
70	114	119	117	117	114														
75	67.9	71.2	69.8	70.6	68.9														
80	36.1	38.7	37.6	38.5	36.8														
85	13.6	14.7	14.0	14.5	13.6														
90	1.71	1.70	1.72	1.72	1.74														
95	2.01	2.01	2.03	2.03	2.06														
100	2.44	2.44	2.47	2.47	2.50														
105	3.04	3.03	3.08	3.08	3.12														
110	3.89	3.88	3.95	3.93	4.00														
115	5.08	5.04	5.13	5.10	5.20														
120	6.58	6.54	6.64	6.60	6.72														
125	8.32	8.27	8.37	8.33	8.46														
130	10.1	10.1	10.2	10.1	10.3														
135	11.9	11.8	11.9	11.9	12.0														
140	13.4	13.3	13.4	13.4	13.5														
145	14.7	14.6	14.7	14.7	14.8														
150	15.8	15.7	15.8	15.8	15.9														
155	16.9	16.8	16.9	16.9	17.0														
160	18.2	18.1	18.1	18.1	18.2														
165	19.5	19.5	19.5	19.5	19.6														
170	20.8	20.7	20.7	20.7	20.7														
175	21.5	21.5	21.4	21.4	21.4														
180	21.8	21.8	21.7	21.7	21.6														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

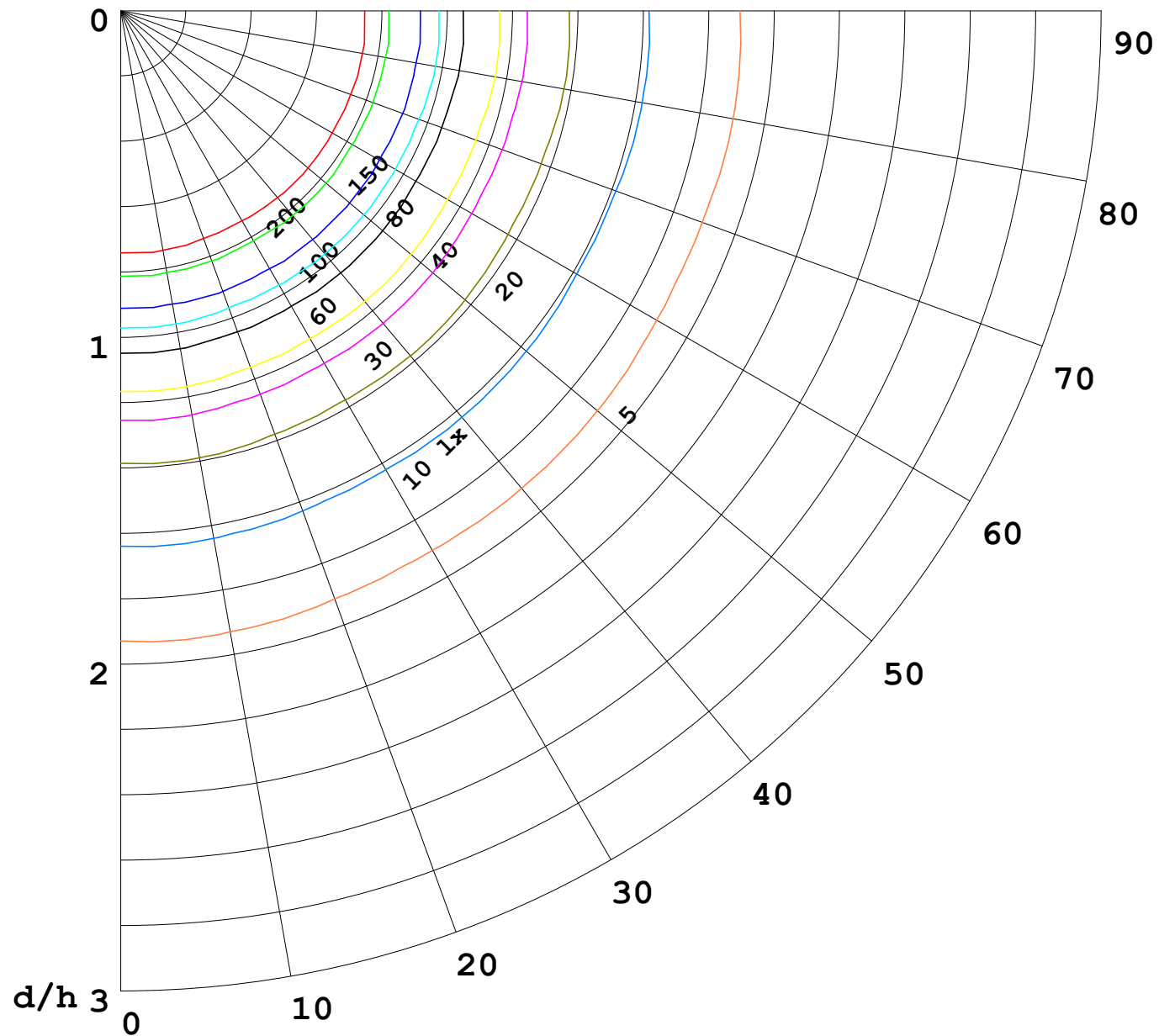
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

