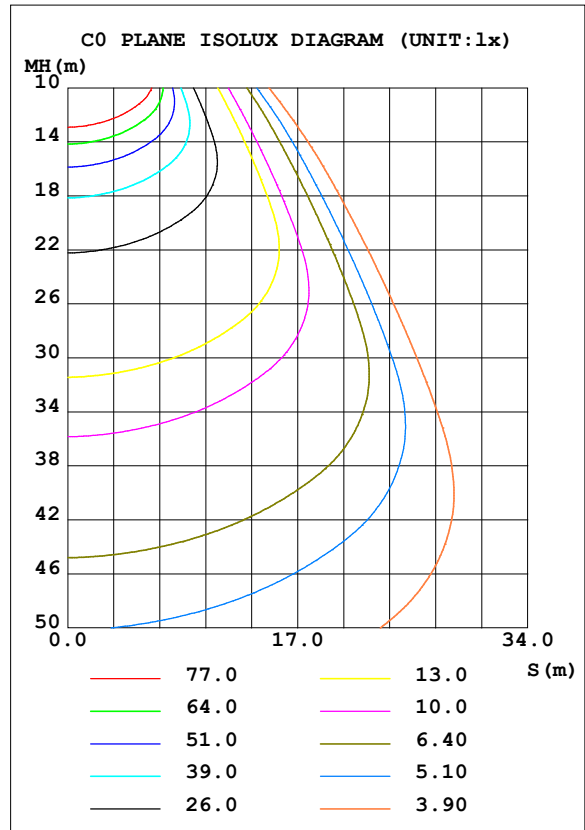
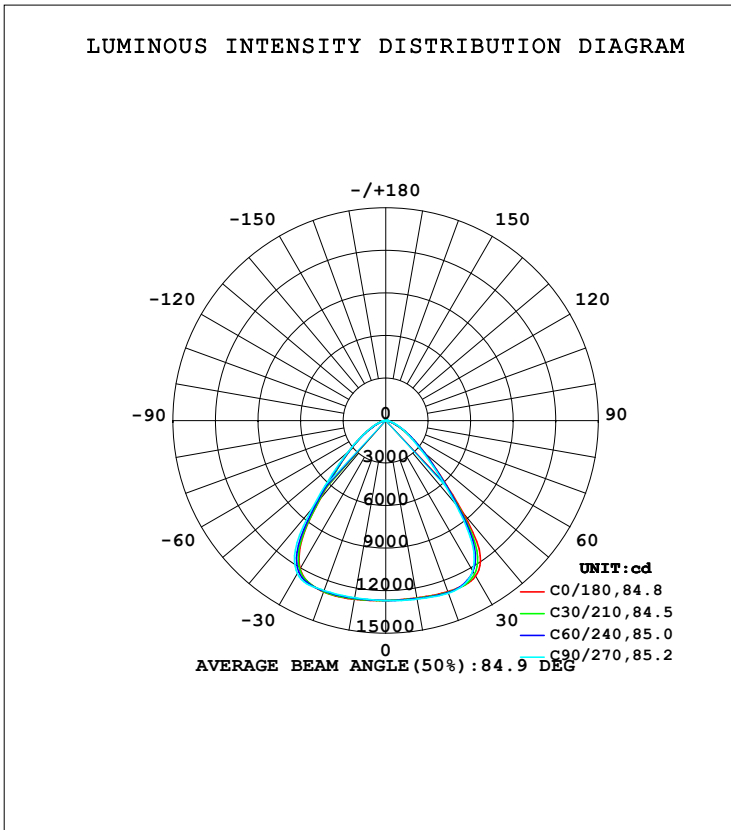


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 175.04 lm/W			
MODEL	ASD-UHB2AHV-PRO-150-BK	I <sub>max</sub> (cd)	12972	S/MH (C0/180)	1.20
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	25392	η UP, DN (C0-180)	0.5, 49.5
NOMINAL FLUX (lm)	25392.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.7, 49.3
LAMPS INSIDE	1	η up (%)	1.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	98.8	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: S  
 Test Date: 2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 8.000m [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	1269	1273	1278	1281	1280	1274	1269	1269	0- 10	1214	1214	4.78,4.78
20	1282	1290	1295	1292	1285	1281	1275	1278	10- 20	3630	4844	19.1,19.1
30	1267	1242	1227	1228	1206	1219	1247	1262	20- 30	5888	10732	42.3,42.3
40	846.3	812.6	762.3	757.0	721.9	732.5	809.5	842.6	30- 40	6628	17360	68.4,68.4
50	364.6	361.6	334.7	335.0	337.5	319.4	353.2	362.8	40- 50	4088	21448	84.5,84.5
60	156.6	166.7	160.3	148.1	153.2	153.5	155.6	154.8	50- 60	2140	23587	92.9,92.9
70	58.71	71.38	68.52	56.61	58.95	65.61	62.89	57.59	60- 70	1030	24617	96.9,96.9
80	17.46	21.76	20.15	16.48	17.69	19.96	19.73	18.08	70- 80	398.9	25016	98.5,98.5
90	0.2007	0.1984	0.2104	0.2096	1.756	1.762	1.745	1.742	80- 90	80.07	25096	98.8,98.8
100	0.5414	0.5338	0.5672	0.5620	2.211	2.222	2.183	2.166	90-100	12.54	25109	98.9,98.9
110	1.273	1.269	1.361	1.383	3.067	3.060	2.990	2.968	100-110	18.25	25127	99,99
120	2.705	2.739	2.916	2.989	4.566	4.502	4.375	4.356	110-120	28.16	25155	99.1,99.1
130	4.757	4.830	5.049	5.139	6.546	6.445	6.286	6.257	120-130	41.35	25196	99.2,99.2
140	6.895	6.995	7.197	7.278	8.421	8.315	8.154	8.139	130-140	51.64	25248	99.4,99.4
150	8.705	8.761	8.908	9.004	9.813	9.725	9.604	9.602	140-150	53.24	25301	99.6,99.6
160	10.36	10.43	10.60	10.70	11.20	11.08	10.96	10.92	150-160	46.05	25347	99.8,99.8
170	12.28	12.33	12.44	12.50	12.71	12.62	12.54	12.51	160-170	32.79	25380	100,100
180	13.24	13.25	13.23	13.24	13.28	13.21	13.24	13.22	170-180	12.27	25392	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 19730 lm

%lum = 77.7%

%lamp = 77.7%

Conical surface Flux(130deg): 24208 lm

%lum = 95.3%

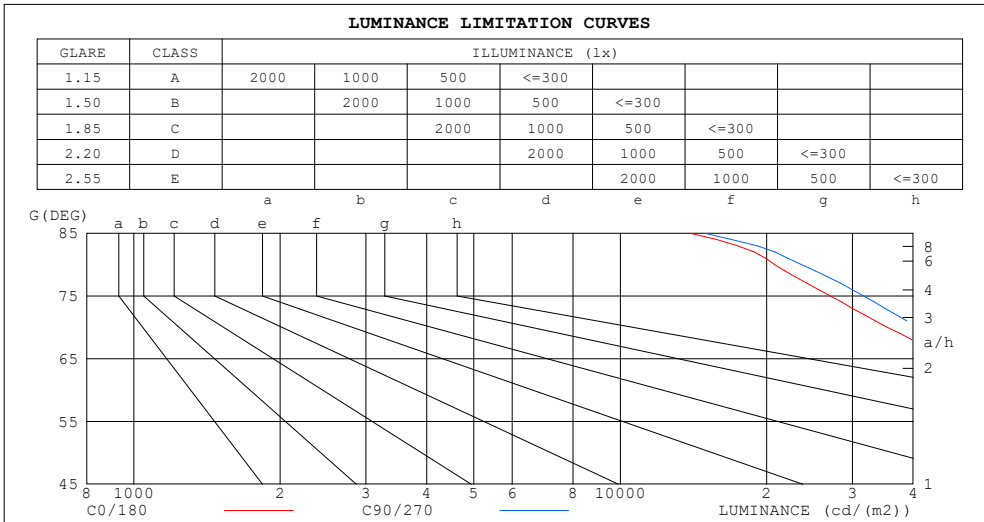
%lamp = 95.3%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13930	14933
80	20757	23602
75	27050	31666
70	35434	40749
65	47762	52109
60	64640	65194
55	87258	81503
50	117099	105897
45	159156	146141

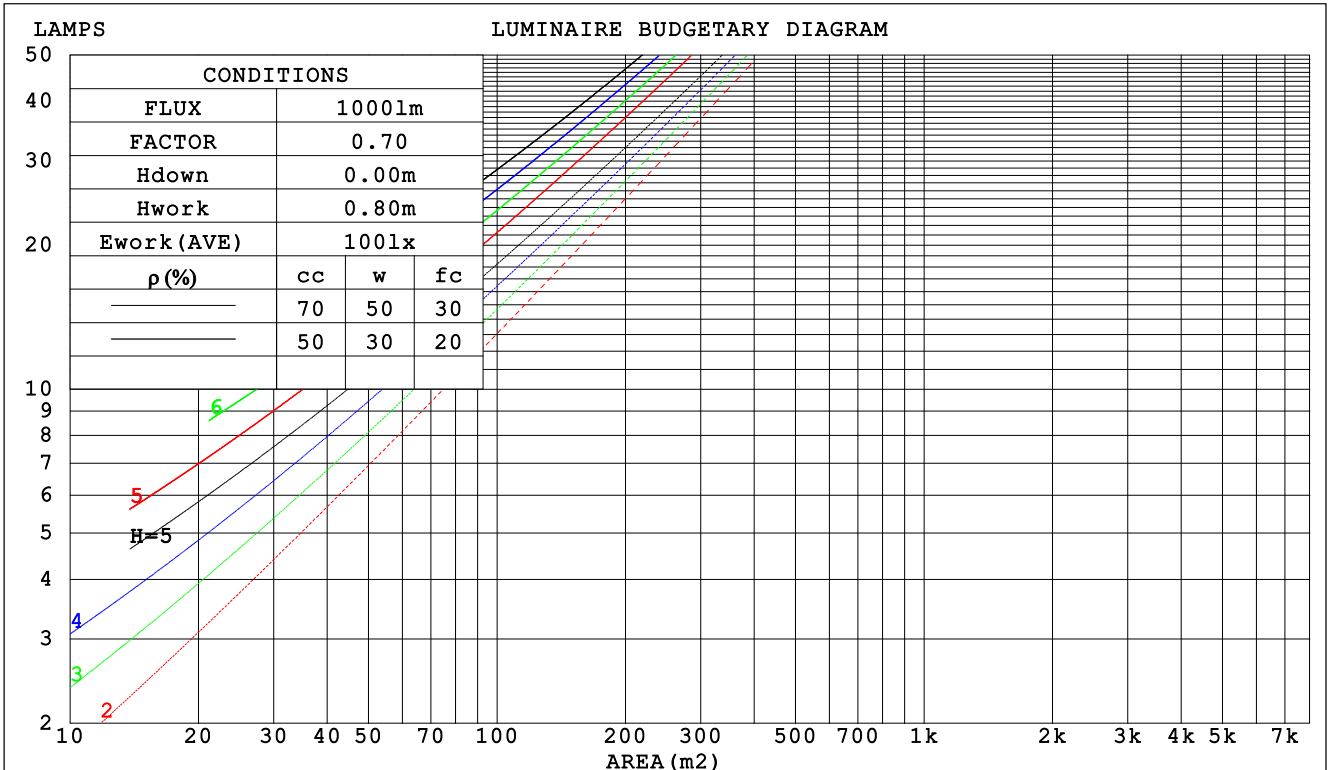
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*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	1.10	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	.90	1.01	.99	.97	.97	.95	.94	.93	.92	.91	.89
2.0	.97	.92	.88	.95	.91	.87	.92	.88	.84	.89	.85	.82	.86	.83	.80	.79
3.0	.88	.82	.76	.87	.81	.76	.84	.78	.74	.81	.77	.73	.78	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.70	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.65	.60	.72	.65	.60	.70	.64	.59	.68	.62	.58	.66	.61	.58	.56
6.0	.67	.59	.54	.66	.59	.53	.64	.58	.53	.62	.57	.52	.61	.56	.52	.50
7.0	.61	.54	.48	.60	.53	.48	.59	.53	.48	.58	.52	.48	.56	.51	.47	.45
8.0	.57	.49	.44	.56	.49	.44	.54	.48	.44	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.51	.44	.40	.49	.44	.40	.48	.43	.39	.38
10.0	.49	.41	.37	.48	.41	.37	.47	.41	.37	.46	.40	.36	.45	.40	.36	.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*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	.230	.131	.041	.223	.127	.040	.209	.120	.038	.197	.114	.036	.185	.107	.035	
2.0	.223	.122	.037	.217	.119	.037	.205	.114	.035	.194	.109	.034	.184	.104	.033	
3.0	.212	.113	.034	.207	.111	.033	.197	.107	.032	.187	.103	.031	.178	.099	.031	
4.0	.201	.104	.031	.196	.103	.030	.187	.099	.030	.179	.096	.029	.171	.093	.028	
5.0	.190	.097	.028	.186	.095	.028	.178	.093	.027	.170	.090	.027	.163	.087	.026	
6.0	.180	.090	.026	.176	.089	.026	.169	.087	.025	.162	.084	.025	.156	.082	.024	
7.0	.170	.084	.024	.167	.083	.024	.160	.081	.023	.154	.079	.023	.149	.077	.023	
8.0	.161	.079	.022	.158	.078	.022	.152	.076	.022	.147	.074	.021	.142	.073	.021	
9.0	.153	.074	.021	.150	.073	.021	.145	.072	.020	.140	.070	.020	.136	.069	.020	
10.0	.146	.070	.019	.143	.069	.019	.138	.068	.019	.134	.066	.019	.130	.065	.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	.166	.150	.157	.142	.129	.108	.098	.089	.062	.057	.052	.020	.018	.017	
2.0	.172	.141	.115	.147	.122	.100	.101	.084	.070	.058	.049	.041	.019	.016	.013	
3.0	.162	.123	.092	.139	.106	.079	.096	.074	.056	.055	.043	.033	.018	.014	.011	
4.0	.154	.109	.075	.132	.094	.065	.091	.066	.046	.053	.038	.027	.017	.013	.009	
5.0	.147	.098	.062	.126	.085	.054	.087	.059	.038	.050	.035	.023	.016	.011	.007	
6.0	.140	.089	.053	.120	.077	.046	.083	.054	.033	.048	.032	.019	.016	.010	.006	
7.0	.134	.082	.046	.115	.071	.040	.079	.050	.029	.046	.029	.017	.015	.010	.006	
8.0	.128	.076	.041	.110	.066	.036	.076	.047	.025	.044	.027	.015	.014	.009	.005	
9.0	.123	.072	.037	.106	.062	.032	.073	.044	.023	.043	.026	.014	.014	.008	.005	
10.0	.118	.067	.034	.102	.058	.029	.071	.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:2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz										
Lamp Flux:25392.3x1 lm										
NAME: ASD-UHB2AHV-PRO-150-BK					TYPE:			WEIGHT:		
SPEC.: 150W 5000K					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 125*125*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	25.1	26.4	25.5	26.8	27.1	24.6	25.9	25.0	26.2	26.6
3H	26.0	27.1	26.4	27.5	27.8	25.2	26.3	25.6	26.7	27.1
4H	26.2	27.2	26.6	27.6	28.0	25.4	26.4	25.8	26.8	27.2
6H	26.3	27.2	26.7	27.6	28.0	25.5	26.5	25.9	26.8	27.3
8H	26.3	27.2	26.7	27.6	28.0	25.5	26.4	25.9	26.8	27.3
12H	26.2	27.1	26.7	27.5	28.0	25.5	26.4	25.9	26.8	27.2
4H 2H	25.4	26.4	25.8	26.8	27.2	24.8	25.8	25.2	26.2	26.6
3H	26.3	27.1	26.7	27.6	28.0	25.6	26.5	26.0	26.9	27.3
4H	26.5	27.3	27.0	27.8	28.2	25.8	26.6	26.3	27.1	27.5
6H	26.7	27.4	27.2	27.8	28.3	26.0	26.7	26.5	27.1	27.6
8H	26.7	27.4	27.2	27.8	28.3	26.0	26.6	26.5	27.1	27.6
12H	26.7	27.3	27.2	27.8	28.3	26.0	26.6	26.5	27.1	27.6
8H 4H	26.6	27.2	27.1	27.7	28.2	25.9	26.5	26.4	27.0	27.5
6H	26.8	27.3	27.3	27.8	28.3	26.1	26.6	26.6	27.1	27.6
8H	26.8	27.3	27.4	27.8	28.3	26.1	26.6	26.6	27.1	27.6
12H	26.8	27.2	27.4	27.8	28.4	26.1	26.5	26.7	27.0	27.6
12H 4H	26.5	27.1	27.0	27.6	28.1	25.8	26.4	26.3	26.9	27.4
6H	26.8	27.2	27.3	27.7	28.3	26.0	26.5	26.6	27.0	27.6
8H	26.8	27.2	27.4	27.7	28.3	26.1	26.5	26.6	27.0	27.6
CIE190: 2010										

CIE190: 2010  
Area: 0.04906 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2024-5-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:

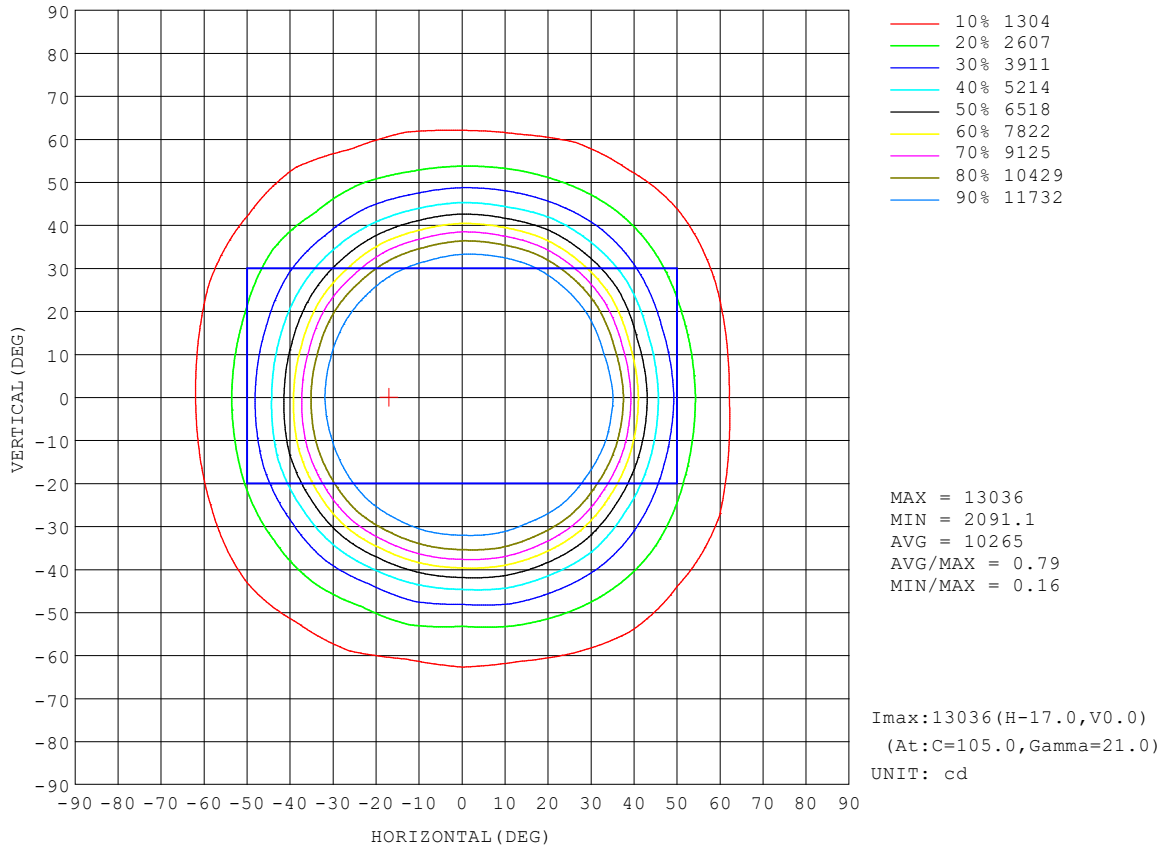
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	72	62	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	78	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	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:2024-5-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:

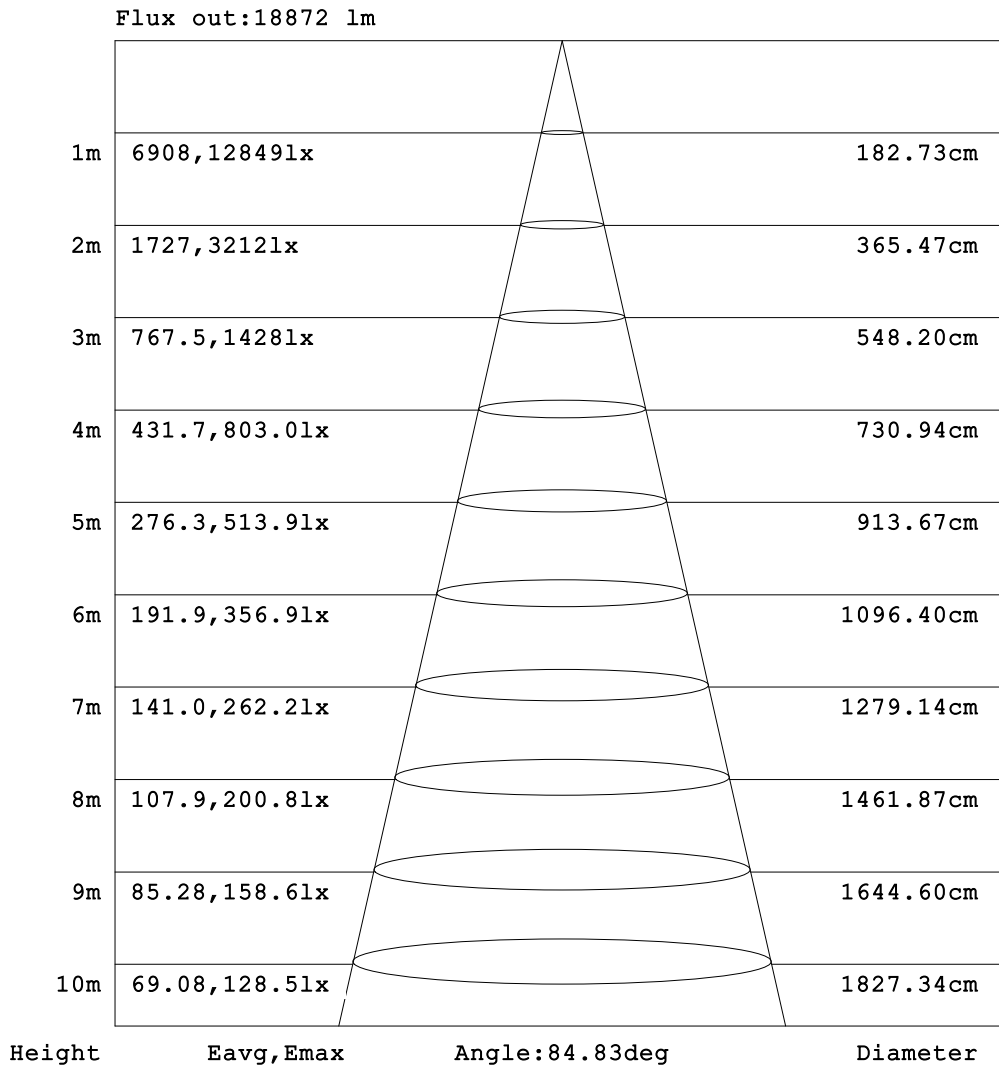


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:



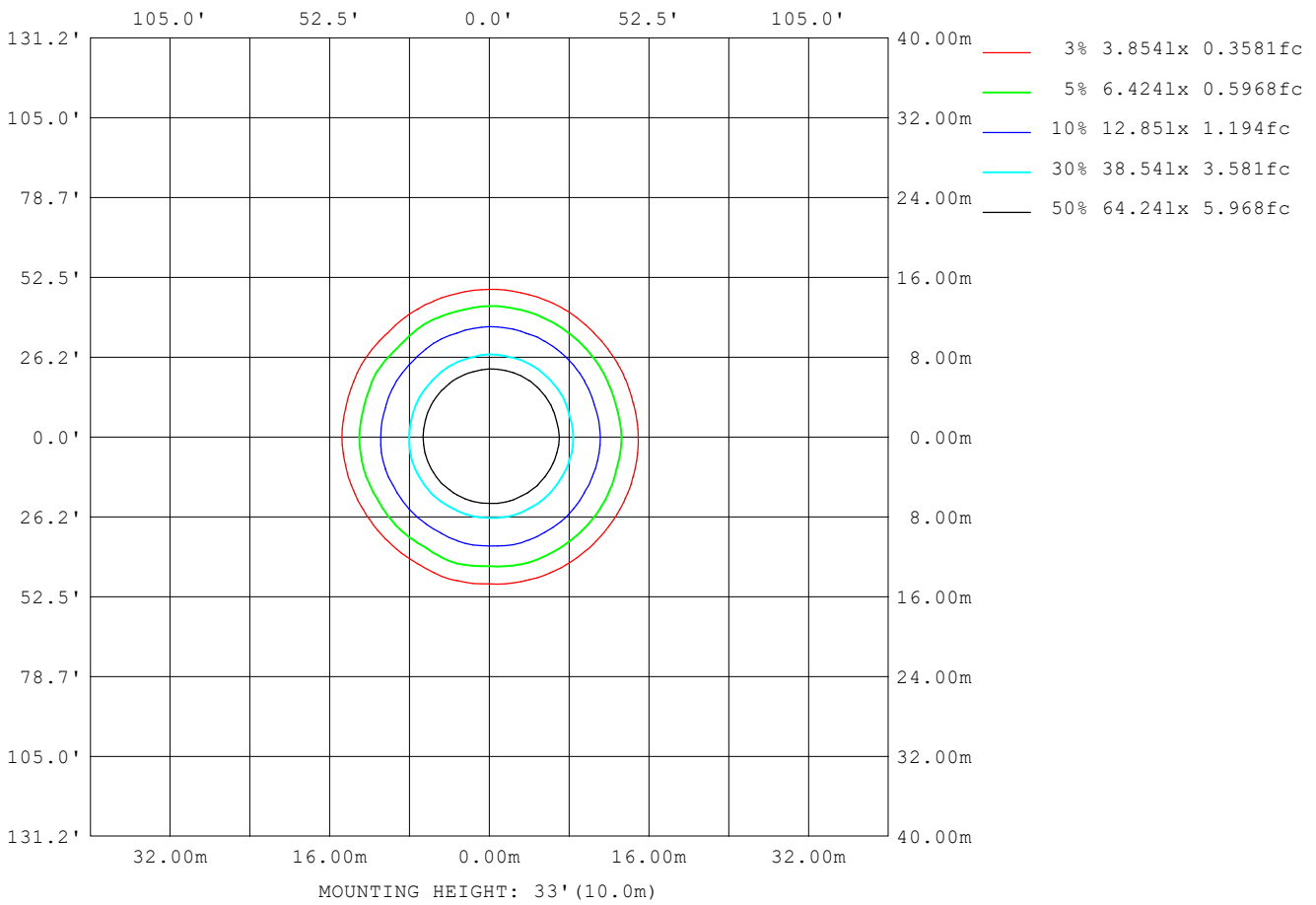
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2024-5-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:

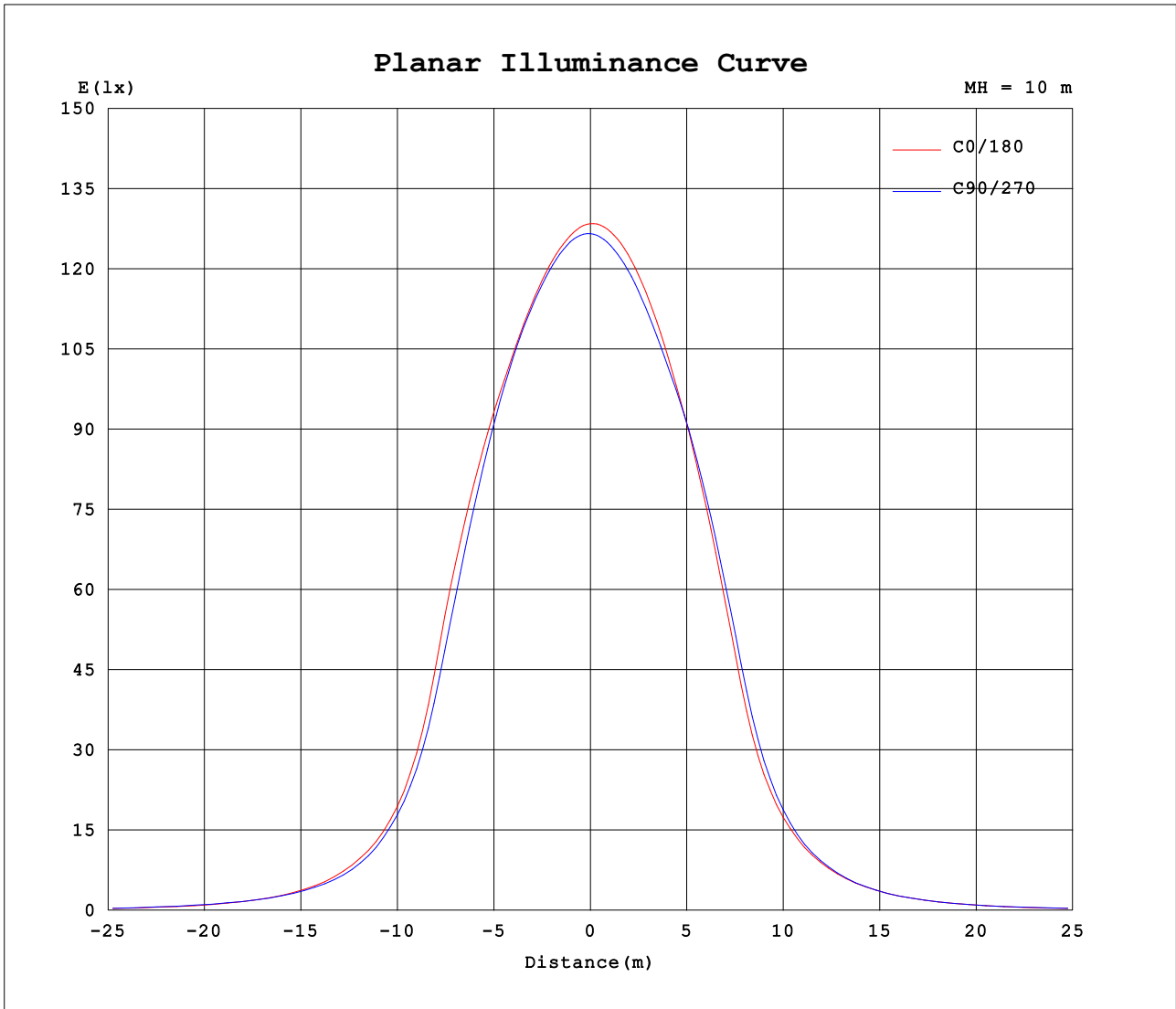
AvgL	cd/m2
L_0~180 (65) av	46992
L_0~180 (75) av	26749
L_0~180 (85) av	14482
L_90~270 (65) av	50408
L_90~270 (75) av	30455
L_90~270 (85) av	14507
L_45 (65) av	49056
L_45 (75) av	28924
L_45 (85) av	14998

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [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: 2024-5-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*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	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269
5	1267	1268	1268	1269	1271	1272	1273	1273	1274	1274	1274	1273	1273	1272	1271	1270	1269	1268	1267
10	1269	1271	1272	1273	1275	1277	1278	1279	1280	1281	1281	1280	1280	1279	1276	1274	1272	1270	1269
15	1276	1278	1280	1282	1283	1285	1287	1287	1287	1287	1287	1286	1286	1285	1282	1279	1276	1274	1272
20	1282	1285	1287	1290	1290	1293	1295	1297	1295	1292	1288	1287	1285	1283	1283	1281	1278	1276	1275
25	1287	1288	1287	1284	1280	1282	1286	1288	1285	1281	1275	1273	1267	1266	1268	1270	1274	1277	1280
30	1267	1265	1251	1242	1229	1231	1227	1232	1225	1228	1221	1221	1206	1207	1213	1219	1230	1235	1247
35	1163	1154	1123	1117	1091	1089	1066	1063	1057	1070	1063	1067	1036	1031	1048	1052	1074	1085	1111
40	846	843	812	813	795	789	762	754	739	757	748	761	722	710	729	733	765	775	810
45	545	542	526	543	532	534	508	503	488	493	492	512	487	482	488	489	504	512	534
50	365	353	360	362	359	361	335	351	319	335	325	343	338	325	339	319	344	339	353
55	242	243	247	246	246	242	230	237	222	224	223	231	231	225	230	220	230	231	236
60	157	169	161	167	166	158	160	153	157	148	152	153	153	154	149	154	146	157	156
65	97.8	115	100	112	107	101	108	94.3	107	94.0	102	97.7	97.1	104	90.3	104	89.9	104	101
70	58.7	72.7	58.0	71.4	64.8	62.3	68.5	55.3	67.7	56.6	63.6	59.6	58.9	65.5	53.7	65.6	54.5	64.6	62.9
75	33.9	43.0	33.0	42.3	37.0	36.6	40.3	32.3	39.5	32.6	36.3	34.4	34.0	38.4	31.8	38.5	32.1	37.9	37.0
80	17.5	21.9	17.0	21.8	18.6	19.0	20.2	16.7	19.8	16.5	18.2	17.6	17.7	19.7	16.7	20.0	17.4	19.1	19.7
85	5.88	7.13	5.68	7.13	6.07	6.63	6.40	5.89	6.29	5.62	5.76	5.95	6.50	6.79	6.06	6.62	6.38	6.16	6.01
90	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1.76	1.76	1.76	1.76	1.75	1.76	1.75
95	0.34	0.33	0.34	0.33	0.34	0.34	0.35	0.34	0.36	0.35	0.36	0.35	1.94	1.95	1.94	1.95	1.94	1.94	1.92
100	0.54	0.54	0.54	0.53	0.55	0.54	0.57	0.55	0.58	0.56	0.58	0.56	2.21	2.22	2.20	2.22	2.20	2.21	2.18
105	0.84	0.84	0.84	0.84	0.86	0.86	0.89	0.88	0.90	0.89	0.90	0.89	2.57	2.57	2.56	2.58	2.56	2.57	2.53
110	1.27	1.26	1.28	1.27	1.31	1.30	1.36	1.36	1.39	1.38	1.40	1.36	3.07	3.06	3.04	3.06	3.03	3.05	2.99
115	1.89	1.87	1.91	1.90	1.96	1.96	2.04	2.04	2.09	2.08	2.10	2.05	3.73	3.72	3.68	3.70	3.66	3.67	3.60
120	2.70	2.69	2.75	2.74	2.82	2.83	2.92	2.93	2.99	2.99	3.01	2.95	4.57	4.55	4.50	4.50	4.45	4.45	4.38
125	3.68	3.68	3.74	3.74	3.82	3.85	3.95	3.96	4.04	4.03	4.06	4.00	5.53	5.51	5.45	5.44	5.37	5.37	5.30
130	4.76	4.75	4.82	4.83	4.92	4.95	5.05	5.07	5.16	5.14	5.17	5.11	6.55	6.54	6.46	6.45	6.36	6.35	6.29
135	5.85	5.86	5.92	5.94	6.02	6.05	6.15	6.18	6.26	6.25	6.27	6.23	7.54	7.53	7.45	7.43	7.34	7.33	7.26
140	6.89	6.92	6.97	7.00	7.07	7.10	7.20	7.21	7.29	7.28	7.30	7.27	8.42	8.40	8.35	8.31	8.23	8.21	8.15
145	7.85	7.87	7.91	7.93	7.99	8.03	8.11	8.13	8.19	8.19	8.22	8.19	9.17	9.16	9.12	9.08	9.01	8.98	8.93
150	8.70	8.72	8.75	8.76	8.81	8.84	8.91	8.94	8.99	9.00	9.03	9.02	9.81	9.79	9.76	9.73	9.68	9.65	9.60
155	9.52	9.52	9.54	9.56	9.61	9.65	9.71	9.75	9.80	9.81	9.84	9.81	10.4	10.4	10.4	10.3	10.3	10.3	10.2
160	10.4	10.4	10.4	10.4	10.5	10.5	10.6	10.6	10.7	10.7	10.7	10.7	11.2	11.2	11.1	11.1	11.0	11.0	11.0
165	11.3	11.3	11.4	11.4	11.5	11.5	11.6	11.6	11.6	11.6	11.7	11.6	12.0	12.0	11.9	11.9	11.9	11.8	11.8
170	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.7	12.7	12.7	12.6	12.6	12.6	12.5
175	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.0	13.0
180	13.2	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.3	13.2	13.3	13.2	13.2	13.2	13.2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:280.66V I:0.5177A P:145.07W PF:0.9984 Freq:49.97Hz Lamp Flux:25392.3x1 lm		
NAME: ASD-UHB2AHV-PRO-150-BK	TYPE:	WEIGHT:
SPEC.: 150W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 125*125*3.14	Shielding Angle:

Table--2

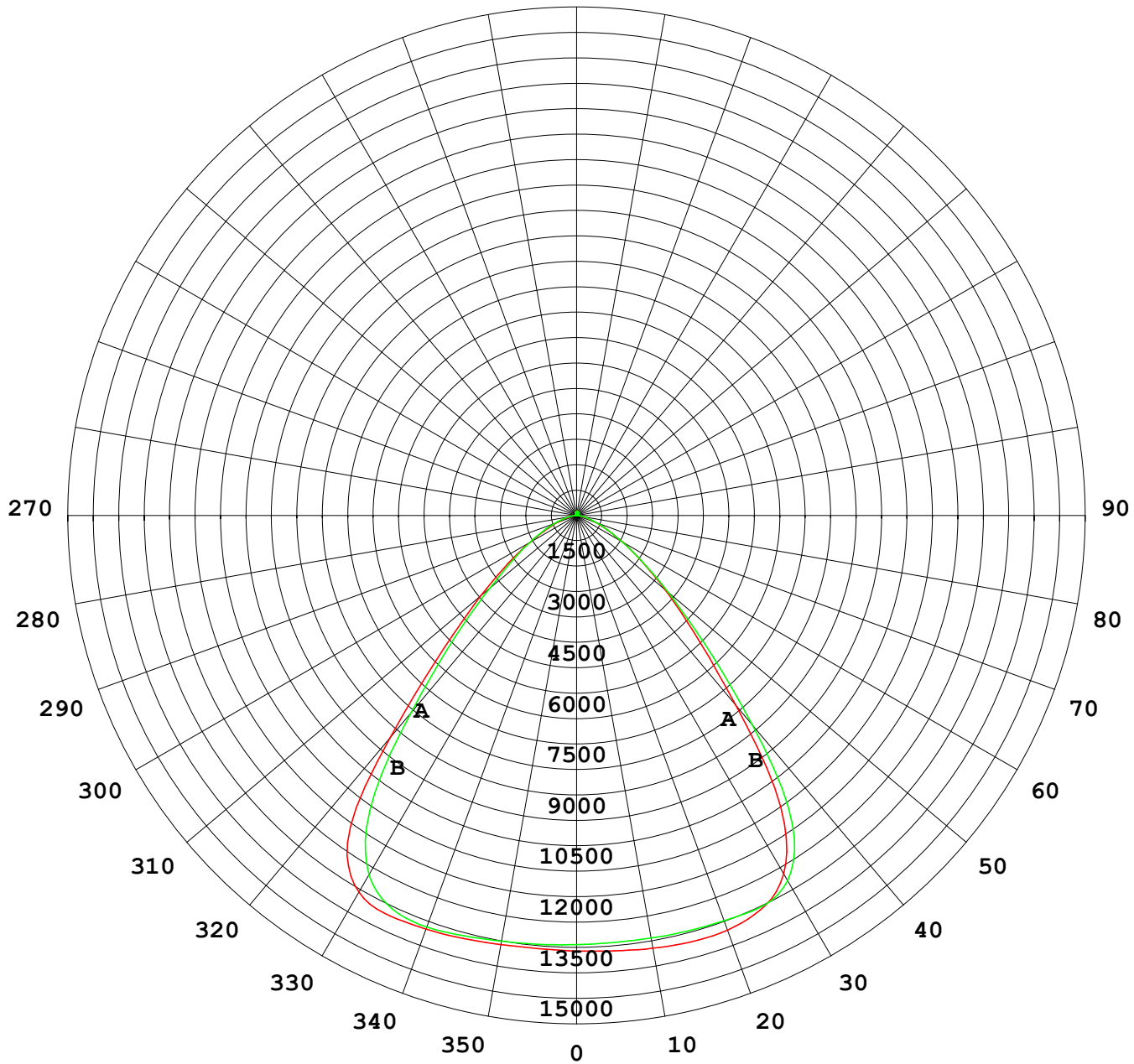
UNIT: X10cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	1269	1269	1269	1269	1269														
5	1267	1266	1266	1267	1267														
10	1268	1268	1269	1269	1270														
15	1272	1272	1274	1275	1277														
20	1274	1276	1278	1280	1282														
25	1280	1280	1281	1282	1284														
30	1255	1262	1262	1265	1262														
35	1127	1149	1157	1165	1160														
40	815	845	843	857	835														
45	532	554	548	556	535														
50	356	357	363	359	352														
55	237	240	238	239	238														
60	156	163	155	160	162														
65	97.8	109	97.2	105	105														
70	58.6	69.3	57.6	65.4	64.5														
75	33.9	40.9	33.4	38.5	37.6														
80	18.1	21.3	18.1	20.4	19.8														
85	5.70	7.20	6.27	7.24	6.89														
90	1.75	1.74	1.74	1.73	1.74														
95	1.93	1.91	1.92	1.91	1.92														
100	2.18	2.17	2.17	2.16	2.17														
105	2.53	2.51	2.50	2.50	2.52														
110	2.99	2.95	2.97	2.96	2.99														
115	3.60	3.55	3.58	3.56	3.60														
120	4.39	4.32	4.36	4.32	4.37														
125	5.30	5.24	5.27	5.23	5.28														
130	6.29	6.24	6.26	6.22	6.27														
135	7.27	7.22	7.24	7.21	7.25														
140	8.16	8.12	8.14	8.12	8.14														
145	8.93	8.90	8.92	8.91	8.93														
150	9.60	9.57	9.60	9.58	9.61														
155	10.2	10.2	10.2	10.2	10.2														
160	10.9	10.9	10.9	10.9	10.9														
165	11.8	11.7	11.7	11.7	11.8														
170	12.5	12.5	12.5	12.5	12.5														
175	13.0	13.0	13.0	13.0	13.0														
180	13.2	13.2	13.2	13.2	13.2														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2024-5-27

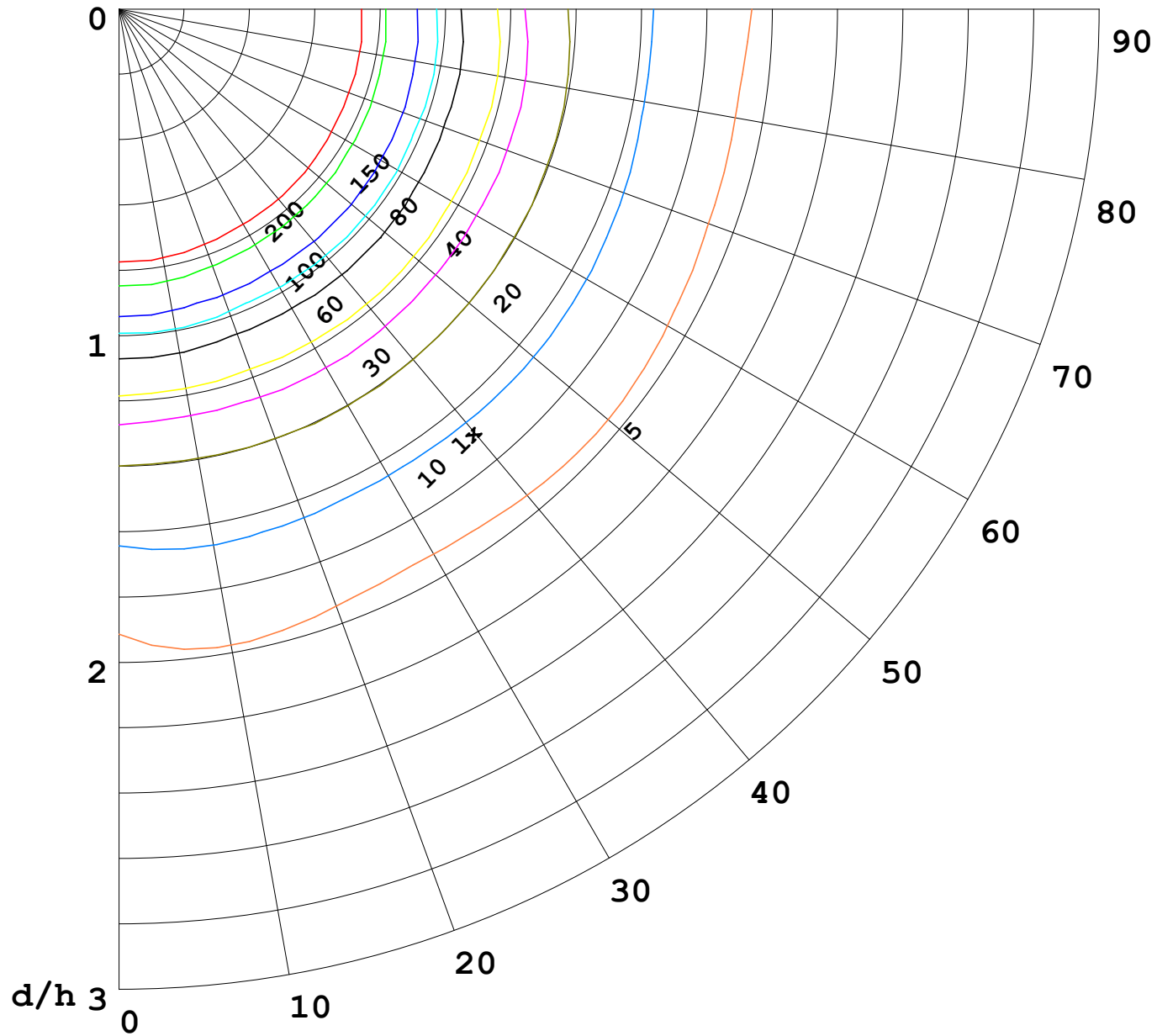
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

I (cd)



1000 lm

$K = 1$



F = 1000 lm  
 K = 0.7  
 Hcc = 0.8 m  
 Hfc = 0.0 m  
 Eave = 100 lx

—————	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

