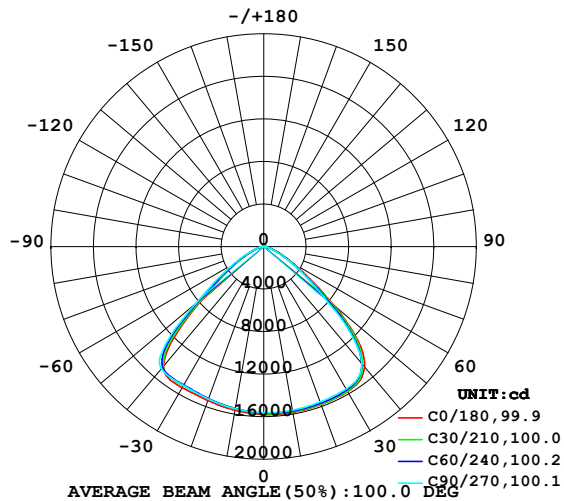


LUMINAIRE PHOTOMETRIC TEST REPORT

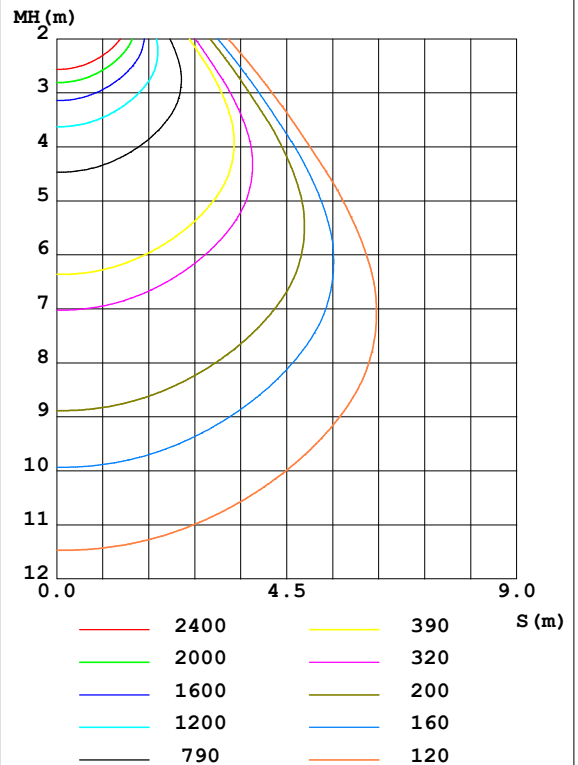
Test:U:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.56 lm/W			
MODEL ASD-UHB2A-ST-240BK-BA		I _{max} (cd)	15837	S/MH (C0/180)	1.43
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.49
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	39166	η UP, DN (C0-180)	0.5, 49.0
NOMINAL FLUX (lm)	39166	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.9
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	η down (%)	98.9	CIBSE SHR MAX	1.50

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: 21 April 2025

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:

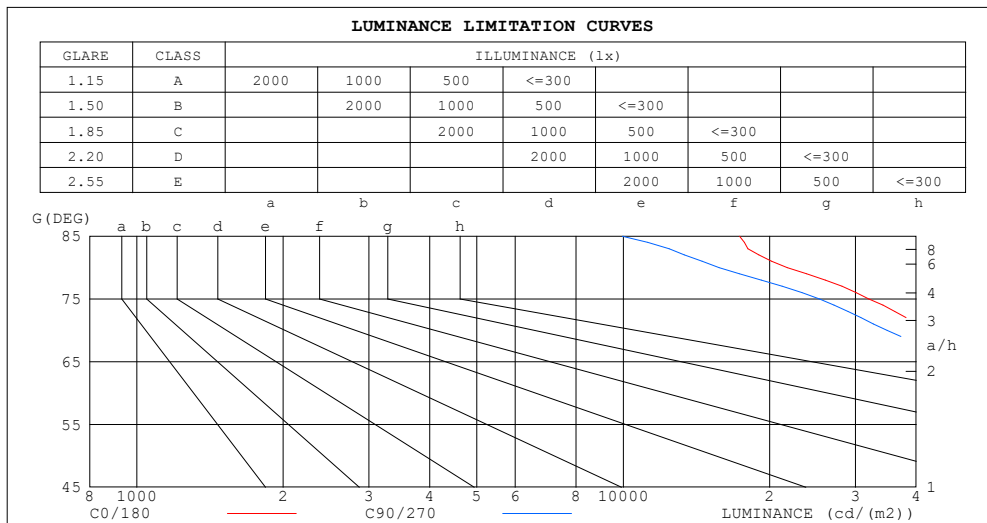
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1584	1574	1563	1549	1562	1547	1548	1554	0- 10	1490	1490	3.8,3.8
20	1580	1572	1554	1532	1541	1521	1525	1540	10- 20	4394	5884	15,15
30	1576	1566	1547	1524	1534	1507	1509	1532	20- 30	7116	13000	33.2,33.2
40	1474	1444	1438	1472	1465	1475	1499	1492	30- 40	9528	22528	57.5,57.5
50	863.7	820.8	742.9	709.5	717.0	746.0	839.7	891.8	40- 50	9165	31693	80.9,80.9
60	330.3	318.7	288.3	260.5	276.8	288.9	324.8	323.1	50- 60	4480	36173	92.4,92.4
70	118.5	107.5	95.91	80.24	97.32	99.11	113.9	104.9	60- 70	1843	38016	97.1,97.1
80	30.34	28.48	21.98	17.54	21.21	22.96	29.21	27.68	70- 80	620.2	38636	98.6,98.6
90	1.758	1.046	0.5500	0.5454	1.450	1.392	1.449	2.036	80- 90	109.9	38746	98.9,98.9
100	1.092	1.138	1.283	1.317	2.316	2.229	2.100	1.987	90-100	13.72	38760	99,99
110	2.702	2.809	3.086	3.133	4.219	4.070	3.821	3.707	100-110	26.02	38786	99,99
120	5.214	5.322	5.640	5.683	6.944	6.746	6.447	6.369	110-120	46.43	38832	99.1,99.1
130	7.898	7.959	8.248	8.229	9.692	9.476	9.178	9.092	120-130	66.19	38898	99.3,99.3
140	10.10	10.06	10.28	10.28	11.80	11.57	11.27	11.10	130-140	75.67	38974	99.5,99.5
150	11.86	11.85	12.02	12.12	13.34	13.14	12.86	12.62	140-150	72.73	39047	99.7,99.7
160	14.14	14.10	14.14	14.15	14.92	14.72	14.56	14.39	150-160	61.93	39109	99.9,99.9
170	15.49	15.38	15.31	15.32	15.84	15.67	15.59	15.39	160-170	42.32	39151	100,100
180	16.04	15.94	15.81	15.69	16.08	15.90	15.83	15.69	170-180	14.92	39166	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:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	17352	9969
80	21738	15750
75	31986	25315
70	43095	34884
65	58704	49666
60	82180	71722
55	115035	100912
50	167165	143785
45	221463	204653

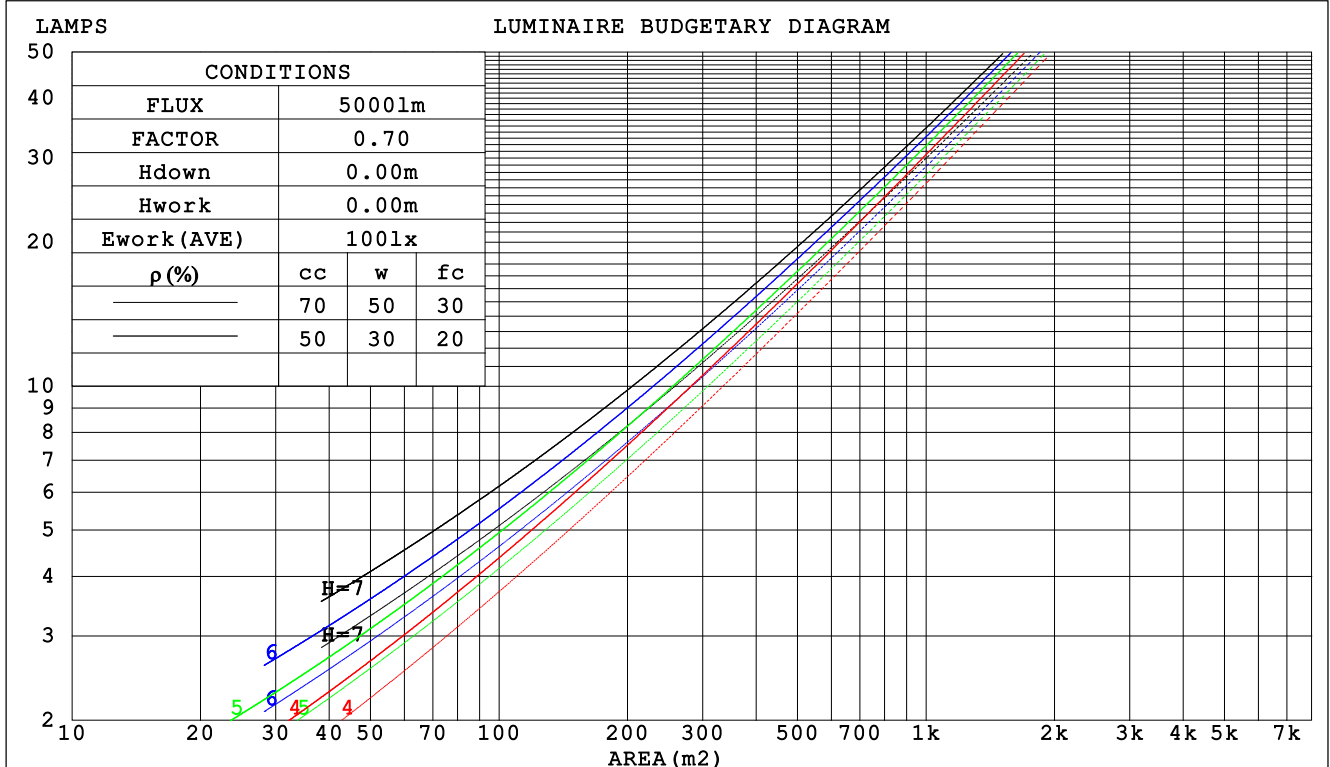
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz		
Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.00	.98	.96	.96	.94	.93	.93	.91	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.74	.84	.78	.73	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.70	.64	.76	.69	.63	.73	.67	.62	.71	.66	.61	.69	.64	.61	.59
5.0	.70	.62	.56	.69	.61	.56	.66	.60	.55	.64	.59	.54	.63	.58	.54	.52
6.0	.63	.55	.49	.62	.55	.49	.60	.54	.49	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.49	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.52	.47	.43	.41
8.0	.53	.45	.39	.52	.44	.39	.51	.44	.39	.49	.43	.39	.48	.42	.38	.37
9.0	.48	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.36	.32	.30



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz		
Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		

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	.243	.138	.044	.235	.134	.043	.222	.127	.041	.209	.121	.039	.198	.115	.037		
2.0	.237	.130	.040	.231	.127	.039	.219	.122	.038	.208	.117	.037	.198	.112	.035		
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.201	.110	.034	.192	.106	.033		
4.0	.214	.111	.033	.210	.110	.032	.200	.106	.032	.192	.103	.031	.184	.100	.030		
5.0	.203	.103	.030	.198	.102	.030	.190	.099	.029	.182	.096	.029	.175	.094	.028		
6.0	.191	.096	.027	.187	.095	.027	.180	.092	.027	.173	.090	.026	.167	.088	.026		
7.0	.181	.089	.025	.177	.088	.025	.171	.086	.025	.164	.084	.025	.159	.082	.024		
8.0	.171	.083	.023	.168	.083	.023	.162	.081	.023	.156	.079	.023	.151	.078	.023		
9.0	.162	.078	.022	.159	.077	.022	.154	.076	.022	.149	.074	.021	.144	.073	.021		
10.0	.153	.074	.020	.151	.073	.020	.146	.072	.020	.141	.070	.020	.137	.069	.020		

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	.127	.108	.097	.088	.062	.056	.051	.020	.018	.017	
2.0	.173	.140	.113	.148	.121	.098	.102	.084	.068	.059	.049	.040	.019	.016	.013	
3.0	.164	.122	.089	.141	.106	.077	.097	.073	.054	.056	.043	.032	.018	.014	.010	
4.0	.157	.109	.072	.134	.094	.062	.092	.065	.044	.053	.038	.026	.017	.012	.009	
5.0	.150	.098	.060	.128	.085	.052	.089	.059	.037	.051	.035	.022	.017	.011	.007	
6.0	.143	.089	.051	.123	.077	.044	.085	.054	.031	.049	.032	.019	.016	.010	.006	
7.0	.137	.082	.044	.118	.071	.038	.081	.050	.027	.047	.030	.016	.015	.010	.005	
8.0	.131	.077	.039	.113	.066	.034	.078	.047	.024	.045	.028	.014	.015	.009	.005	
9.0	.126	.072	.035	.108	.062	.031	.075	.044	.022	.044	.026	.013	.014	.008	.004	
10.0	.121	.068	.032	.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:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz										
Lamp Flux:39166x1 lm										
NAME: ASD-UHB2A-ST-240BK-BA					TYPE: UHB2A-ST-BA					
SPEC.: 240W 5000K 110D										
MFR.: ASD LIGHTNG 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	26.5	27.9	26.9	28.3	28.6	25.5	26.9	25.9	27.3	27.6
3H	27.1	28.3	27.5	28.7	29.1	26.0	27.3	26.4	27.7	28.0
4H	27.2	28.3	27.6	28.7	29.1	26.2	27.3	26.6	27.7	28.1
6H	27.2	28.3	27.7	28.7	29.1	26.2	27.2	26.6	27.6	28.1
8H	27.2	28.2	27.7	28.6	29.1	26.1	27.2	26.6	27.6	28.0
12H	27.2	28.2	27.7	28.6	29.0	26.1	27.1	26.6	27.5	28.0
4H 2H	26.7	27.9	27.1	28.2	28.6	25.6	26.8	26.0	27.2	27.6
3H	27.3	28.3	27.8	28.7	29.1	26.3	27.2	26.7	27.6	28.1
4H	27.5	28.4	28.0	28.8	29.3	26.4	27.3	26.9	27.7	28.2
6H	27.6	28.3	28.1	28.8	29.3	26.5	27.2	27.0	27.7	28.2
8H	27.6	28.3	28.1	28.8	29.2	26.5	27.1	26.9	27.6	28.1
12H	27.6	28.2	28.1	28.7	29.2	26.4	27.0	26.9	27.5	28.0
8H 4H	27.5	28.2	28.0	28.6	29.1	26.4	27.1	26.9	27.5	28.0
6H	27.6	28.2	28.1	28.7	29.2	26.4	27.0	27.0	27.5	28.0
8H	27.6	28.1	28.2	28.7	29.2	26.4	26.9	27.0	27.5	28.0
12H	27.6	28.1	28.2	28.6	29.2	26.4	26.9	26.9	27.4	28.0
12H 4H	27.5	28.1	28.0	28.6	29.1	26.3	26.9	26.8	27.5	27.9
6H	27.6	28.1	28.1	28.6	29.1	26.4	26.9	26.9	27.4	28.0
8H	27.6	28.1	28.1	28.6	29.2	26.4	26.8	26.9	27.4	27.9
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:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz		
Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		

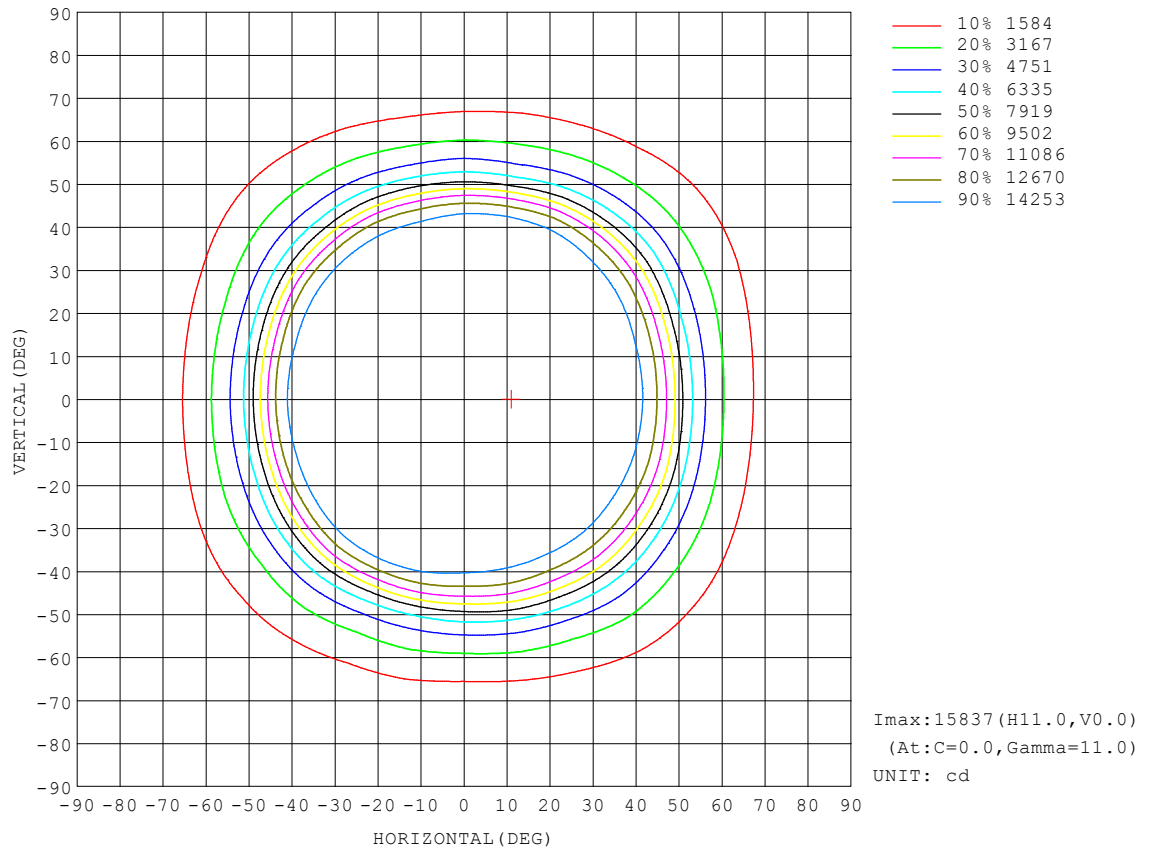
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	48	64	54	48	63	53	48	42
0.80	75	65	59	74	65	59	72	64	58	52
1.00	84	74	68	82	74	68	80	75	67	61
1.25	90	82	76	89	81	76	86	80	75	69
1.50	95	87	81	93	86	81	90	84	80	73
2.00	101	94	89	99	93	88	96	90	86	80
2.50	103	97	93	102	96	92	98	93	90	82
3.00	106	101	97	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	99	97	88
5.00	111	107	104	108	105	102	104	101	99	90
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:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		

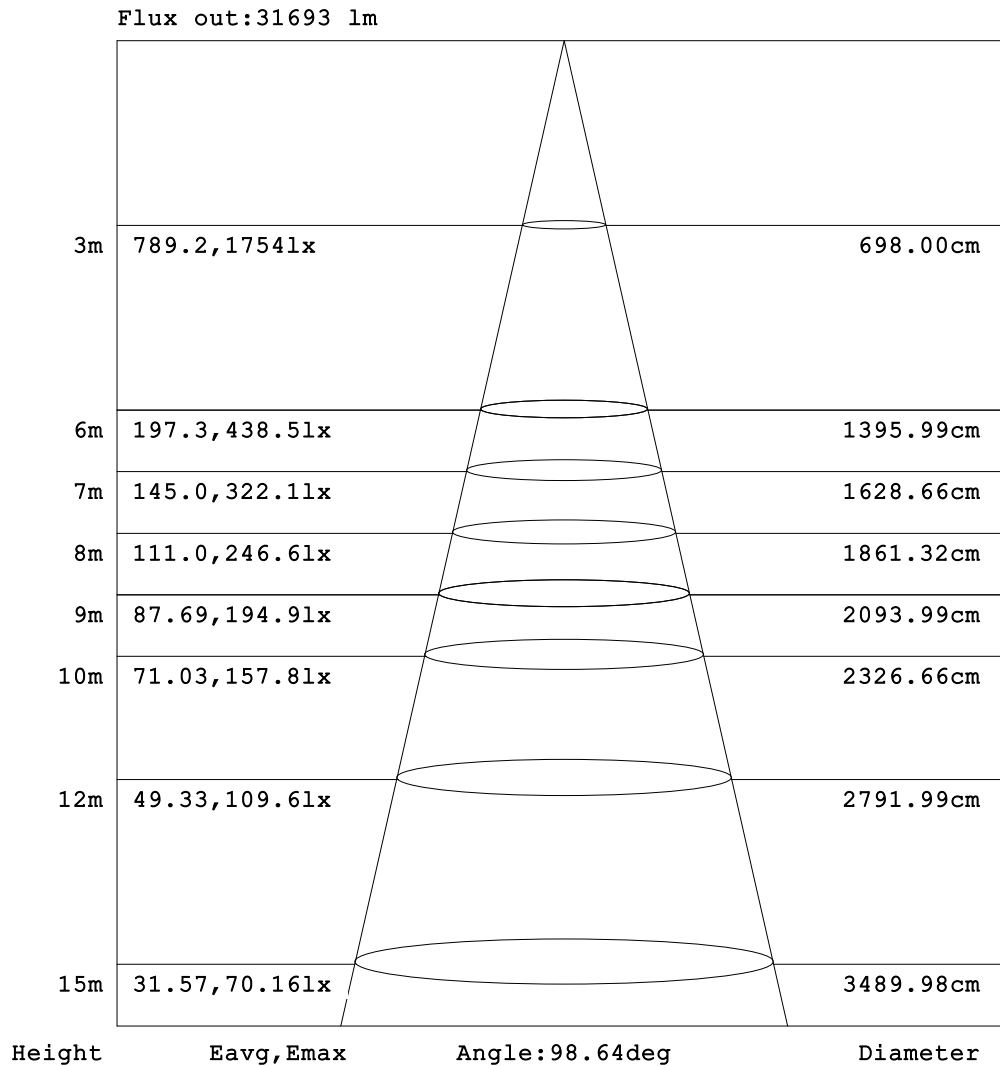


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		



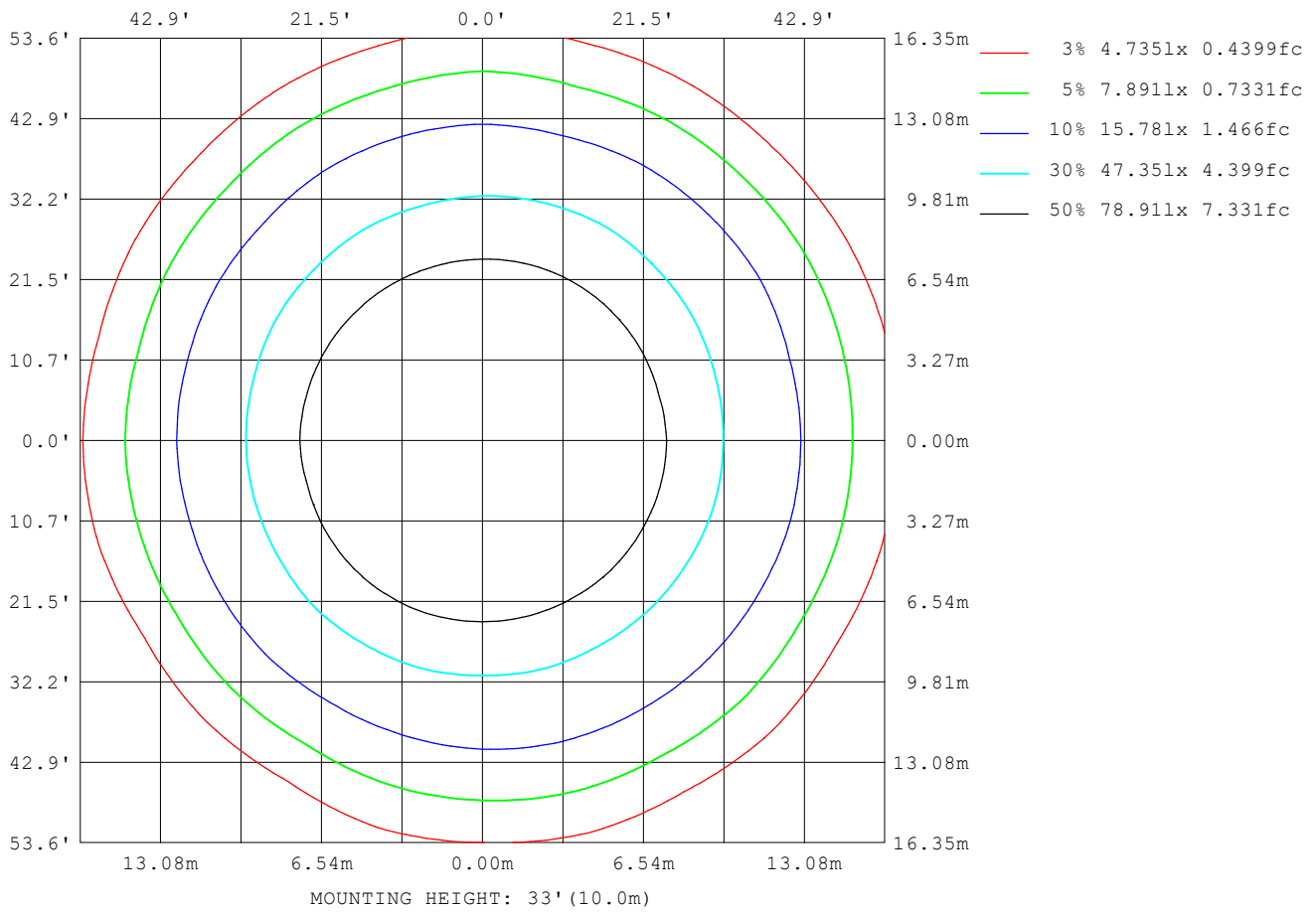
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTNG CORP		

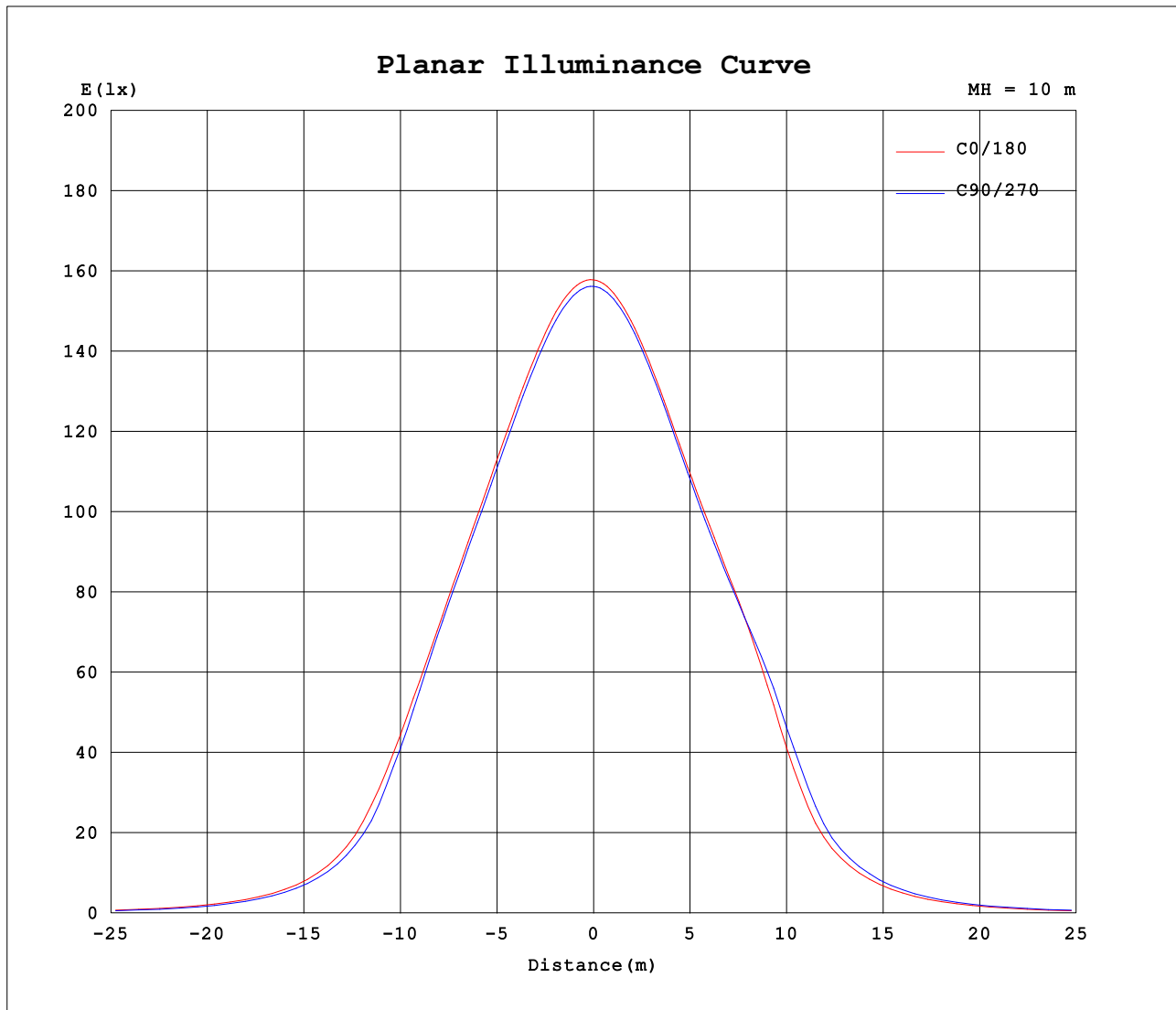
AvgL	cd/m2
L_0~180 (65) av	53799
L_0~180 (75) av	28573
L_0~180 (85) av	13018
L_90~270 (65) av	53374
L_90~270 (75) av	27893
L_90~270 (85) av	12134
L_45 (65) av	51622
L_45 (75) av	25377
L_45 (85) av	12192

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:21 April 2025

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: 21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz		
Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTNG 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	1578	1573	1569	1566	1565	1562	1562	1560	1559	1557	1557	1556	1578	1573	1569	1566	1565	1562	1562
5	1582	1578	1575	1571	1569	1565	1564	1560	1557	1555	1553	1550	1572	1565	1561	1558	1557	1555	1556
10	1584	1580	1577	1574	1570	1566	1563	1558	1553	1549	1545	1542	1562	1554	1550	1547	1546	1545	1548
15	1582	1580	1577	1573	1569	1564	1559	1553	1546	1541	1537	1532	1552	1543	1538	1534	1534	1534	1537
20	1580	1578	1576	1572	1567	1560	1554	1546	1538	1532	1527	1521	1541	1530	1525	1521	1521	1521	1525
25	1579	1578	1575	1571	1566	1558	1551	1542	1533	1526	1519	1512	1532	1521	1514	1509	1509	1509	1514
30	1576	1574	1571	1566	1559	1553	1547	1540	1531	1524	1518	1512	1534	1522	1513	1507	1504	1504	1509
35	1557	1553	1547	1544	1534	1530	1527	1527	1524	1522	1516	1511	1531	1520	1512	1507	1505	1506	1512
40	1474	1464	1446	1444	1432	1434	1438	1460	1467	1472	1458	1451	1465	1459	1471	1475	1482	1486	1499
45	1259	1259	1228	1212	1185	1196	1163	1171	1156	1182	1149	1150	1167	1173	1223	1231	1275	1277	1310
50	864	879	838	821	784	784	743	713	689	710	699	696	717	714	740	746	804	818	840
55	530	523	505	508	484	485	465	446	418	426	421	436	451	440	456	460	487	495	523
60	330	327	310	319	299	303	288	288	257	260	251	274	277	270	283	289	303	307	325
65	199	195	186	190	181	178	169	173	153	149	150	164	166	160	169	173	180	182	194
70	118	111	108	107	106	100	95.9	97.3	90.0	80.2	88.6	91.2	97.3	92.5	97.9	99.1	106	104	114
75	66.5	61.7	60.6	59.0	58.2	54.7	52.7	51.2	48.6	41.4	46.2	46.1	52.3	48.7	52.5	53.6	58.4	56.3	63.4
80	30.3	30.4	28.5	28.5	25.5	23.9	22.0	21.1	19.8	17.5	17.9	18.6	21.2	20.9	22.5	23.0	24.9	24.9	29.2
85	12.2	11.9	10.9	10.6	9.13	8.39	6.98	6.39	5.36	5.21	4.51	4.61	6.08	5.91	6.88	7.01	8.12	8.55	10.0
90	1.76	2.09	1.17	1.05	0.64	0.58	0.55	0.55	0.54	0.55	0.57	0.57	1.45	1.43	1.40	1.39	1.37	1.37	1.45
95	0.69	0.68	0.71	0.72	0.76	0.77	0.80	0.80	0.81	0.81	0.84	0.84	1.76	1.75	1.71	1.70	1.67	1.66	1.62
100	1.09	1.08	1.12	1.14	1.21	1.23	1.28	1.28	1.32	1.32	1.36	1.34	2.32	2.31	2.25	2.23	2.18	2.16	2.10
105	1.74	1.73	1.80	1.82	1.93	1.96	2.05	2.05	2.11	2.09	2.15	2.11	3.13	3.13	3.04	3.02	2.93	2.91	2.82
110	2.70	2.69	2.78	2.81	2.94	2.97	3.09	3.09	3.17	3.13	3.18	3.13	4.22	4.21	4.10	4.07	3.95	3.93	3.82
115	3.89	3.88	3.98	4.01	4.15	4.18	4.31	4.32	4.41	4.36	4.41	4.33	5.52	5.51	5.37	5.34	5.21	5.19	5.06
120	5.21	5.19	5.29	5.32	5.47	5.51	5.64	5.66	5.74	5.68	5.72	5.65	6.94	6.93	6.79	6.75	6.60	6.58	6.45
125	6.58	6.56	6.65	6.68	6.81	6.85	6.99	7.02	7.07	7.01	7.05	6.99	8.38	8.34	8.20	8.17	8.02	7.99	7.86
130	7.90	7.87	7.95	7.96	8.07	8.11	8.25	8.25	8.28	8.23	8.29	8.24	9.69	9.64	9.52	9.48	9.34	9.30	9.18
135	9.06	9.03	9.07	9.08	9.17	9.22	9.34	9.33	9.32	9.32	9.40	9.37	10.9	10.8	10.7	10.6	10.5	10.4	10.3
140	10.1	10.0	10.1	10.1	10.1	10.2	10.3	10.3	10.3	10.3	10.4	10.3	11.8	11.7	11.6	11.6	11.5	11.4	11.3
145	11.0	10.9	10.9	10.9	11.0	11.0	11.1	11.1	11.1	11.2	11.2	11.2	12.6	12.5	12.4	12.4	12.3	12.2	12.1
150	11.9	11.8	11.8	11.8	11.9	12.0	12.0	12.0	12.1	12.1	12.2	12.2	13.3	13.3	13.2	13.1	13.0	13.0	12.9
155	13.0	13.0	13.0	13.0	13.1	13.1	13.2	13.2	13.2	13.2	13.3	13.3	14.2	14.1	14.0	14.0	13.9	13.8	13.7
160	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.9	14.8	14.8	14.7	14.7	14.6	14.6
165	15.0	14.9	14.9	14.9	14.9	14.8	14.8	14.8	14.8	14.8	14.9	14.8	15.5	15.4	15.3	15.3	15.2	15.2	15.2
170	15.5	15.5	15.4	15.4	15.3	15.3	15.3	15.3	15.3	15.3	15.4	15.3	15.8	15.8	15.7	15.7	15.6	15.6	15.6
175	15.8	15.8	15.7	15.7	15.6	15.6	15.6	15.6	15.6	15.6	15.5	15.5	16.0	16.0	15.9	15.9	15.9	15.8	15.8
180	16.0	16.0	16.0	15.9	15.9	15.9	15.8	15.8	15.7	15.7	15.6	15.6	16.1	16.0	16.0	15.9	15.9	15.8	15.8

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:21 April 2025

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:123.65V I:2.0064A P:242.43W PF:0.9772 Freq:49.97Hz Lamp Flux:39166x1 lm		
NAME: ASD-UHB2A-ST-240BK-BA	TYPE: UHB2A-ST-BA	
SPEC.: 240W 5000K 110D		
MFR.: ASD LIGHTING CORP		

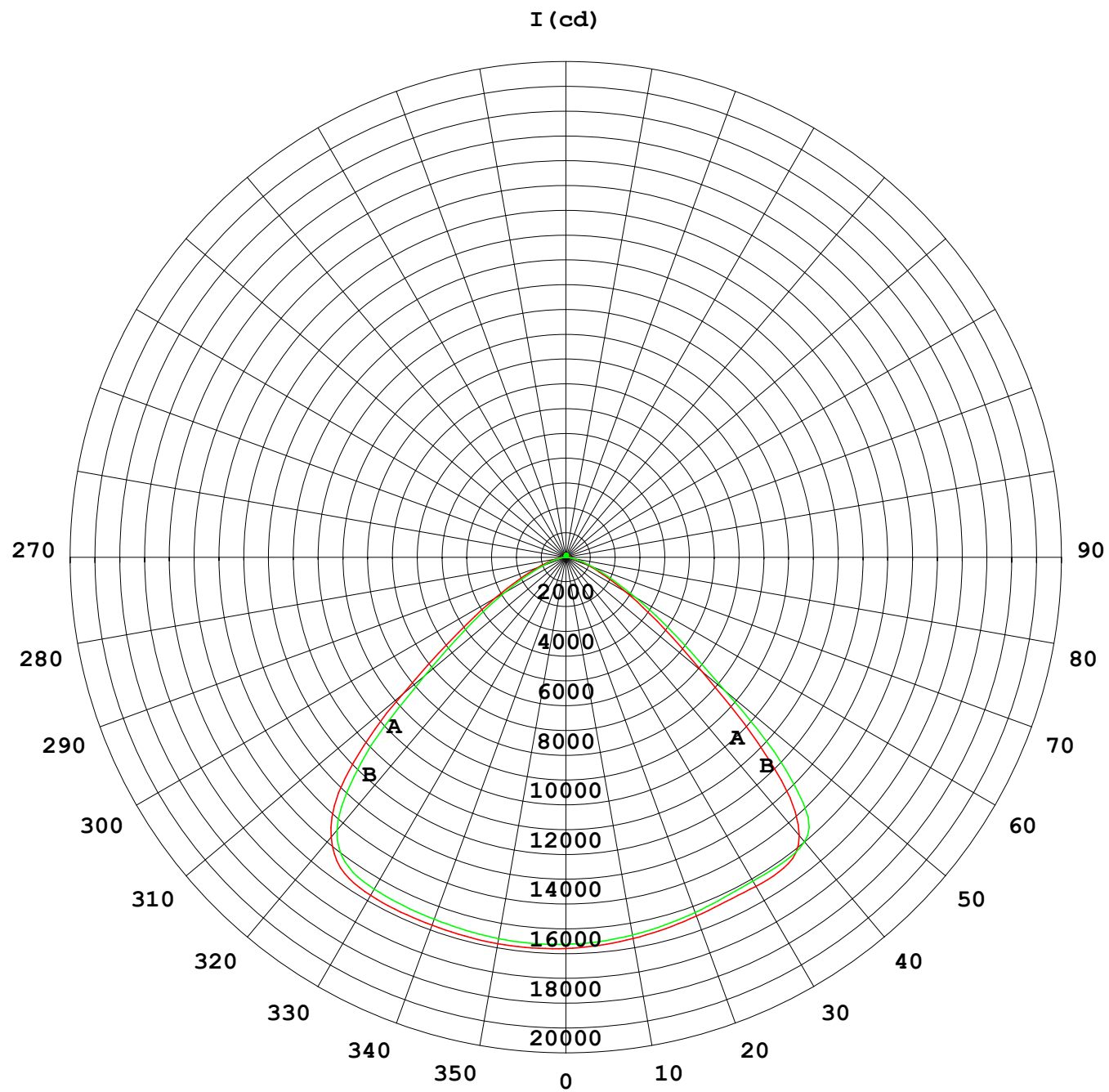
Table--2

UNIT: X10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1560	1559	1557	1557	1556														
5	1556	1557	1557	1559	1559														
10	1549	1552	1554	1557	1559														
15	1539	1544	1548	1553	1556														
20	1529	1535	1540	1548	1553														
25	1519	1527	1535	1544	1550														
30	1514	1522	1532	1540	1546														
35	1518	1525	1529	1533	1533														
40	1505	1505	1492	1483	1466														
45	1329	1349	1317	1304	1272														
50	840	896	892	907	865														
55	501	528	531	552	529														
60	320	324	323	336	342														
65	198	193	188	199	213														
70	116	114	105	119	124														
75	62.0	65.3	57.2	68.3	66.8														
80	28.1	30.5	27.7	33.2	31.1														
85	10.4	11.4	11.3	12.8	12.7														
90	1.49	1.93	2.04	2.93	2.94														
95	1.60	1.55	1.54	1.53	1.55														
100	2.07	1.99	1.99	1.96	1.99														
105	2.78	2.69	2.70	2.65	2.69														
110	3.79	3.69	3.71	3.64	3.69														
115	5.04	4.93	4.96	4.89	4.94														
120	6.43	6.33	6.37	6.29	6.35														
125	7.86	7.76	7.80	7.73	7.79														
130	9.17	9.07	9.09	9.04	9.11														
135	10.3	10.2	10.2	10.1	10.2														
140	11.2	11.1	11.1	11.1	11.1														
145	12.0	11.9	11.9	11.8	11.9														
150	12.8	12.7	12.6	12.5	12.6														
155	13.7	13.6	13.5	13.4	13.5														
160	14.5	14.4	14.4	14.3	14.3														
165	15.1	15.1	15.0	15.0	14.9														
170	15.5	15.5	15.4	15.3	15.3														
175	15.7	15.7	15.6	15.5	15.5														
180	15.8	15.7	15.7	15.6	15.6														

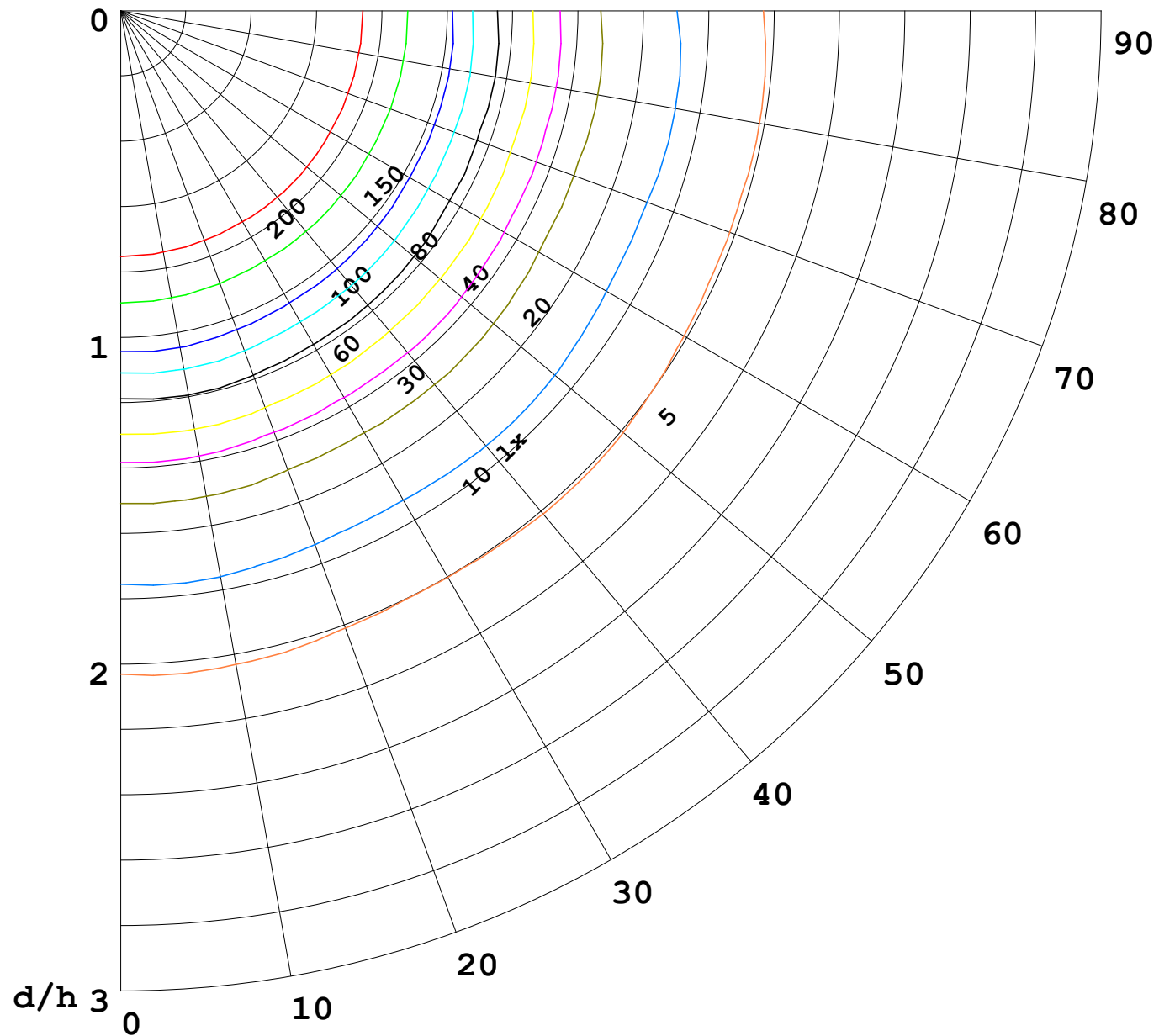
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:21 April 2025

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

