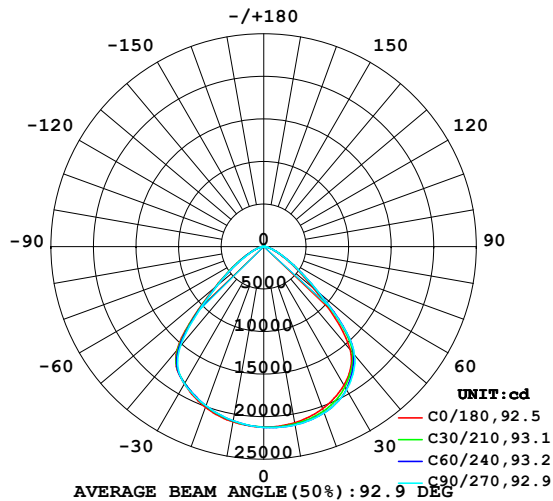


LUMINAIRE PHOTOMETRIC TEST REPORT

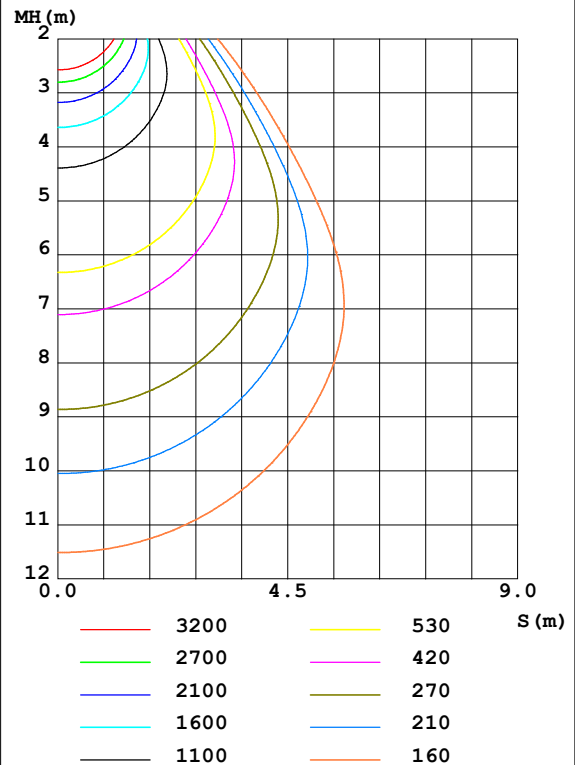
Test:U:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.35 lm/W			
MODEL	ASD-UHB2-300A50-BK	I _{max} (cd)	21321	S/MH (C0/180)	1.31
NOMINAL POWER (W)	300	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	45158	η UP, DN (C0-180)	0.5, 50.9
NOMINAL FLUX (lm)	45158.1	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)	277	η down (%)	98.9	CIBSE SHR MAX	1.35

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: 27 January 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:

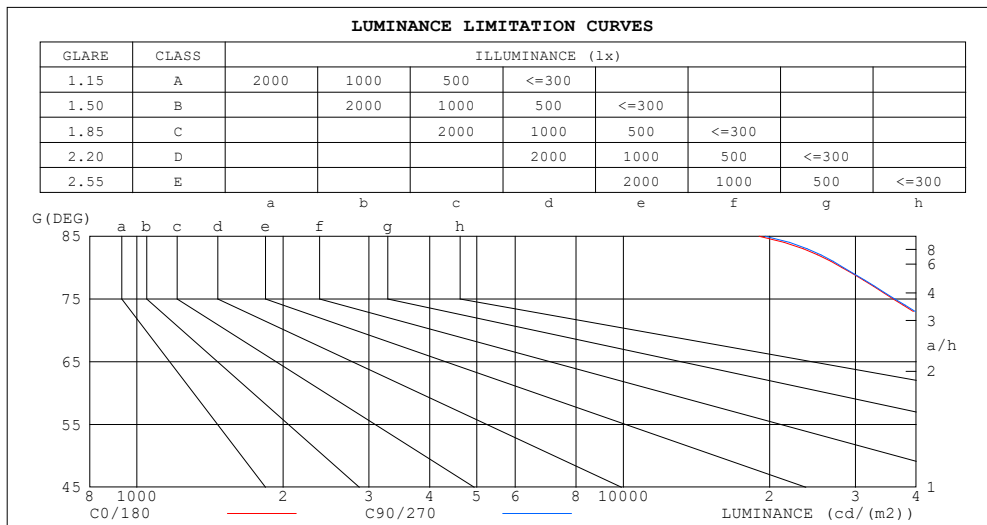
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2102	2123	2127	2116	2091	2079	2078	2088	0- 10	2017	2017	4.47,4.47
20	2027	2071	2080	2052	2010	1990	1989	2004	10- 20	5855	7872	17.4,17.4
30	1883	1930	1947	1911	1865	1855	1864	1874	20- 30	9081	16953	37.5,37.5
40	1579	1643	1661	1624	1587	1553	1523	1524	30- 40	11073	28026	62.1,62.1
50	778.5	864.7	850.0	807.5	748.7	716.2	719.1	716.1	40- 50	9104	37130	82.2,82.2
60	322.8	352.7	339.7	328.2	315.5	294.5	294.1	296.0	50- 60	4596	41726	92.4,92.4
70	126.0	134.8	128.9	122.7	121.2	111.6	110.6	113.9	60- 70	2009	43735	96.8,96.8
80	39.32	42.72	39.61	37.29	37.26	33.99	34.06	35.97	70- 80	776.5	44511	98.6,98.6
90	0.5589	0.5770	0.5292	0.5308	1.737	2.080	1.778	1.733	80- 90	158.8	44670	98.9,98.9
100	1.281	1.267	1.219	1.227	2.624	2.885	2.722	2.644	90-100	16.93	44687	99,99
110	2.931	2.857	2.798	2.817	4.461	4.838	4.693	4.547	100-110	29.43	44717	99,99
120	5.588	5.483	5.426	5.478	7.372	7.810	7.731	7.533	110-120	50.43	44767	99.1,99.1
130	8.556	8.492	8.500	8.629	10.72	11.09	11.09	10.87	120-130	73.03	44840	99.3,99.3
140	11.11	11.15	11.26	11.51	13.65	13.89	13.85	13.60	130-140	86.36	44926	99.5,99.5
150	13.49	13.65	13.77	14.07	15.94	16.20	15.96	15.72	140-150	85.82	45012	99.7,99.7
160	16.30	16.65	16.73	17.05	18.21	18.50	18.21	17.98	150-160	74.53	45087	99.8,99.8
170	18.57	19.14	19.22	19.47	19.67	20.08	19.84	19.68	160-170	52.40	45139	100,100
180	19.74	20.48	20.35	20.30	19.73	20.48	20.34	20.32	170-180	18.97	45158	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 January 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:

LUMINANCE LIMITATION CURVES

Test:U:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	19011	19583
80	28172	28374
75	35913	36142
70	45819	46889
65	59472	61537
60	80311	84511
55	109898	117202
50	150662	164503
45	208409	229666

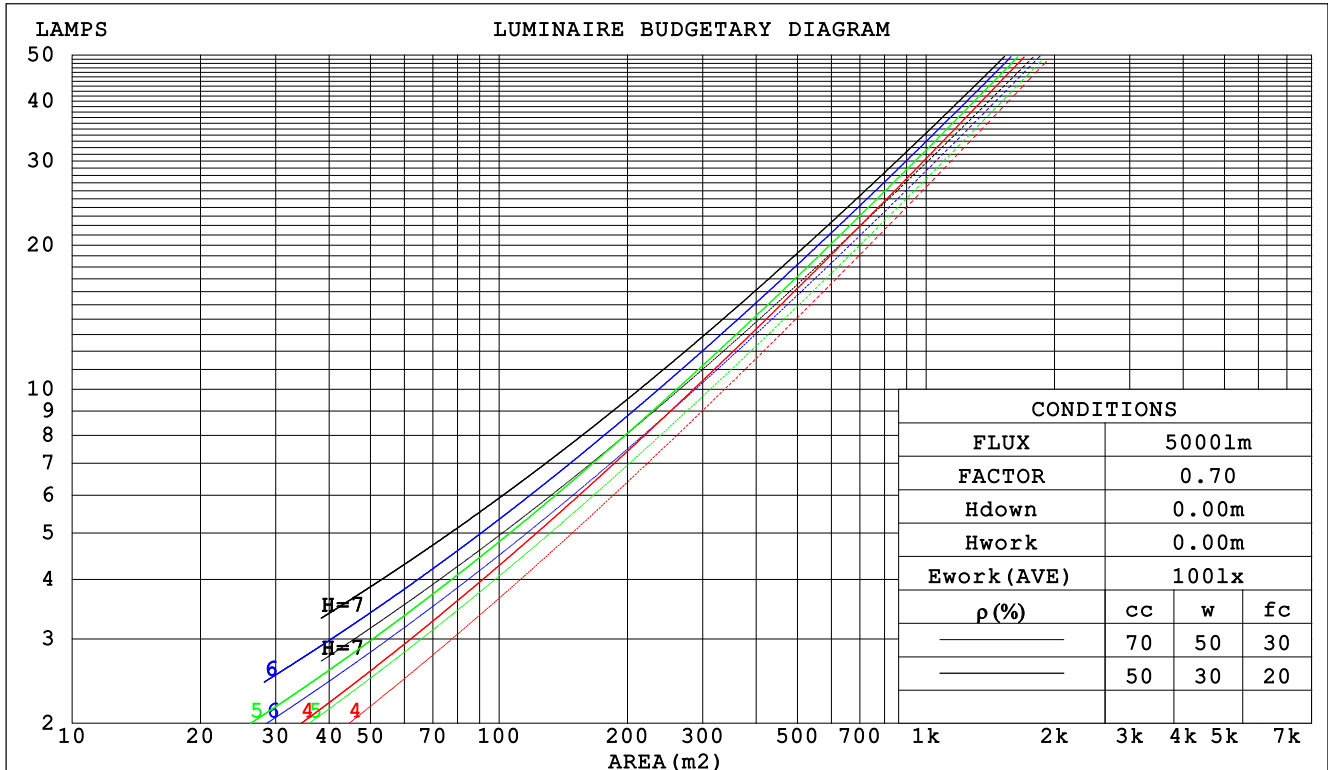
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 27 January 2024

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

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	1.11	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	.91	.90	.88
2.0	.96	.91	.86	.95	.90	.85	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.87	.80	.75	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.65	.75	.69	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.58	.70	.63	.57	.68	.62	.57	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.51	.60	.55	.50	.59	.54	.50	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.55	.50	.45	.54	.49	.45	.43
8.0	.54	.47	.42	.54	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.42	.38	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 January 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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

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	.238	.135	.043	.231	.132	.042	.217	.125	.040	.205	.118	.038	.193	.112	.036		
2.0	.231	.127	.039	.225	.124	.038	.213	.119	.037	.203	.114	.036	.193	.109	.034		
3.0	.220	.117	.035	.215	.115	.035	.205	.111	.034	.195	.107	.033	.186	.103	.032		
4.0	.209	.108	.032	.204	.107	.032	.195	.103	.031	.186	.100	.030	.178	.097	.030		
5.0	.197	.100	.029	.193	.099	.029	.185	.096	.028	.177	.093	.028	.170	.091	.027		
6.0	.186	.093	.027	.182	.092	.026	.175	.090	.026	.168	.087	.026	.162	.085	.025		
7.0	.176	.087	.025	.172	.086	.024	.166	.084	.024	.160	.082	.024	.154	.080	.024		
8.0	.166	.081	.023	.163	.080	.023	.157	.079	.022	.152	.077	.022	.147	.075	.022		
9.0	.158	.076	.021	.155	.075	.021	.150	.074	.021	.145	.072	.021	.140	.071	.021		
10.0	.150	.072	.020	.147	.071	.020	.142	.070	.020	.138	.068	.019	.134	.067	.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	.184	.165	.148	.157	.142	.128	.107	.097	.088	.062	.056	.051	.020	.018	.017	
2.0	.173	.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	.056	.043	.032	.018	.014	.011	
4.0	.155	.109	.073	.133	.094	.063	.092	.065	.045	.053	.038	.026	.017	.012	.009	
5.0	.148	.098	.061	.127	.085	.053	.088	.059	.037	.051	.035	.022	.016	.011	.007	
6.0	.141	.089	.052	.122	.077	.045	.084	.054	.032	.049	.032	.019	.016	.010	.006	
7.0	.135	.082	.045	.116	.071	.039	.080	.050	.028	.047	.029	.016	.015	.010	.005	
8.0	.129	.076	.040	.111	.066	.035	.077	.046	.025	.045	.027	.015	.015	.009	.005	
9.0	.124	.071	.036	.107	.062	.031	.074	.044	.022	.043	.026	.013	.014	.008	.004	
10.0	.119	.067	.033	.103	.058	.028	.071	.041	.020	.042	.024	.012	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 January 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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm										
NAME: ASD-UHB2-300A50-BK					TYPE:			WEIGHT:		
SPEC.:					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	29.0	30.3	29.3	30.5	30.8	29.3	30.6	29.5	30.8	31.0
3H	29.2	30.4	29.5	30.6	30.9	29.4	30.6	29.7	30.9	31.1
4H	29.3	30.4	29.6	30.6	30.9	29.5	30.6	29.8	30.8	31.1
6H	29.2	30.3	29.6	30.6	30.9	29.5	30.5	29.8	30.8	31.1
8H	29.2	30.2	29.6	30.5	30.8	29.4	30.4	29.8	30.7	31.0
12H	29.2	30.1	29.5	30.5	30.8	29.4	30.4	29.7	30.7	31.0
4H 2H	29.1	30.2	29.4	30.5	30.7	29.3	30.4	29.6	30.7	30.9
3H	29.4	30.3	29.7	30.6	30.9	29.6	30.5	29.9	30.8	31.1
4H	29.5	30.3	29.8	30.7	31.0	29.6	30.5	30.0	30.8	31.2
6H	29.5	30.3	29.9	30.6	31.0	29.7	30.4	30.1	30.8	31.2
8H	29.5	30.2	29.9	30.6	31.0	29.7	30.4	30.1	30.8	31.2
12H	29.5	30.1	29.9	30.5	30.9	29.7	30.3	30.1	30.7	31.1
8H 4H	29.4	30.1	29.9	30.5	30.9	29.6	30.3	30.0	30.7	31.1
6H	29.5	30.1	30.0	30.5	31.0	29.7	30.3	30.1	30.7	31.1
8H	29.5	30.1	30.0	30.5	31.0	29.7	30.2	30.2	30.7	31.1
12H	29.5	30.0	30.0	30.4	30.9	29.7	30.1	30.2	30.6	31.1
12H 4H	29.4	30.0	29.8	30.4	30.9	29.6	30.2	30.0	30.6	31.0
6H	29.5	30.0	30.0	30.4	30.9	29.7	30.2	30.1	30.6	31.1
8H	29.5	30.0	30.0	30.4	30.9	29.7	30.1	30.2	30.6	31.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.4 / - 1.7					+ 1.4 / - 1.7				
1.5H	+ 0.8 / - 1.1					+ 0.9 / - 1.2				
2.0H	+ 2.6 / - 2.2					+ 2.9 / - 2.4				

CIE Pub.117, 45158 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 13.2)
Area: 0.080384 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 January 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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

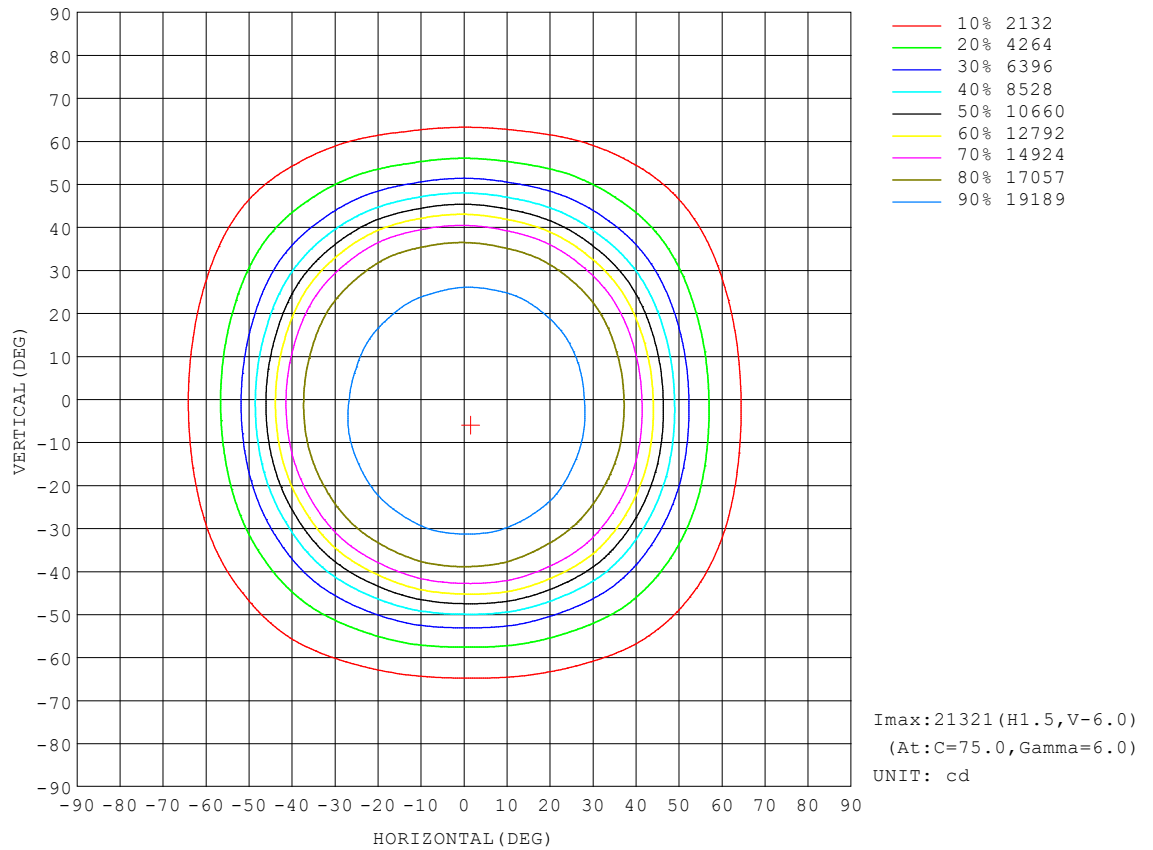
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	58	52	67	57	52	66	57	51	46
0.80	78	68	62	77	68	62	75	67	61	56
1.00	85	77	71	84	76	71	82	77	70	64
1.25	92	84	78	90	83	78	88	82	77	71
1.50	96	89	83	94	88	83	92	86	81	75
2.00	101	95	90	100	94	89	96	92	88	81
2.50	104	98	94	102	97	93	99	94	91	83
3.00	107	102	97	105	100	96	101	97	94	86
4.00	110	105	102	107	104	100	103	100	98	89
5.00	111	108	105	109	106	103	104	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 January 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:

ISOCANDELA DIAGRAM

Test:U:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

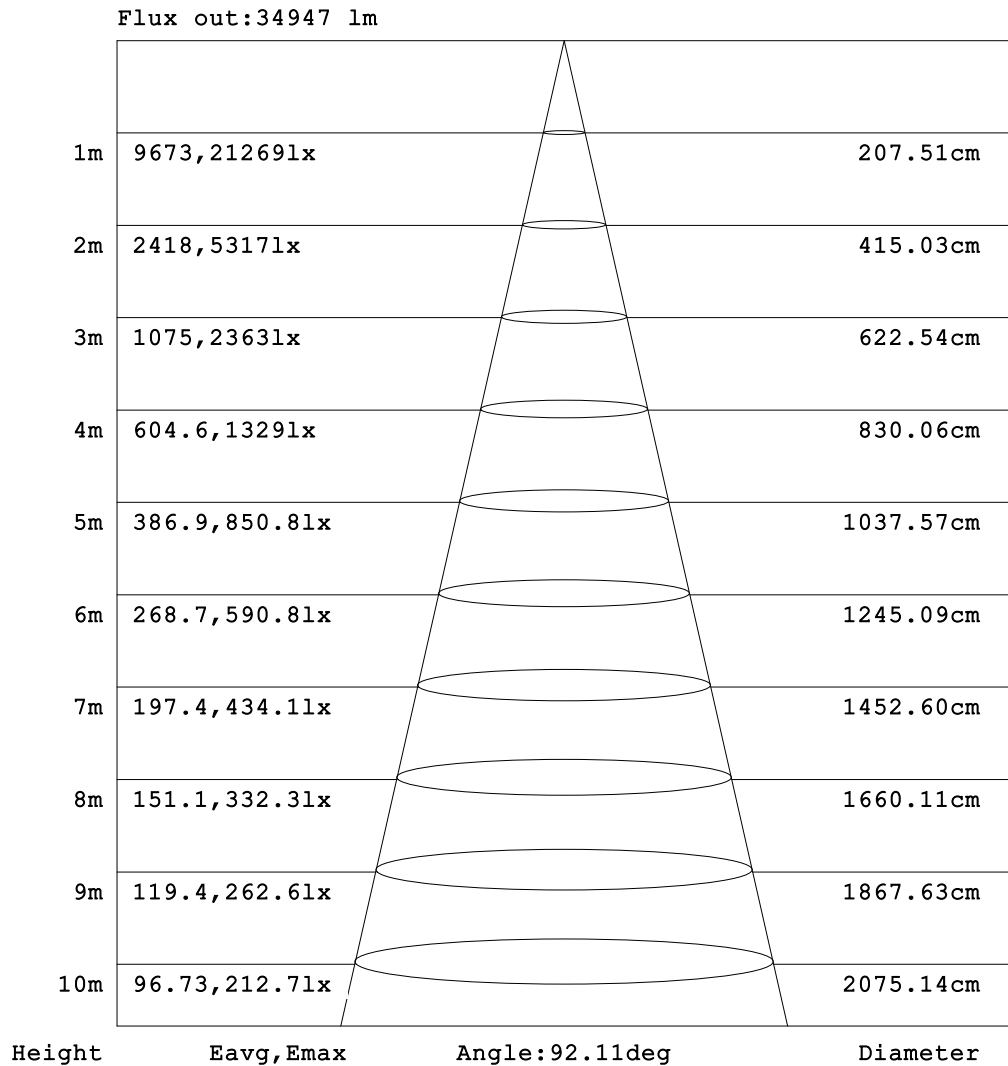


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 January 2024

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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1lx1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:



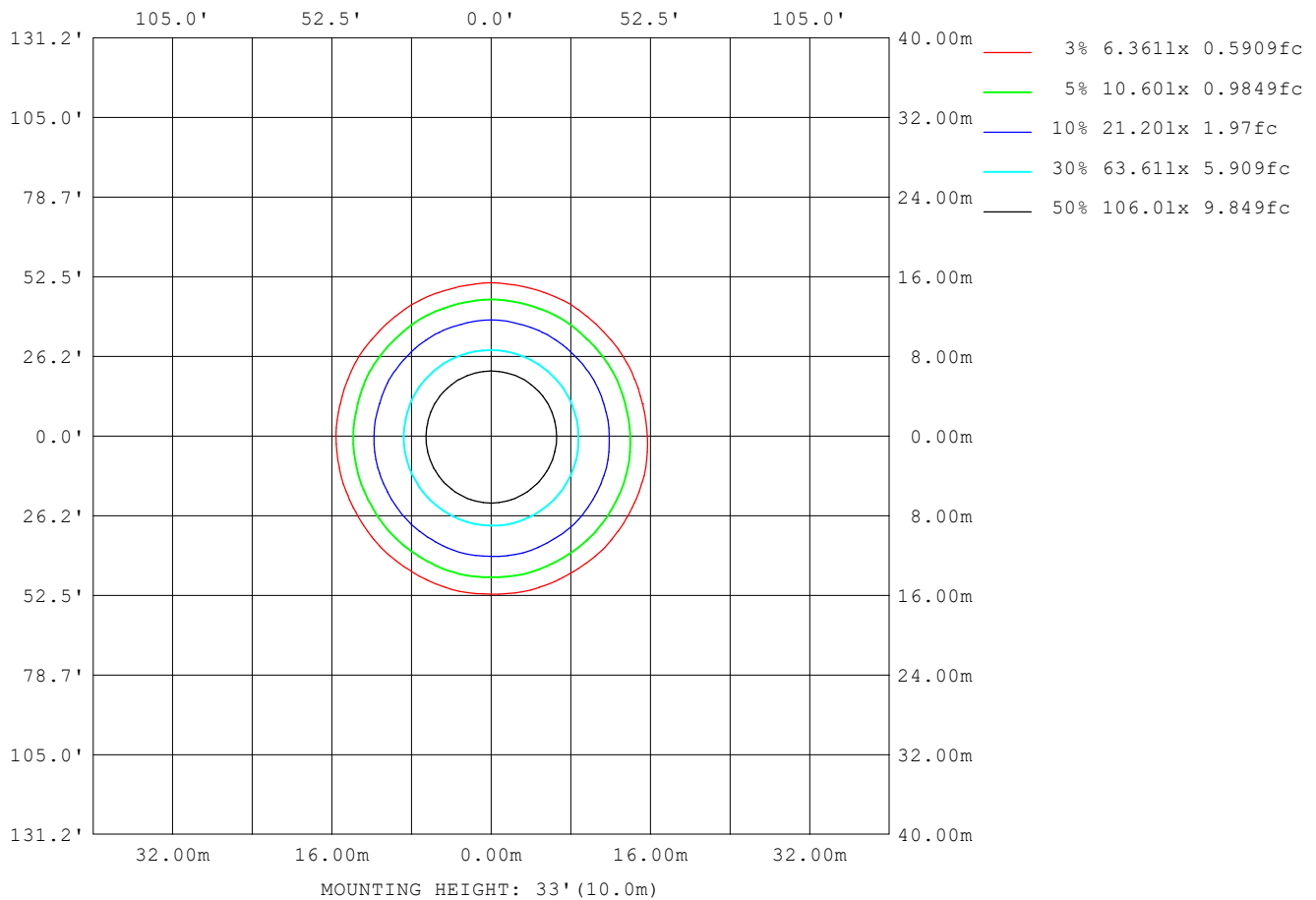
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 27 January 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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	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 January 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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

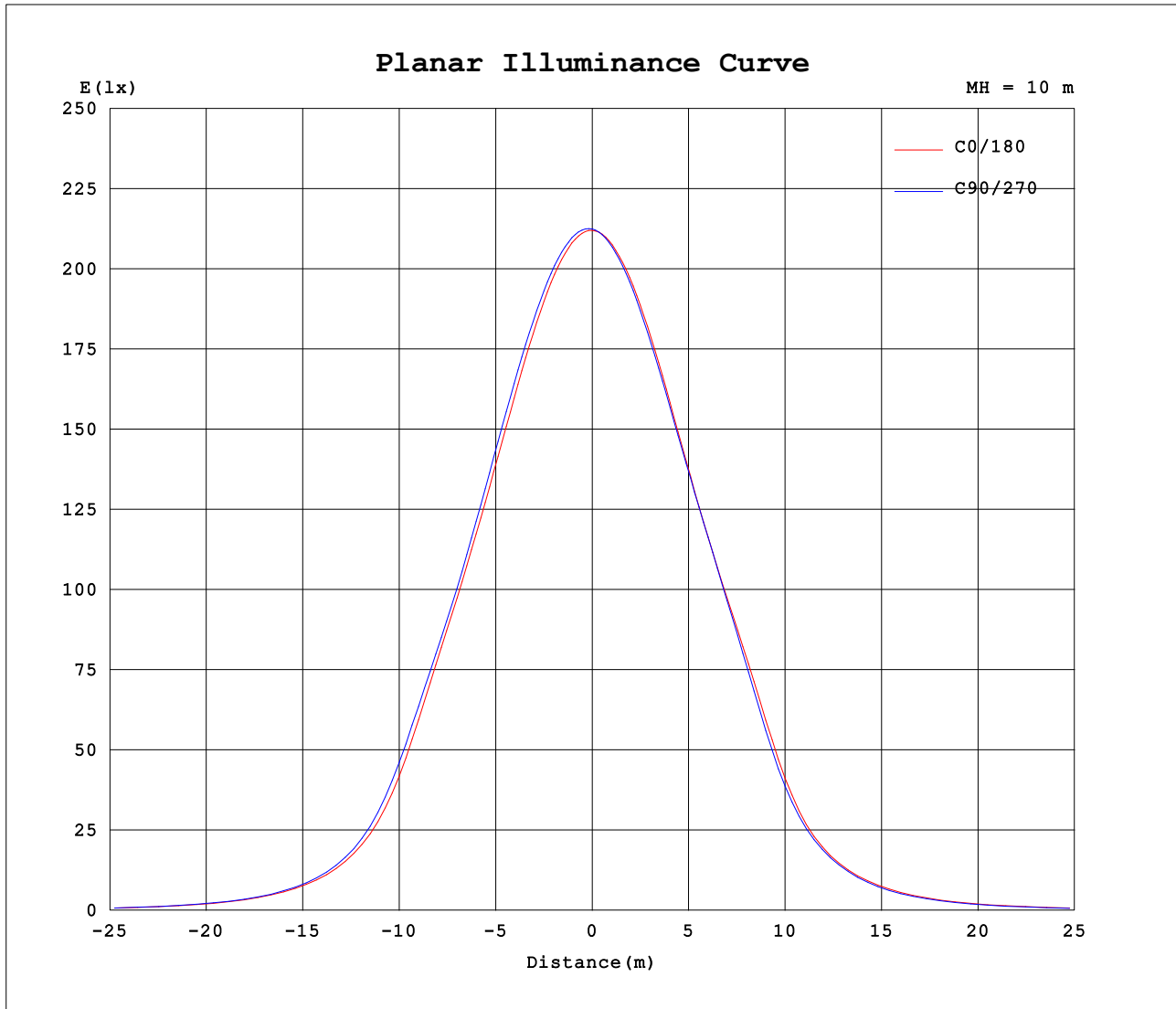
AvgL	cd/m2
L_0~180 (65) av	58579
L_0~180 (75) av	35095
L_0~180 (85) av	18406
L_90~270 (65) av	57220
L_90~270 (75) av	33636
L_90~270 (85) av	18181
L_45 (65) av	57926
L_45 (75) av	34272
L_45 (85) av	18422

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 January 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 January 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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	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	2120	2121	2122	2123	2124	2124	2124	2124	2125	2126	2127	2127	2120	2121	2122	2123	2124	2124	2124
5	2117	2122	2125	2129	2131	2132	2132	2131	2129	2127	2125	2122	2112	2109	2108	2107	2107	2106	2107
10	2102	2110	2116	2123	2127	2129	2127	2125	2121	2116	2110	2105	2091	2086	2083	2079	2079	2077	2078
15	2072	2085	2095	2104	2110	2113	2111	2107	2100	2092	2083	2074	2058	2050	2046	2041	2041	2037	2039
20	2027	2044	2057	2071	2078	2083	2080	2074	2063	2052	2038	2028	2010	2000	1996	1990	1990	1987	1989
25	1965	1983	1998	2017	2027	2034	2028	2021	2005	1992	1975	1964	1944	1935	1932	1926	1928	1927	1932
30	1883	1896	1907	1930	1940	1952	1947	1943	1924	1911	1892	1883	1865	1857	1857	1855	1859	1858	1864
35	1773	1784	1787	1802	1810	1828	1829	1830	1813	1804	1789	1784	1772	1765	1767	1762	1767	1755	1756
40	1579	1614	1624	1643	1645	1665	1661	1658	1630	1624	1600	1600	1587	1573	1575	1553	1554	1525	1523
45	1185	1250	1279	1324	1318	1339	1305	1293	1246	1233	1190	1192	1168	1139	1143	1112	1120	1089	1097
50	778	819	831	865	856	872	850	851	819	807	773	769	749	729	737	716	724	710	719
55	507	534	539	554	546	553	540	547	528	521	501	497	490	479	483	468	472	459	469
60	323	341	345	353	347	348	340	342	331	328	313	318	316	303	306	295	298	286	294
65	202	213	213	218	214	215	209	209	203	203	190	196	196	187	188	181	182	176	180
70	126	132	132	135	132	132	129	127	125	123	117	121	121	116	115	112	111	108	111
75	74.7	78.8	78.0	80.6	77.5	78.2	75.2	75.0	72.7	71.6	67.4	71.1	71.3	68.2	67.8	65.1	65.3	63.4	64.8
80	39.3	41.9	41.3	42.7	41.1	41.6	39.6	39.6	37.6	37.3	34.7	36.7	37.3	35.5	35.5	34.0	34.6	33.3	34.1
85	13.3	15.0	14.7	15.6	14.6	15.1	13.7	13.9	12.4	12.5	10.8	11.6	12.5	11.4	11.9	11.2	12.2	11.2	11.8
90	0.56	0.54	0.55	0.58	0.64	0.58	0.53	0.52	0.54	0.53	0.55	0.56	1.74	1.77	1.78	2.08	2.43	2.11	1.78
95	0.84	0.82	0.82	0.85	0.91	0.85	0.79	0.79	0.80	0.80	0.83	0.85	2.10	2.15	2.17	2.38	2.74	2.46	2.16
100	1.28	1.25	1.25	1.27	1.35	1.26	1.22	1.20	1.23	1.23	1.28	1.30	2.62	2.70	2.73	2.88	3.23	2.99	2.72
105	1.96	1.91	1.92	1.92	2.01	1.91	1.87	1.84	1.89	1.88	1.96	1.98	3.39	3.51	3.54	3.71	3.99	3.79	3.55
110	2.93	2.86	2.87	2.86	2.96	2.84	2.80	2.76	2.82	2.82	2.93	2.96	4.46	4.61	4.65	4.84	5.06	4.90	4.69
115	4.17	4.09	4.09	4.07	4.19	4.05	4.01	3.97	4.05	4.04	4.17	4.21	5.81	5.99	6.04	6.23	6.39	6.28	6.11
120	5.59	5.50	5.50	5.48	5.61	5.47	5.43	5.39	5.47	5.48	5.63	5.67	7.37	7.58	7.62	7.81	7.92	7.85	7.73
125	7.09	7.01	7.00	6.99	7.14	7.00	6.96	6.93	7.03	7.04	7.20	7.25	9.06	9.26	9.31	9.48	9.53	9.50	9.44
130	8.56	8.48	8.48	8.49	8.68	8.54	8.50	8.49	8.61	8.63	8.79	8.84	10.7	10.9	11.0	11.1	11.1	11.1	11.1
135	9.87	9.81	9.81	9.88	10.1	9.99	9.93	9.96	10.1	10.1	10.3	10.4	12.3	12.4	12.5	12.6	12.5	12.5	12.6
140	11.1	11.0	11.0	11.2	11.4	11.3	11.3	11.3	11.5	11.5	11.7	11.8	13.7	13.8	13.8	13.9	13.7	13.8	13.9
145	12.3	12.2	12.2	12.4	12.7	12.6	12.5	12.6	12.7	12.8	13.0	13.1	14.9	15.0	15.0	15.1	14.9	14.9	14.9
150	13.5	13.4	13.5	13.6	14.0	13.9	13.8	13.8	14.0	14.1	14.2	14.4	15.9	16.1	16.2	16.2	16.0	16.0	16.0
155	14.9	14.8	14.9	15.1	15.5	15.4	15.2	15.3	15.5	15.5	15.7	15.9	17.1	17.2	17.3	17.4	17.2	17.2	17.1
160	16.3	16.2	16.4	16.7	17.0	17.0	16.7	16.8	17.0	17.0	17.2	17.4	18.2	18.4	18.4	18.5	18.3	18.3	18.2
165	17.6	17.5	17.7	18.0	18.4	18.4	18.1	18.2	18.3	18.4	18.5	18.6	19.1	19.2	19.3	19.4	19.3	19.3	19.1
170	18.6	18.6	18.8	19.1	19.5	19.4	19.2	19.3	19.4	19.5	19.6	19.6	19.7	19.8	20.0	20.1	20.1	20.0	19.8
175	19.3	19.3	19.5	19.9	20.2	20.2	20.0	20.0	20.1	20.1	20.1	20.1	19.8	19.9	20.2	20.5	20.5	20.4	20.2
180	19.7	19.8	20.0	20.5	20.6	20.6	20.4	20.3	20.3	20.3	20.3	20.4	19.7	19.8	20.0	20.5	20.6	20.6	20.3

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:27 January 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:277.50V I:1.1095A P:300.34W PF:0.9755 Freq:50.01Hz Lamp Flux:45158.1x1 lm		
NAME: ASD-UHB2-300A50-BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 160*160*3.14	Shielding Angle:

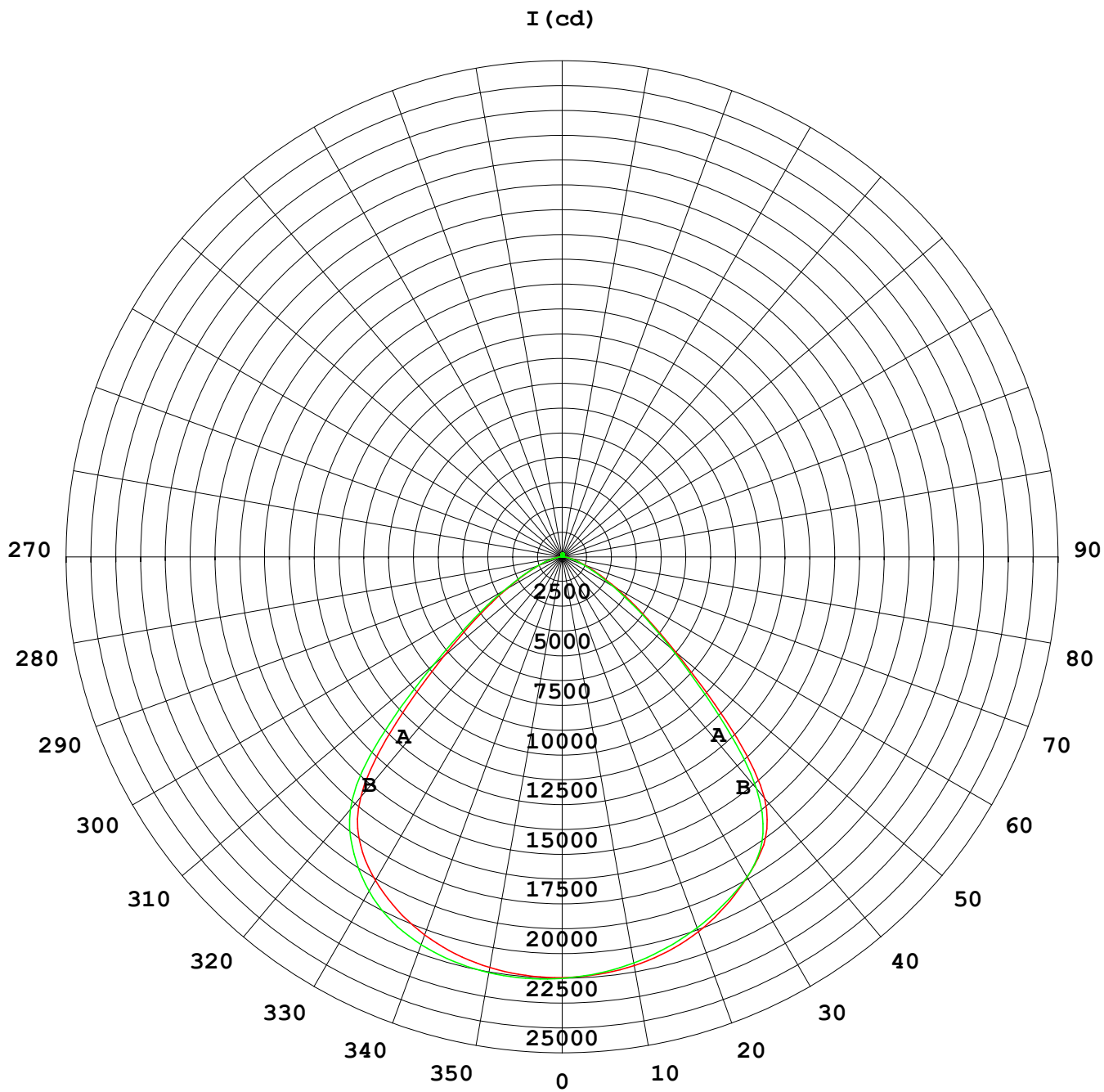
Table--2

UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2124	2125	2126	2127	2127														
5	2107	2110	2113	2117	2120														
10	2079	2084	2088	2095	2101														
15	2040	2047	2051	2061	2068														
20	1991	1999	2004	2013	2021														
25	1934	1942	1945	1953	1960														
30	1865	1872	1874	1880	1882														
35	1751	1762	1762	1771	1773														
40	1508	1526	1524	1550	1561														
45	1074	1090	1087	1131	1150														
50	706	720	716	745	754														
55	460	473	467	484	485														
60	288	300	296	305	306														
65	178	183	185	188	190														
70	108	112	114	117	118														
75	63.9	65.8	67.9	70.1	70.2														
80	33.8	35.1	36.0	37.8	37.7														
85	11.4	12.3	12.4	13.8	13.5														
90	1.77	1.74	1.73	1.70	1.70														
95	2.16	2.11	2.10	2.06	2.07														
100	2.72	2.66	2.64	2.59	2.59														
105	3.55	3.46	3.44	3.36	3.36														
110	4.69	4.57	4.55	4.44	4.43														
115	6.11	5.96	5.94	5.79	5.79														
120	7.73	7.56	7.53	7.37	7.36														
125	9.44	9.26	9.23	9.05	9.04														
130	11.1	10.9	10.9	10.7	10.7														
135	12.5	12.4	12.3	12.2	12.2														
140	13.8	13.6	13.6	13.5	13.5														
145	14.8	14.7	14.7	14.6	14.7														
150	15.9	15.7	15.7	15.6	15.7														
155	17.0	16.8	16.8	16.7	16.8														
160	18.1	18.0	18.0	17.9	18.0														
165	19.1	18.9	18.9	18.9	18.9														
170	19.8	19.7	19.7	19.6	19.7														
175	20.2	20.1	20.1	20.1	20.2														
180	20.3	20.3	20.3	20.3	20.4														

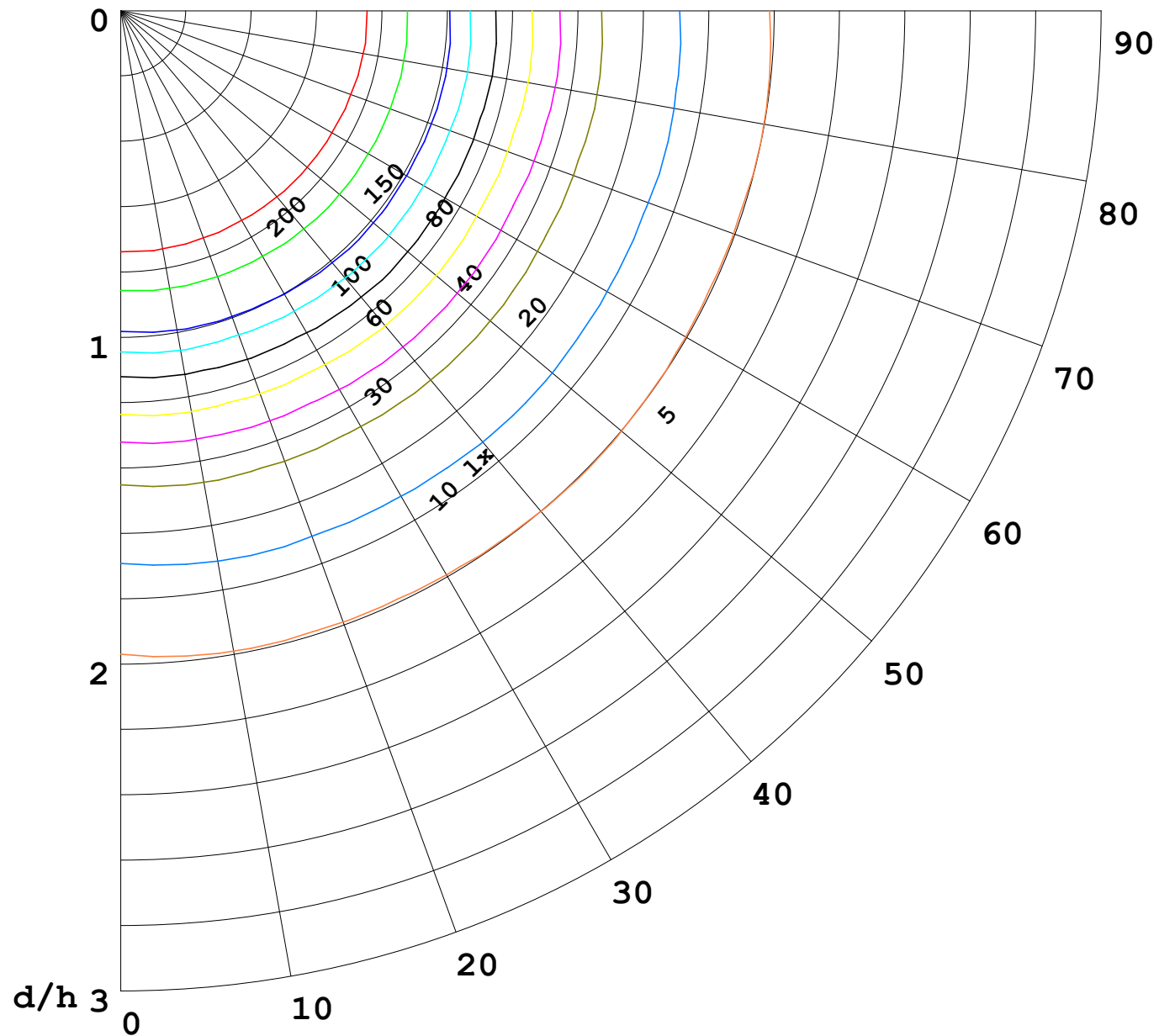
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:27 January 2024

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:



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

