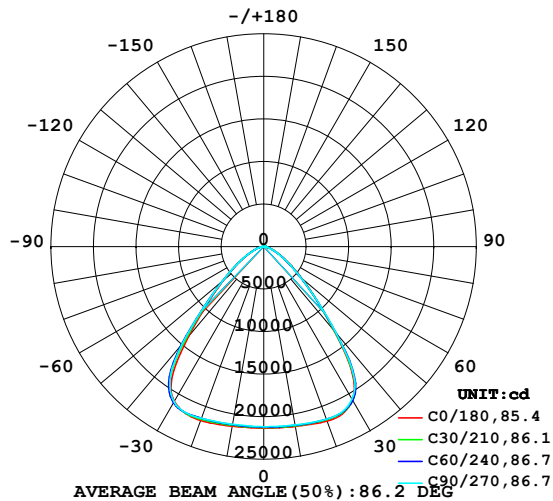


LUMINAIRE PHOTOMETRIC TEST REPORT

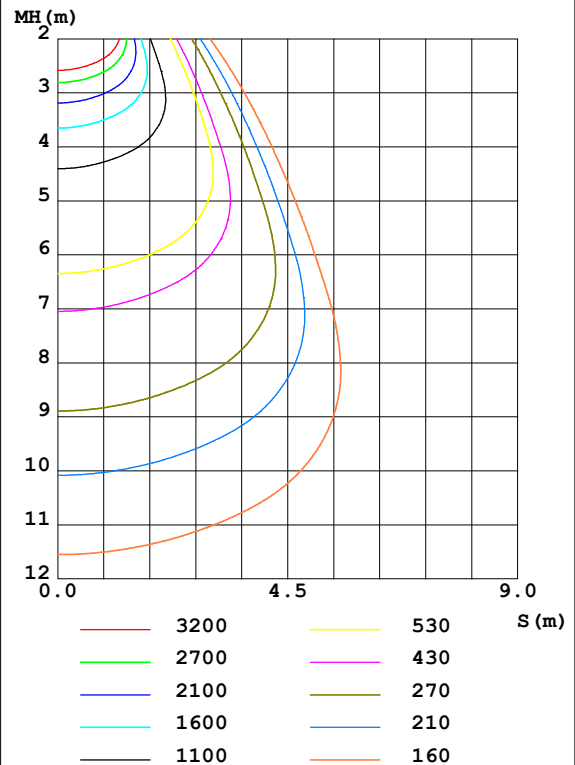
Test:U:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.41 lm/W			
MODEL	ASD-UHB2A-NEOX-240BK	I _{max} (cd)	21861	S/MH (C0/180)	1.24
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	43387	η UP, DN (C0-180)	0.5, 48.8
NOMINAL FLUX (lm)	43386.7	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)	120	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:

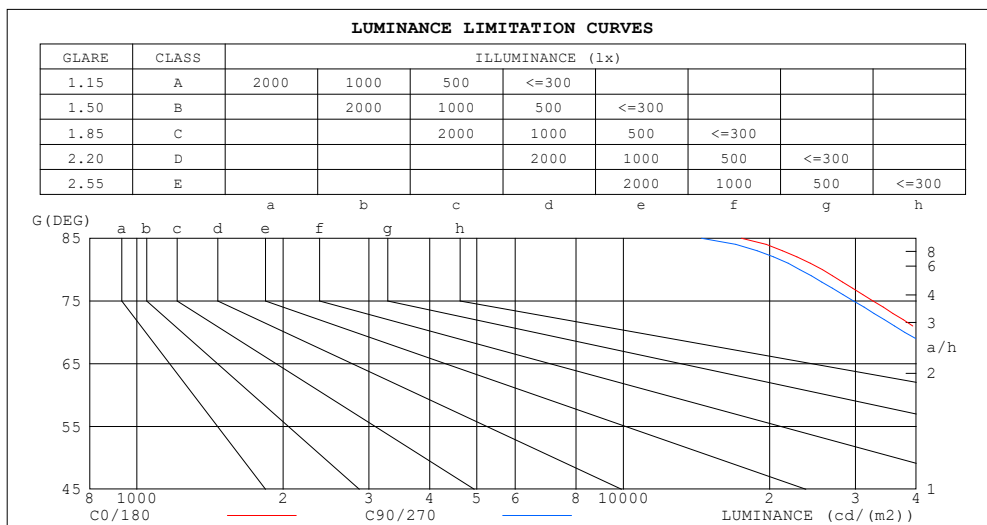
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2146	2136	2128	2124	2143	2129	2121	2121	0- 10	2027	2027	4.67,4.67
20	2182	2159	2158	2153	2175	2152	2148	2159	10- 20	6078	8105	18.7,18.7
30	2083	2098	2074	2078	2103	2114	2108	2076	20- 30	9924	18029	41.6,41.6
40	1280	1327	1320	1325	1369	1460	1487	1350	30- 40	11309	29339	67.6,67.6
50	588.8	587.8	574.2	605.6	618.4	627.4	638.1	616.9	40- 50	7152	36491	84.1,84.1
60	273.2	262.8	256.8	273.6	277.7	278.0	283.0	284.0	50- 60	3725	40216	92.7,92.7
70	113.7	106.9	104.3	110.8	115.9	114.5	116.2	116.7	60- 70	1809	42024	96.9,96.9
80	35.82	33.78	32.20	34.95	38.27	36.58	37.62	37.43	70- 80	730.7	42755	98.5,98.5
90	0.5900	0.5855	0.5859	0.5794	1.722	1.705	1.683	1.714	80- 90	154.3	42909	98.9,98.9
100	1.222	1.220	1.227	1.210	2.479	2.438	2.401	2.459	90-100	15.78	42925	98.9,98.9
110	2.587	2.616	2.647	2.540	3.906	3.881	3.818	3.928	100-110	25.89	42951	99,99
120	5.167	5.288	5.328	5.078	6.539	6.566	6.475	6.606	110-120	44.04	42995	99.1,99.1
130	8.609	8.762	8.793	8.484	10.09	10.14	10.03	10.13	120-130	67.85	43063	99.3,99.3
140	11.97	12.07	12.10	11.83	13.39	13.41	13.30	13.34	130-140	85.44	43148	99.5,99.5
150	14.70	14.80	14.84	14.62	15.89	15.85	15.73	15.72	140-150	87.65	43236	99.7,99.7
160	17.67	17.79	17.77	17.48	18.28	18.23	18.08	18.07	150-160	76.09	43312	99.8,99.8
170	20.77	20.77	20.65	20.49	21.00	20.87	20.71	20.60	160-170	54.49	43366	100,100
180	22.08	21.90	21.72	21.63	22.11	21.88	21.74	21.62	170-180	20.26	43387	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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	17505	14484
80	25665	23070
75	32643	29745
70	41349	37919
65	53018	49024
60	67964	63885
55	87631	83631
50	113962	111120
45	151622	152690

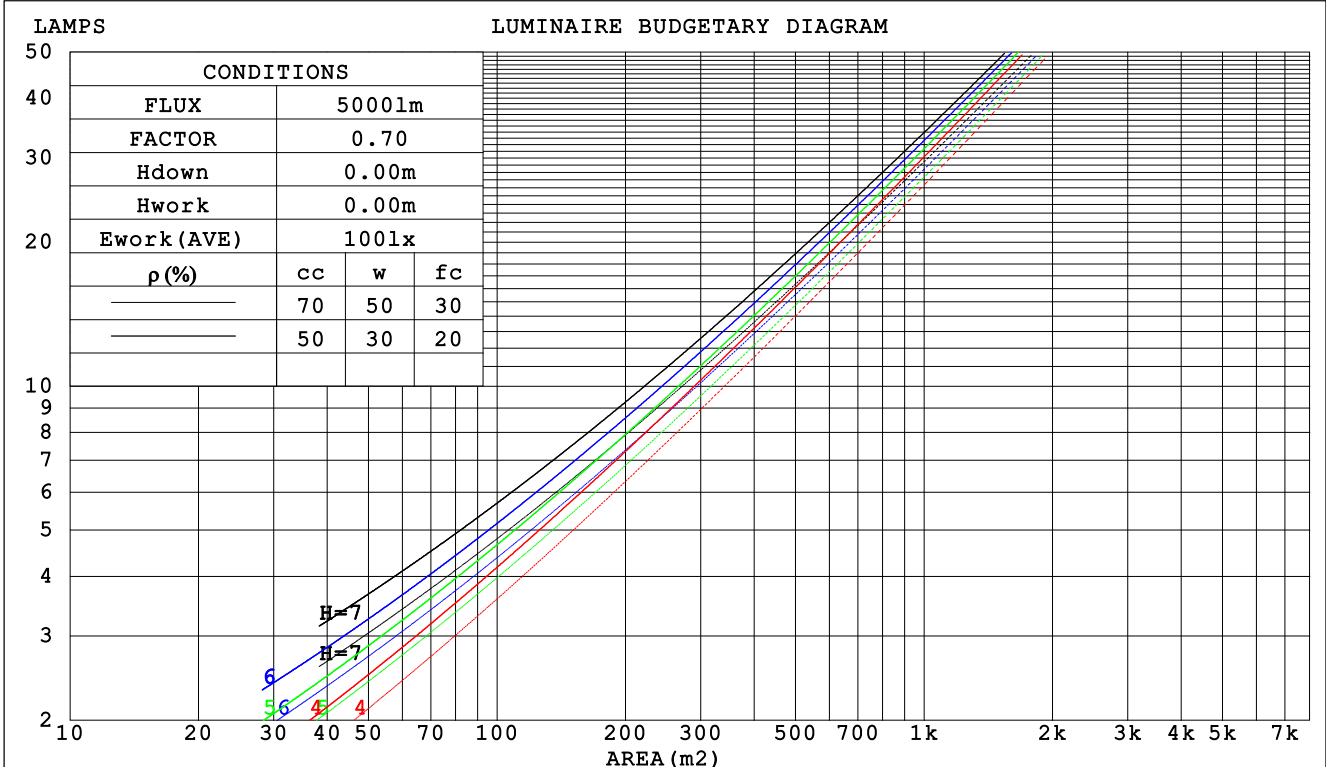
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz		
Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOX	
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	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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz		
Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz										
Lamp Flux:43386.7x1 lm										
NAME: ASD-UHB2A-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	26.4	26.8	24.7	26.0	25.1	26.3	26.6
3H	25.6	26.7	26.0	27.1	27.5	25.4	26.5	25.8	26.9	27.3
4H	25.8	26.9	26.2	27.3	27.7	25.6	26.6	26.0	27.0	27.4
6H	25.9	26.9	26.4	27.3	27.7	25.7	26.7	26.1	27.0	27.5
8H	26.0	26.9	26.4	27.3	27.7	25.7	26.6	26.1	27.0	27.5
12H	26.0	26.8	26.4	27.2	27.7	25.7	26.6	26.1	27.0	27.4
4H 2H	25.0	26.1	25.5	26.5	26.9	24.9	26.0	25.4	26.4	26.8
3H	26.0	26.8	26.4	27.3	27.7	25.8	26.7	26.2	27.1	27.5
4H	26.3	27.0	26.7	27.5	27.9	26.1	26.8	26.5	27.3	27.8
6H	26.5	27.1	26.9	27.6	28.1	26.2	26.9	26.7	27.4	27.9
8H	26.5	27.1	27.0	27.6	28.1	26.3	26.9	26.7	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	26.7	26.6	27.2	27.7
6H	26.5	27.0	27.1	27.6	28.1	26.3	26.9	26.9	27.4	27.9
8H	26.6	27.1	27.1	27.6	28.1	26.4	26.9	26.9	27.4	27.9
12H	26.6	27.0	27.2	27.6	28.2	26.4	26.8	27.0	27.3	27.9
12H 4H	26.3	26.8	26.8	27.3	27.8	26.1	26.6	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	27.8
8H	26.6	27.0	27.1	27.5	28.1	26.4	26.8	26.9	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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz		
Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

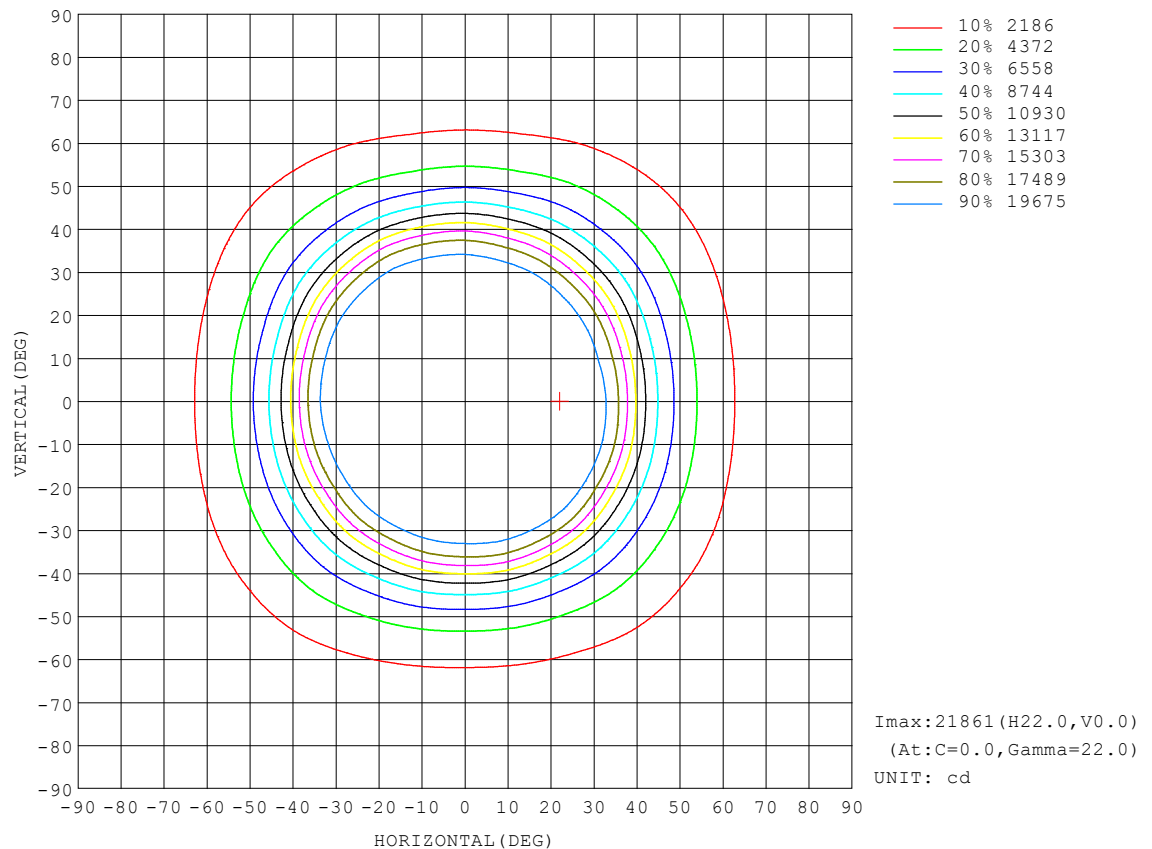
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	56	70	62	56	69	61	56	51
0.80	81	72	66	80	71	66	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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

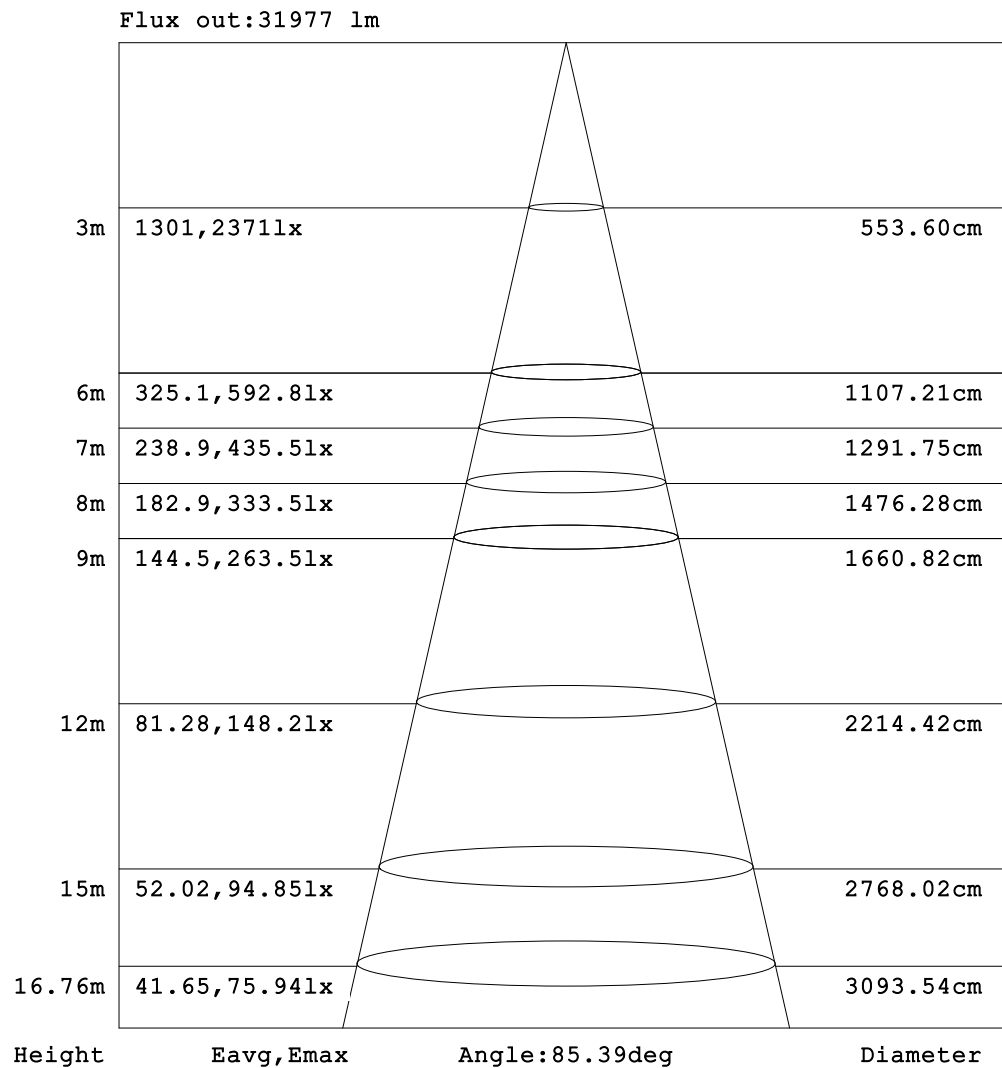


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-2-15

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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		



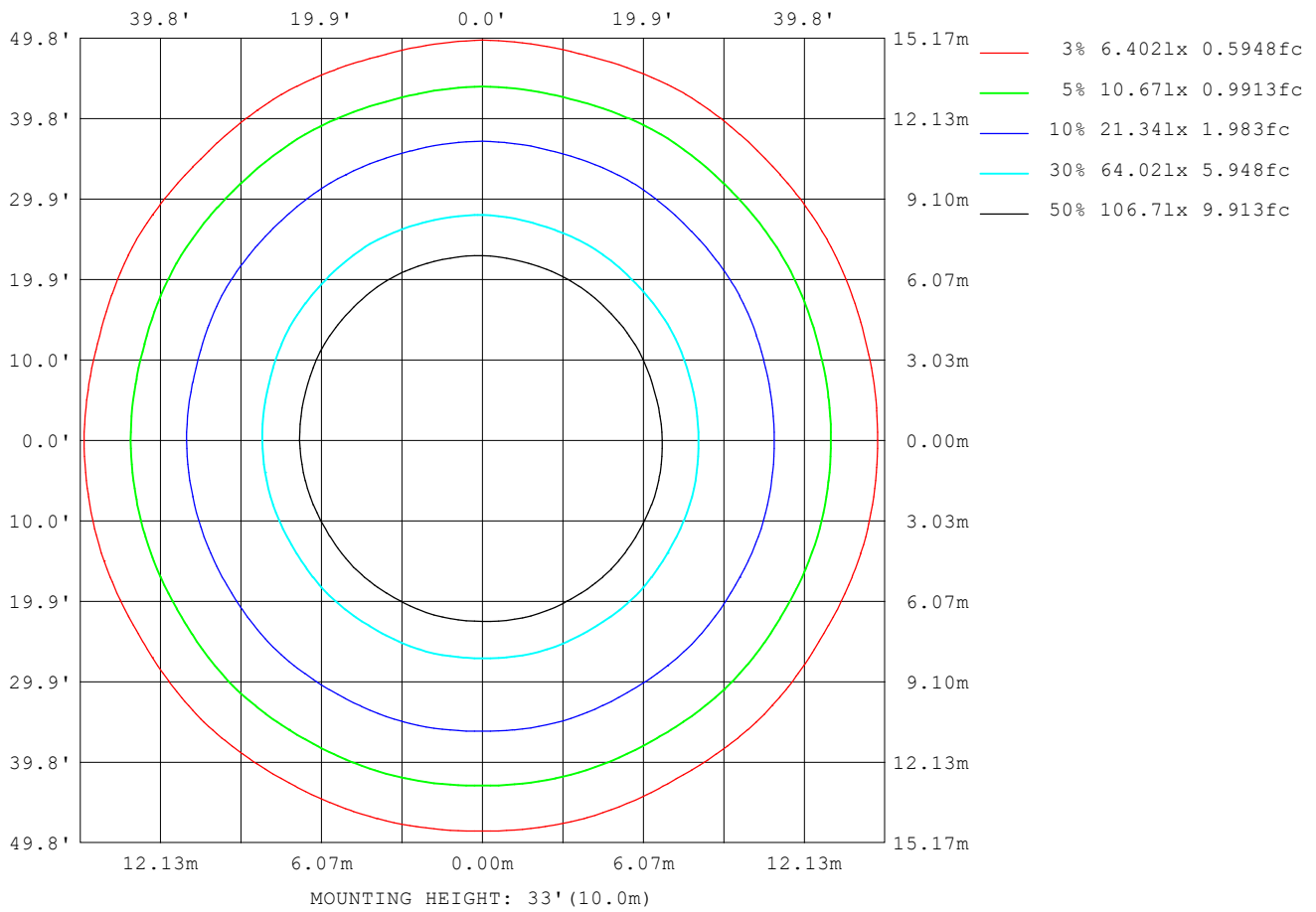
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOF	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

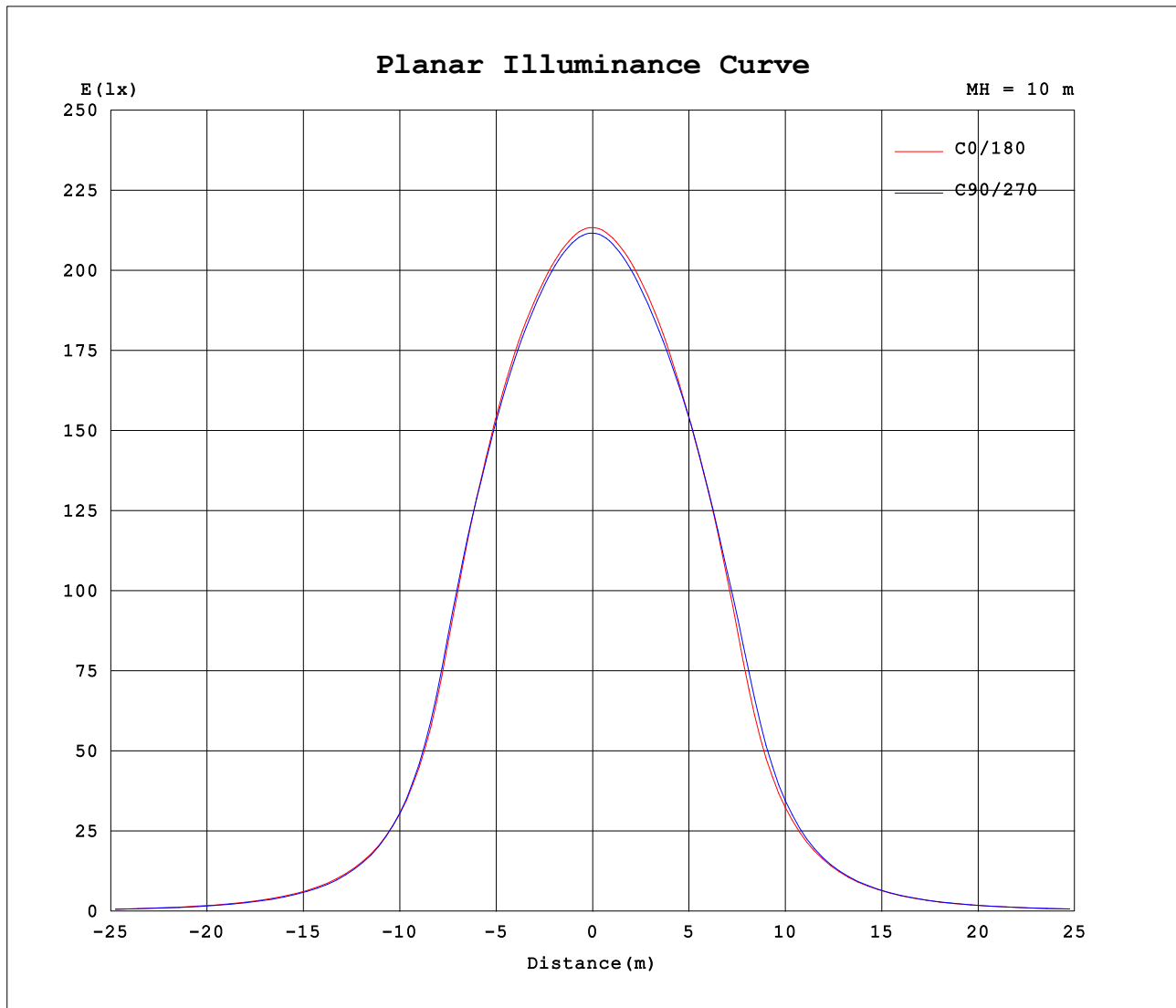
AvgL	cd/m2
L_0~180 (65) av	53345
L_0~180 (75) av	33237
L_0~180 (85) av	18884
L_90~270 (65) av	51731
L_90~270 (75) av	31618
L_90~270 (85) av	17426
L_45 (65) av	52859
L_45 (75) av	32138
L_45 (85) av	18133

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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz		
Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-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	2134	2131	2127	2124	2122	2119	2117	2115	2113	2113	2112	2112	2134	2131	2127	2124	2122	2119	2117
5	2137	2133	2131	2128	2125	2123	2120	2117	2116	2115	2114	2113	2135	2131	2128	2124	2121	2119	2116
10	2146	2142	2139	2136	2133	2131	2128	2126	2125	2124	2123	2121	2143	2138	2133	2129	2125	2123	2121
15	2162	2156	2151	2147	2145	2143	2142	2140	2140	2139	2138	2135	2159	2152	2145	2139	2134	2133	2131
20	2182	2173	2164	2159	2158	2158	2158	2156	2155	2153	2151	2149	2175	2167	2160	2152	2147	2147	2148
25	2175	2169	2163	2160	2158	2157	2153	2150	2143	2142	2140	2140	2166	2163	2164	2161	2159	2157	2157
30	2083	2094	2091	2098	2090	2087	2074	2079	2071	2078	2074	2081	2103	2102	2111	2114	2122	2114	2108
35	1813	1843	1838	1870	1861	1875	1848	1853	1829	1842	1825	1858	1883	1896	1927	1933	1952	1934	1922
40	1280	1302	1290	1327	1317	1345	1320	1334	1309	1325	1311	1353	1369	1384	1444	1460	1511	1488	1487
45	862	872	865	878	864	883	868	885	875	894	889	906	917	920	954	959	982	972	977
50	589	593	584	588	573	581	574	587	587	606	599	610	618	612	635	627	637	628	638
55	404	403	392	395	383	390	386	393	397	409	402	411	416	410	424	417	425	415	426
60	273	271	262	263	255	258	257	262	266	274	269	276	278	276	282	278	285	276	283
65	180	179	171	172	166	167	167	170	173	178	175	180	182	182	184	182	185	181	185
70	114	113	107	107	103	105	104	106	108	111	110	114	116	115	117	115	117	115	116
75	67.9	67.5	63.7	63.3	60.5	62.5	61.9	63.5	63.6	66.2	65.7	68.1	70.4	69.0	70.9	68.4	70.3	68.9	69.7
80	35.8	36.4	33.8	33.8	31.6	33.1	32.2	33.6	33.1	35.0	34.1	36.4	38.3	36.9	38.6	36.6	38.0	36.3	37.6
85	12.3	12.5	11.2	11.3	10.0	10.8	10.1	11.0	10.5	11.5	11.2	12.5	14.2	13.7	14.8	14.0	14.7	13.7	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	0.57	1.72	1.73	1.70	1.70	1.69	1.69	1.68
95	0.84	0.83	0.85	0.84	0.85	0.83	0.84	0.83	0.85	0.83	0.84	0.82	2.05	2.04	2.01	2.01	1.99	2.00	1.98
100	1.22	1.21	1.24	1.22	1.23	1.21	1.23	1.21	1.23	1.21	1.22	1.19	2.48	2.48	2.44	2.44	2.41	2.42	2.40
105	1.78	1.77	1.81	1.79	1.81	1.78	1.80	1.77	1.79	1.76	1.77	1.72	3.08	3.08	3.03	3.04	2.99	3.01	2.99
110	2.59	2.57	2.64	2.62	2.66	2.62	2.65	2.58	2.61	2.54	2.55	2.48	3.91	3.92	3.86	3.88	3.82	3.86	3.82
115	3.72	3.71	3.82	3.80	3.87	3.81	3.83	3.74	3.75	3.65	3.65	3.56	5.06	5.09	5.01	5.06	4.99	5.04	4.99
120	5.17	5.17	5.31	5.29	5.37	5.30	5.33	5.21	5.21	5.08	5.08	4.96	6.54	6.58	6.50	6.57	6.49	6.55	6.48
125	6.84	6.85	7.00	6.99	7.07	7.00	7.02	6.89	6.87	6.73	6.72	6.60	8.27	8.31	8.24	8.30	8.23	8.29	8.21
130	8.61	8.62	8.77	8.76	8.86	8.77	8.79	8.65	8.64	8.48	8.48	8.35	10.1	10.1	10.1	10.1	10.1	10.1	10.0
135	10.4	10.4	10.5	10.5	10.6	10.5	10.5	10.4	10.4	10.2	10.2	10.1	11.8	11.9	11.8	11.9	11.8	11.9	11.8
140	12.0	12.0	12.1	12.1	12.2	12.1	12.1	12.0	12.0	11.8	11.8	11.7	13.4	13.4	13.4	13.4	13.3	13.4	13.3
145	13.4	13.4	13.5	13.5	13.6	13.5	13.5	13.4	13.4	13.3	13.3	13.2	14.7	14.7	14.7	14.7	14.7	14.7	14.6
150	14.7	14.7	14.8	14.8	14.9	14.8	14.8	14.7	14.7	14.6	14.6	14.5	15.9	15.9	15.8	15.9	15.8	15.8	15.7
155	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.1	16.1	16.0	16.0	15.9	17.0	17.0	16.9	16.9	16.9	16.9	16.8
160	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.6	17.6	17.5	17.5	17.4	18.3	18.3	18.3	18.2	18.2	18.2	18.1
165	19.4	19.4	19.4	19.4	19.5	19.4	19.3	19.2	19.2	19.1	19.1	19.0	19.7	19.7	19.7	19.7	19.6	19.6	19.5
170	20.8	20.8	20.8	20.8	20.8	20.7	20.7	20.6	20.6	20.5	20.5	20.4	21.0	21.0	20.9	20.9	20.8	20.8	20.7
175	21.7	21.7	21.6	21.6	21.5	21.5	21.4	21.4	21.4	21.3	21.3	21.2	21.8	21.7	21.6	21.6	21.6	21.4	21.4
180	22.1	22.1	21.9	21.9	21.8	21.8	21.7	21.7	21.7	21.6	21.6	21.6	22.1	22.0	21.9	21.9	21.9	21.8	21.7

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:119.63V I:2.0021A P:239.17W PF:0.9986 Freq:50.03Hz Lamp Flux:43386.7x1 lm		
NAME: ASD-UHB2A-NEOX-240BK	TYPE: NEOX	
SPEC.: 240W 5000K		
MFR.: ASD LIGHTING CORP		

Table--2

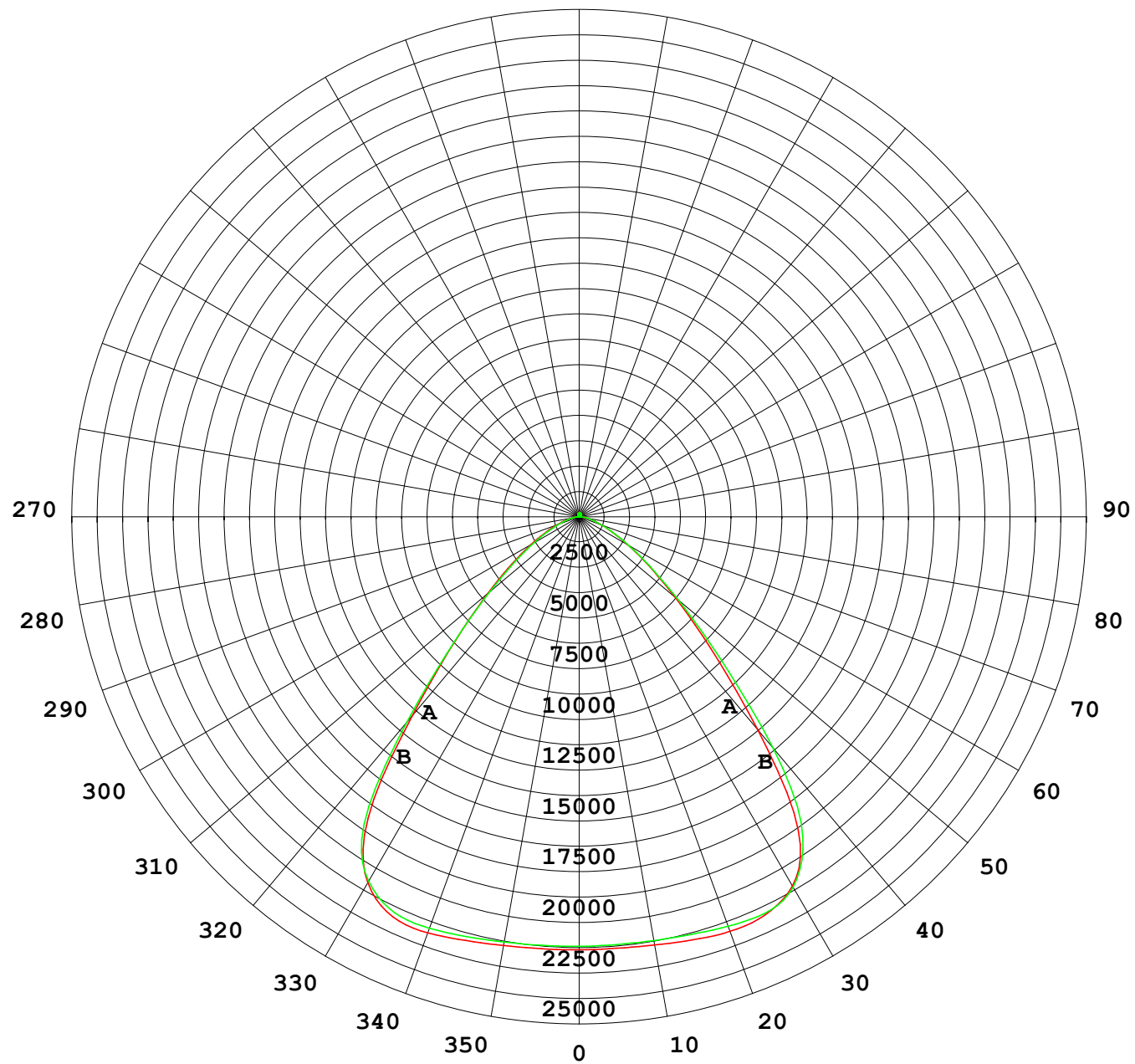
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2115	2113	2113	2112	2112														
5	2115	2114	2114	2114	2114														
10	2120	2120	2121	2121	2122														
15	2132	2133	2137	2138	2138														
20	2151	2154	2159	2160	2159														
25	2158	2160	2159	2159	2153														
30	2099	2091	2076	2072	2059														
35	1888	1874	1836	1830	1799														
40	1427	1409	1350	1333	1288														
45	947	944	909	902	870														
50	628	637	617	615	593														
55	418	430	420	418	405														
60	280	289	284	280	274														
65	182	189	186	184	181														
70	113	119	117	117	114														
75	67.6	70.9	69.5	70.3	68.6														
80	36.0	38.6	37.4	38.3	36.6														
85	13.5	14.6	14.0	14.4	13.5														
90	1.70	1.69	1.71	1.71	1.73														
95	2.01	2.00	2.03	2.02	2.05														
100	2.43	2.42	2.46	2.46	2.49														
105	3.03	3.02	3.07	3.06	3.11														
110	3.87	3.86	3.93	3.91	3.98														
115	5.05	5.02	5.11	5.08	5.17														
120	6.55	6.51	6.61	6.57	6.69														
125	8.28	8.24	8.33	8.29	8.42														
130	10.1	10.0	10.1	10.1	10.2														
135	11.8	11.8	11.8	11.8	11.9														
140	13.3	13.3	13.3	13.3	13.4														
145	14.6	14.6	14.6	14.6	14.7														
150	15.7	15.7	15.7	15.7	15.8														
155	16.8	16.7	16.8	16.8	16.9														
160	18.1	18.0	18.1	18.0	18.1														
165	19.5	19.4	19.4	19.4	19.5														
170	20.7	20.6	20.6	20.6	20.6														
175	21.4	21.4	21.3	21.3	21.3														
180	21.7	21.7	21.6	21.6	21.6														

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

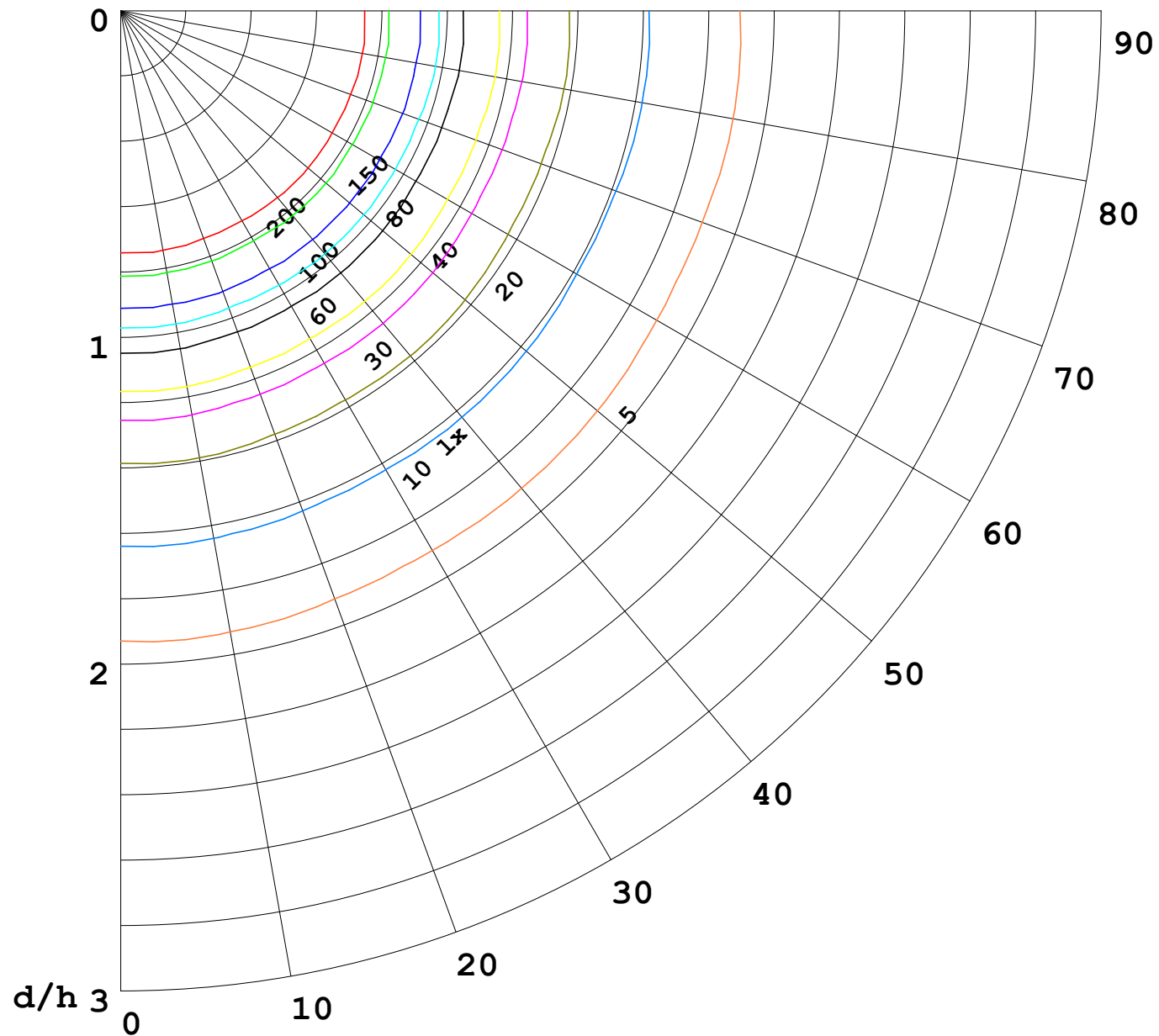
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

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

