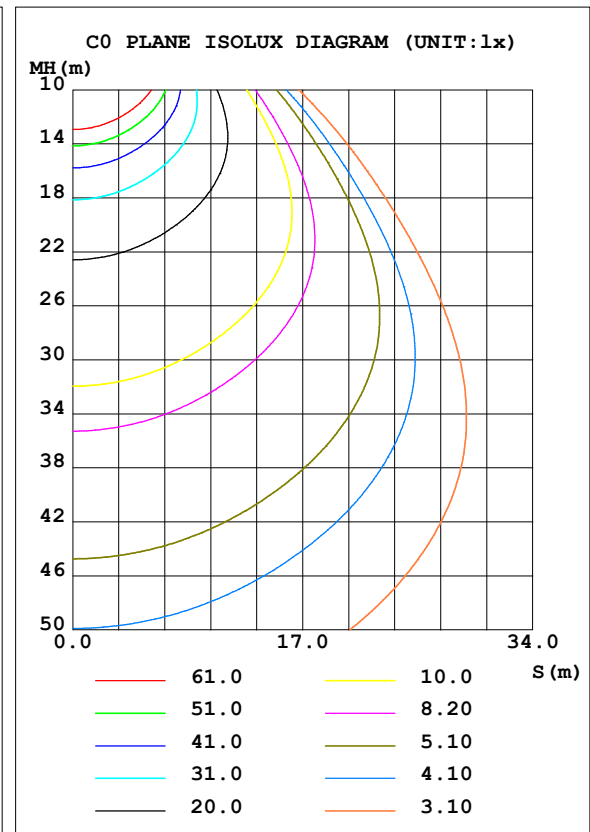
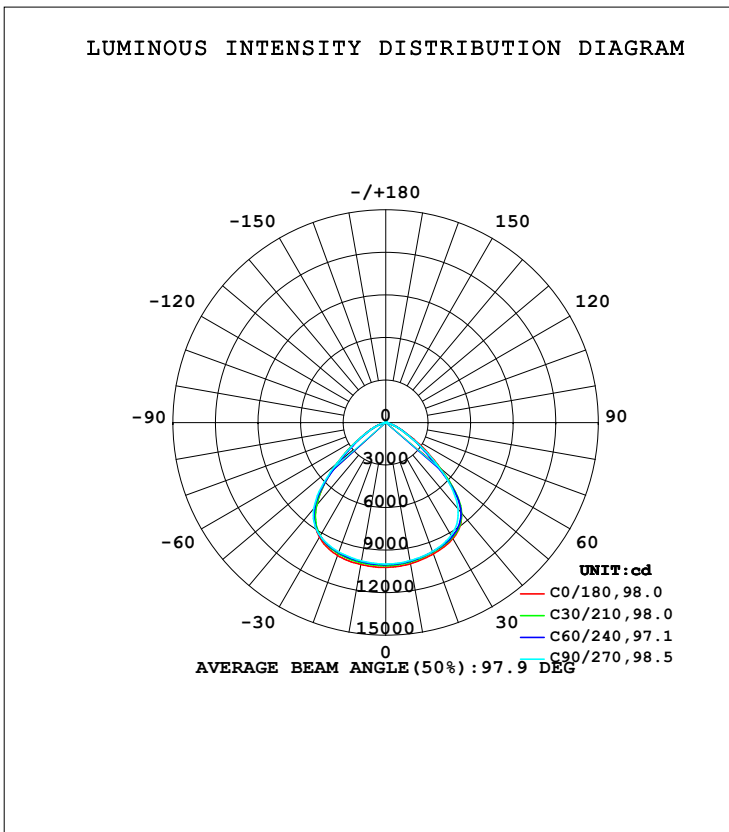


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.95 lm/W			
MODEL	ASD-UHB2A-150A50-BK	I _{max} (cd)	10212	S/MH (C0/180)	1.34
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.37
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	23013	η UP, DN (C0-180)	0.5, 49.8
NOMINAL FLUX (lm)	23013.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.1
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	98.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 2024-3-10

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	1010	994.9	989.0	987.4	1016	998.7	990.7	984.8	0- 10	952.1	952.1	4.14,4.14
20	984.5	970.4	967.2	969.0	996.5	977.4	971.3	961.3	10- 20	2786	3738	16.2,16.2
30	945.9	936.6	920.1	917.6	934.2	922.7	924.1	922.6	20- 30	4401	8139	35.4,35.4
40	829.3	836.6	793.6	768.2	760.6	765.5	789.6	804.4	30- 40	5452	13591	59.1,59.1
50	506.3	478.7	491.5	424.3	449.0	427.5	451.4	447.8	40- 50	4910	18500	80.4,80.4
60	209.1	194.7	190.5	194.5	186.1	177.5	183.7	205.7	50- 60	2774	21274	92.4,92.4
70	64.60	59.07	58.87	60.33	63.05	54.55	61.10	60.95	60- 70	1163	22437	97.5,97.5
80	6.233	7.034	5.660	5.501	6.038	5.370	4.997	5.687	70- 80	303.6	22740	98.8,98.8
90	0.3165	0.3100	0.3074	0.3260	0.8604	0.8381	0.8257	0.8212	80- 90	16.38	22757	98.9,98.9
100	0.8270	0.7744	0.8287	0.8329	1.547	1.444	1.435	1.361	90-100	8.682	22765	98.9,98.9
110	1.750	1.678	1.734	1.781	2.611	2.499	2.456	2.375	100-110	16.90	22782	99,99
120	3.098	3.059	3.137	3.194	4.126	4.067	3.949	3.801	110-120	27.52	22810	99.1,99.1
130	4.700	4.658	4.743	4.799	5.804	5.723	5.570	5.423	120-130	38.93	22849	99.3,99.3
140	6.186	6.132	6.167	6.223	7.196	7.051	6.943	6.803	130-140	45.48	22894	99.5,99.5
150	7.513	7.399	7.421	7.462	8.306	8.113	8.028	7.894	140-150	44.83	22939	99.7,99.7
160	8.812	8.709	8.728	8.746	9.370	9.181	9.081	8.960	150-160	38.47	22977	99.8,99.8
170	9.822	9.713	9.678	9.663	10.11	9.881	9.801	9.734	160-170	26.46	23004	100,100
180	10.41	10.29	10.16	10.14	10.47	10.26	10.18	10.14	170-180	9.514	23013	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 16269 lm

%lum = 70.7%

%lamp = 70.7%

Conical surface Flux(130deg): 22005 lm

%lum = 95.6%

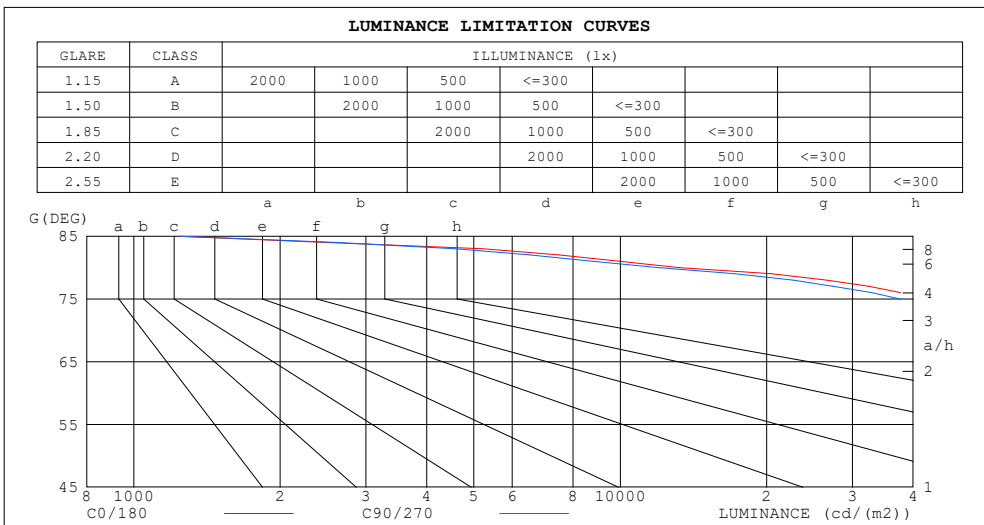
%lamp = 95.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:



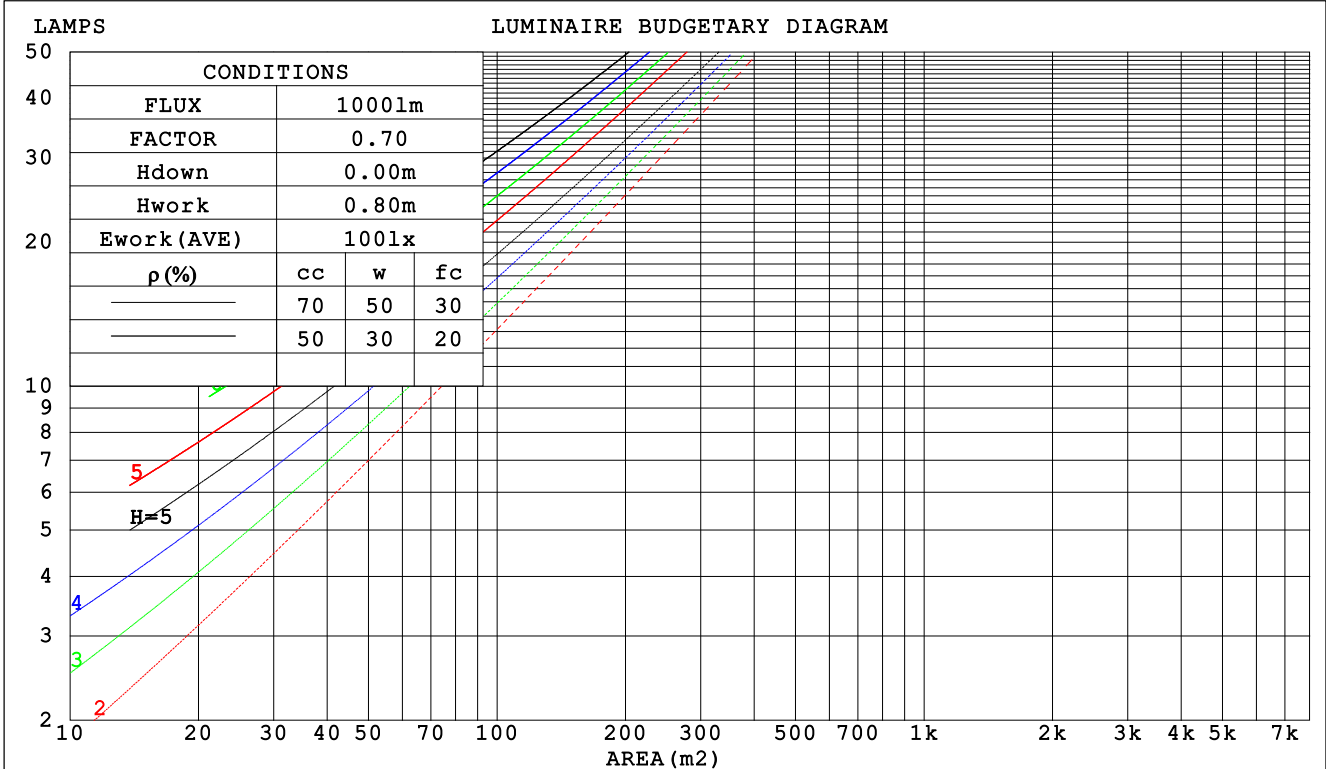
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.96	.91	.86	.94	.89	.85	.91	.87	.83	.87	.84	.81	.84	.82	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.74	.71	.76	.73	.69	.67
4.0	.78	.70	.64	.76	.69	.64	.74	.68	.63	.72	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.57	.69	.62	.56	.67	.61	.56	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.49	.59	.53	.49	.58	.52	.48	.47
7.0	.58	.50	.45	.57	.50	.45	.56	.49	.44	.54	.48	.44	.53	.48	.43	.42
8.0	.53	.46	.40	.53	.45	.40	.51	.45	.40	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.36	.32	.31



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz		
Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*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	.238	.136	.043	.231	.132	.042	.218	.125	.040	.205	.118	.038	.194	.112	.036	
2.0	.234	.128	.039	.228	.125	.039	.216	.120	.037	.205	.115	.036	.195	.110	.035	
3.0	.224	.119	.036	.218	.117	.035	.208	.113	.034	.198	.109	.033	.189	.105	.032	
4.0	.212	.110	.032	.207	.108	.032	.198	.105	.031	.190	.102	.031	.182	.099	.030	
5.0	.200	.102	.030	.196	.101	.029	.188	.098	.029	.180	.095	.028	.173	.093	.028	
6.0	.189	.095	.027	.185	.094	.027	.178	.091	.027	.171	.089	.026	.165	.087	.026	
7.0	.179	.088	.025	.175	.087	.025	.169	.085	.025	.163	.083	.024	.157	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.160	.080	.023	.154	.078	.023	.149	.077	.022	
9.0	.160	.077	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021	.142	.072	.021	
10.0	.152	.073	.020	.149	.072	.020	.144	.071	.020	.140	.069	.020	.136	.068	.020	

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	.149	.157	.142	.128	.108	.098	.088	.062	.056	.051	.020	.018	.017	
2.0	.173	.141	.114	.148	.121	.098	.102	.084	.069	.059	.049	.040	.019	.016	.013	
3.0	.164	.123	.090	.141	.106	.078	.097	.074	.054	.056	.043	.032	.018	.014	.011	
4.0	.156	.109	.073	.134	.094	.063	.092	.066	.044	.053	.038	.026	.017	.013	.009	
5.0	.149	.098	.060	.128	.085	.053	.088	.059	.037	.051	.035	.022	.016	.011	.007	
6.0	.143	.090	.051	.123	.078	.045	.085	.054	.032	.049	.032	.019	.016	.010	.006	
7.0	.137	.083	.045	.118	.072	.039	.081	.050	.028	.047	.030	.016	.015	.010	.005	
8.0	.131	.077	.040	.113	.067	.035	.078	.047	.025	.045	.028	.015	.015	.009	.005	
9.0	.125	.072	.036	.108	.062	.031	.075	.044	.022	.044	.026	.013	.014	.008	.004	
10.0	.120	.068	.033	.104	.059	.028	.072	.041	.020	.042	.024	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz		
Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*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	31.3	32.6	31.6	32.8	33.0	31.1	32.4	31.3	32.6	32.8
3H	31.4	32.6	31.7	32.9	33.1	31.2	32.4	31.5	32.6	32.9
4H	31.4	32.5	31.7	32.8	33.0	31.2	32.3	31.5	32.5	32.8
6H	31.3	32.4	31.6	32.6	32.9	31.1	32.1	31.4	32.4	32.7
8H	31.3	32.3	31.6	32.6	32.9	31.0	32.0	31.4	32.3	32.6
12H	31.2	32.2	31.6	32.5	32.8	31.0	31.9	31.3	32.3	32.6
4H 2H	31.3	32.4	31.6	32.7	33.0	31.1	32.2	31.4	32.5	32.8
3H	31.5	32.5	31.8	32.8	33.1	31.3	32.3	31.7	32.6	32.9
4H	31.5	32.4	31.9	32.7	33.0	31.3	32.2	31.7	32.5	32.8
6H	31.4	32.2	31.8	32.5	32.9	31.2	32.0	31.6	32.3	32.7
8H	31.4	32.1	31.8	32.5	32.9	31.2	31.9	31.6	32.3	32.7
12H	31.3	32.0	31.8	32.4	32.8	31.1	31.8	31.6	32.2	32.6
8H 4H	31.4	32.1	31.8	32.5	32.9	31.2	31.9	31.6	32.3	32.7
6H	31.3	31.9	31.8	32.3	32.8	31.1	31.7	31.6	32.1	32.6
8H	31.3	31.8	31.8	32.2	32.7	31.1	31.6	31.6	32.0	32.5
12H	31.2	31.7	31.7	32.1	32.6	31.0	31.5	31.5	31.9	32.4
12H 4H	31.3	32.0	31.8	32.4	32.8	31.2	31.8	31.6	32.2	32.6
6H	31.3	31.8	31.8	32.2	32.7	31.1	31.6	31.6	32.0	32.5
8H	31.2	31.7	31.7	32.1	32.6	31.1	31.5	31.5	31.9	32.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.3 / - 1.5					+ 1.4 / - 1.7				
1.5H	+ 0.8 / - 1.1					+ 0.8 / - 1.1				
2.0H	+ 2.6 / - 3.1					+ 2.6 / - 2.9				

CIE Pub.117, 23013 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.9)
 Area: 0.02715 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:

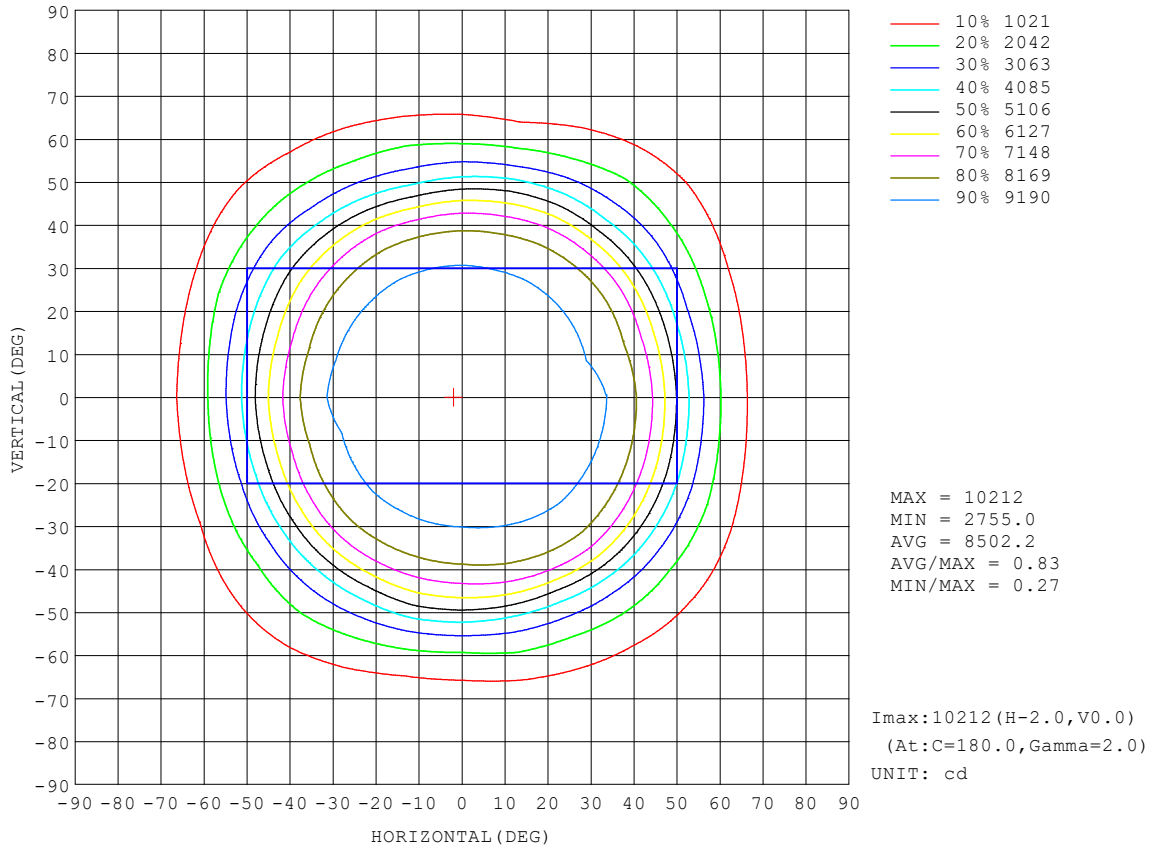
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	65	55	49	65	55	49	64	54	49	43
0.80	76	66	60	75	66	60	73	65	59	53
1.00	84	75	69	83	75	69	81	75	68	62
1.25	91	82	77	89	82	76	87	80	75	69
1.50	95	88	82	94	87	81	91	85	80	74
2.00	101	94	89	99	93	89	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	100	96	100	97	93	86
4.00	109	105	102	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	104	102	99	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:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:

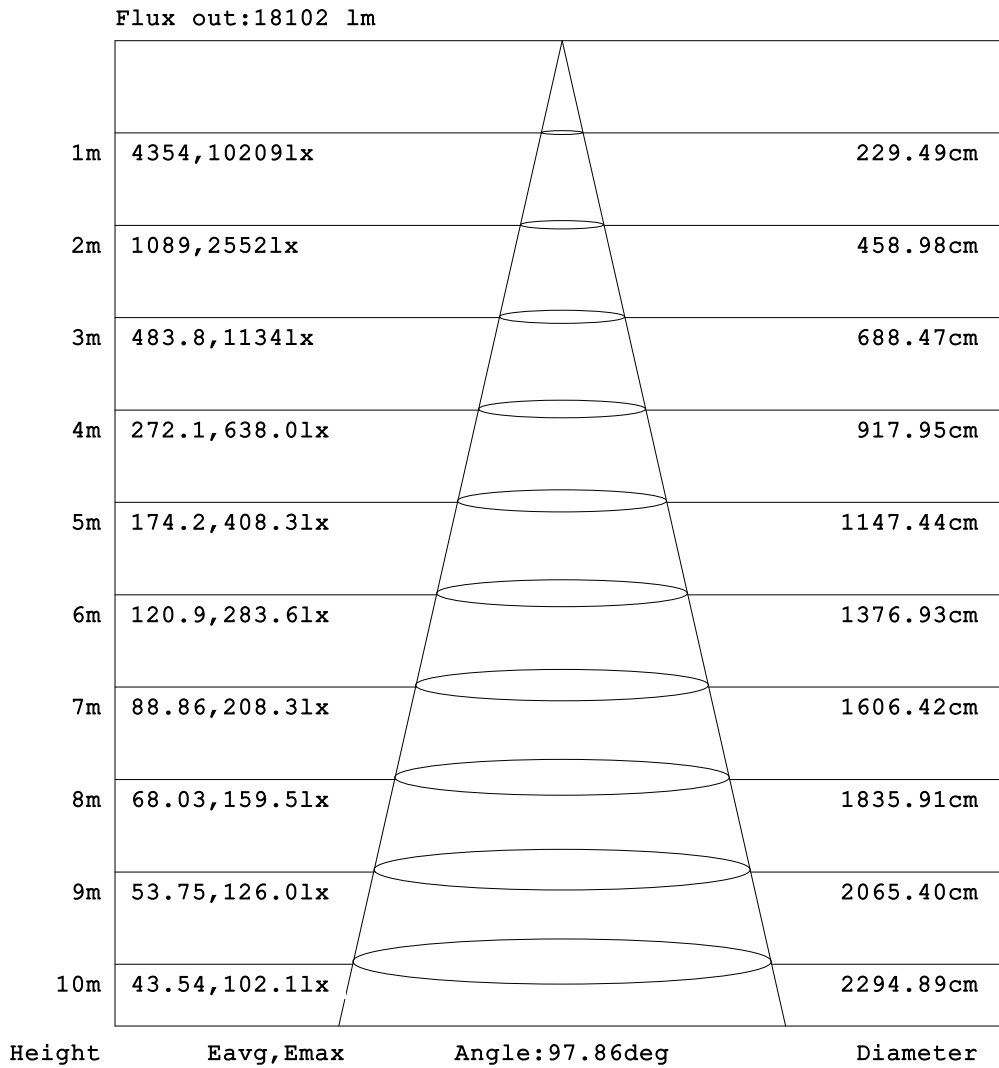


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:



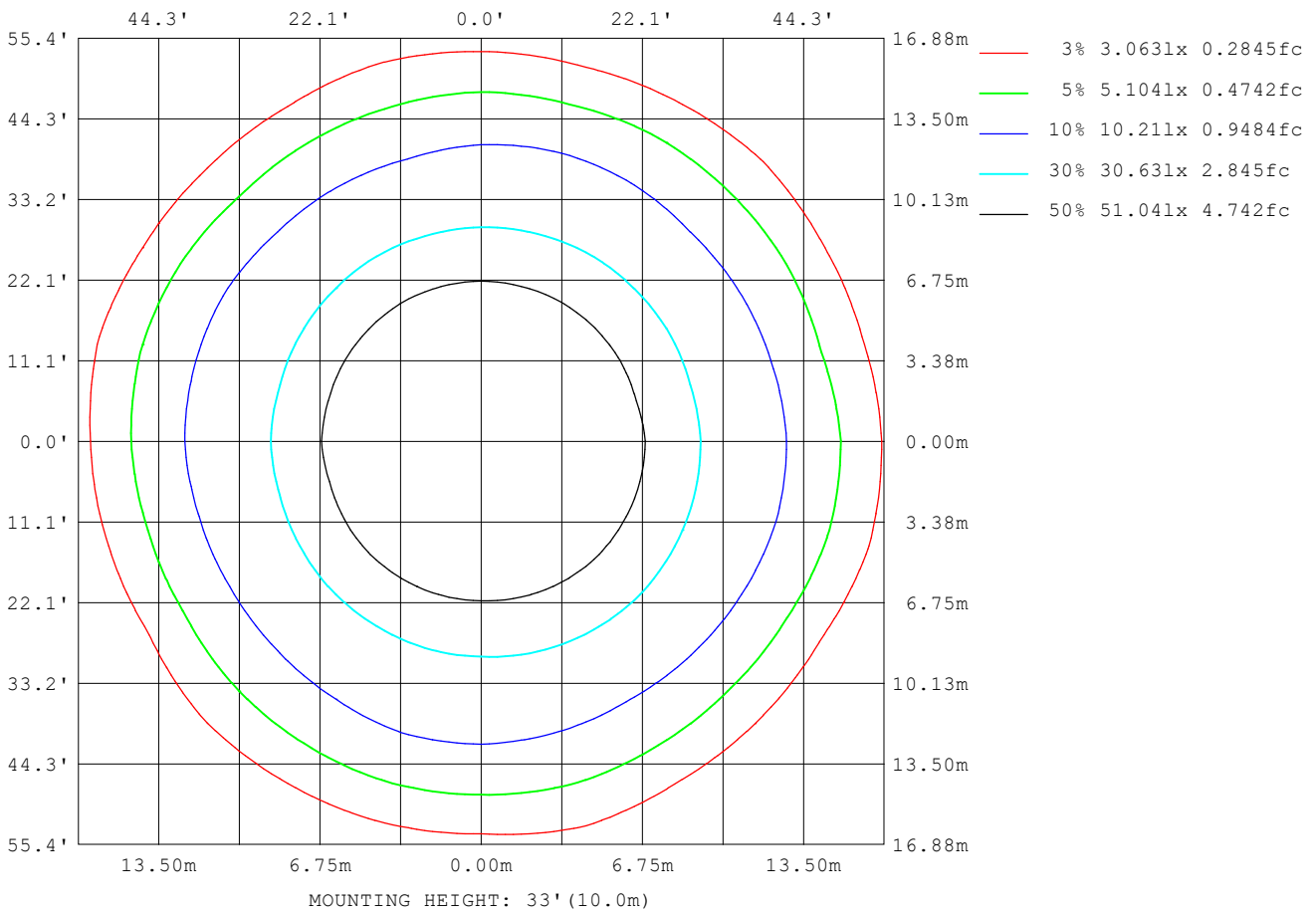
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:

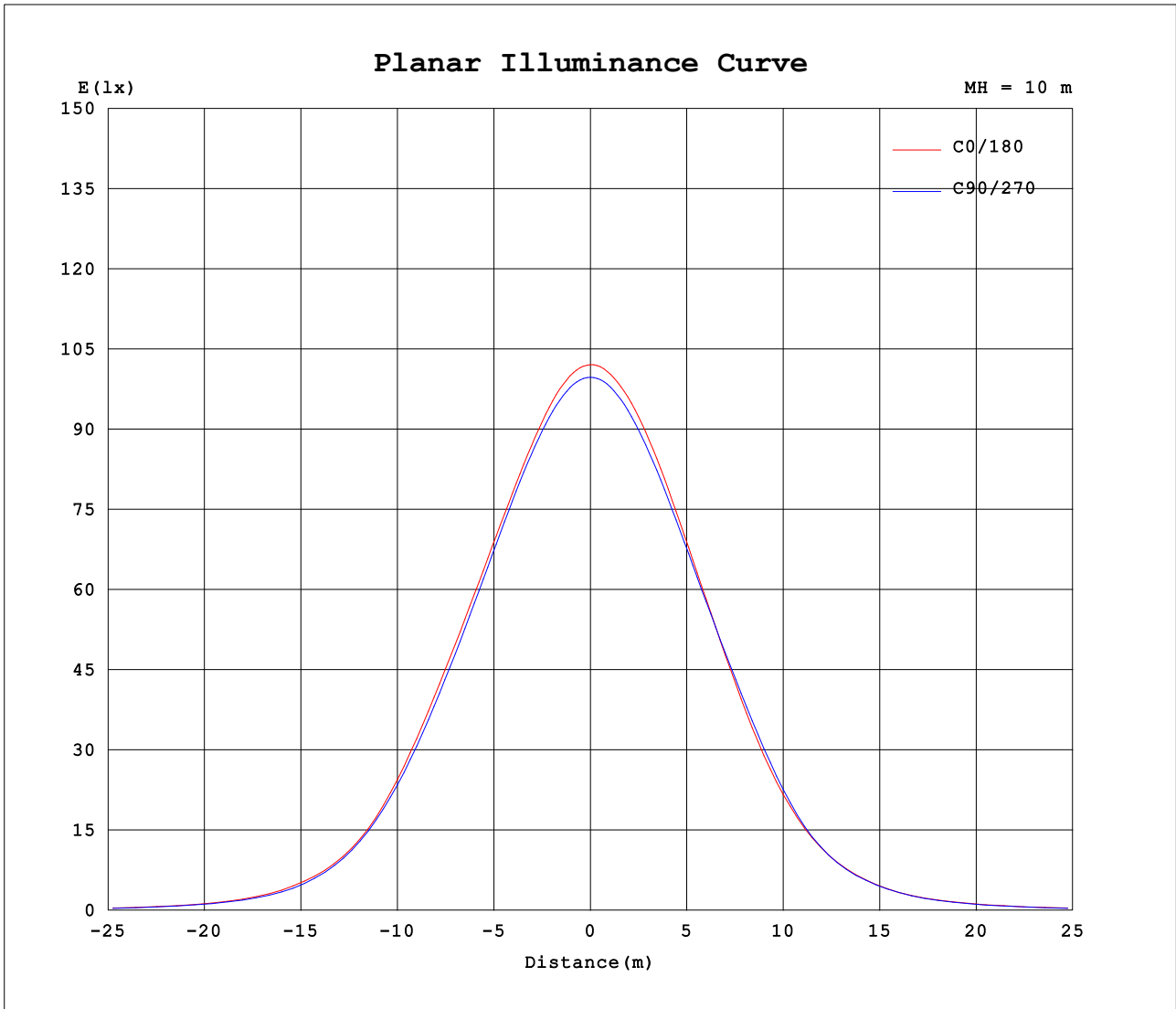
AvgL	cd/m2
L_0~180 (65) av	103234
L_0~180 (75) av	41614
L_0~180 (85) av	2242
L_90~270 (65) av	97042
L_90~270 (75) av	37855
L_90~270 (85) av	2188
L_45 (65) av	100239
L_45 (75) av	38492
L_45 (85) av	2195

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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



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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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*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	1021	1014	1009	1005	1002	999	997	996	995	993	993	992	1021	1014	1009	1005	1002	999	997
5	1018	1011	1006	1002	999	997	995	994	993	992	992	991	1020	1013	1008	1004	1001	998	996
10	1010	1004	999	995	993	990	989	988	987	987	987	987	1016	1009	1004	999	996	993	991
15	999	992	986	984	982	981	980	980	979	980	981	982	1010	1002	996	991	988	985	983
20	984	978	972	970	969	969	967	968	969	969	969	969	996	988	982	977	976	973	971
25	969	963	958	957	954	951	949	950	949	950	948	947	973	965	960	957	957	954	953
30	946	942	938	937	932	926	920	919	917	918	914	911	934	924	923	923	925	924	924
35	906	905	903	903	895	884	873	869	865	863	856	850	868	857	860	864	872	873	876
40	829	832	833	837	825	812	794	786	775	768	754	747	761	749	758	765	778	781	790
45	692	698	698	701	687	680	665	655	628	610	595	595	614	604	613	613	620	619	640
50	506	511	495	479	465	482	492	487	446	424	416	424	449	446	448	427	426	423	451
55	342	339	317	305	308	318	319	317	303	292	277	284	303	310	301	281	283	287	299
60	209	213	193	195	193	207	191	193	193	194	176	180	186	202	185	177	182	193	184
65	120	127	115	112	116	122	112	108	114	118	109	101	117	114	112	106	112	117	111
70	64.6	62.9	61.4	59.1	63.6	61.5	58.9	56.4	63.0	60.3	56.1	51.6	63.0	53.6	60.7	54.6	60.3	56.7	61.1
75	30.0	28.8	27.8	28.2	29.1	27.8	26.4	26.6	28.2	26.6	24.8	25.1	28.5	24.5	27.4	25.6	28.0	25.5	26.8
80	6.23	6.91	6.40	7.03	6.17	6.37	5.66	5.95	5.05	5.50	5.11	5.41	6.04	5.45	5.98	5.37	5.69	4.61	5.00
85	0.29	0.30	0.30	0.31	0.29	0.30	0.30	0.30	0.27	0.27	0.28	0.28	0.77	0.76	0.76	0.76	0.75	0.75	0.74
90	0.32	0.32	0.31	0.31	0.31	0.32	0.31	0.31	0.32	0.33	0.33	0.33	0.86	0.86	0.84	0.84	0.83	0.84	0.83
95	0.49	0.48	0.48	0.47	0.48	0.48	0.48	0.48	0.50	0.50	0.51	0.51	1.09	1.08	1.06	1.06	1.05	1.06	1.05
100	0.83	0.76	0.87	0.77	0.76	0.78	0.83	0.82	0.88	0.83	0.83	0.92	1.55	1.50	1.56	1.44	1.39	1.44	1.43
105	1.32	1.24	1.35	1.19	1.19	1.18	1.24	1.26	1.30	1.26	1.37	1.43	2.24	2.14	1.94	1.89	1.90	1.88	1.90
110	1.75	1.72	1.73	1.68	1.70	1.70	1.73	1.74	1.78	1.78	1.84	1.80	2.61	2.55	2.50	2.50	2.45	2.51	2.46
115	2.35	2.33	2.34	2.31	2.33	2.33	2.38	2.39	2.43	2.43	2.48	2.48	3.29	3.29	3.24	3.24	3.19	3.19	3.15
120	3.10	3.07	3.08	3.06	3.08	3.08	3.14	3.15	3.19	3.19	3.25	3.25	4.13	4.12	4.07	4.07	4.01	4.01	3.95
125	3.90	3.86	3.87	3.85	3.88	3.88	3.94	3.95	3.99	4.00	4.06	4.05	4.98	4.97	4.92	4.92	4.86	4.84	4.77
130	4.70	4.67	4.67	4.66	4.69	4.69	4.74	4.74	4.79	4.80	4.85	4.84	5.80	5.77	5.73	5.72	5.68	5.65	5.57
135	5.47	5.45	5.44	5.43	5.45	5.46	5.49	5.50	5.53	5.55	5.58	5.57	6.55	6.50	6.46	6.44	6.41	6.38	6.31
140	6.19	6.16	6.15	6.13	6.14	6.15	6.17	6.18	6.22	6.22	6.24	6.24	7.20	7.13	7.08	7.05	7.03	7.01	6.94
145	6.85	6.82	6.78	6.77	6.77	6.77	6.79	6.80	6.83	6.84	6.86	6.86	7.76	7.69	7.64	7.58	7.57	7.54	7.50
150	7.51	7.48	7.43	7.40	7.40	7.40	7.42	7.43	7.46	7.46	7.49	7.50	8.31	8.23	8.18	8.11	8.08	8.06	8.03
155	8.19	8.15	8.10	8.07	8.07	8.08	8.11	8.11	8.14	8.13	8.16	8.16	8.86	8.77	8.73	8.67	8.63	8.60	8.57
160	8.81	8.78	8.72	8.71	8.70	8.71	8.73	8.74	8.75	8.75	8.76	8.76	9.37	9.28	9.24	9.18	9.15	9.11	9.08
165	9.36	9.33	9.27	9.26	9.25	9.25	9.26	9.26	9.26	9.25	9.26	9.25	9.78	9.68	9.64	9.58	9.55	9.52	9.49
170	9.82	9.80	9.73	9.71	9.69	9.69	9.68	9.68	9.67	9.66	9.66	9.65	10.1	9.99	9.96	9.88	9.86	9.82	9.80
175	10.2	10.2	10.1	10.1	10.0	10.0	10.0	10.0	9.99	9.98	9.97	9.97	10.3	10.2	10.2	10.1	10.1	10.1	10.0
180	10.4	10.4	10.3	10.3	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.1	10.5	10.3	10.3	10.3	10.2	10.2	10.2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

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:277.87V I:0.5508A P:150.46W PF:0.9831 Freq:49.99Hz Lamp Flux:23013.4x1 lm		
NAME: ASD-UHB2A-150A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 93*93*3.14	Shielding Angle:

Table--2

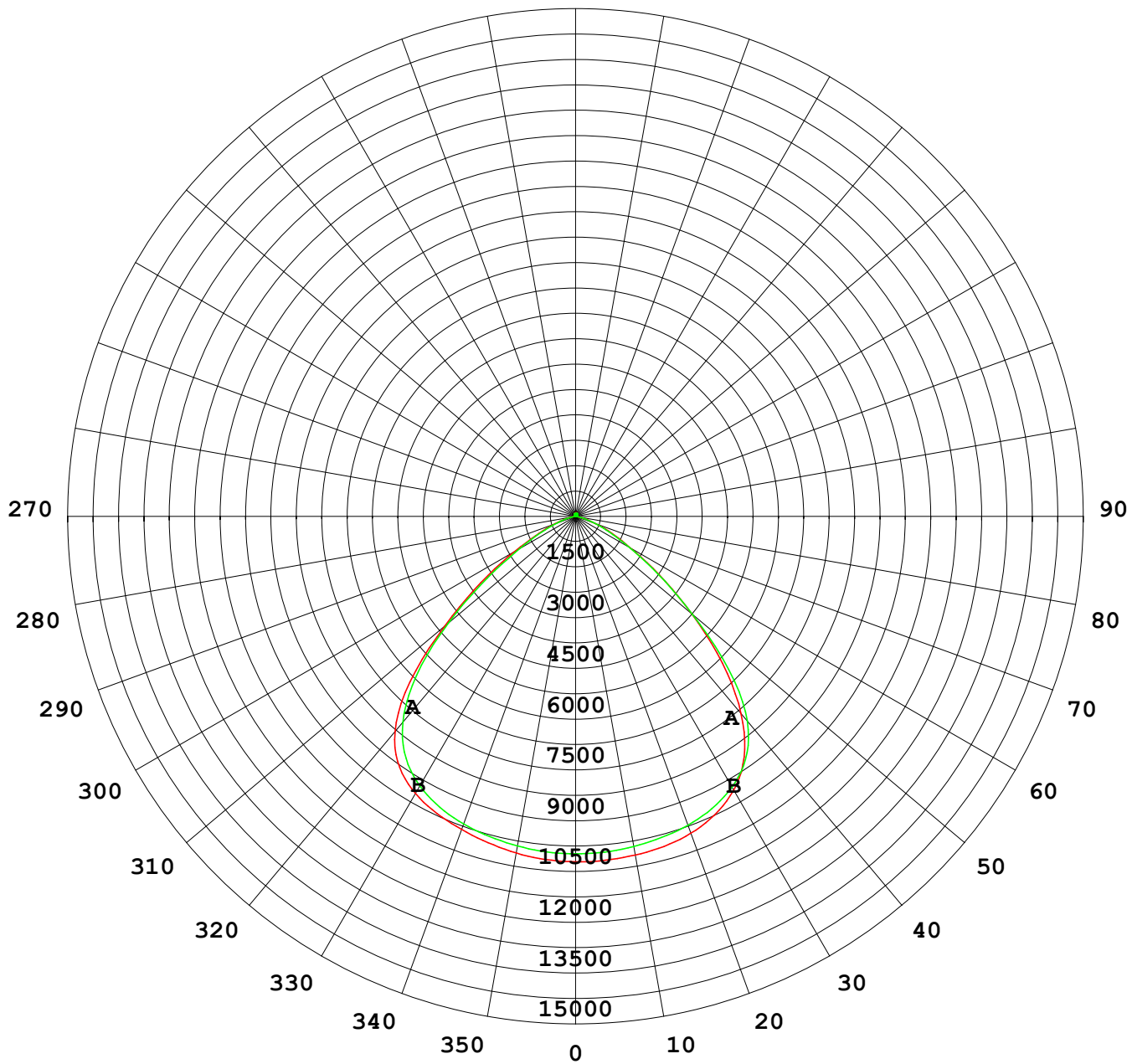
UNIT: X10cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	996	995	993	993	992														
5	994	992	990	990	989														
10	988	987	985	984	982														
15	979	976	974	973	971														
20	967	964	961	960	958														
25	950	948	946	945	943														
30	923	924	923	921	919														
35	877	881	882	883	880														
40	793	802	804	809	804														
45	651	660	654	665	667														
50	469	467	448	465	481														
55	298	308	305	312	310														
60	180	189	206	196	198														
65	98.7	114	124	121	114														
70	50.7	60.6	61.0	67.8	60.1														
75	23.8	28.3	27.7	32.2	29.4														
80	4.81	5.52	5.69	6.92	6.90														
85	0.74	0.74	0.74	0.74	0.75														
90	0.83	0.82	0.82	0.81	0.81														
95	1.05	1.03	1.03	1.01	1.01														
100	1.40	1.35	1.36	1.31	1.37														
105	1.91	1.85	1.79	1.77	1.82														
110	2.44	2.40	2.37	2.31	2.29														
115	3.14	3.06	3.02	2.96	2.97														
120	3.93	3.84	3.80	3.73	3.73														
125	4.75	4.66	4.62	4.54	4.55														
130	5.54	5.47	5.42	5.35	5.35														
135	6.26	6.20	6.16	6.10	6.09														
140	6.89	6.83	6.80	6.76	6.75														
145	7.44	7.39	7.36	7.32	7.32														
150	7.99	7.93	7.89	7.85	7.86														
155	8.54	8.48	8.44	8.39	8.39														
160	9.04	9.00	8.96	8.92	8.91														
165	9.46	9.42	9.40	9.37	9.36														
170	9.77	9.75	9.73	9.72	9.70														
175	10.0	10.0	9.99	9.98	9.97														
180	10.2	10.2	10.1	10.1	10.1														

C Range: 0 - 360DEG
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 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-3-10

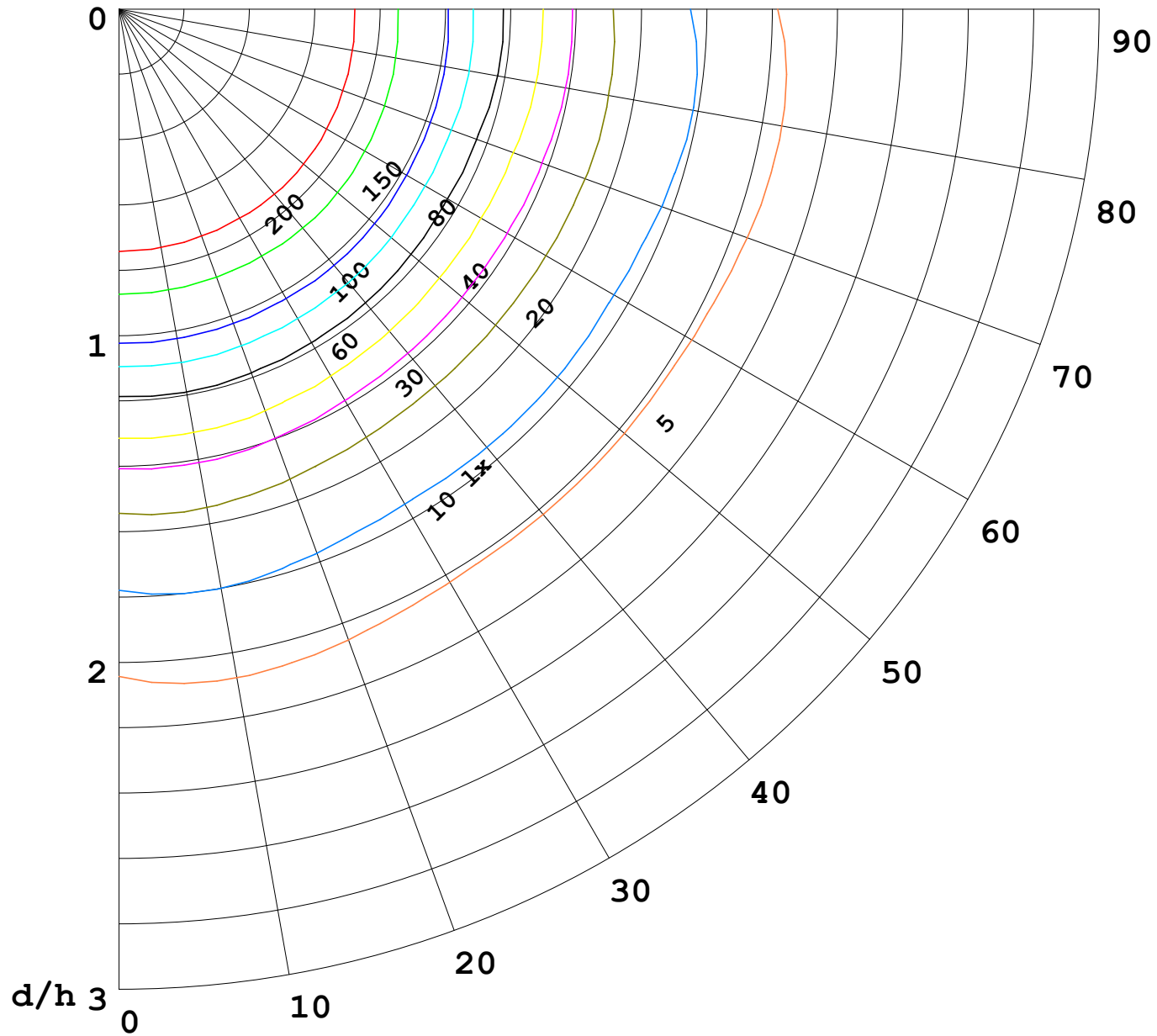
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

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

