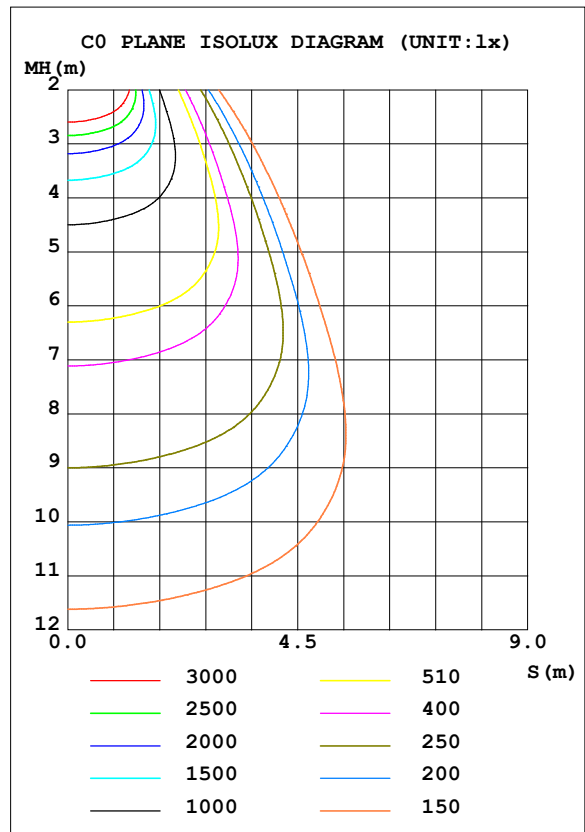
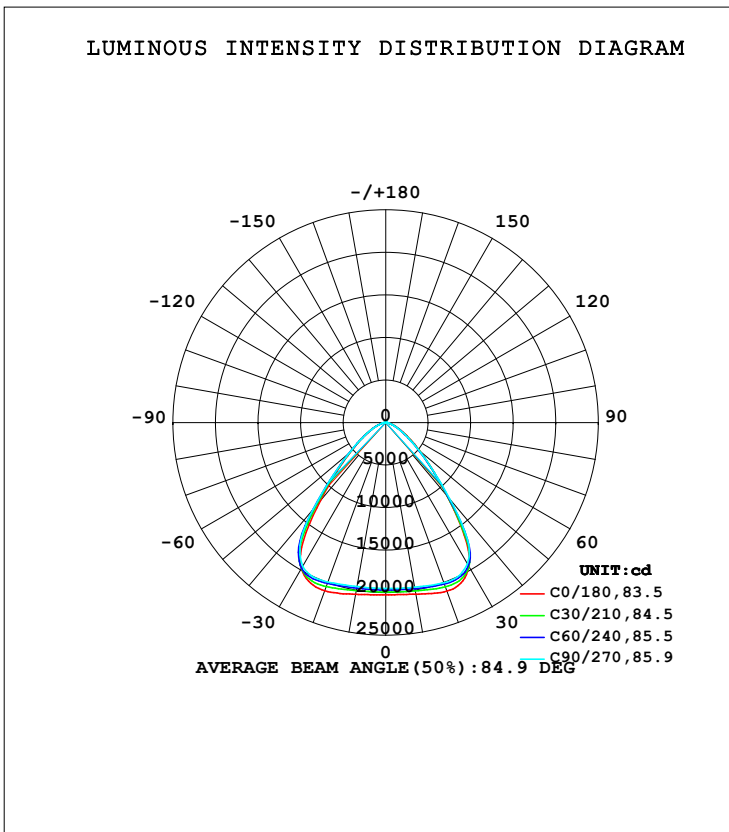


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		
SPEC.: 240W 5000K		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.51 lm/W			
MODEL	ASD-UHB2A-PRO-240-BK	I _{max} (cd)	21096	S/MH (C0/180)	1.21
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	39597	η UP, DN (C0-180)	0.5, 48.7
NOMINAL FLUX (lm)	39597	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 50.2
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	98.9	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: 7.850m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

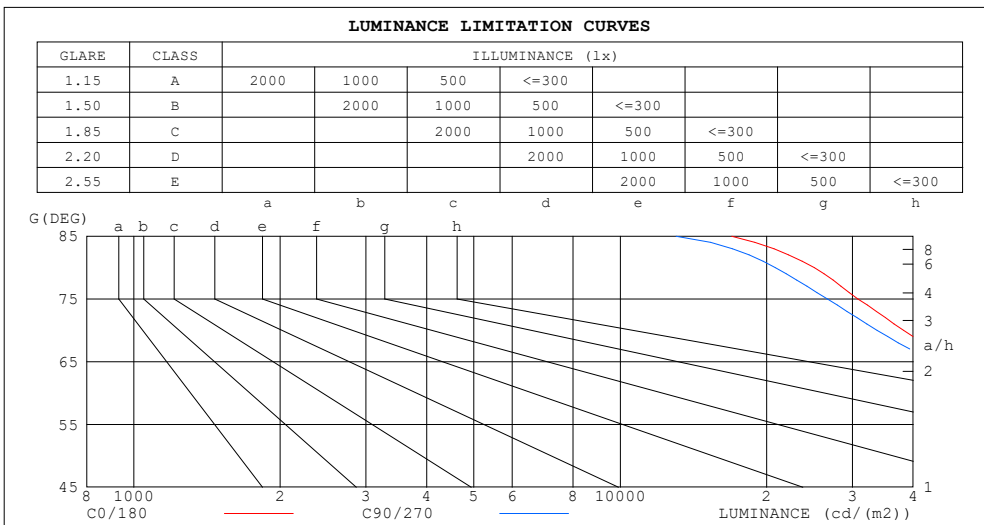
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2048	1994	1965	1949	2049	1988	1957	1946	0- 10	1880	1880	4.75,4.75
20	2108	2033	2004	1987	2102	2028	1993	1993	10- 20	5668	7547	19.1,19.1
30	1955	1960	1918	1906	1984	1977	1951	1900	20- 30	9264	16811	42.5,42.5
40	1120	1152	1166	1173	1199	1282	1332	1203	30- 40	10212	27023	68.2,68.2
50	529.5	524.2	511.9	539.9	551.6	557.7	570.9	555.4	40- 50	6350	33373	84.3,84.3
60	248.3	238.9	228.2	244.2	251.8	249.2	254.8	254.9	50- 60	3341	36714	92.7,92.7
70	105.1	98.33	92.71	100.2	107.6	104.4	104.8	105.1	60- 70	1634	38348	96.8,96.8
80	34.99	31.73	29.06	31.96	36.99	34.48	34.21	34.23	70- 80	669.6	39018	98.5,98.5
90	0.5387	0.5308	0.5274	0.5198	1.618	1.573	1.536	1.552	80- 90	143.7	39161	98.9,98.9
100	1.106	1.099	1.103	1.087	2.311	2.237	2.179	2.221	90-100	14.38	39176	98.9,98.9
110	2.315	2.331	2.363	2.278	3.597	3.514	3.446	3.526	100-110	23.41	39199	99,99
120	4.622	4.733	4.784	4.552	5.950	5.916	5.834	5.933	110-120	39.54	39239	99.1,99.1
130	7.839	7.948	7.975	7.664	9.248	9.210	9.086	9.153	120-130	61.24	39300	99.2,99.2
140	11.06	11.08	11.04	10.76	12.47	12.31	12.14	12.13	130-140	77.82	39378	99.4,99.4
150	13.71	13.66	13.59	13.34	14.94	14.63	14.41	14.34	140-150	80.39	39458	99.6,99.6
160	16.47	16.43	16.29	15.96	17.19	16.87	16.58	16.45	150-160	69.97	39528	99.8,99.8
170	19.63	19.39	19.05	18.77	19.88	19.43	19.09	18.86	160-170	50.24	39578	100,100
180	21.04	20.60	20.08	19.93	21.21	20.49	20.15	19.89	170-180	18.80	39597	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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	16956	13016
80	25068	20822
75	30821	26663
70	38230	33721
65	48550	43579
60	61779	56767
55	79038	74468
50	102482	99065
45	134878	135388

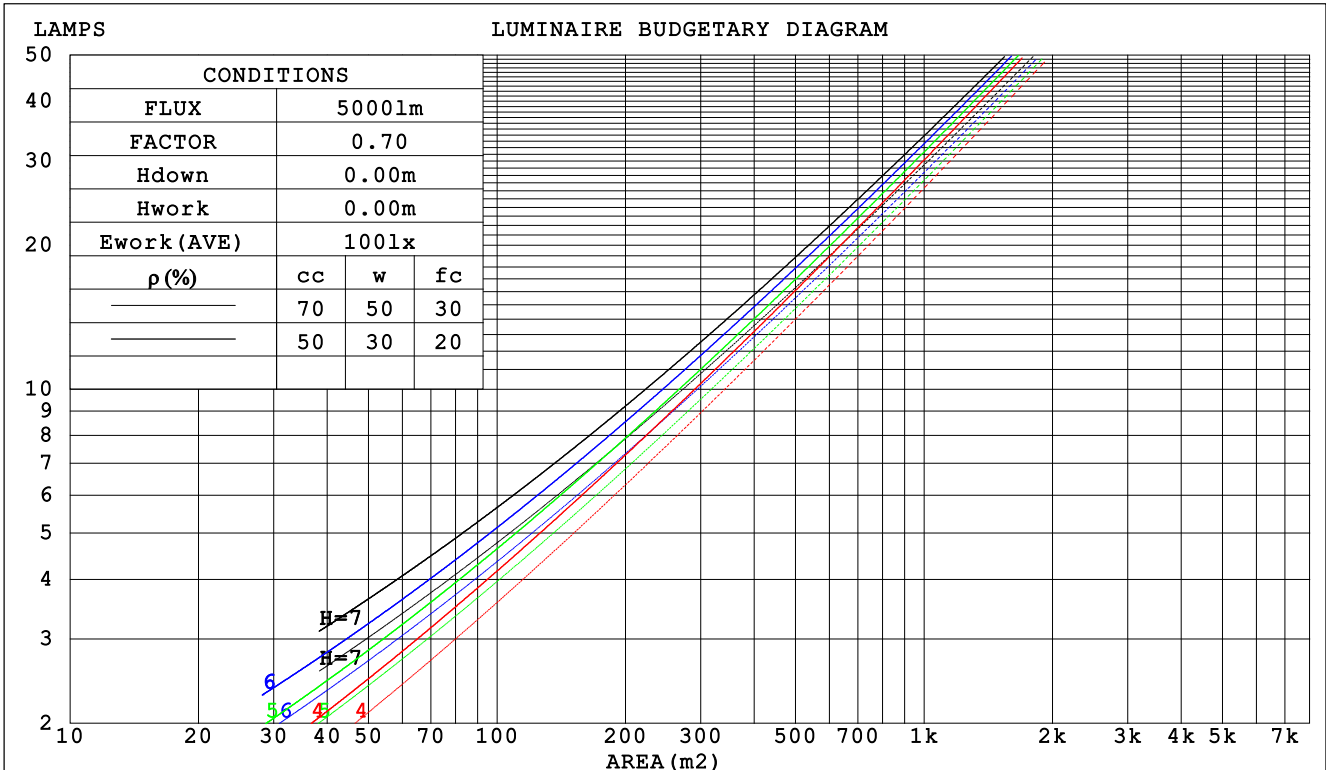
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-5-27

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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρw																
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	1.02	.90	1.01	.99	.97	.97	.95	.93	.93	.92	.91	.89
2.0	.97	.92	.88	.95	.91	.86	.92	.88	.84	.89	.85	.82	.86	.83	.80	.78
3.0	.88	.82	.76	.86	.80	.76	.83	.78	.74	.81	.76	.73	.78	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.70	.66	.74	.69	.65	.72	.67	.64	.62
5.0	.73	.65	.60	.72	.65	.60	.70	.64	.59	.68	.62	.58	.66	.61	.57	.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	.57	.52	.47	.56	.51	.47	.45
8.0	.56	.49	.44	.56	.49	.44	.54	.48	.43	.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	.36	.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:7.850m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
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	.231	.131	.042	.224	.128	.041	.210	.121	.039	.198	.114	.037	.187	.108	.035	
2.0	.224	.123	.038	.218	.120	.037	.206	.114	.036	.195	.109	.034	.185	.105	.033	
3.0	.213	.113	.034	.207	.111	.033	.197	.107	.032	.188	.103	.032	.179	.099	.031	
4.0	.201	.105	.031	.197	.103	.030	.188	.100	.030	.179	.096	.029	.172	.093	.028	
5.0	.190	.097	.028	.186	.096	.028	.178	.093	.027	.171	.090	.027	.164	.088	.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	.161	.081	.023	.155	.079	.023	.149	.077	.023	
8.0	.161	.079	.022	.158	.078	.022	.153	.076	.022	.147	.075	.022	.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	.067	.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																
1.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
2.0	.183	.165	.149	.157	.142	.128	.107	.098	.089	.062	.056	.052	.020	.018	.017	
3.0	.172	.141	.115	.147	.121	.099	.101	.084	.069	.058	.049	.041	.019	.016	.013	
4.0	.162	.122	.091	.139	.106	.079	.095	.073	.055	.055	.043	.033	.018	.014	.011	
5.0	.154	.109	.074	.132	.094	.064	.091	.065	.045	.052	.038	.027	.017	.012	.009	
6.0	.146	.098	.062	.126	.084	.054	.086	.059	.038	.050	.035	.023	.016	.011	.007	
7.0	.139	.089	.053	.120	.077	.046	.083	.054	.032	.048	.032	.019	.015	.010	.006	
8.0	.133	.082	.046	.115	.071	.040	.079	.050	.028	.046	.029	.017	.015	.010	.006	
9.0	.128	.076	.040	.110	.066	.035	.076	.046	.025	.044	.027	.015	.014	.009	.005	
10.0	.122	.071	.036	.105	.062	.032	.073	.043	.023	.043	.026	.013	.014	.008	.004	
10.0	.117	.067	.033	.101	.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: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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz										
Lamp Flux:39597x1 lm										
NAME: ASD-UHB2A-PRO-240-BK					TYPE:					
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	24.5	25.7	24.8	26.1	26.4	24.2	25.5	24.6	25.8	26.2
3H	25.3	26.4	25.7	26.8	27.2	24.9	26.1	25.3	26.4	26.8
4H	25.5	26.6	25.9	26.9	27.4	25.1	26.2	25.5	26.6	27.0
6H	25.6	26.6	26.1	27.0	27.4	25.2	26.2	25.7	26.6	27.0
8H	25.7	26.6	26.1	27.0	27.4	25.2	26.2	25.7	26.6	27.0
12H	25.7	26.6	26.1	27.0	27.4	25.2	26.1	25.7	26.5	27.0
4H 2H	24.7	25.7	25.1	26.1	26.5	24.5	25.5	24.9	25.9	26.3
3H	25.6	26.5	26.1	26.9	27.4	25.4	26.2	25.8	26.6	27.1
4H	25.9	26.7	26.4	27.2	27.6	25.6	26.4	26.1	26.8	27.3
6H	26.2	26.8	26.7	27.3	27.8	25.8	26.5	26.3	26.9	27.4
8H	26.2	26.8	26.7	27.3	27.8	25.8	26.4	26.3	26.9	27.4
12H	26.2	26.8	26.7	27.3	27.8	25.8	26.4	26.3	26.9	27.4
8H 4H	26.0	26.6	26.5	27.1	27.6	25.7	26.3	26.2	26.8	27.3
6H	26.3	26.8	26.8	27.3	27.8	25.9	26.4	26.4	26.9	27.4
8H	26.3	26.8	26.9	27.3	27.8	26.0	26.4	26.5	27.0	27.5
12H	26.4	26.8	26.9	27.3	27.9	26.0	26.4	26.5	26.9	27.5
12H 4H	26.0	26.5	26.5	27.0	27.5	25.7	26.2	26.2	26.7	27.2
6H	26.2	26.7	26.8	27.2	27.8	25.9	26.4	26.4	26.8	27.4
8H	26.3	26.7	26.9	27.3	27.9	26.0	26.4	26.5	26.9	27.5
CIE190: 2010										

CIE190: 2010
Area: 0.080384 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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

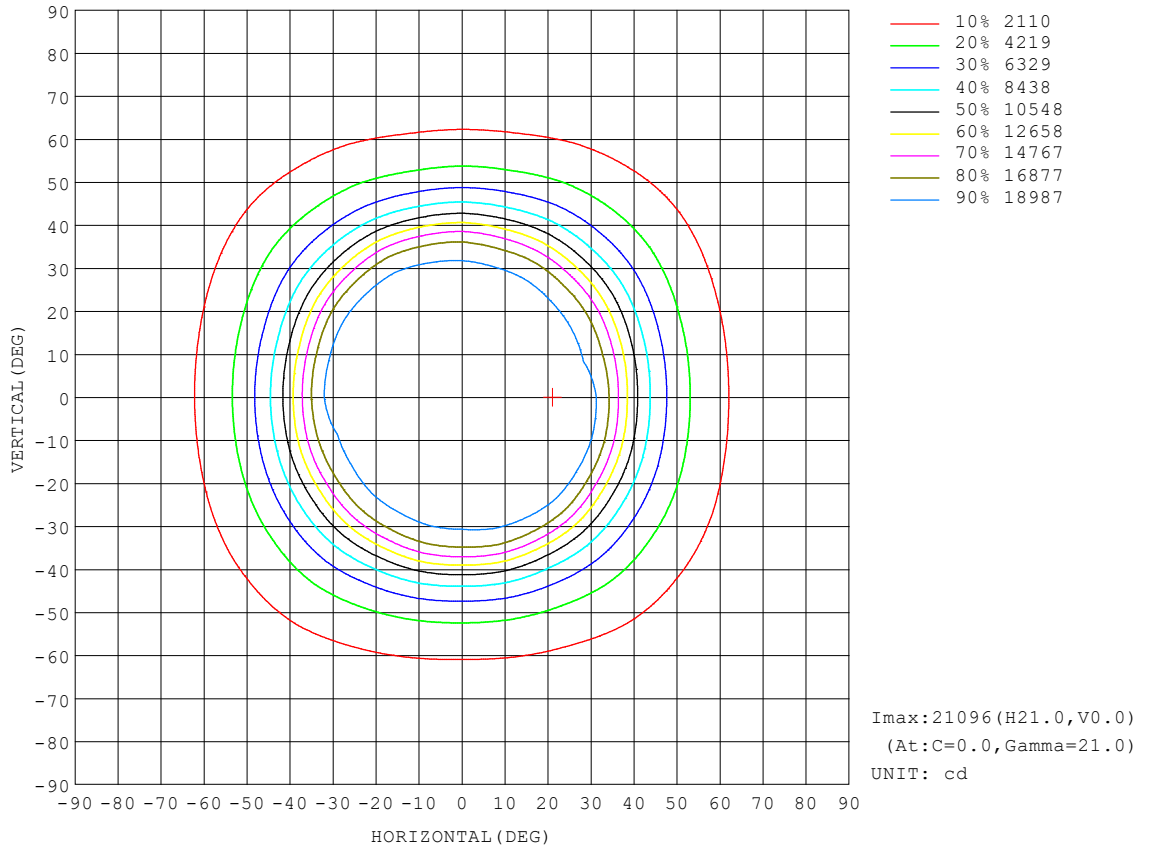
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	71	62	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	66	78	71	66	61
1.00	88	80	74	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	95	103	98	94	100	96	92	85
3.00	108	103	99	105	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

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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

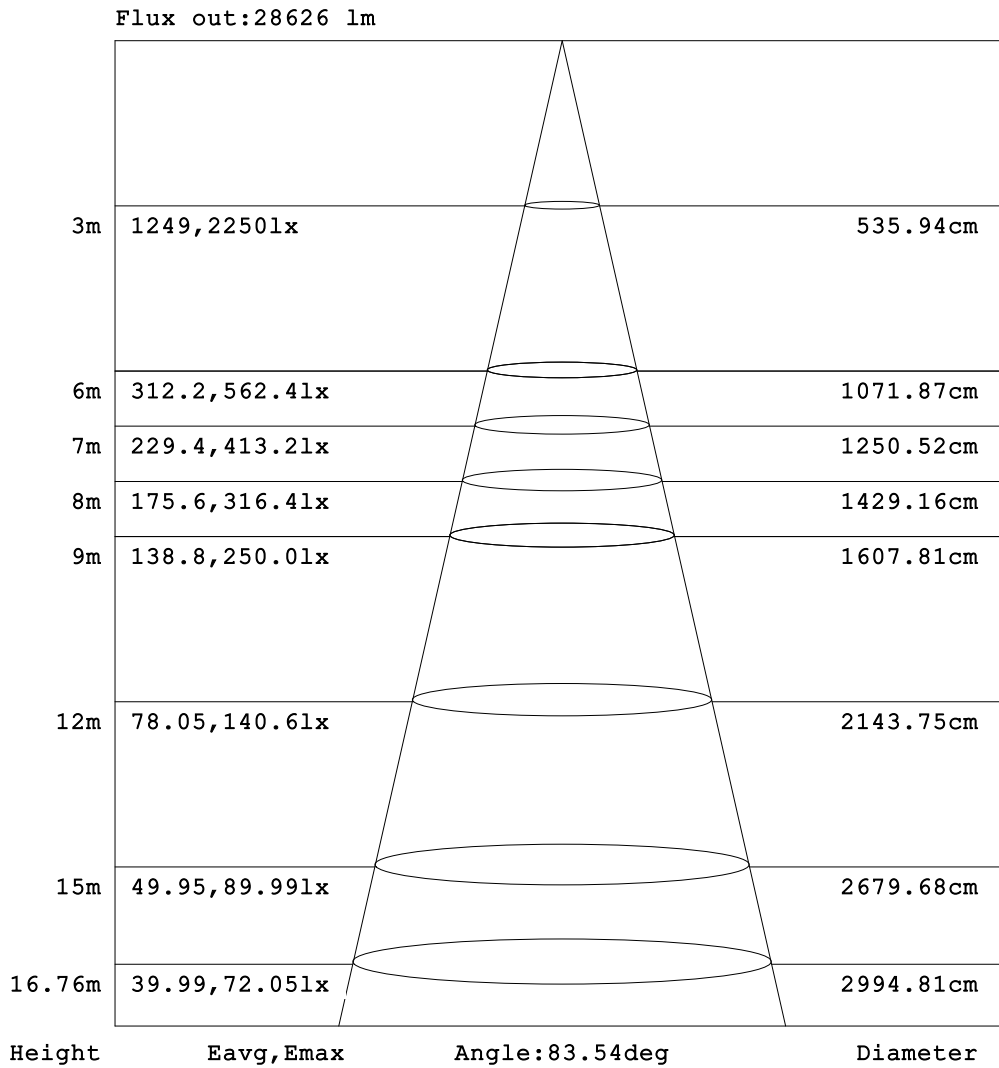


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2024-5-27

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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



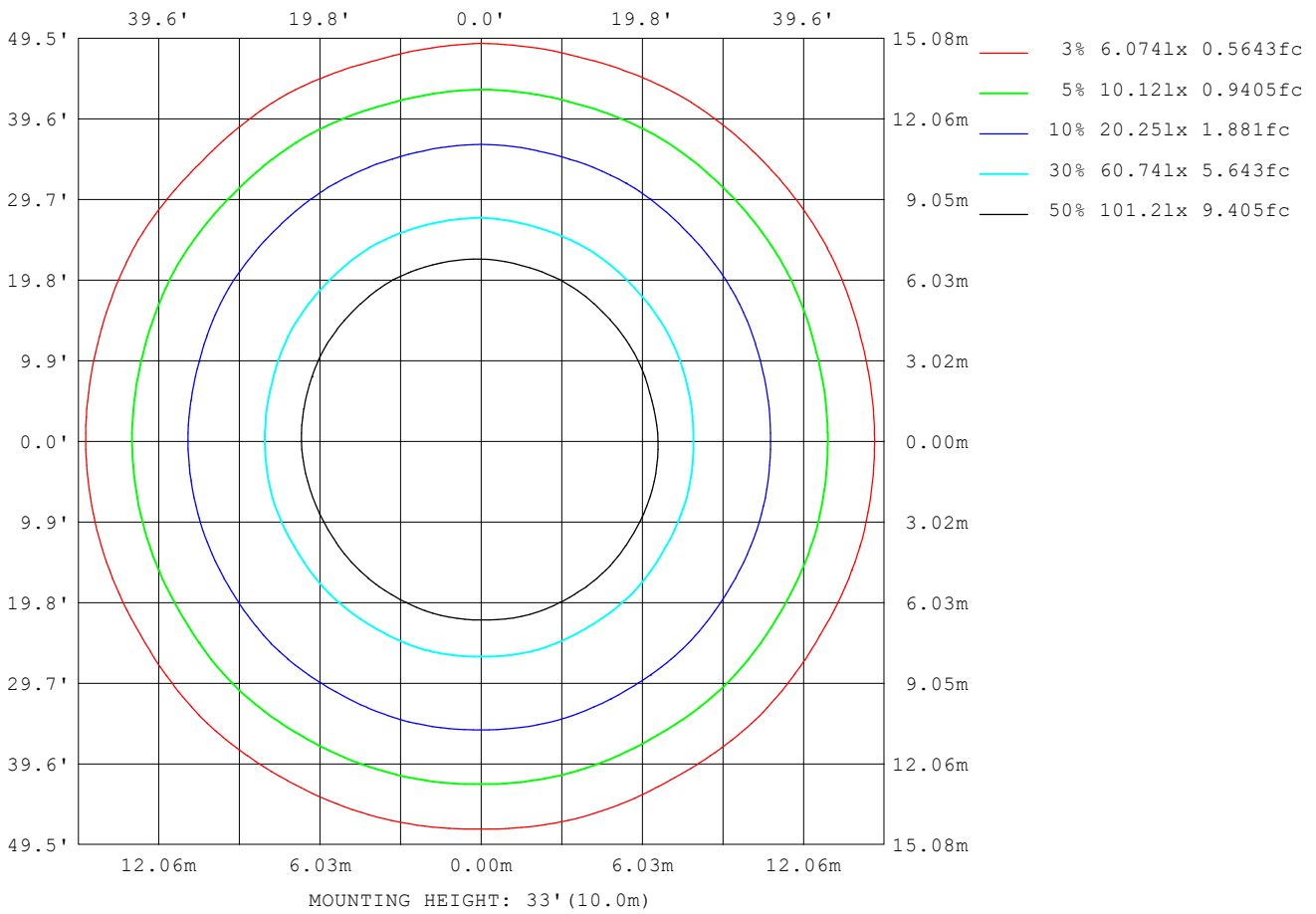
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date: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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

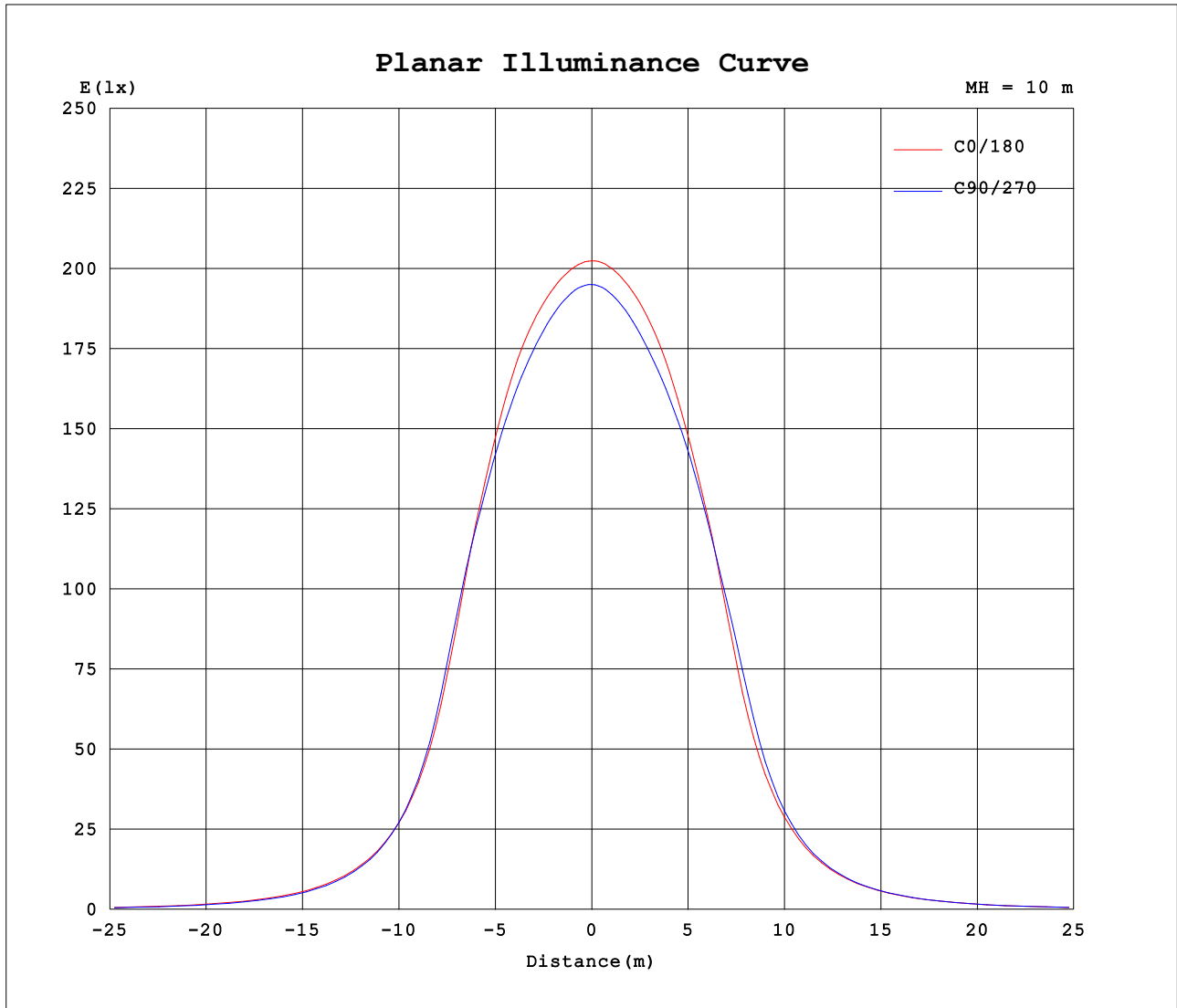
AvgL	cd/m2
L_0~180 (65) av	48916
L_0~180 (75) av	31482
L_0~180 (85) av	18295
L_90~270 (65) av	46230
L_90~270 (75) av	28551
L_90~270 (85) av	15917
L_45 (65) av	47612
L_45 (75) av	29539
L_45 (85) av	16820

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:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
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	2025	2008	1992	1979	1968	1958	1951	1944	1939	1935	1931	1928	2025	2008	1992	1979	1968	1958	1951
5	2029	2012	1996	1983	1972	1962	1955	1948	1943	1938	1934	1930	2031	2012	1994	1980	1968	1958	1950
10	2048	2027	2008	1994	1982	1972	1965	1959	1954	1949	1946	1940	2049	2027	2005	1988	1975	1964	1957
15	2079	2054	2030	2013	2000	1990	1983	1976	1972	1968	1964	1959	2079	2052	2026	2006	1990	1979	1972
20	2108	2080	2054	2033	2019	2010	2004	1997	1992	1987	1981	1976	2102	2075	2051	2028	2011	1998	1993
25	2086	2072	2050	2036	2019	2009	2000	1994	1983	1977	1969	1966	2084	2067	2055	2039	2024	2010	2004
30	1955	1964	1956	1960	1944	1936	1918	1919	1906	1906	1896	1903	1984	1978	1981	1977	1979	1961	1951
35	1612	1638	1636	1680	1678	1699	1674	1678	1650	1654	1634	1664	1689	1702	1749	1759	1786	1769	1758
40	1120	1137	1124	1152	1145	1181	1166	1184	1160	1173	1160	1194	1199	1207	1264	1282	1332	1325	1332
45	767	774	762	773	761	780	770	785	778	796	792	806	816	812	844	849	870	865	872
50	530	531	521	524	510	517	512	521	523	540	534	545	552	549	564	558	569	559	571
55	364	364	353	355	344	347	343	349	354	365	359	367	373	373	382	372	382	371	382
60	248	248	238	239	230	231	228	233	237	244	240	246	252	251	255	249	257	248	255
65	165	164	156	157	150	151	148	153	155	159	157	161	167	166	167	164	168	164	166
70	105	104	98.8	98.3	94.1	94.2	92.7	96.0	96.7	100	99.4	102	108	105	107	104	107	103	105
75	64.1	63.3	59.2	58.9	55.8	56.4	55.5	57.5	57.9	60.2	59.5	61.5	66.9	64.4	65.3	63.4	64.5	62.1	63.3
80	35.0	34.7	31.8	31.7	29.3	30.1	29.1	30.5	30.2	32.0	31.2	32.7	37.0	35.0	35.9	34.5	35.0	33.3	34.2
85	11.9	12.0	10.7	10.6	9.47	9.84	9.12	9.96	9.68	10.4	10.2	11.2	13.8	13.2	13.9	13.2	13.8	12.7	13.2
90	0.54	0.53	0.54	0.53	0.54	0.52	0.53	0.52	0.53	0.52	0.53	0.51	1.62	1.61	1.58	1.57	1.55	1.55	1.54
95	0.77	0.76	0.77	0.76	0.77	0.75	0.76	0.75	0.76	0.75	0.76	0.74	1.92	1.90	1.87	1.85	1.82	1.82	1.81
100	1.11	1.09	1.12	1.10	1.11	1.09	1.10	1.09	1.11	1.09	1.10	1.07	2.31	2.29	2.25	2.24	2.20	2.20	2.18
105	1.60	1.59	1.62	1.60	1.62	1.60	1.61	1.59	1.61	1.58	1.59	1.55	2.85	2.83	2.78	2.77	2.72	2.73	2.70
110	2.31	2.30	2.36	2.33	2.37	2.34	2.36	2.32	2.33	2.28	2.29	2.22	3.60	3.58	3.51	3.51	3.46	3.48	3.45
115	3.31	3.30	3.39	3.37	3.44	3.39	3.43	3.35	3.35	3.27	3.27	3.18	4.61	4.61	4.53	4.56	4.49	4.53	4.48
120	4.62	4.62	4.74	4.73	4.81	4.76	4.78	4.68	4.67	4.55	4.54	4.44	5.95	5.96	5.88	5.92	5.85	5.89	5.83
125	6.17	6.17	6.30	6.29	6.38	6.31	6.34	6.21	6.19	6.06	6.03	5.92	7.53	7.55	7.46	7.51	7.43	7.49	7.41
130	7.84	7.84	7.96	7.95	8.03	7.96	7.97	7.84	7.81	7.66	7.64	7.51	9.25	9.26	9.16	9.21	9.13	9.17	9.09
135	9.50	9.50	9.59	9.58	9.64	9.57	9.57	9.45	9.40	9.27	9.23	9.12	10.9	10.9	10.8	10.8	10.8	10.8	10.7
140	11.1	11.0	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6	12.5	12.4	12.3	12.3	12.2	12.2	12.1
145	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.2	12.2	12.1	12.1	12.0	13.8	13.7	13.6	13.5	13.5	13.4	13.4
150	13.7	13.7	13.7	13.7	13.7	13.6	13.6	13.5	13.4	13.3	13.3	13.2	14.9	14.8	14.7	14.6	14.5	14.5	14.4
155	15.0	15.0	15.0	14.9	14.9	14.9	14.9	14.8	14.7	14.6	14.5	14.4	16.0	15.9	15.8	15.7	15.6	15.5	15.4
160	16.5	16.5	16.4	16.4	16.4	16.4	16.3	16.2	16.1	16.0	15.9	15.8	17.2	17.1	17.0	16.9	16.7	16.7	16.6
165	18.2	18.1	18.1	18.0	18.0	17.9	17.8	17.6	17.6	17.4	17.4	17.3	18.6	18.4	18.4	18.3	18.1	18.0	17.9
170	19.6	19.6	19.4	19.4	19.3	19.2	19.1	18.9	18.8	18.8	18.7	18.6	19.9	19.7	19.6	19.4	19.3	19.2	19.1
175	20.6	20.5	20.3	20.3	20.0	20.0	19.8	19.8	19.7	19.6	19.5	19.4	20.8	20.5	20.3	20.1	20.1	19.9	19.8
180	21.0	21.0	20.7	20.6	20.4	20.3	20.1	20.0	19.9	19.9	19.8	19.7	21.2	20.8	20.8	20.5	20.5	20.2	20.1

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.57V I:1.9897A P:237.81W PF:0.9995 Freq:50.04Hz		
Lamp Flux:39597x1 lm		
NAME: ASD-UHB2A-PRO-240-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--2

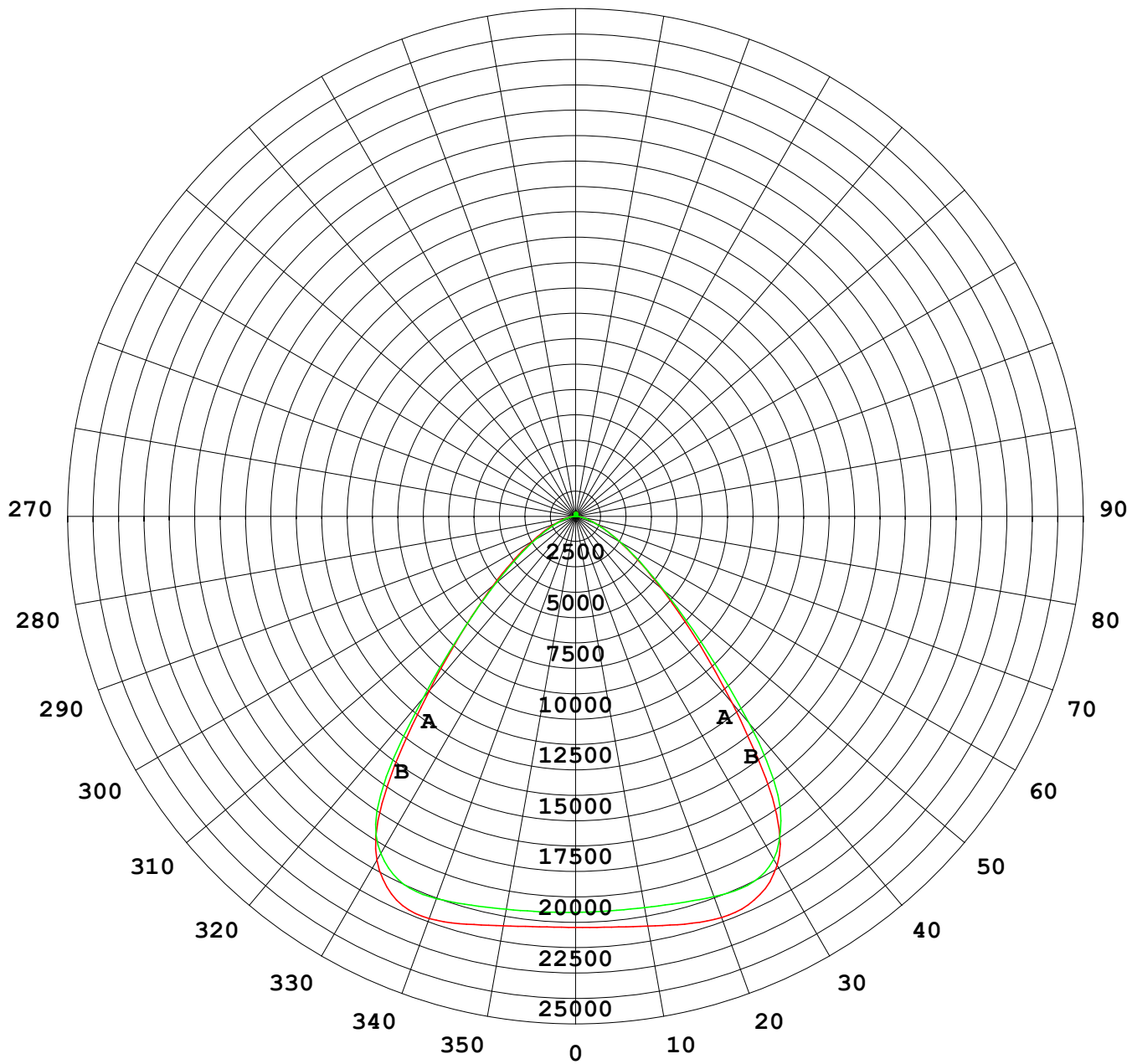
UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1944	1939	1935	1931	1928														
5	1944	1940	1936	1933	1930														
10	1951	1947	1946	1942	1941														
15	1968	1966	1966	1964	1962														
20	1992	1992	1993	1991	1987														
25	2000	1998	1993	1988	1979														
30	1932	1923	1900	1890	1879														
35	1717	1702	1657	1646	1613														
40	1279	1261	1203	1184	1143														
45	850	848	813	807	778														
50	564	571	555	552	533														
55	376	385	379	377	364														
60	252	259	255	254	247														
65	165	170	167	168	163														
70	104	108	105	107	103														
75	61.9	64.8	63.3	64.3	62.6														
80	33.1	35.1	34.2	35.1	33.8														
85	12.6	13.5	12.9	13.5	12.5														
90	1.55	1.54	1.55	1.55	1.56														
95	1.82	1.82	1.83	1.83	1.85														
100	2.20	2.19	2.22	2.22	2.24														
105	2.73	2.73	2.76	2.76	2.80														
110	3.49	3.48	3.53	3.52	3.57														
115	4.54	4.51	4.58	4.56	4.63														
120	5.90	5.86	5.93	5.90	5.99														
125	7.48	7.43	7.50	7.46	7.56														
130	9.15	9.08	9.15	9.11	9.21														
135	10.7	10.7	10.7	10.7	10.8														
140	12.1	12.1	12.1	12.1	12.2														
145	13.3	13.3	13.3	13.3	13.3														
150	14.4	14.3	14.3	14.3	14.4														
155	15.4	15.3	15.3	15.3	15.3														
160	16.5	16.4	16.5	16.4	16.5														
165	17.8	17.7	17.7	17.7	17.7														
170	19.0	18.9	18.9	18.8	18.8														
175	19.7	19.7	19.6	19.5	19.5														
180	20.0	20.0	19.9	19.8	19.7														

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

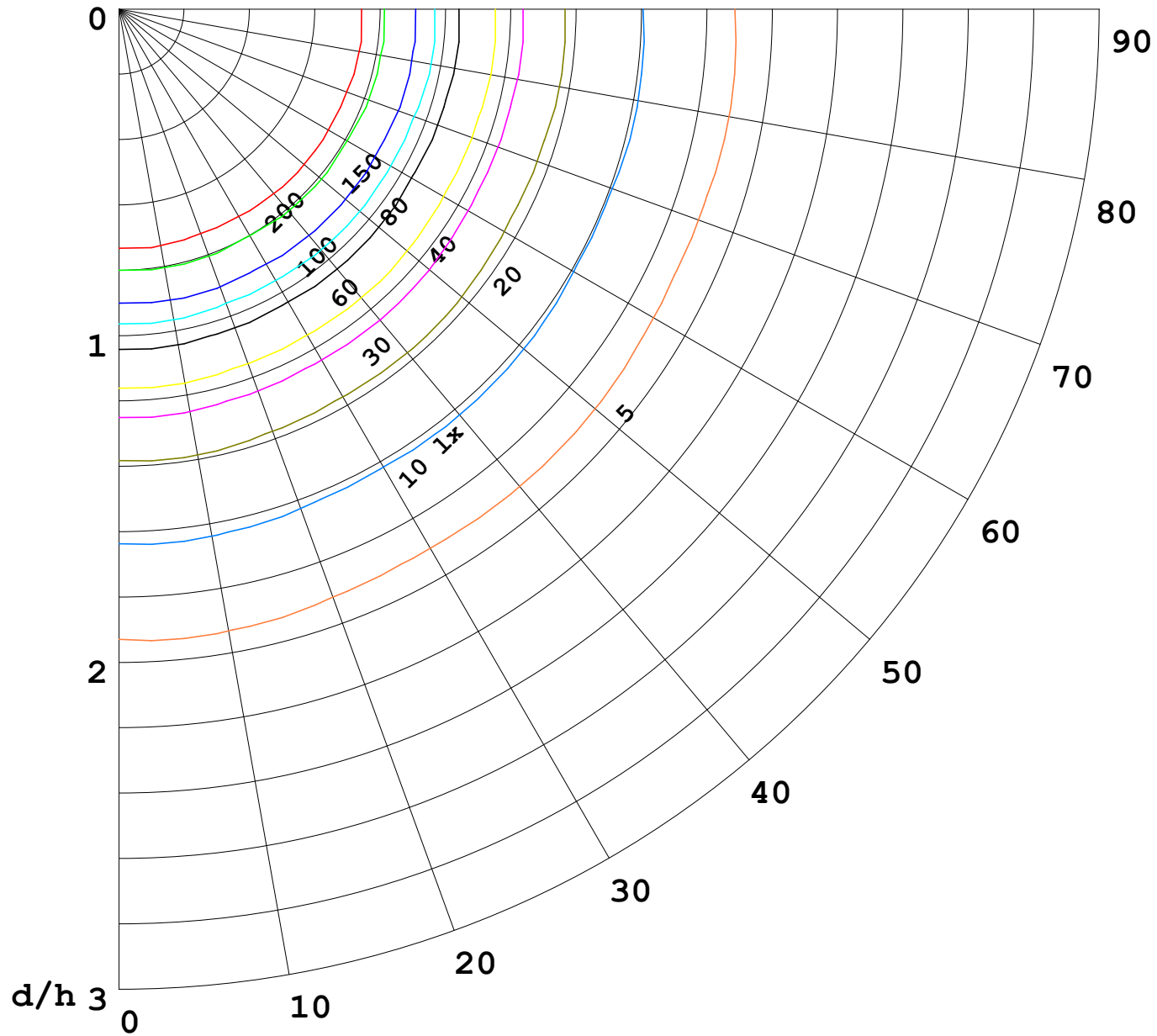
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

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

