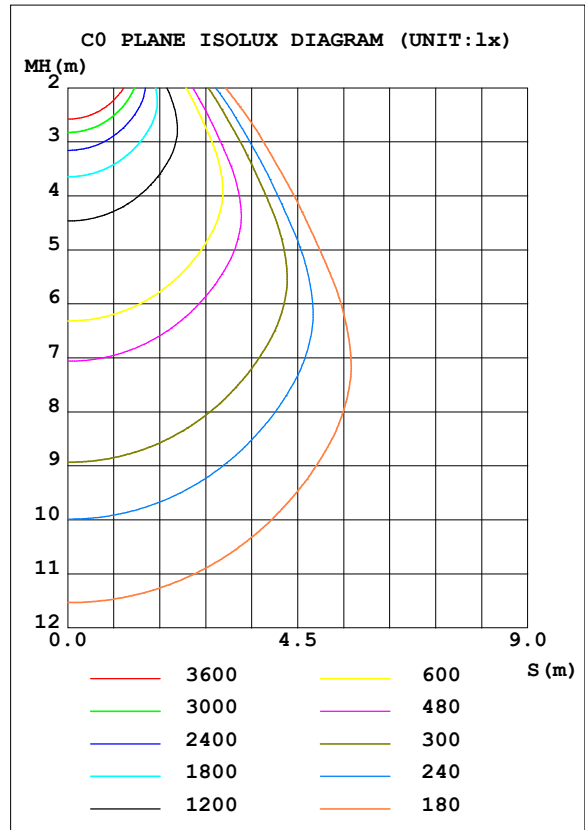
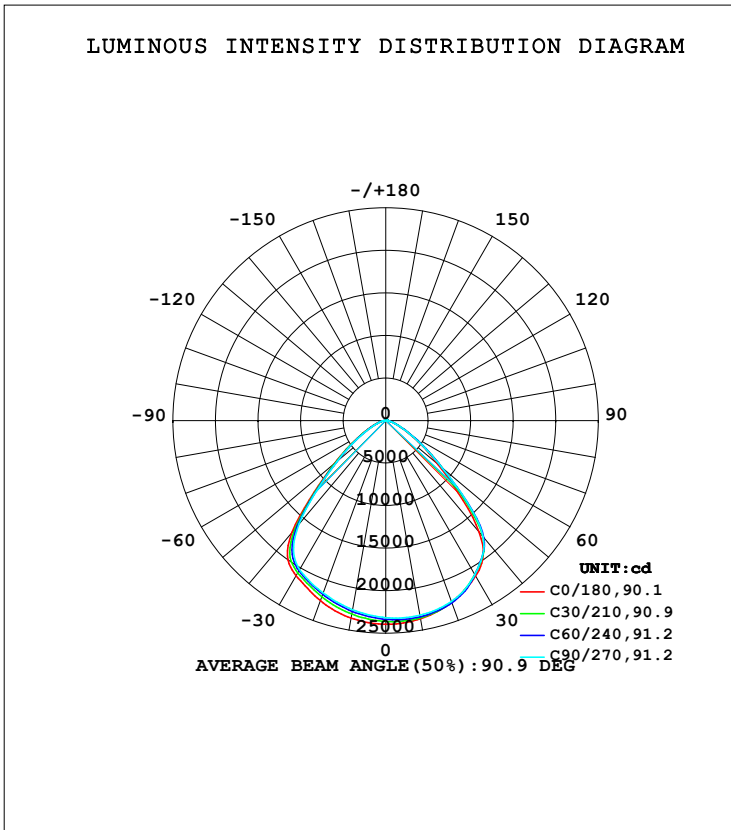


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.14 lm/W			
MODEL ASD-UHB2A-PRO-300-BK		I <sub>max</sub> (cd)	23932	S/MH (C0/180)	1.29
NOMINAL POWER (W)	300	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	48340	η UP, DN (C0-180)	0.5, 50.9
NOMINAL FLUX (lm)	48340.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 48.0
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	98.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: S  
 Test Date: 27 MAY 2024

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:

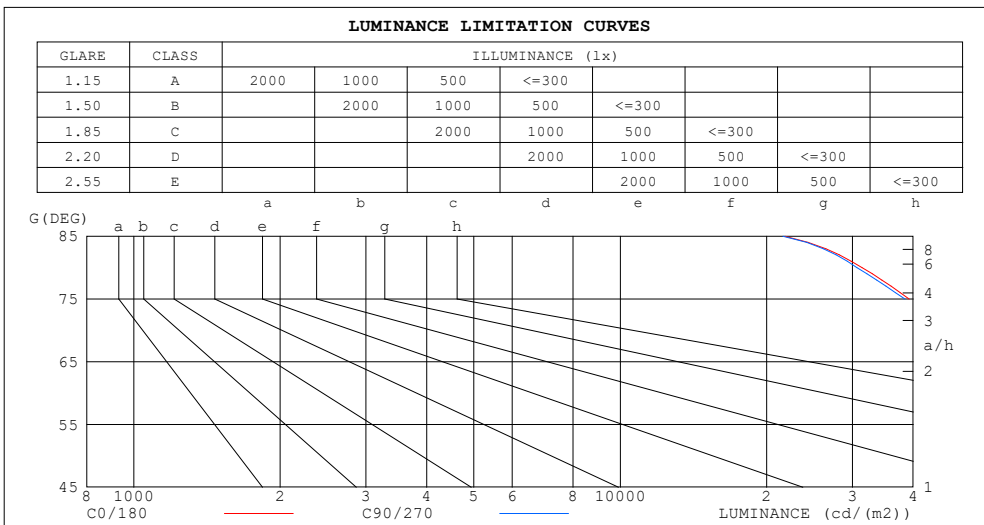
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2365	2348	2322	2286	2356	2289	2257	2247	0- 10	2208	2208	4.57,4.57
20	2268	2280	2262	2207	2251	2182	2155	2148	10- 20	6392	8601	17.8,17.8
30	2111	2097	2093	2041	2106	2048	2025	2010	20- 30	9878	18479	38.2,38.2
40	1707	1799	1781	1719	1715	1621	1587	1593	30- 40	11984	30463	63,63
50	802.4	889.6	871.9	830.4	791.7	749.4	749.5	739.8	40- 50	9430	39893	82.5,82.5
60	340.8	369.2	354.6	341.5	333.9	308.0	308.8	309.7	50- 60	4814	44707	92.5,92.5
70	135.2	143.4	134.5	128.9	130.5	117.6	116.2	120.2	60- 70	2110	46817	96.8,96.8
80	43.84	46.82	42.83	39.92	41.57	36.44	36.60	38.15	70- 80	827.5	47644	98.6,98.6
90	0.6310	0.5757	0.5659	0.5679	1.878	1.914	1.891	1.821	80- 90	172.8	47817	98.9,98.9
100	1.394	1.301	1.286	1.293	2.839	2.940	2.882	2.780	90-100	17.41	47834	99,99
110	3.141	2.950	2.918	2.943	4.777	5.028	4.938	4.756	100-110	30.63	47865	99,99
120	6.102	5.797	5.722	5.768	7.952	8.267	8.146	7.879	110-120	52.95	47918	99.1,99.1
130	9.615	9.205	9.108	9.179	11.71	11.92	11.75	11.40	120-130	77.71	47996	99.3,99.3
140	12.80	12.31	12.24	12.33	15.03	15.02	14.74	14.32	130-140	93.03	48089	99.5,99.5
150	15.61	15.05	15.02	15.09	17.69	17.56	17.07	16.66	140-150	93.03	48182	99.7,99.7
160	18.78	18.25	18.22	18.28	20.27	20.08	19.52	19.13	150-160	80.86	48263	99.8,99.8
170	21.43	21.02	21.00	20.89	22.31	21.92	21.35	20.98	160-170	57.00	48320	100,100
180	22.63	22.35	22.04	21.70	22.77	22.26	22.09	21.68	170-180	20.69	48340	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:27 MAY 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21804	21614
80	31409	30682
75	39251	38500
70	49190	48906
65	63389	64346
60	84783	88232
55	116540	123064
50	155285	168736
45	212541	237257

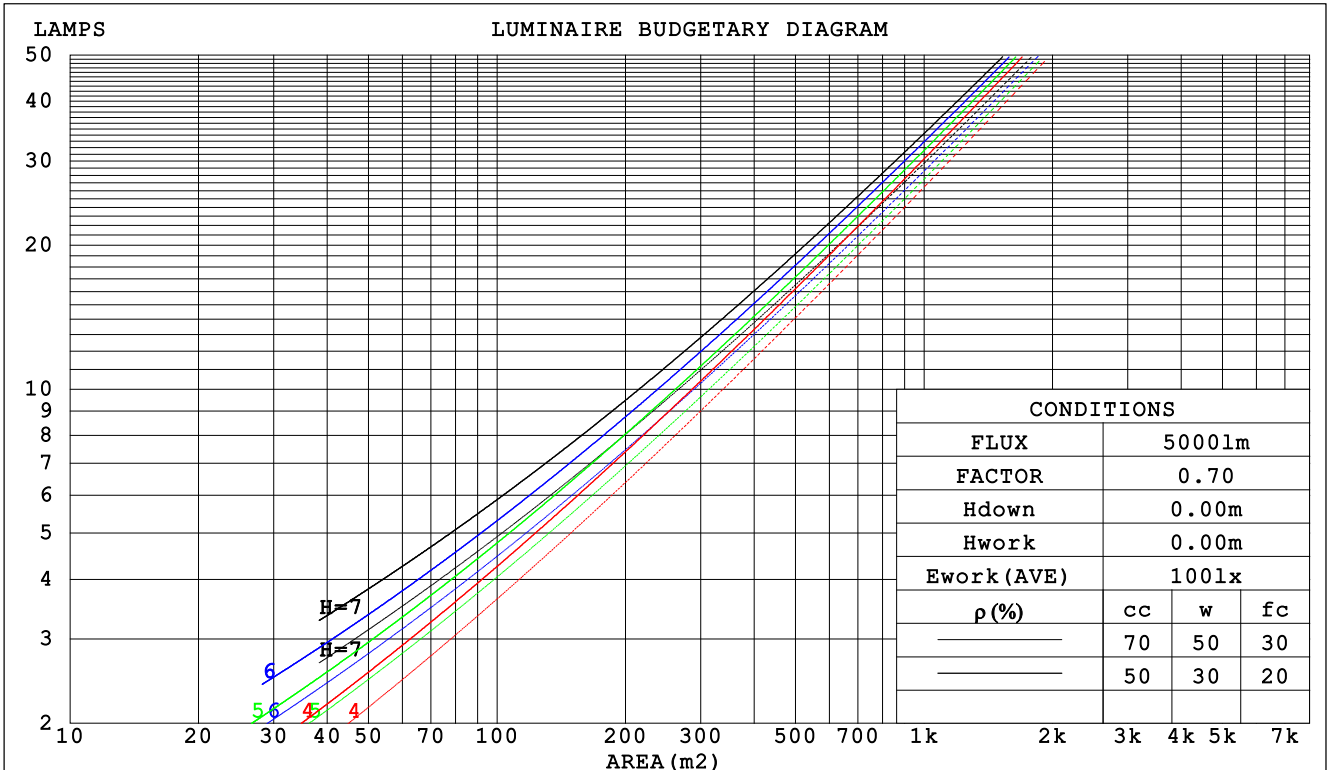
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:27 MAY 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.91	.87	.95	.90	.86	.91	.87	.83	.88	.84	.81	.85	.82	.80	.78
3.0	.87	.80	.75	.85	.79	.74	.82	.77	.73	.80	.75	.72	.77	.73	.70	.68
4.0	.79	.71	.66	.77	.71	.65	.75	.69	.64	.73	.67	.63	.70	.66	.62	.61
5.0	.71	.64	.58	.70	.63	.58	.68	.62	.57	.66	.61	.56	.64	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.51	.62	.56	.51	.61	.55	.50	.59	.54	.50	.48
7.0	.60	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.45	.54	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.51	.46	.41	.50	.45	.41	.39
9.0	.51	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10.0	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.38	.34	.43	.38	.34	.33



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:27 MAY 2024

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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.237	.135	.043	.230	.131	.042	.216	.124	.040	.204	.118	.038	.192	.111	.036	
2.0	.230	.126	.039	.224	.123	.038	.212	.118	.037	.201	.113	.035	.191	.108	.034	
3.0	.219	.117	.035	.214	.114	.034	.203	.110	.034	.194	.106	.033	.185	.102	.032	
4.0	.207	.108	.032	.203	.106	.031	.193	.103	.031	.185	.099	.030	.177	.096	.029	
5.0	.196	.100	.029	.192	.098	.029	.184	.096	.028	.176	.093	.028	.169	.090	.027	
6.0	.185	.093	.027	.181	.092	.026	.174	.089	.026	.167	.087	.026	.161	.085	.025	
7.0	.175	.086	.025	.171	.085	.024	.165	.083	.024	.159	.081	.024	.153	.080	.023	
8.0	.165	.081	.023	.162	.080	.023	.157	.078	.022	.151	.077	.022	.146	.075	.022	
9.0	.157	.076	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.139	.071	.020	
10.0	.149	.071	.020	.146	.071	.020	.142	.069	.020	.137	.068	.019	.133	.067	.019	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.184	.165	.148	.157	.142	.128	.107	.097	.088	.062	.056	.051	.020	.018	.017	
2.0	.172	.141	.114	.148	.121	.098	.101	.084	.069	.058	.049	.040	.019	.016	.013	
3.0	.163	.122	.090	.140	.106	.078	.096	.073	.055	.055	.043	.032	.018	.014	.011	
4.0	.155	.109	.073	.133	.094	.063	.091	.065	.045	.053	.038	.026	.017	.012	.009	
5.0	.148	.098	.061	.127	.085	.053	.087	.059	.037	.051	.035	.022	.016	.011	.007	
6.0	.141	.089	.052	.121	.077	.045	.084	.054	.032	.049	.032	.019	.016	.010	.006	
7.0	.135	.082	.045	.116	.071	.039	.080	.050	.028	.047	.029	.017	.015	.010	.005	
8.0	.129	.076	.040	.111	.066	.035	.077	.046	.025	.045	.027	.015	.014	.009	.005	
9.0	.124	.071	.036	.107	.062	.031	.074	.043	.022	.043	.026	.013	.014	.008	.004	
10.0	.119	.067	.033	.102	.058	.028	.071	.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:27 MAY 2024

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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz										
Lamp Flux:48340.4x1 lm										
NAME: ASD-UHB2A-PRO-300-BK					TYPE:			WEIGHT:		
SPEC.: 300W 5000K					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 160*160*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	26.7	28.0	27.1	28.4	28.7	26.5	27.9	26.9	28.2	28.6
3H	27.3	28.5	27.7	28.8	29.2	27.1	28.3	27.5	28.7	29.1
4H	27.5	28.6	27.9	29.0	29.4	27.3	28.4	27.7	28.8	29.2
6H	27.6	28.6	28.0	29.0	29.4	27.4	28.4	27.8	28.8	29.2
8H	27.6	28.5	28.0	29.0	29.4	27.4	28.4	27.8	28.8	29.2
12H	27.6	28.5	28.0	28.9	29.4	27.4	28.3	27.8	28.7	29.2
4H 2H	26.9	28.0	27.3	28.4	28.8	26.7	27.8	27.1	28.2	28.6
3H	27.6	28.6	28.1	29.0	29.4	27.4	28.3	27.9	28.8	29.2
4H	27.9	28.7	28.3	29.1	29.6	27.6	28.5	28.1	28.9	29.4
6H	28.1	28.8	28.5	29.2	29.7	27.8	28.5	28.3	29.0	29.5
8H	28.1	28.7	28.6	29.2	29.7	27.8	28.5	28.3	29.0	29.4
12H	28.1	28.7	28.6	29.2	29.7	27.8	28.4	28.3	28.9	29.4
8H 4H	27.9	28.6	28.4	29.1	29.5	27.7	28.3	28.1	28.8	29.3
6H	28.2	28.7	28.7	29.2	29.7	27.9	28.4	28.4	28.9	29.4
8H	28.2	28.7	28.8	29.2	29.7	27.9	28.4	28.4	28.9	29.4
12H	28.3	28.7	28.8	29.2	29.8	27.9	28.4	28.5	28.9	29.5
12H 4H	27.9	28.5	28.4	29.0	29.5	27.6	28.2	28.1	28.7	29.2
6H	28.1	28.6	28.7	29.1	29.7	27.8	28.3	28.4	28.8	29.4
8H	28.2	28.7	28.8	29.2	29.8	27.9	28.3	28.4	28.8	29.4
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:27 MAY 2024

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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

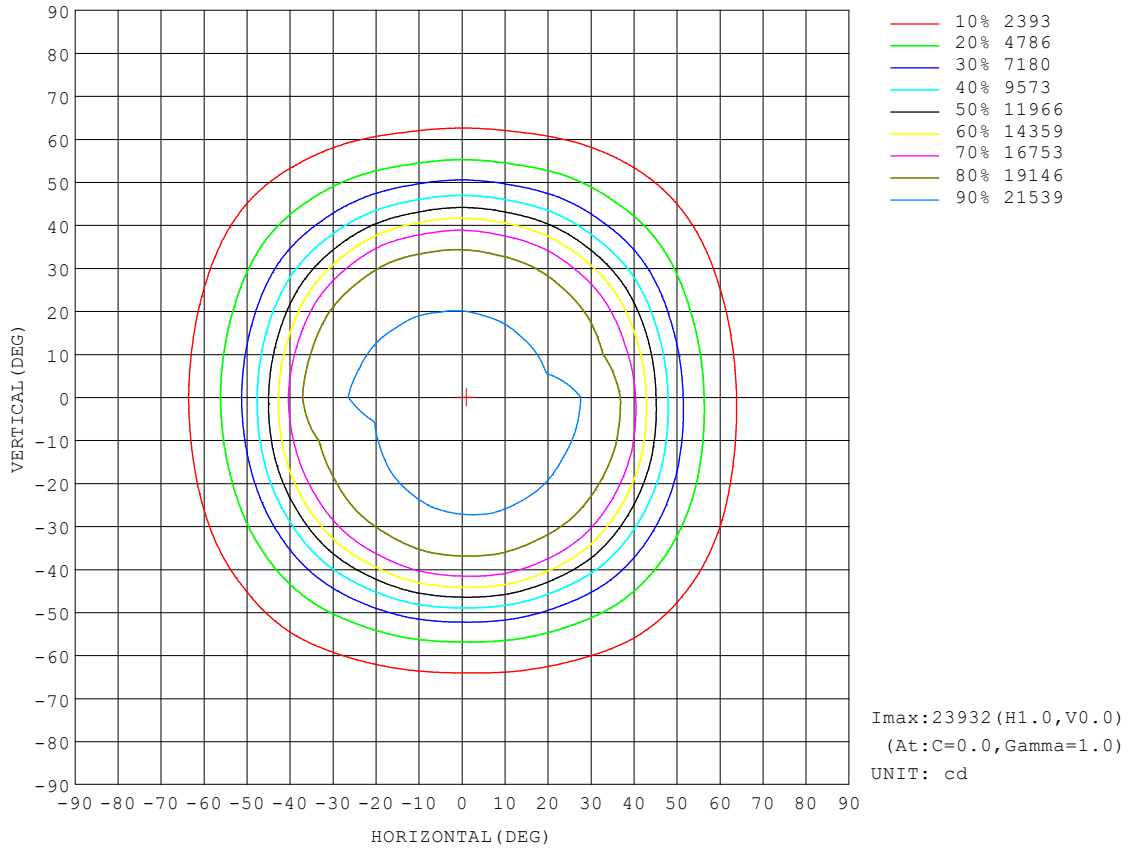
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	68	58	53	67	58	52	66	58	52	47
0.80	78	69	63	77	68	63	75	67	62	56
1.00	86	77	71	85	77	71	83	77	71	65
1.25	92	84	79	91	83	78	88	82	77	71
1.50	96	89	84	95	88	83	92	86	82	76
2.00	102	95	90	100	94	90	97	92	88	81
2.50	104	99	94	102	97	93	99	95	91	84
3.00	107	102	98	105	100	96	101	97	94	86
4.00	110	105	102	107	104	101	103	100	98	89
5.00	111	108	105	109	106	103	105	102	100	91
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:27 MAY 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

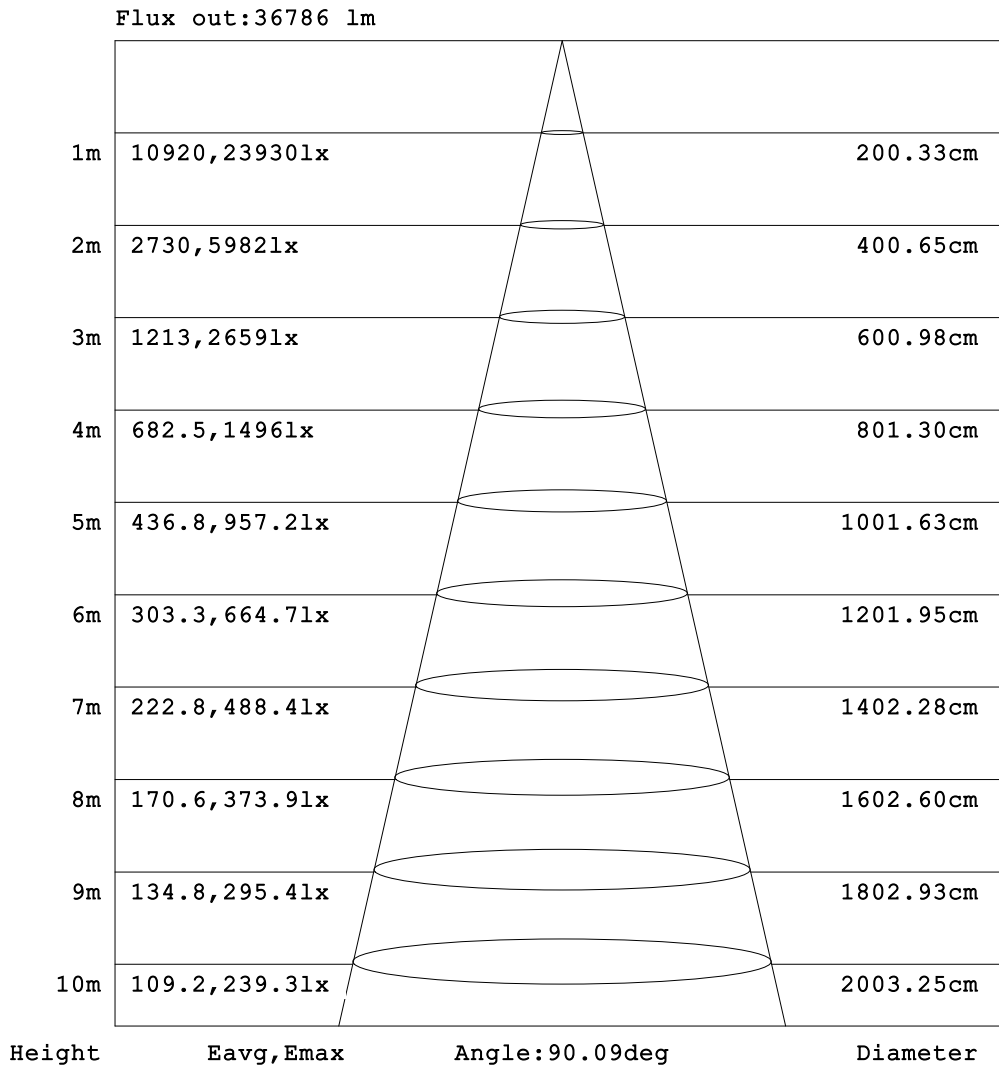


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:27 MAY 2024

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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:



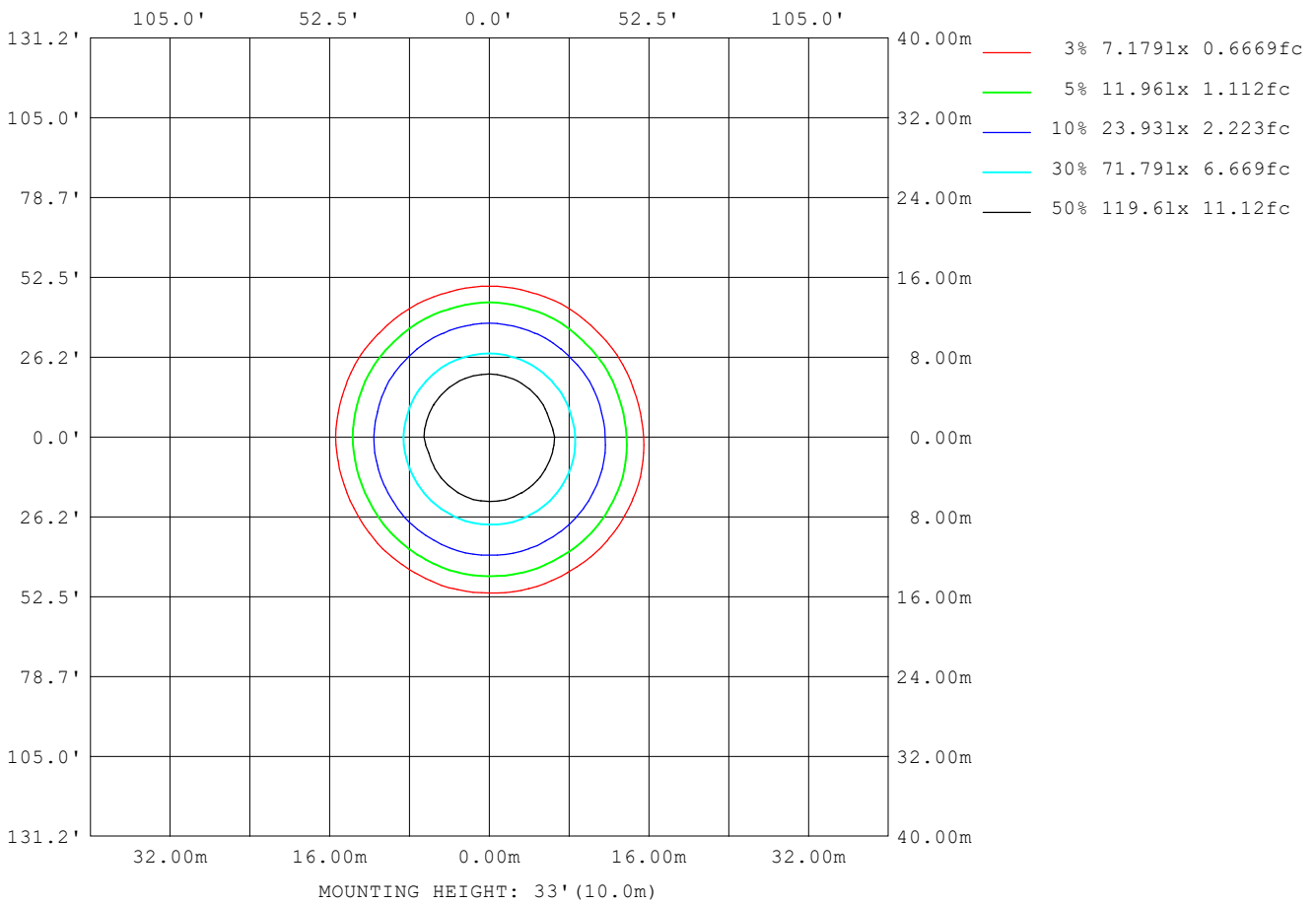
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:27 MAY 2024

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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:27 MAY 2024

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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

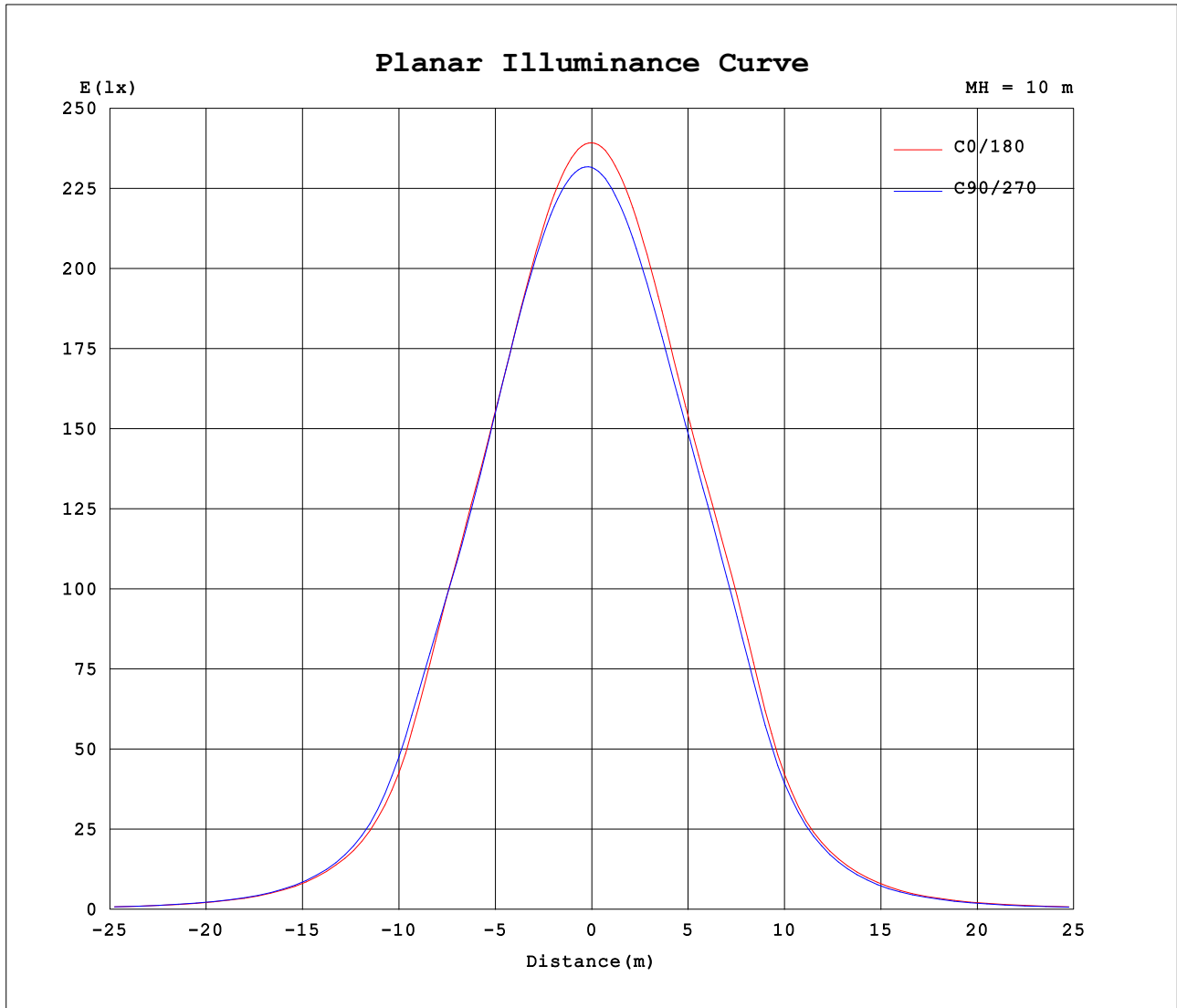
AvgL	cd/m2
L_0~180 (65) av	62524
L_0~180 (75) av	38324
L_0~180 (85) av	21167
L_90~270 (65) av	60094
L_90~270 (75) av	35728
L_90~270 (85) av	19935
L_45 (65) av	60721
L_45 (75) av	36399
L_45 (85) av	20129

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:27 MAY 2024

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: 27 MAY 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*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	2393	2376	2360	2347	2335	2324	2316	2308	2302	2296	2292	2287	2393	2376	2360	2347	2335	2324	2316
5	2387	2376	2364	2355	2345	2336	2326	2317	2308	2299	2290	2282	2383	2360	2341	2324	2312	2300	2292
10	2365	2360	2353	2348	2340	2333	2322	2311	2298	2286	2272	2261	2356	2328	2309	2289	2276	2263	2257
15	2325	2326	2324	2324	2319	2313	2302	2289	2272	2256	2238	2224	2312	2283	2263	2242	2229	2215	2210
20	2268	2273	2274	2280	2278	2274	2262	2248	2226	2207	2184	2168	2251	2222	2203	2182	2171	2159	2155
25	2196	2198	2197	2208	2208	2209	2194	2180	2155	2135	2108	2093	2176	2150	2134	2116	2108	2098	2095
30	2111	2105	2092	2097	2095	2104	2093	2085	2059	2041	2017	2006	2106	2081	2068	2048	2040	2028	2025
35	1986	1990	1978	1978	1970	1979	1970	1965	1940	1928	1908	1905	2002	1972	1960	1931	1920	1895	1889
40	1707	1763	1773	1799	1795	1804	1781	1769	1731	1719	1691	1692	1715	1666	1658	1621	1620	1584	1587
45	1208	1279	1302	1353	1357	1380	1349	1338	1289	1274	1230	1231	1195	1160	1157	1123	1129	1104	1116
50	802	851	866	890	878	891	872	874	843	830	799	795	792	776	780	749	751	739	749
55	537	572	578	589	576	581	567	568	548	541	522	518	532	514	516	496	494	479	489
60	341	360	363	369	363	364	355	355	344	342	325	327	334	321	322	308	312	298	309
65	215	225	224	231	224	225	219	218	213	211	197	205	209	200	198	190	191	186	190
70	135	141	139	143	138	139	134	134	131	129	121	127	130	125	123	118	117	115	116
75	81.7	85.1	83.8	86.5	82.8	83.3	80.1	79.5	77.1	76.1	70.5	74.9	77.8	73.6	72.9	69.0	69.4	67.4	68.6
80	43.8	46.1	45.3	46.8	44.5	45.0	42.8	42.5	40.4	39.9	36.7	38.8	41.6	39.1	38.8	36.4	36.9	35.6	36.6
85	15.3	17.0	16.4	17.5	16.1	16.7	15.1	15.2	13.7	13.6	11.8	12.4	14.4	12.9	13.3	12.2	12.7	12.0	12.8
90	0.63	0.61	0.60	0.58	0.57	0.56	0.57	0.56	0.58	0.57	0.59	0.59	1.88	1.90	1.90	1.91	1.91	1.91	1.89
95	0.93	0.90	0.89	0.85	0.85	0.83	0.84	0.83	0.85	0.85	0.88	0.89	2.27	2.32	2.31	2.34	2.32	2.33	2.29
100	1.39	1.36	1.35	1.30	1.30	1.27	1.29	1.27	1.30	1.29	1.34	1.36	2.84	2.90	2.90	2.94	2.92	2.93	2.88
105	2.11	2.05	2.04	1.98	1.98	1.93	1.96	1.93	1.98	1.97	2.04	2.07	3.64	3.74	3.76	3.82	3.79	3.81	3.74
110	3.14	3.05	3.04	2.95	2.95	2.89	2.92	2.88	2.95	2.94	3.05	3.08	4.78	4.92	4.94	5.03	4.99	5.03	4.94
115	4.50	4.38	4.36	4.24	4.25	4.16	4.20	4.15	4.24	4.23	4.36	4.40	6.23	6.40	6.43	6.54	6.49	6.54	6.43
120	6.10	5.97	5.93	5.80	5.79	5.68	5.72	5.67	5.78	5.77	5.91	5.95	7.95	8.12	8.15	8.27	8.22	8.27	8.15
125	7.84	7.69	7.64	7.48	7.46	7.36	7.40	7.34	7.46	7.45	7.59	7.63	9.82	9.98	10.0	10.1	10.1	10.1	9.97
130	9.61	9.45	9.37	9.21	9.17	9.06	9.11	9.05	9.19	9.18	9.31	9.34	11.7	11.8	11.8	11.9	11.9	11.9	11.7
135	11.3	11.1	11.0	10.8	10.8	10.7	10.7	10.7	10.8	10.8	10.9	11.0	13.5	13.5	13.5	13.6	13.5	13.5	13.4
140	12.8	12.6	12.5	12.3	12.3	12.2	12.2	12.2	12.3	12.3	12.4	12.5	15.0	15.1	15.0	15.0	14.9	14.9	14.7
145	14.2	14.0	13.8	13.7	13.6	13.6	13.6	13.6	13.7	13.7	13.8	13.9	16.4	16.4	16.4	16.3	16.2	16.1	15.9
150	15.6	15.4	15.2	15.1	15.0	15.0	15.0	15.0	15.1	15.1	15.2	15.2	17.7	17.7	17.6	17.6	17.4	17.2	17.1
155	17.2	17.0	16.8	16.6	16.6	16.5	16.6	16.6	16.6	16.6	16.8	16.8	18.9	18.9	18.9	18.8	18.6	18.5	18.3
160	18.8	18.6	18.4	18.2	18.2	18.2	18.2	18.2	18.2	18.3	18.4	18.4	20.3	20.2	20.2	20.1	19.9	19.7	19.5
165	20.3	20.1	19.9	19.8	19.7	19.7	19.8	19.8	19.7	19.7	19.8	19.8	21.4	21.3	21.3	21.1	21.0	20.8	20.6
170	21.4	21.3	21.1	21.0	21.0	21.0	21.0	21.0	20.9	20.9	20.9	20.9	22.3	22.1	22.1	21.9	21.8	21.5	21.3
175	22.2	22.1	21.9	21.9	21.8	21.8	21.8	21.7	21.5	21.4	21.4	21.4	22.7	22.5	22.4	22.3	22.3	22.0	21.8
180	22.6	22.6	22.4	22.4	22.2	22.3	22.0	21.9	21.7	21.7	21.7	21.7	22.8	22.5	22.5	22.3	22.3	22.2	22.1

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:27 MAY 2024

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:120.74V I:2.4449A P:287.51W PF:0.9740 Freq:50.00Hz Lamp Flux:48340.4x1 lm		
NAME: ASD-UHB2A-PRO-300-BK	TYPE:	WEIGHT:
SPEC.: 300W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

Table--2

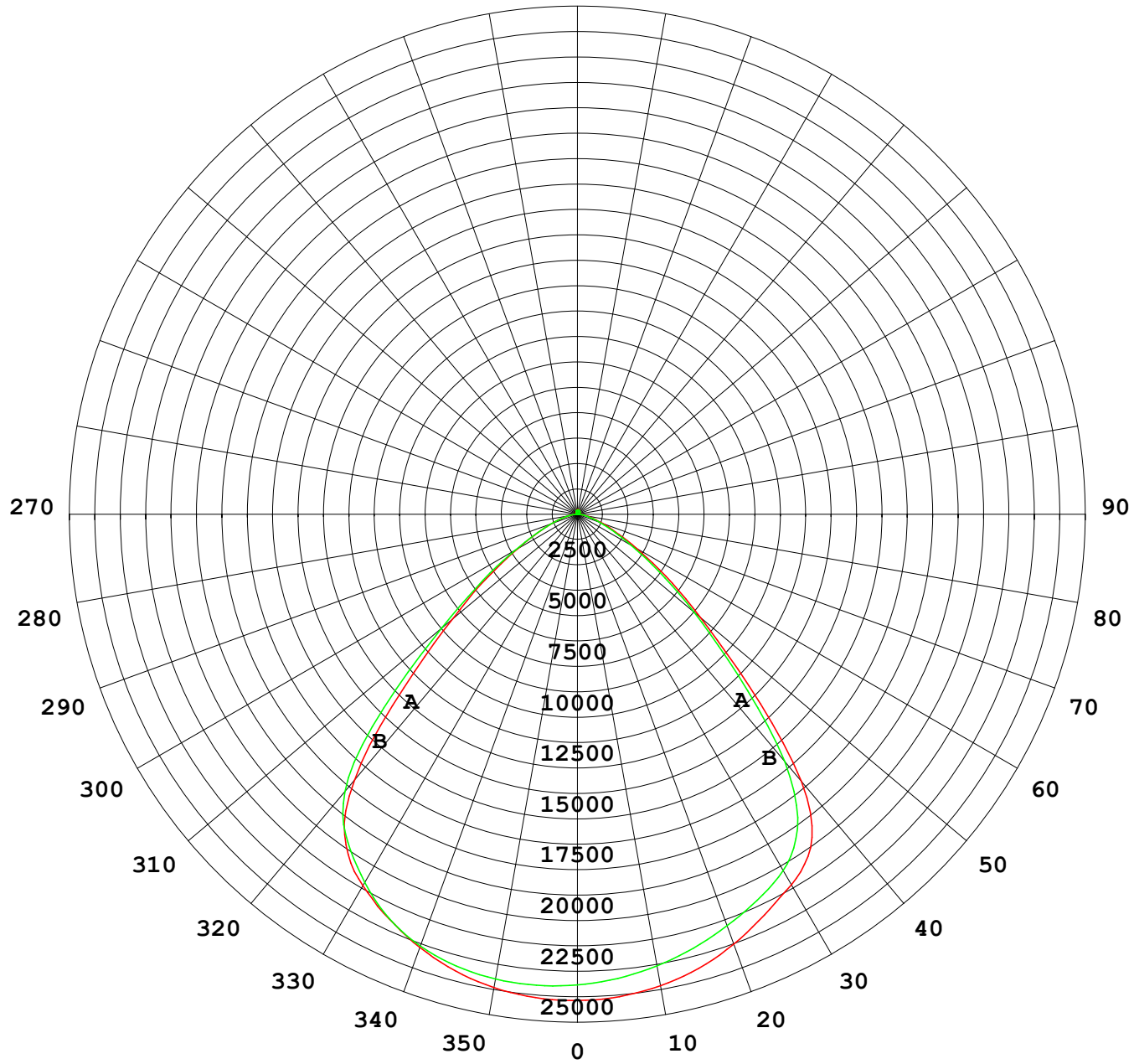
UNIT: X10cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	2308	2302	2296	2292	2287														
5	2285	2282	2279	2279	2278														
10	2250	2249	2247	2251	2254														
15	2204	2204	2203	2209	2214														
20	2149	2150	2148	2154	2158														
25	2090	2089	2086	2089	2090														
30	2017	2016	2010	2012	2007														
35	1875	1882	1880	1892	1888														
40	1568	1589	1593	1628	1642														
45	1103	1121	1118	1162	1180														
50	734	748	740	769	775														
55	480	494	486	505	506														
60	299	312	310	316	320														
65	186	192	194	197	198														
70	116	118	120	123	124														
75	68.2	69.9	71.3	74.1	74.2														
80	36.3	37.5	38.2	40.1	40.3														
85	12.4	13.3	13.1	14.6	14.4														
90	1.88	1.83	1.82	1.80	1.80														
95	2.29	2.22	2.21	2.17	2.18														
100	2.88	2.80	2.78	2.72	2.72														
105	3.74	3.63	3.61	3.52	3.52														
110	4.93	4.79	4.76	4.64	4.64														
115	6.42	6.24	6.21	6.06	6.07														
120	8.13	7.93	7.88	7.73	7.72														
125	9.95	9.72	9.67	9.50	9.50														
130	11.7	11.5	11.4	11.2	11.2														
135	13.3	13.0	13.0	12.8	12.8														
140	14.7	14.4	14.3	14.2	14.2														
145	15.9	15.6	15.5	15.4	15.4														
150	17.0	16.7	16.7	16.6	16.6														
155	18.2	17.9	17.9	17.8	17.8														
160	19.4	19.2	19.1	19.0	19.1														
165	20.4	20.2	20.2	20.1	20.2														
170	21.2	21.0	21.0	20.9	21.0														
175	21.7	21.5	21.5	21.4	21.5														
180	21.9	21.7	21.7	21.7	21.7														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:27 MAY 2024

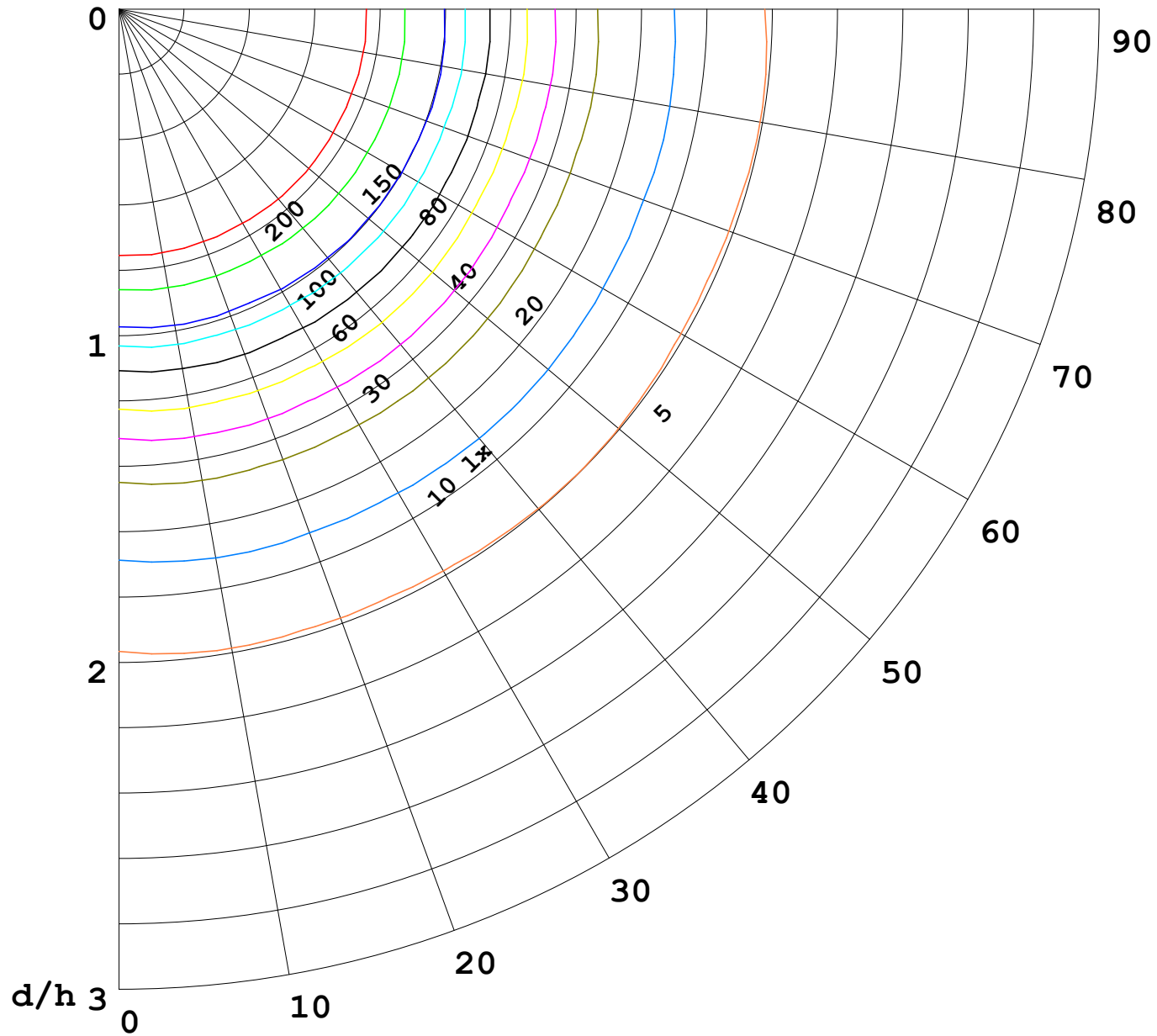
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

I (cd)



1000 lm

$K = 1$



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

