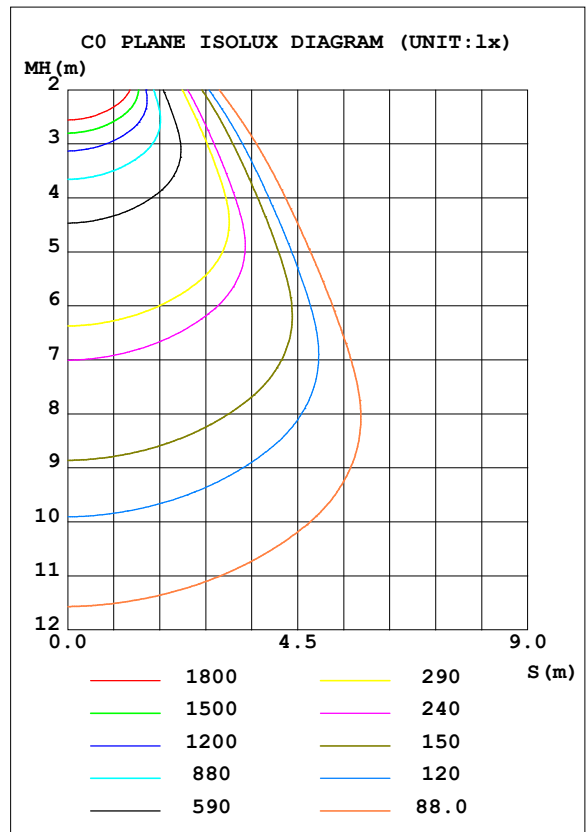
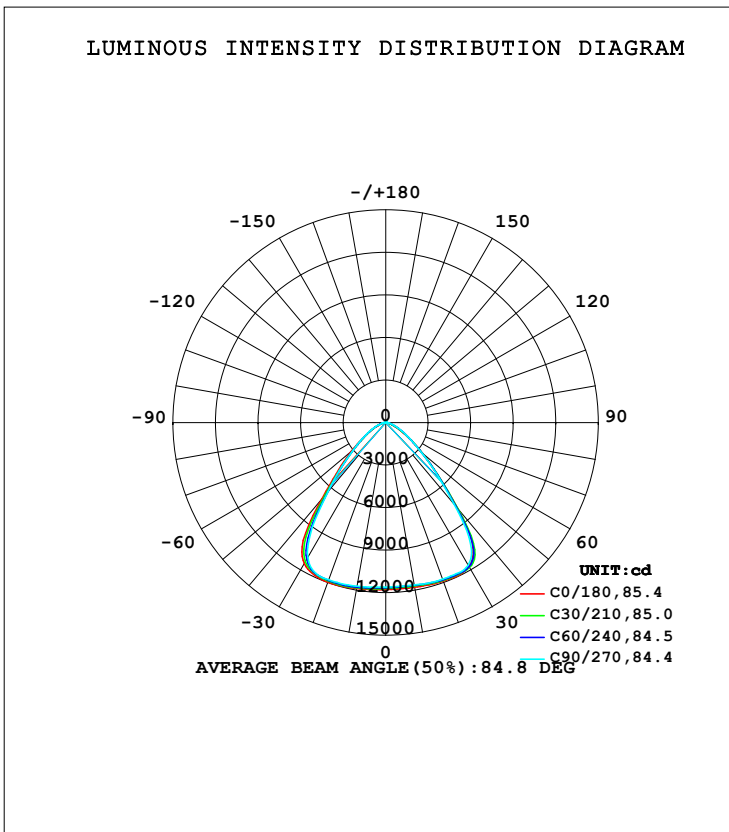


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz		
Lamp Flux:23281.6x1 lm		
NAME: ASD-UHB2-150A50-BK		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.16 lm/W			
MODE/ASD-UHB2-150A50-BK		I _{max} (cd)	11979	S/MH (C0/180)	1.21
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	23282	η UP, DN (C0-180)	0.5, 50.9
NOMINAL FLUX (lm)	23282	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.7, 48.0
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: 24 DEC 2023

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:

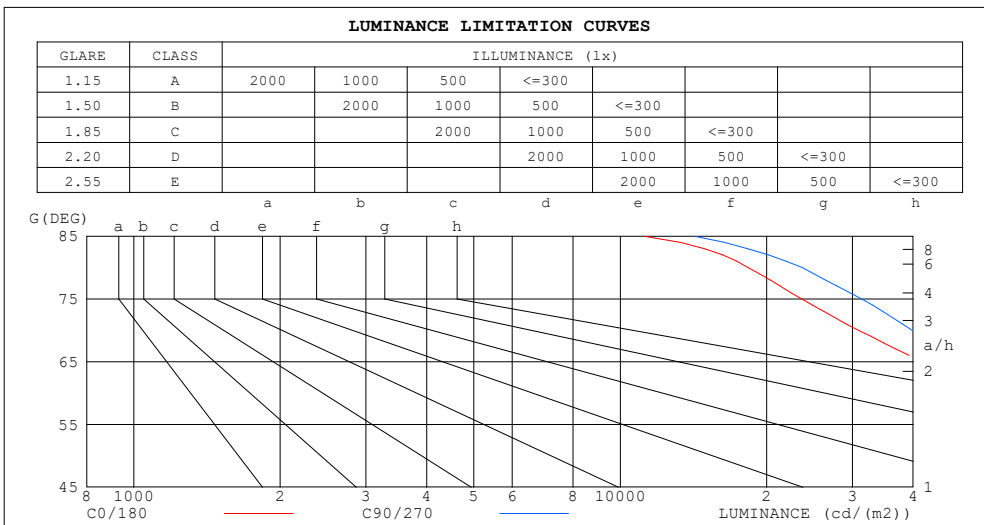
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1179	1168	1163	1161	1188	1181	1172	1162	0- 10	1113	1113	4.78,4.78
20	1190	1183	1175	1171	1198	1186	1180	1170	10- 20	3333	4446	19.1,19.1
30	1171	1180	1162	1148	1149	1121	1100	1120	20- 30	5414	9860	42.4,42.4
40	783.3	794.3	748.0	726.4	700.9	639.5	633.3	649.9	30- 40	6076	15936	68.5,68.5
50	340.1	341.1	331.6	317.4	321.3	290.9	296.9	303.5	40- 50	3707	19644	84.4,84.4
60	140.6	154.3	154.7	153.5	136.0	136.0	144.9	136.3	50- 60	1966	21610	92.8,92.8
70	51.81	59.58	66.90	64.37	51.39	55.49	62.73	52.93	60- 70	950.8	22561	96.9,96.9
80	15.61	18.05	20.17	19.77	16.43	17.88	19.47	16.44	70- 80	374.0	22935	98.5,98.5
90	0.1899	0.1854	0.1795	0.1828	1.646	1.636	1.630	1.619	80- 90	76.19	23011	98.8,98.8
100	0.5099	0.4881	0.4968	0.4894	2.049	2.053	2.049	2.031	90-100	11.61	23023	98.9,98.9
110	1.200	1.138	1.155	1.155	2.831	2.834	2.805	2.778	100-110	16.77	23039	99,99
120	2.577	2.427	2.425	2.470	4.181	4.221	4.128	4.082	110-120	25.62	23065	99.1,99.1
130	4.494	4.308	4.276	4.355	6.000	6.044	5.919	5.841	120-130	37.55	23103	99.2,99.2
140	6.457	6.274	6.224	6.303	7.725	7.743	7.619	7.528	130-140	46.89	23150	99.4,99.4
150	8.097	7.940	7.886	7.909	9.087	9.026	8.909	8.821	140-150	48.38	23198	99.6,99.6
160	9.727	9.556	9.464	9.489	10.45	10.40	10.23	10.14	150-160	42.09	23240	99.8,99.8
170	11.51	11.32	11.25	11.28	11.89	11.82	11.69	11.58	160-170	30.23	23270	100,100
180	12.39	12.30	12.20	12.14	12.43	12.28	12.21	12.13	170-180	11.32	23282	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:24 DEC 2023

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:

LUMINANCE LIMITATION CURVES

Test:U:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz	
Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
MFR.: ASD LIGHTING CORP	



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11190	14213
80	18320	23682
75	23629	31371
70	30875	39871
65	41845	50422
60	57302	63057
55	77956	80074
50	107849	105156
45	146980	145125

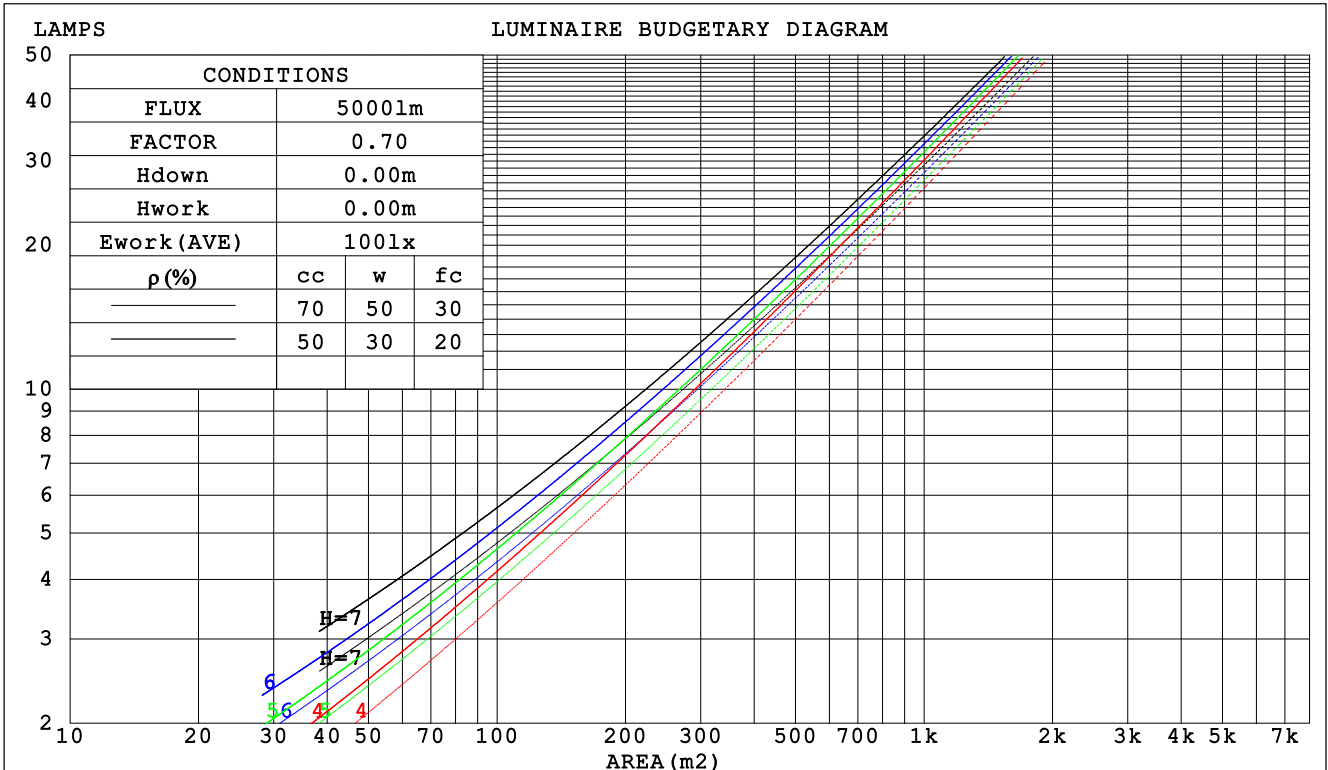
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:24 DEC 2023

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:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz	
Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
MFR.: ASD LIGHTING CORP	

ρcc	80%			70%			50%			30%			10%			0
	ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
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	.93	.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	.86	.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	.42	.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:24 DEC 2023

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:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz															
Lamp Flux:23281.6x1 lm															
NAME: ASD-UHB2-150A50-BK															
MFR.: ASD LIGHTING CORP															

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	.186	.108	.035	
2.0	.223	.122	.038	.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	.145	.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	.091	.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	.071	.037	.106	.062	.032	.073	.044	.023	.043	.026	.014	.014	.008	.005	
10.0	.118	.067	.034	.102	.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:24 DEC 2023

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:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz										
Lamp Flux:23281.6x1 lm										
NAME: ASD-UHB2-150A50-BK										
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	26.7	24.9	26.1	25.2	26.5	26.8
3H	25.6	26.7	26.0	27.1	27.4	25.6	26.7	26.0	27.1	27.4
4H	25.8	26.8	26.2	27.2	27.6	25.8	26.8	26.2	27.2	27.6
6H	25.8	26.8	26.3	27.2	27.6	25.9	26.8	26.3	27.2	27.7
8H	25.8	26.7	26.3	27.2	27.6	25.9	26.8	26.3	27.2	27.6
12H	25.8	26.7	26.3	27.1	27.6	25.9	26.7	26.3	27.1	27.6
4H 2H	25.0	26.0	25.4	26.4	26.8	25.1	26.2	25.5	26.5	27.0
3H	25.9	26.7	26.3	27.2	27.6	25.9	26.8	26.4	27.2	27.7
4H	26.1	26.9	26.6	27.3	27.8	26.2	27.0	26.7	27.4	27.9
6H	26.3	27.0	26.8	27.4	27.9	26.4	27.0	26.8	27.5	28.0
8H	26.3	26.9	26.8	27.4	27.9	26.4	27.0	26.9	27.5	28.0
12H	26.3	26.8	26.8	27.3	27.8	26.4	26.9	26.9	27.4	27.9
8H 4H	26.2	26.8	26.6	27.2	27.7	26.2	26.8	26.7	27.3	27.8
6H	26.4	26.9	26.9	27.4	27.9	26.4	26.9	27.0	27.5	28.0
8H	26.4	26.8	26.9	27.4	27.9	26.5	26.9	27.0	27.5	28.0
12H	26.4	26.8	26.9	27.3	27.9	26.5	26.9	27.0	27.4	28.0
12H 4H	26.1	26.7	26.6	27.2	27.7	26.2	26.7	26.7	27.2	27.8
6H	26.3	26.8	26.9	27.3	27.8	26.4	26.9	27.0	27.4	27.9
8H	26.4	26.8	26.9	27.3	27.9	26.5	26.9	27.0	27.4	28.0
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:24 DEC 2023

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:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz	
Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
MFR.: ASD LIGHTING CORP	

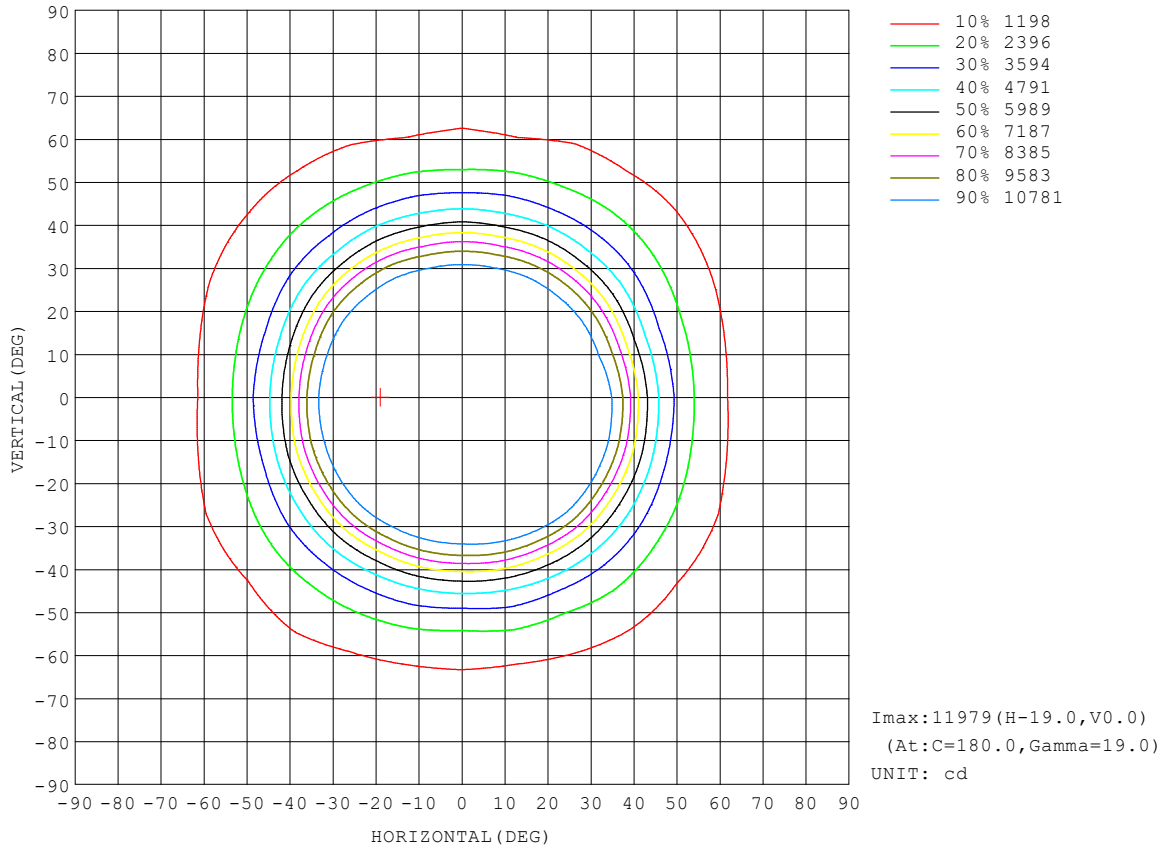
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	72	63	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	79	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:24 DEC 2023

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:

ISOCANDELA DIAGRAM

Test:U:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz	
Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
MFR.: ASD LIGHTING CORP	

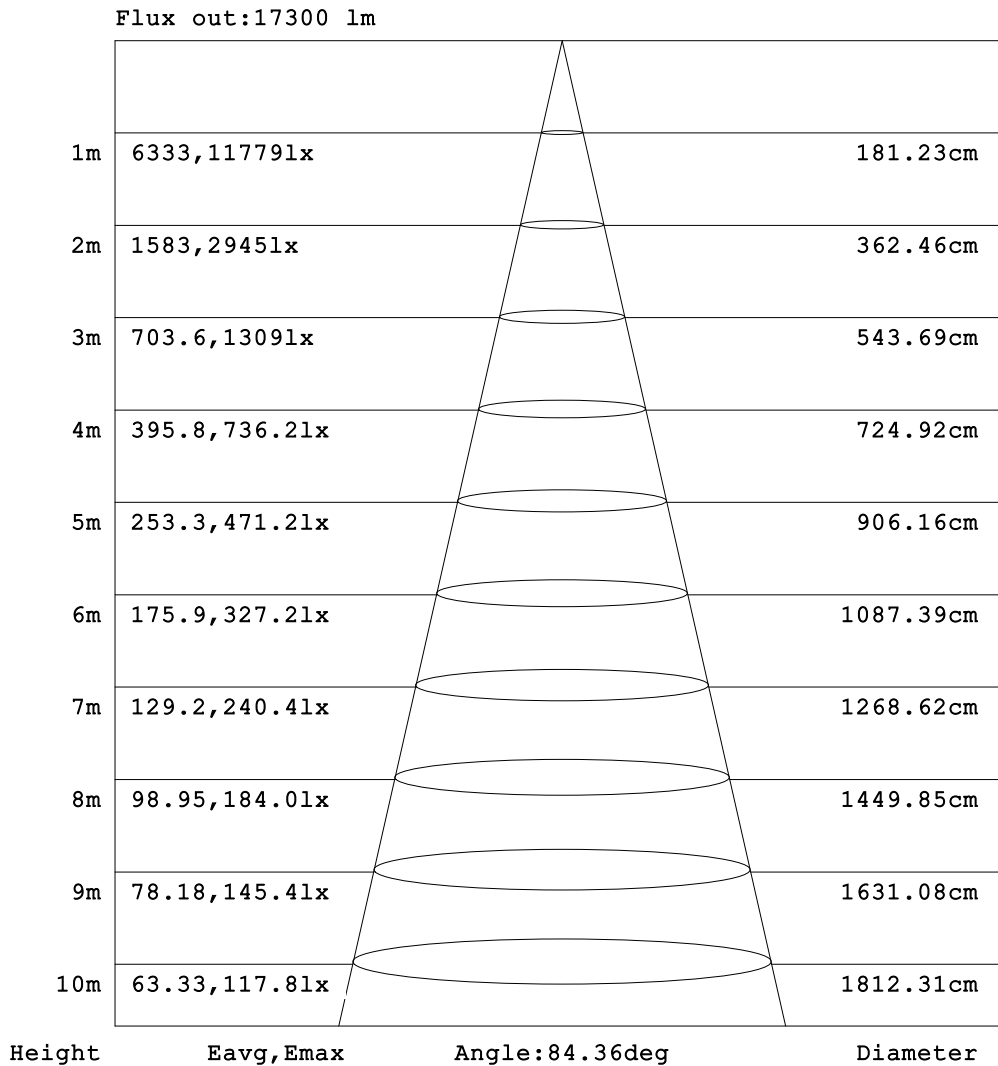


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:24 DEC 2023

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:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz	
Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
MFR.: ASD LIGHTING CORP	



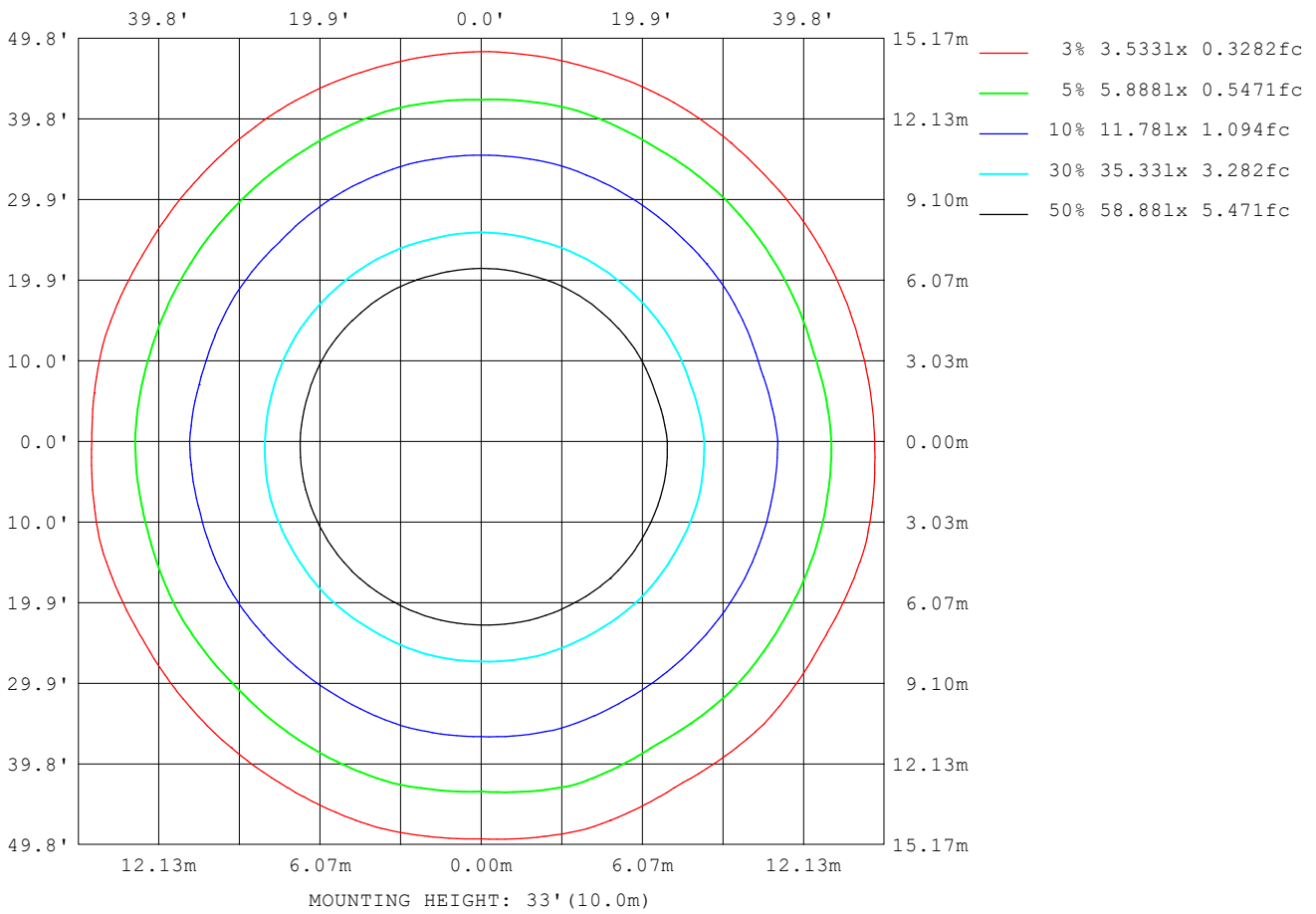
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:24 DEC 2023

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

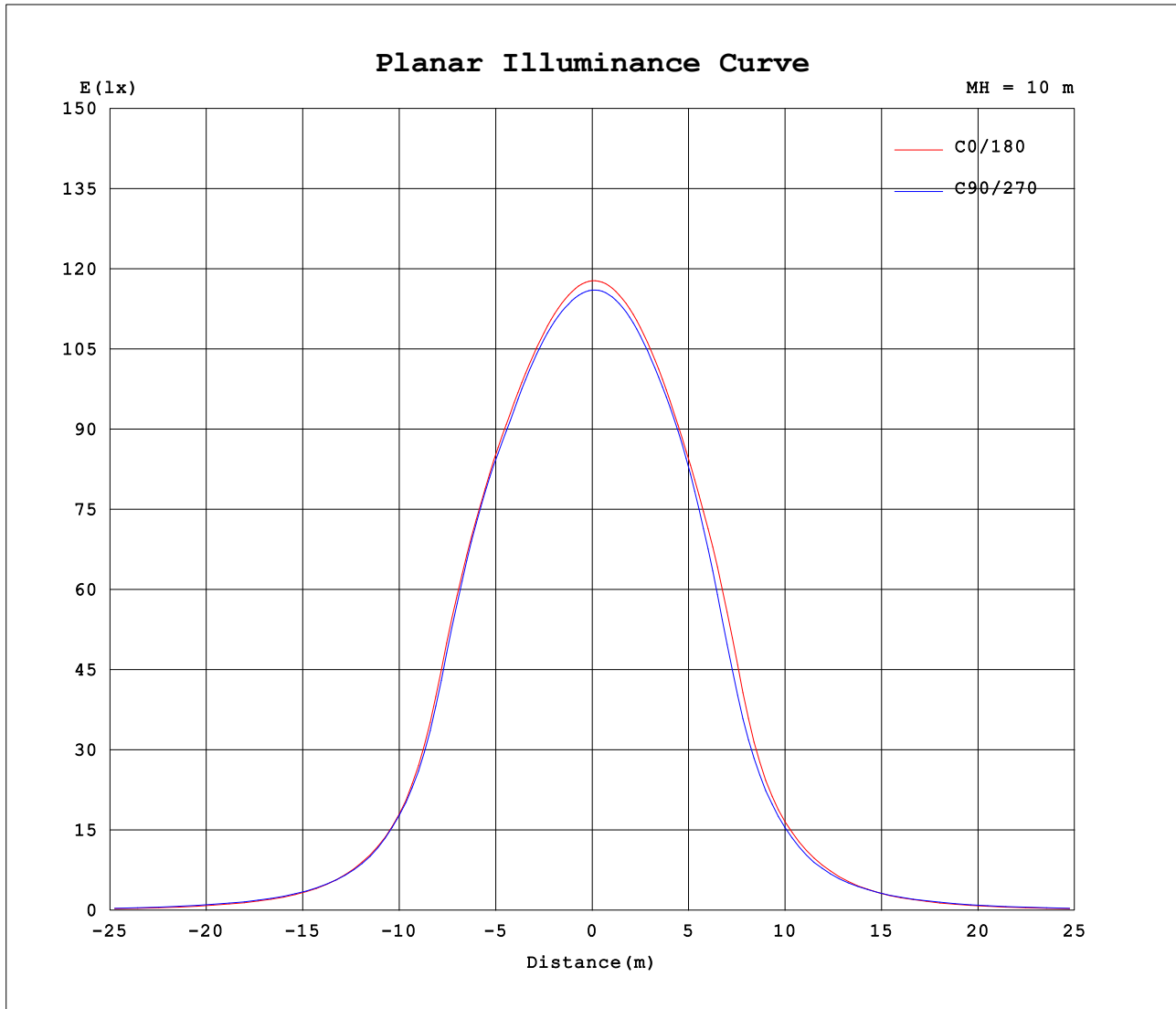
Test:U:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
MFR.: ASD LIGHTING CORP	



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:24 DEC 2023

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: 24 DEC 2023

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:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz	
Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
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	1178	1174	1170	1167	1165	1162	1160	1158	1157	1155	1154	1153	1178	1174	1170	1167	1165	1162	1160
5	1176	1172	1168	1165	1163	1161	1159	1158	1157	1157	1156	1155	1182	1179	1176	1173	1170	1168	1165
10	1179	1174	1170	1168	1165	1164	1163	1163	1162	1161	1161	1161	1188	1186	1183	1181	1178	1175	1172
15	1184	1180	1177	1175	1173	1172	1171	1170	1169	1168	1167	1167	1195	1192	1190	1187	1184	1181	1178
20	1190	1187	1185	1183	1181	1178	1175	1173	1171	1171	1170	1170	1198	1193	1189	1186	1184	1182	1180
25	1193	1191	1188	1186	1184	1181	1177	1173	1171	1168	1165	1164	1188	1181	1177	1175	1174	1173	1172
30	1171	1179	1180	1180	1174	1169	1162	1158	1150	1148	1142	1139	1149	1139	1134	1121	1114	1102	1100
35	1073	1092	1095	1098	1079	1064	1045	1041	1036	1040	1033	1028	1015	991	981	951	932	901	905
40	783	807	792	794	770	769	748	743	720	726	716	727	701	676	665	639	634	624	633
45	510	525	517	512	511	510	503	495	479	477	471	475	469	447	441	424	435	434	439
50	340	336	341	341	335	352	332	339	328	317	323	310	321	300	298	291	295	305	297
55	219	228	224	232	224	238	225	232	225	218	215	217	209	209	201	201	204	205	207
60	141	155	144	154	151	155	155	155	149	153	139	152	136	144	136	136	141	133	145
65	86.8	103	89.9	97.5	100	94.9	105	97.9	95.9	102	86.7	103	85.4	96.8	89.4	88.2	94.5	82.7	98.4
70	51.8	65.5	54.3	59.6	63.6	56.1	66.9	59.1	60.1	64.4	52.1	66.0	51.4	61.9	55.7	55.5	60.2	50.0	62.7
75	30.0	38.7	31.8	35.0	38.2	32.3	39.8	34.3	35.7	38.2	30.3	39.0	30.0	37.1	32.5	33.4	35.9	29.2	37.2
80	15.6	19.4	16.6	18.0	19.4	17.7	20.2	18.2	18.6	19.8	16.1	20.1	16.4	19.5	17.5	17.9	19.0	15.9	19.5
85	4.78	5.76	4.95	5.67	5.67	5.85	6.08	6.15	6.10	6.54	5.53	6.66	6.42	7.03	6.67	6.53	6.98	5.84	6.79
90	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	1.65	1.64	1.64	1.64	1.63	1.63	1.63
95	0.32	0.31	0.31	0.31	0.31	0.30	0.31	0.30	0.31	0.30	0.31	0.31	1.81	1.81	1.80	1.81	1.81	1.81	1.81
100	0.51	0.50	0.50	0.49	0.50	0.49	0.50	0.49	0.50	0.49	0.50	0.50	2.05	2.06	2.04	2.05	2.05	2.05	2.05
105	0.79	0.77	0.77	0.75	0.77	0.75	0.77	0.75	0.77	0.76	0.78	0.78	2.38	2.39	2.38	2.39	2.38	2.39	2.37
110	1.20	1.17	1.16	1.14	1.15	1.14	1.15	1.14	1.16	1.15	1.18	1.19	2.83	2.84	2.83	2.83	2.82	2.83	2.80
115	1.79	1.74	1.73	1.69	1.70	1.68	1.70	1.69	1.72	1.72	1.77	1.78	3.43	3.46	3.44	3.45	3.42	3.43	3.39
120	2.58	2.51	2.49	2.43	2.43	2.40	2.43	2.41	2.46	2.47	2.55	2.57	4.18	4.22	4.20	4.22	4.18	4.18	4.13
125	3.50	3.42	3.40	3.33	3.32	3.28	3.31	3.29	3.35	3.37	3.46	3.49	5.06	5.11	5.09	5.11	5.06	5.05	5.00
130	4.49	4.42	4.38	4.31	4.30	4.25	4.28	4.26	4.33	4.35	4.45	4.49	6.00	6.04	6.04	6.04	6.00	5.98	5.92
135	5.50	5.43	5.39	5.31	5.29	5.24	5.27	5.26	5.32	5.35	5.44	5.49	6.91	6.95	6.94	6.95	6.90	6.88	6.82
140	6.46	6.39	6.35	6.27	6.25	6.20	6.22	6.22	6.27	6.30	6.38	6.42	7.73	7.75	7.74	7.74	7.70	7.68	7.62
145	7.32	7.25	7.21	7.14	7.13	7.08	7.10	7.09	7.14	7.15	7.22	7.24	8.44	8.45	8.44	8.43	8.39	8.36	8.31
150	8.10	8.03	7.99	7.94	7.92	7.88	7.89	7.87	7.90	7.91	7.96	7.98	9.09	9.07	9.05	9.03	8.98	8.95	8.91
155	8.87	8.81	8.77	8.73	8.70	8.66	8.65	8.63	8.65	8.65	8.71	8.73	9.71	9.70	9.67	9.63	9.58	9.54	9.50
160	9.73	9.66	9.62	9.56	9.52	9.47	9.46	9.44	9.47	9.49	9.56	9.60	10.4	10.4	10.4	10.4	10.3	10.3	10.2
165	10.7	10.6	10.5	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.5	11.2	11.2	11.2	11.2	11.1	11.1	11.0
170	11.5	11.4	11.4	11.3	11.3	11.3	11.3	11.2	11.3	11.3	11.3	11.3	11.9	11.9	11.9	11.8	11.8	11.7	11.7
175	12.1	12.1	12.0	12.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.3	12.2	12.2	12.2	12.2	12.1	12.1
180	12.4	12.4	12.3	12.3	12.3	12.2	12.2	12.2	12.2	12.1	12.1	12.1	12.4	12.3	12.3	12.3	12.3	12.2	12.2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:24 DEC 2023

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:277.24V I:0.5535A P:150.05W PF:0.9779 Freq:50.01Hz	
Lamp Flux:23281.6x1 lm	
NAME: ASD-UHB2-150A50-BK	
MFR.: ASD LIGHTING CORP	

Table--2

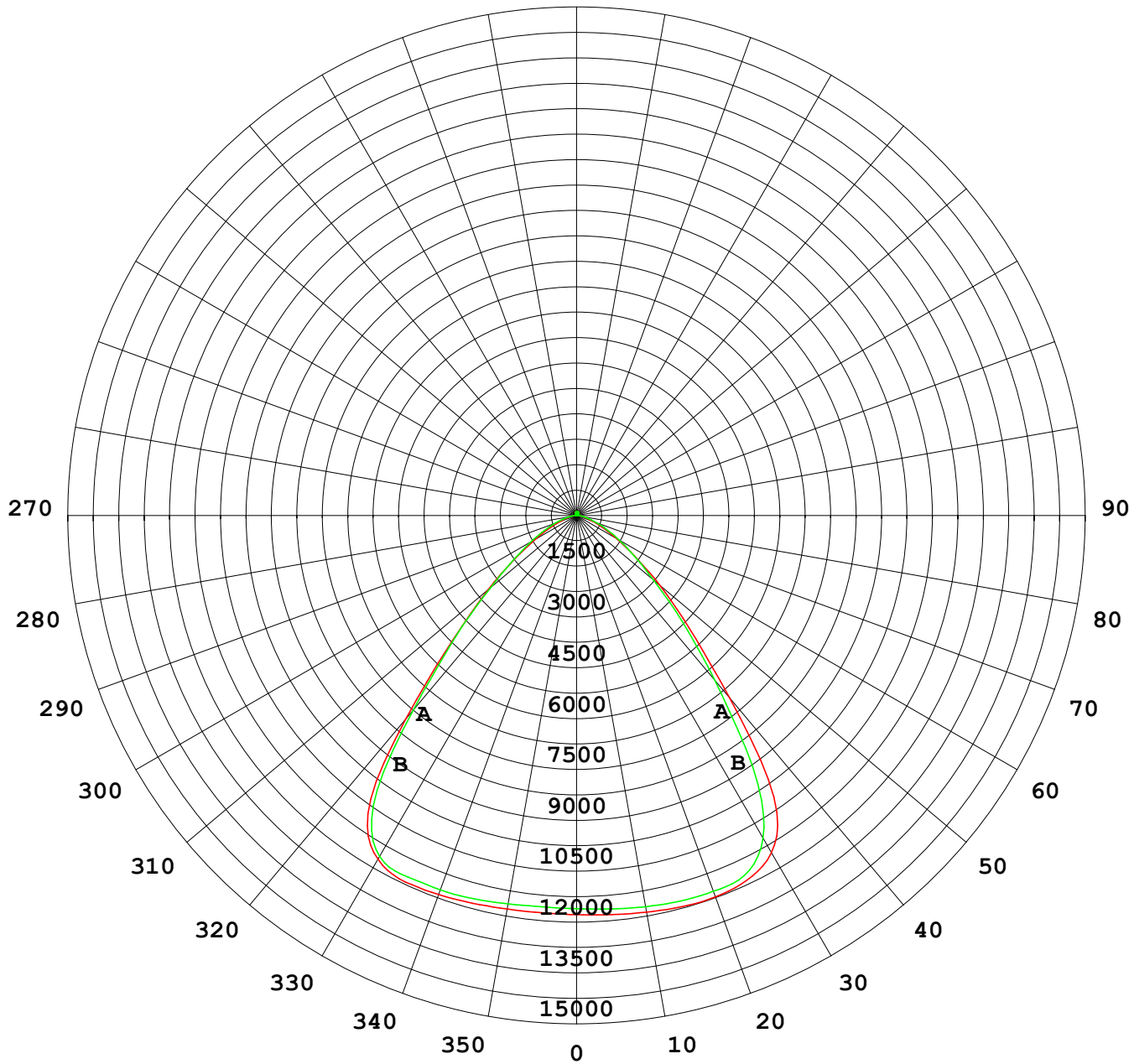
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1158	1157	1155	1154	1153														
5	1162	1160	1158	1155	1153														
10	1168	1165	1162	1159	1157														
15	1174	1171	1167	1164	1162														
20	1177	1174	1170	1167	1165														
25	1170	1168	1165	1162	1163														
30	1103	1115	1120	1131	1132														
35	905	935	959	992	1016														
40	624	640	650	683	708														
45	435	437	434	453	459														
50	307	298	304	306	306														
55	207	207	207	210	211														
60	133	145	136	142	142														
65	81.8	96.4	86.3	90.6	94.5														
70	48.8	60.5	52.9	55.4	59.6														
75	28.3	35.6	31.1	32.3	35.5														
80	15.5	18.5	16.4	17.0	18.4														
85	5.57	6.34	5.71	5.75	6.04														
90	1.63	1.62	1.62	1.61	1.61														
95	1.80	1.79	1.79	1.78	1.78														
100	2.05	2.03	2.03	2.01	2.02														
105	2.38	2.35	2.36	2.33	2.34														
110	2.81	2.78	2.78	2.76	2.76														
115	3.39	3.35	3.35	3.32	3.34														
120	4.13	4.07	4.08	4.04	4.06														
125	4.98	4.92	4.93	4.88	4.90														
130	5.90	5.84	5.84	5.79	5.80														
135	6.80	6.73	6.73	6.68	6.68														
140	7.60	7.54	7.53	7.48	7.47														
145	8.28	8.23	8.21	8.17	8.15														
150	8.88	8.84	8.82	8.78	8.76														
155	9.48	9.43	9.41	9.37	9.35														
160	10.2	10.2	10.1	10.1	10.1														
165	11.0	10.9	10.9	10.9	10.9														
170	11.6	11.6	11.6	11.5	11.5														
175	12.0	12.0	12.0	12.0	11.9														
180	12.2	12.2	12.1	12.1	12.1														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:24 DEC 2023

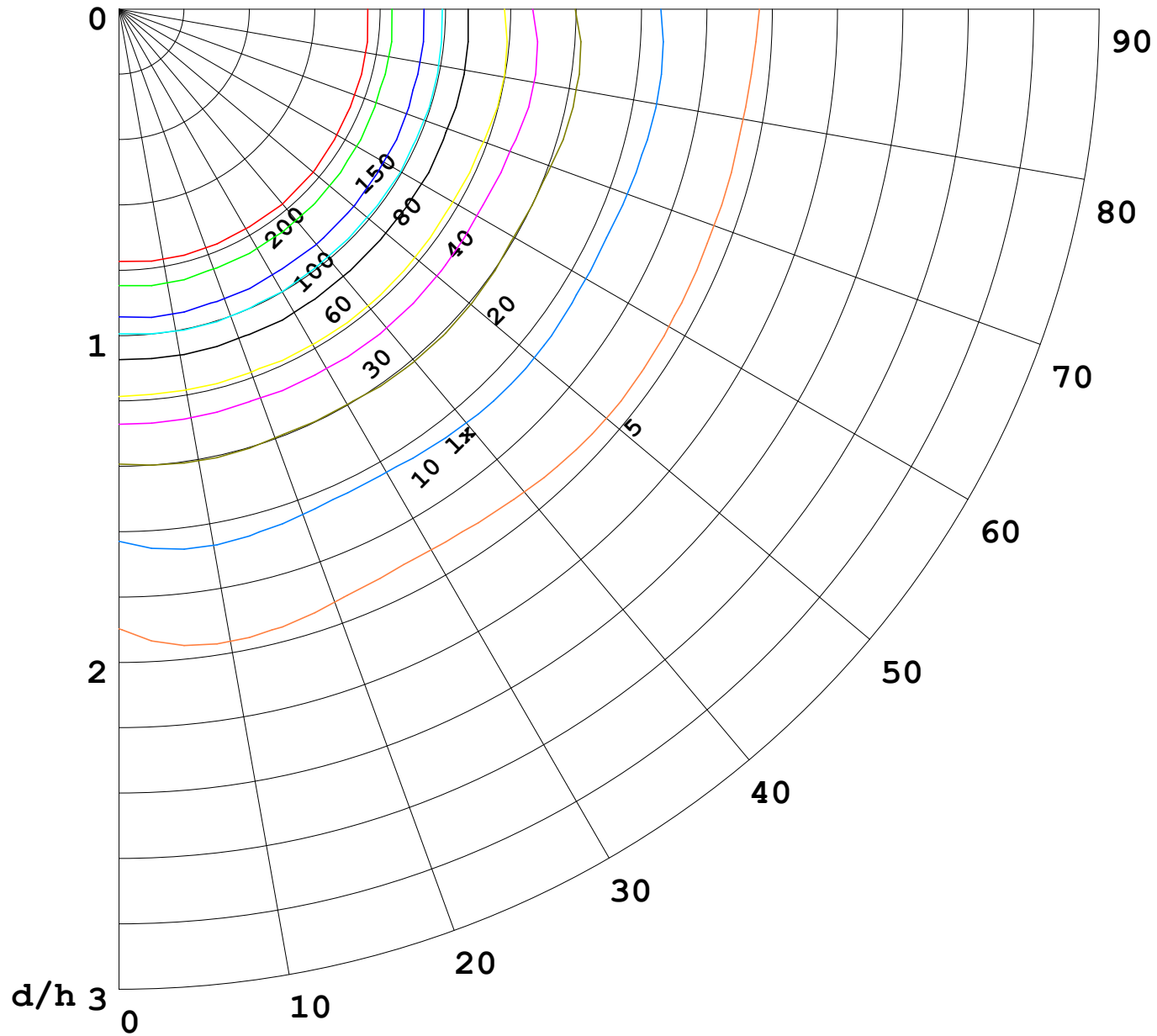
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

I (cd)



1000 lm

$K = 1$



F = 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

