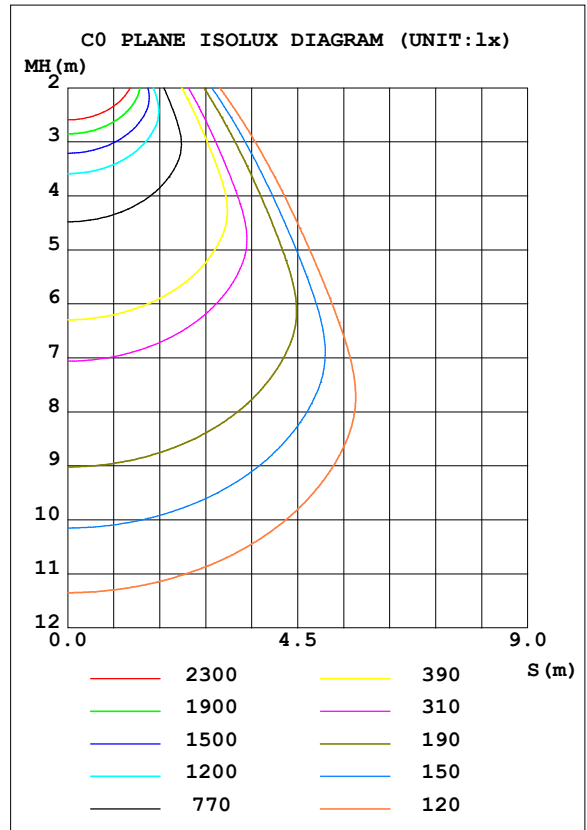
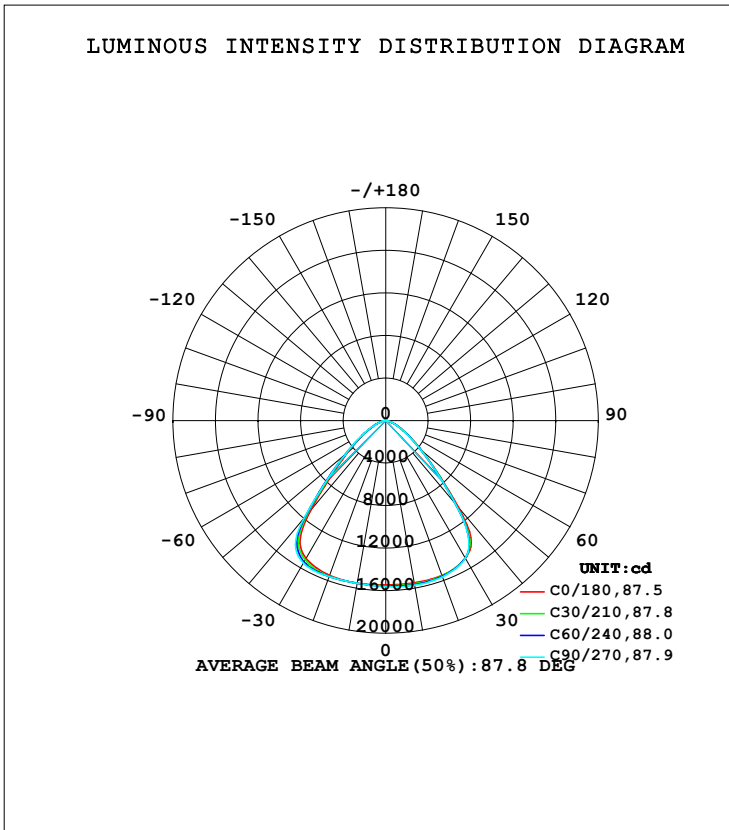


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 164.84 lm/W			
MODEL	ASD-UHB2A-PRO-200-BK	I _{max} (cd)	15743	S/MH (C0/180)	1.27
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	32425	η UP, DN (C0-180)	0.5, 48.6
NOMINAL FLUX (lm)	32425.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 50.3
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	98.9	CIBSE SHR MAX	1.30



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: 7.850m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

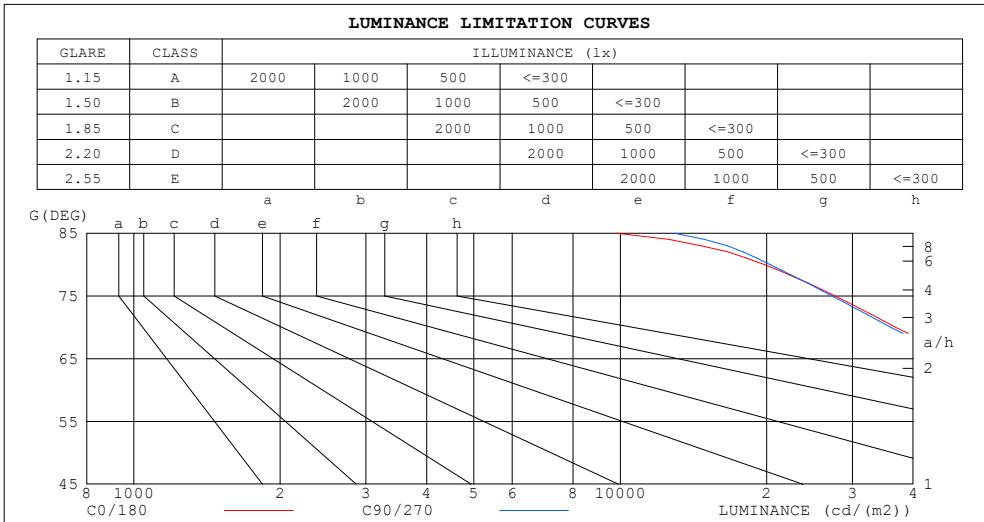
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1549	1562	1571	1573	1552	1554	1553	1558	0- 10	1488	1488	4.59,4.59
20	1549	1555	1563	1566	1548	1558	1560	1566	10- 20	4427	5915	18.2,18.2
30	1497	1495	1495	1505	1498	1523	1548	1535	20- 30	7144	13059	40.3,40.3
40	1063	1034	1018	1072	1095	1149	1193	1102	30- 40	8590	21649	66.8,66.8
50	451.1	444.4	436.5	471.1	467.3	498.5	501.2	471.2	40- 50	5616	27265	84.1,84.1
60	200.0	195.0	191.8	209.4	211.3	217.3	221.3	204.9	50- 60	2853	30118	92.9,92.9
70	77.58	76.32	75.74	83.10	85.08	83.62	84.95	78.07	60- 70	1345	31463	97,97
80	21.15	21.48	21.74	24.50	25.39	24.31	24.22	21.51	70- 80	506.4	31969	98.6,98.6
90	0.4266	0.4271	0.4292	0.4140	1.256	1.259	1.256	1.290	80- 90	93.99	32063	98.9,98.9
100	0.9120	0.9245	0.9361	0.8739	1.806	1.818	1.802	1.878	90-100	11.72	32075	98.9,98.9
110	1.986	2.044	2.088	1.947	2.929	2.921	2.900	3.044	100-110	19.63	32095	99,99
120	3.979	4.100	4.197	3.972	4.992	4.957	4.911	5.126	110-120	33.98	32129	99.1,99.1
130	6.527	6.700	6.842	6.589	7.660	7.602	7.545	7.781	120-130	52.06	32181	99.2,99.2
140	8.962	9.188	9.331	9.130	10.08	10.03	9.960	10.19	130-140	65.05	32246	99.4,99.4
150	10.90	11.21	11.33	11.20	11.87	11.81	11.76	11.96	140-150	66.41	32312	99.7,99.7
160	13.12	13.40	13.53	13.38	13.67	13.59	13.52	13.72	150-160	57.46	32370	99.8,99.8
170	15.18	15.38	15.47	15.34	15.45	15.43	15.29	15.38	160-170	40.85	32410	100,100
180	16.07	16.14	16.04	16.01	16.03	16.16	16.03	16.02	170-180	15.00	32425	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: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:7.850m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9840	12934
80	19795	20343
75	27662	27249
70	36855	35981
65	49299	47427
60	64993	62325
55	85268	82030
50	114023	110345
45	157275	151733

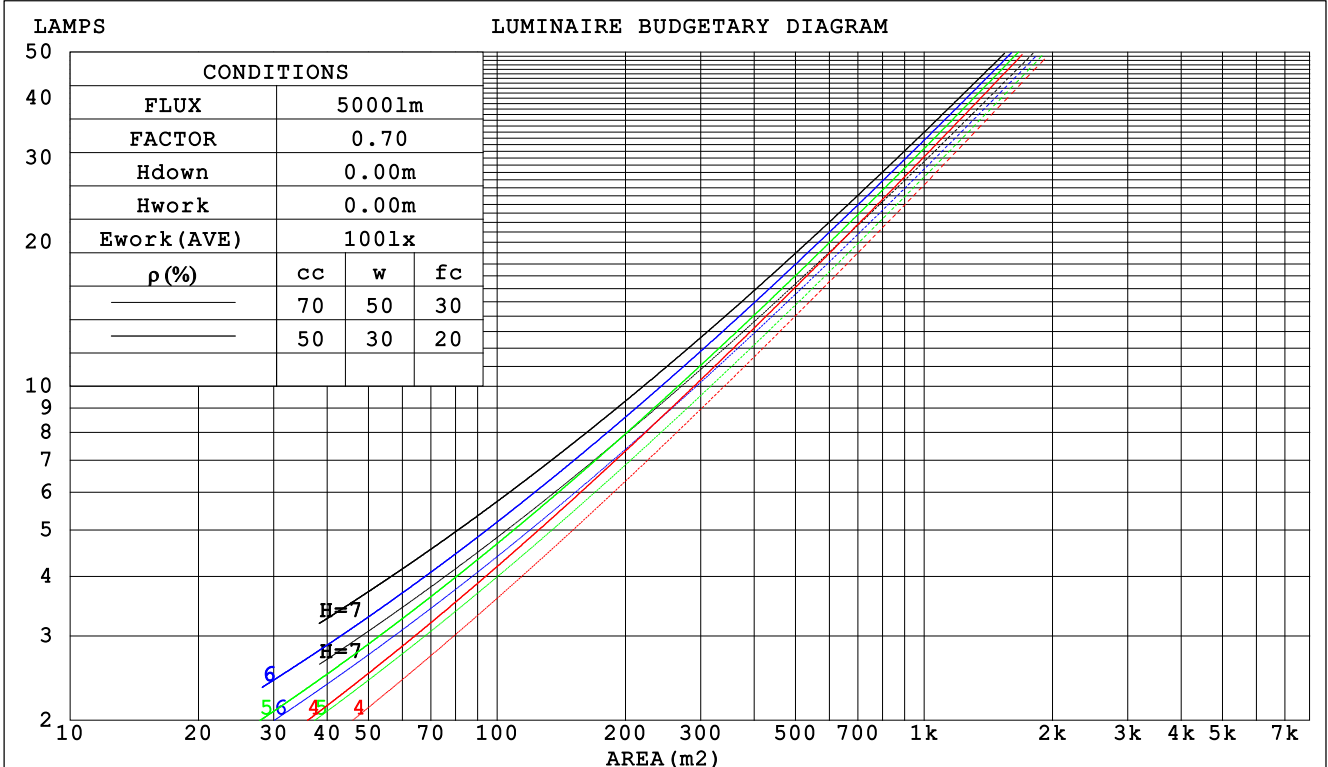
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-5-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.08	1.04	1.02	1.05	1.02	.90	1.01	.99	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.88	.85	.82	.85	.83	.80	.78
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.80	.76	.73	.78	.74	.71	.69
4.0	.80	.72	.67	.78	.71	.66	.76	.70	.65	.73	.68	.64	.71	.67	.63	.62
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.58	.65	.61	.57	.55
6.0	.66	.58	.53	.65	.58	.53	.63	.57	.52	.62	.56	.52	.60	.55	.51	.49
7.0	.61	.53	.48	.60	.53	.47	.58	.52	.47	.57	.51	.47	.55	.50	.46	.45
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.43	.53	.47	.42	.51	.46	.42	.40
9.0	.52	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.37
10.0	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.35	.44	.39	.35	.34



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:7.850m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*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	.232	.132	.042	.225	.128	.041	.211	.121	.039	.199	.115	.037	.187	.109	.035	
2.0	.225	.123	.038	.219	.121	.037	.207	.115	.036	.197	.110	.035	.187	.106	.033	
3.0	.215	.114	.034	.209	.112	.034	.199	.108	.033	.190	.104	.032	.181	.100	.031	
4.0	.203	.106	.031	.198	.104	.031	.189	.100	.030	.181	.097	.029	.173	.094	.029	
5.0	.192	.098	.028	.188	.096	.028	.180	.094	.028	.172	.091	.027	.166	.088	.027	
6.0	.182	.091	.026	.178	.090	.026	.171	.088	.025	.164	.085	.025	.158	.083	.025	
7.0	.172	.085	.024	.169	.084	.024	.162	.082	.024	.156	.080	.023	.151	.078	.023	
8.0	.163	.080	.022	.160	.079	.022	.154	.077	.022	.149	.075	.022	.144	.074	.021	
9.0	.155	.075	.021	.152	.074	.021	.147	.073	.021	.142	.071	.020	.137	.070	.020	
10.0	.147	.070	.020	.145	.070	.019	.140	.068	.019	.135	.067	.019	.131	.066	.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	.183	.165	.149	.157	.142	.128	.107	.098	.089	.062	.057	.052	.020	.018	.017	
2.0	.172	.141	.115	.147	.121	.099	.101	.084	.069	.058	.049	.041	.019	.016	.013	
3.0	.163	.123	.091	.139	.106	.079	.096	.073	.055	.055	.043	.033	.018	.014	.011	
4.0	.154	.109	.074	.132	.094	.064	.091	.065	.045	.053	.038	.027	.017	.012	.009	
5.0	.147	.098	.062	.126	.085	.054	.087	.059	.038	.050	.035	.022	.016	.011	.007	
6.0	.140	.089	.053	.121	.077	.046	.083	.054	.032	.048	.032	.019	.016	.010	.006	
7.0	.134	.082	.046	.115	.071	.040	.080	.050	.028	.046	.029	.017	.015	.010	.006	
8.0	.128	.076	.040	.111	.066	.035	.076	.046	.025	.044	.027	.015	.014	.009	.005	
9.0	.123	.071	.036	.106	.062	.032	.073	.044	.022	.043	.026	.013	.014	.008	.004	
10.0	.118	.067	.033	.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:7.850m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz										
Lamp Flux:32425.4x1 lm										
NAME: ASD-UHB2A-PRO-200-BK					TYPE:			WEIGHT:		
SPEC.: 200W 5000K					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 140*140*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	24.8	26.1	25.2	26.5	26.8	24.8	26.1	25.1	26.4	26.7
3H	25.5	26.7	25.9	27.0	27.4	25.4	26.6	25.8	26.9	27.3
4H	25.7	26.8	26.1	27.1	27.6	25.6	26.7	26.0	27.0	27.5
6H	25.8	26.7	26.2	27.1	27.6	25.7	26.7	26.1	27.0	27.5
8H	25.8	26.7	26.2	27.1	27.5	25.7	26.6	26.1	27.0	27.4
12H	25.7	26.6	26.2	27.0	27.5	25.6	26.5	26.1	26.9	27.4
4H 2H	25.0	26.1	25.5	26.5	26.9	25.0	26.1	25.4	26.5	26.9
3H	25.9	26.7	26.3	27.2	27.6	25.8	26.7	26.3	27.1	27.6
4H	26.1	26.9	26.5	27.3	27.8	26.1	26.9	26.5	27.3	27.8
6H	26.2	26.9	26.7	27.3	27.8	26.2	26.9	26.7	27.3	27.8
8H	26.2	26.8	26.7	27.3	27.8	26.2	26.8	26.7	27.3	27.8
12H	26.2	26.7	26.7	27.2	27.7	26.2	26.8	26.7	27.3	27.8
8H 4H	26.1	26.7	26.6	27.2	27.7	26.1	26.7	26.6	27.2	27.7
6H	26.2	26.8	26.8	27.3	27.8	26.3	26.8	26.8	27.3	27.8
8H	26.3	26.7	26.8	27.3	27.8	26.3	26.8	26.9	27.3	27.8
12H	26.3	26.7	26.8	27.2	27.8	26.3	26.7	26.9	27.3	27.9
12H 4H	26.1	26.6	26.6	27.1	27.6	26.1	26.6	26.6	27.1	27.6
6H	26.2	26.7	26.8	27.2	27.7	26.3	26.7	26.8	27.2	27.8
8H	26.3	26.7	26.8	27.2	27.8	26.3	26.7	26.9	27.3	27.8
CIE190: 2010										

CIE190: 2010
Area: 0.061544 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:7.850m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

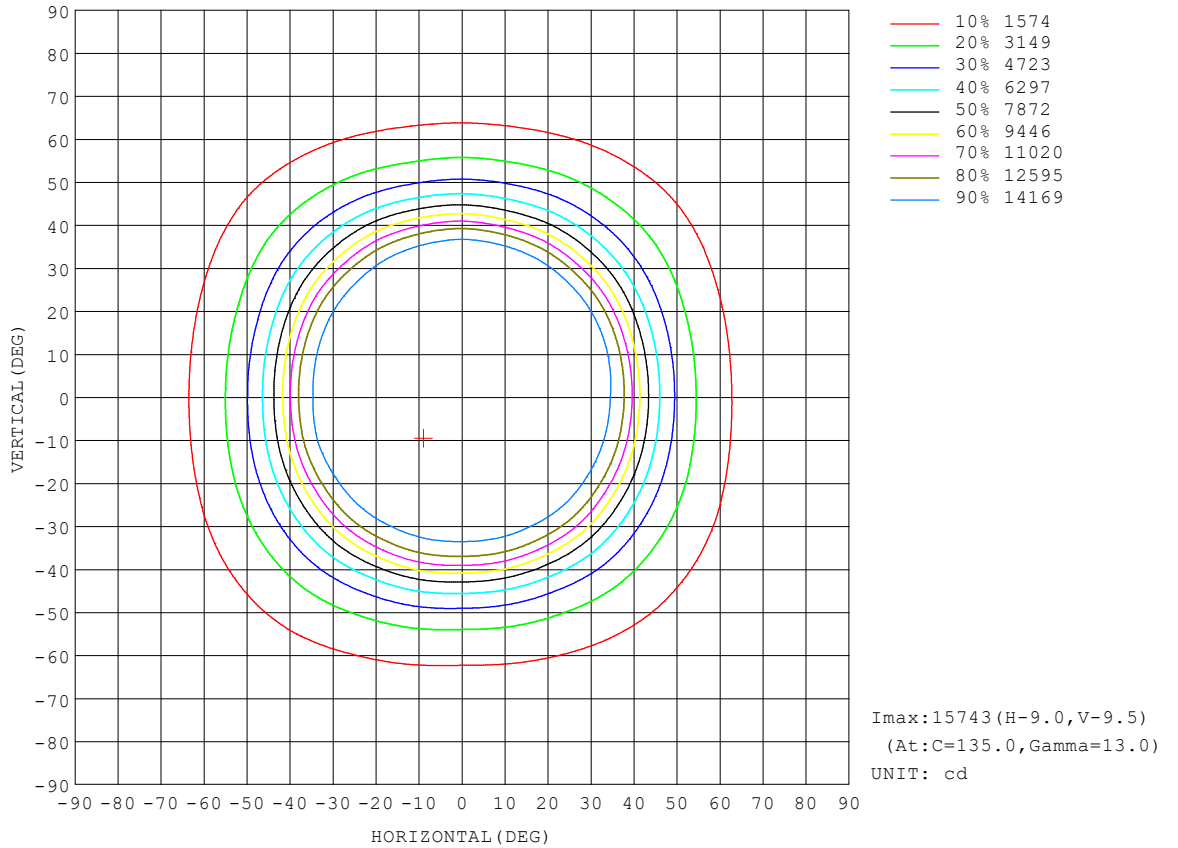
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	71	61	56	70	61	56	69	61	55	50
0.80	80	71	66	79	71	65	78	70	65	59
1.00	87	79	74	86	79	73	84	79	73	67
1.25	93	86	81	92	85	80	90	84	79	73
1.50	97	90	85	96	89	85	93	88	84	78
2.00	102	96	92	101	95	91	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	103	99	105	101	97	102	98	95	87
4.00	110	106	103	108	104	101	104	101	99	90
5.00	112	108	106	109	106	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

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:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

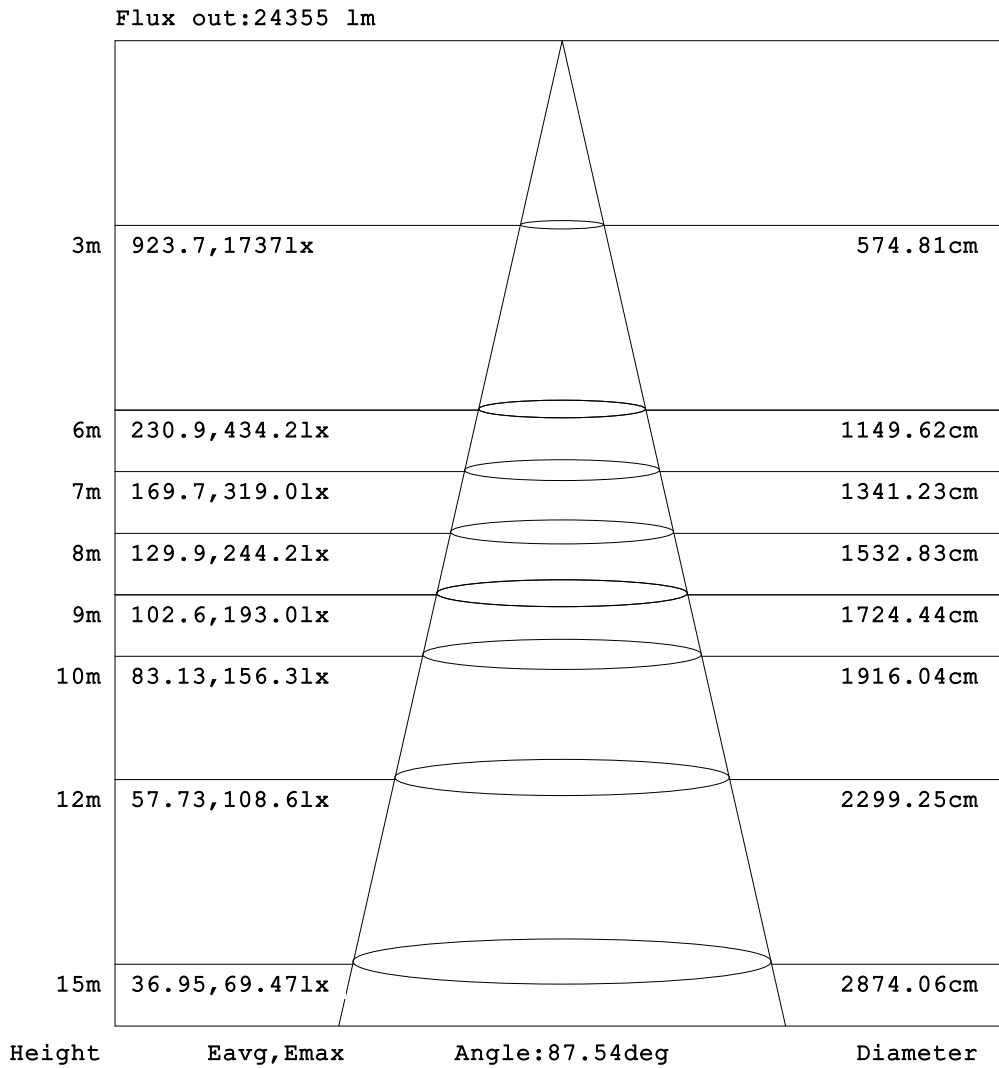


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-5-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:



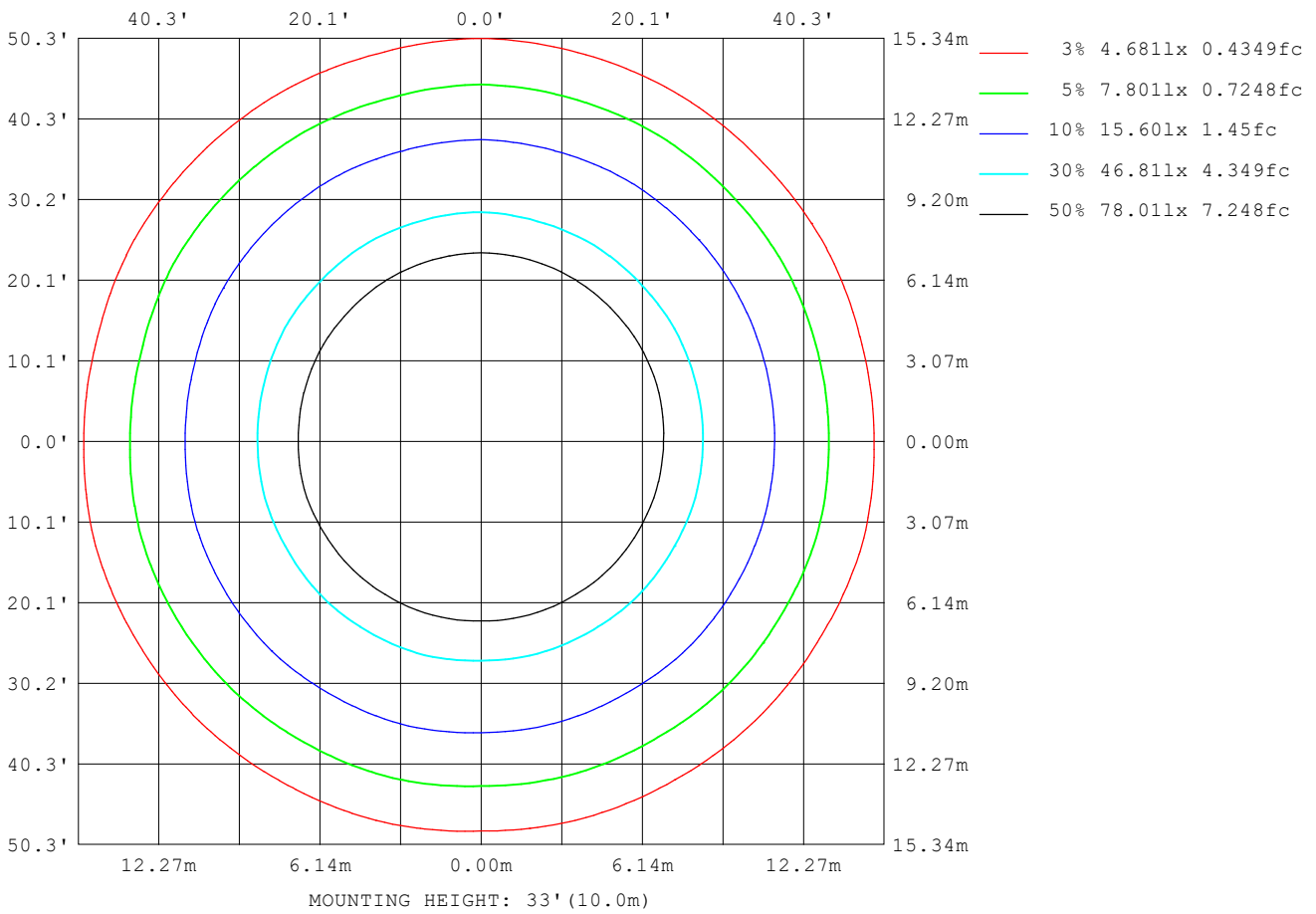
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:7.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*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:7.850m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

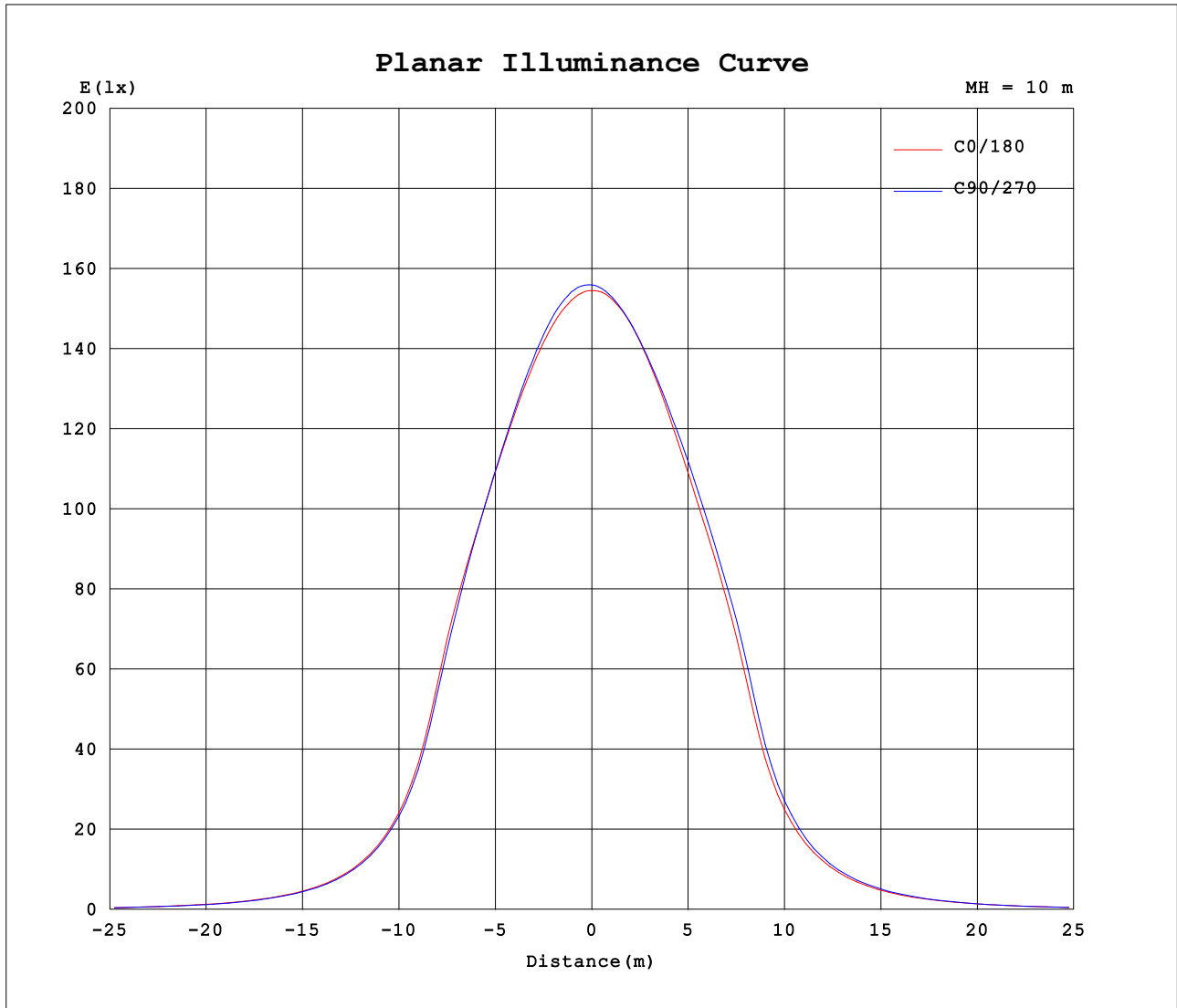
AvgL	cd/m2
L_0~180 (65) av	51139
L_0~180 (75) av	29338
L_0~180 (85) av	13355
L_90~270 (65) av	50752
L_90~270 (75) av	28832
L_90~270 (85) av	13568
L_45 (65) av	50763
L_45 (75) av	28870
L_45 (85) av	13442

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: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: 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: 7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*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	1545	1549	1553	1555	1557	1558	1560	1561	1561	1562	1562	1563	1545	1549	1553	1555	1557	1558	1560
5	1546	1551	1555	1558	1562	1564	1566	1567	1567	1568	1568	1568	1549	1551	1552	1553	1554	1554	1555
10	1549	1553	1558	1562	1566	1569	1571	1573	1573	1573	1573	1572	1552	1553	1554	1554	1554	1553	1553
15	1551	1555	1559	1562	1566	1569	1571	1573	1574	1574	1573	1573	1553	1555	1557	1556	1556	1556	1556
20	1549	1551	1552	1555	1557	1560	1563	1565	1565	1566	1565	1566	1548	1553	1557	1558	1560	1560	1560
25	1535	1534	1533	1535	1537	1540	1541	1544	1545	1546	1547	1550	1531	1539	1548	1554	1559	1563	1565
30	1497	1497	1496	1495	1494	1496	1495	1498	1500	1505	1510	1517	1498	1504	1513	1523	1535	1543	1548
35	1402	1394	1381	1379	1367	1368	1362	1374	1377	1389	1394	1414	1407	1419	1432	1438	1455	1464	1474
40	1063	1055	1029	1034	1018	1028	1018	1052	1055	1072	1069	1095	1095	1115	1146	1149	1177	1178	1193
45	684	683	670	672	659	664	660	683	687	707	706	716	706	723	751	758	777	766	770
50	451	452	446	444	434	437	437	452	458	471	475	478	467	472	493	499	504	495	501
55	301	307	297	295	291	293	290	303	306	316	318	322	315	315	329	331	333	327	334
60	200	205	197	195	194	195	192	200	203	209	210	215	211	212	218	217	219	216	221
65	128	132	126	125	126	126	123	129	131	135	136	139	138	137	140	137	139	138	141
70	77.6	80.2	75.8	76.3	77.0	78.3	75.7	79.5	79.9	83.1	82.3	85.2	85.1	83.3	85.1	83.6	84.1	83.4	84.9
75	44.1	45.5	43.1	43.6	44.0	45.0	43.4	46.0	46.2	48.1	47.2	49.1	49.4	48.2	49.3	47.9	48.2	47.7	48.4
80	21.2	22.0	21.0	21.5	21.9	22.5	21.7	23.3	23.5	24.5	24.0	25.0	25.4	24.7	25.2	24.3	24.5	23.9	24.2
85	5.28	5.84	5.70	6.31	6.45	7.27	6.94	7.99	8.16	8.68	8.32	8.66	9.05	8.48	8.74	8.00	8.05	7.51	7.62
90	0.43	0.42	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.41	0.41	0.41	1.26	1.26	1.26	1.26	1.25	1.26	1.26
95	0.62	0.62	0.63	0.63	0.63	0.62	0.63	0.61	0.61	0.59	0.59	0.58	1.48	1.50	1.48	1.49	1.48	1.49	1.49
100	0.91	0.91	0.93	0.92	0.94	0.92	0.94	0.90	0.90	0.87	0.88	0.86	1.81	1.82	1.80	1.82	1.80	1.81	1.80
105	1.34	1.35	1.38	1.38	1.40	1.39	1.39	1.35	1.34	1.31	1.30	1.28	2.27	2.28	2.26	2.27	2.25	2.26	2.25
110	1.99	1.99	2.05	2.04	2.09	2.07	2.09	2.02	2.01	1.95	1.94	1.90	2.93	2.94	2.90	2.92	2.89	2.91	2.90
115	2.88	2.89	2.97	2.97	3.03	3.01	3.04	2.95	2.93	2.85	2.84	2.78	3.85	3.86	3.80	3.82	3.78	3.81	3.79
120	3.98	4.00	4.10	4.10	4.18	4.16	4.20	4.09	4.07	3.97	3.96	3.89	4.99	5.01	4.93	4.96	4.90	4.94	4.91
125	5.22	5.26	5.36	5.37	5.47	5.45	5.49	5.38	5.36	5.25	5.23	5.15	6.30	6.31	6.23	6.25	6.18	6.23	6.19
130	6.53	6.56	6.68	6.70	6.81	6.79	6.84	6.73	6.70	6.59	6.57	6.48	7.66	7.67	7.58	7.60	7.54	7.58	7.55
135	7.80	7.84	7.95	7.99	8.10	8.10	8.14	8.04	8.01	7.91	7.90	7.81	8.95	8.96	8.88	8.89	8.82	8.86	8.83
140	8.96	9.00	9.12	9.19	9.30	9.29	9.33	9.24	9.22	9.13	9.12	9.03	10.1	10.1	10.0	10.0	9.97	9.99	9.96
145	9.97	10.0	10.2	10.3	10.3	10.3	10.4	10.3	10.3	10.2	10.2	10.1	11.0	11.1	11.0	11.0	10.9	11.0	10.9
150	10.9	11.0	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.2	11.1	11.9	11.9	11.8	11.8	11.8	11.8	11.8
155	11.9	12.0	12.2	12.2	12.3	12.3	12.4	12.3	12.3	12.2	12.2	12.1	12.7	12.7	12.6	12.6	12.6	12.6	12.6
160	13.1	13.2	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.4	13.4	13.3	13.7	13.7	13.6	13.6	13.5	13.6	13.5
165	14.3	14.3	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.5	14.5	14.4	14.7	14.7	14.6	14.6	14.5	14.5	14.5
170	15.2	15.2	15.4	15.4	15.5	15.4	15.5	15.4	15.4	15.3	15.3	15.3	15.5	15.5	15.5	15.4	15.3	15.3	15.3
175	15.8	15.8	15.9	15.9	16.0	15.9	15.9	15.9	15.9	15.8	15.9	15.8	15.9	16.0	15.9	15.9	15.9	15.8	15.8
180	16.1	16.1	16.2	16.1	16.1	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.2	16.1	16.1	16.0

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:7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:1.6438A P:196.71W PF:0.9972 Freq:50.01Hz Lamp Flux:32425.4x1 lm		
NAME: ASD-UHB2A-PRO-200-BK	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 140*140*3.14	Shielding Angle:

Table--2

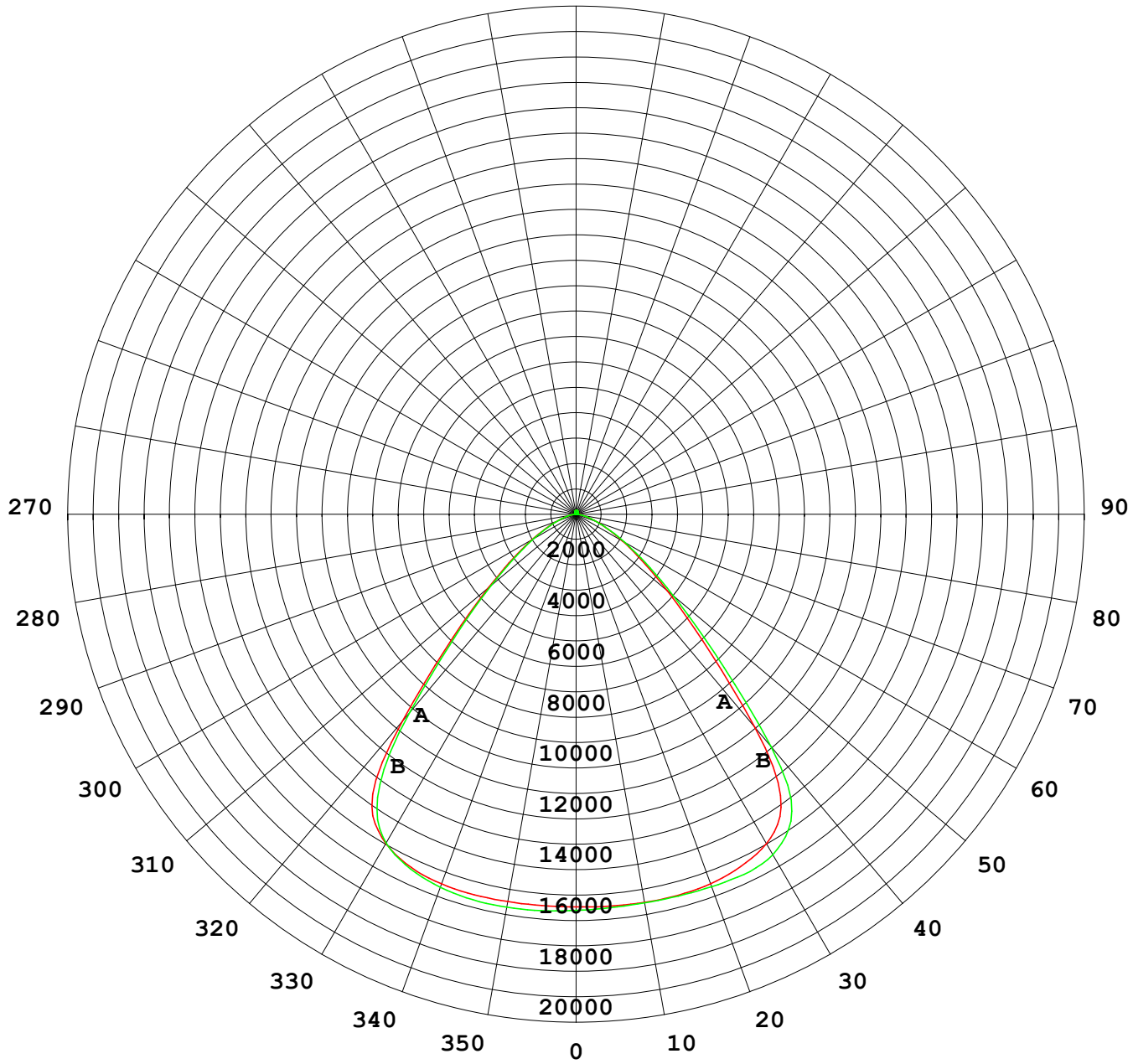
UNIT: X10cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	1561	1561	1562	1562	1563														
5	1556	1557	1559	1560	1561														
10	1554	1556	1558	1561	1564														
15	1557	1560	1562	1564	1567														
20	1562	1564	1566	1567	1568														
25	1566	1566	1565	1562	1558														
30	1546	1542	1535	1529	1521														
35	1467	1457	1442	1436	1425														
40	1155	1140	1102	1096	1074														
45	744	742	719	711	694														
50	489	486	471	465	455														
55	326	322	312	311	302														
60	215	211	205	204	198														
65	137	134	130	129	126														
70	82.0	80.7	78.1	77.7	76.1														
75	46.4	45.6	44.2	44.3	43.4														
80	22.8	22.4	21.5	21.9	21.3														
85	6.52	6.49	5.85	6.21	5.91														
90	1.27	1.28	1.29	1.29	1.30														
95	1.51	1.51	1.54	1.54	1.55														
100	1.84	1.84	1.88	1.88	1.90														
105	2.30	2.31	2.36	2.36	2.38														
110	2.97	2.98	3.04	3.04	3.07														
115	3.88	3.90	3.97	3.96	4.01														
120	5.02	5.03	5.13	5.11	5.19														
125	6.32	6.33	6.43	6.42	6.51														
130	7.67	7.68	7.78	7.78	7.87														
135	8.94	8.96	9.06	9.07	9.16														
140	10.1	10.1	10.2	10.2	10.3														
145	11.0	11.0	11.1	11.2	11.2														
150	11.8	11.9	12.0	12.0	12.1														
155	12.7	12.7	12.8	12.8	12.9														
160	13.6	13.6	13.7	13.8	13.8														
165	14.6	14.6	14.6	14.7	14.8														
170	15.3	15.3	15.4	15.4	15.5														
175	15.8	15.8	15.8	15.9	15.9														
180	16.0	16.0	16.0	16.0	16.1														

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

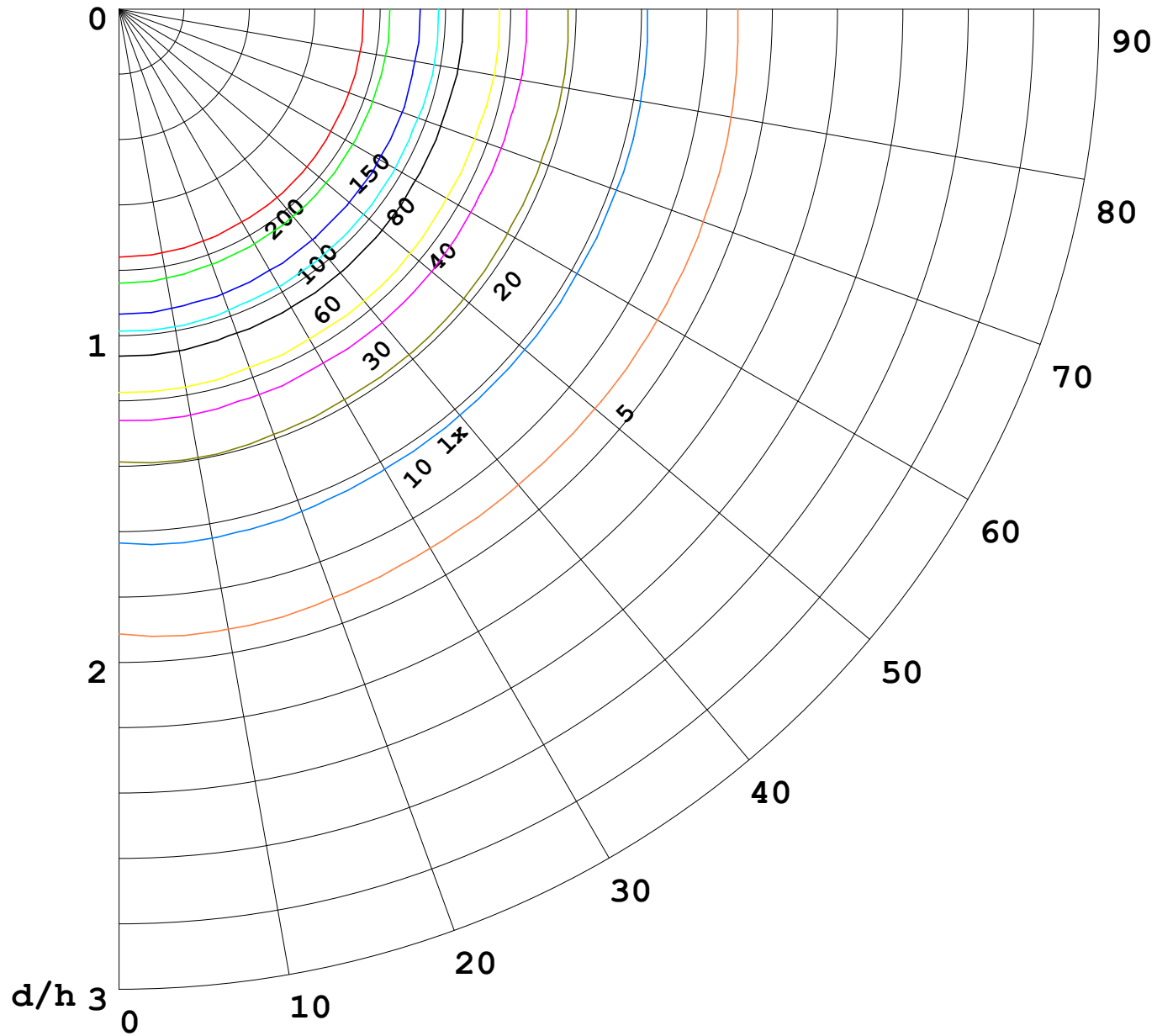
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

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

