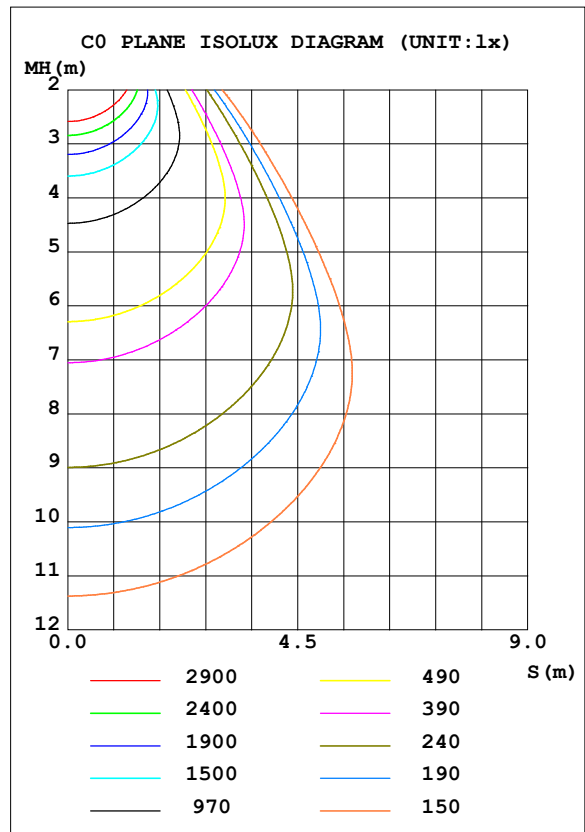
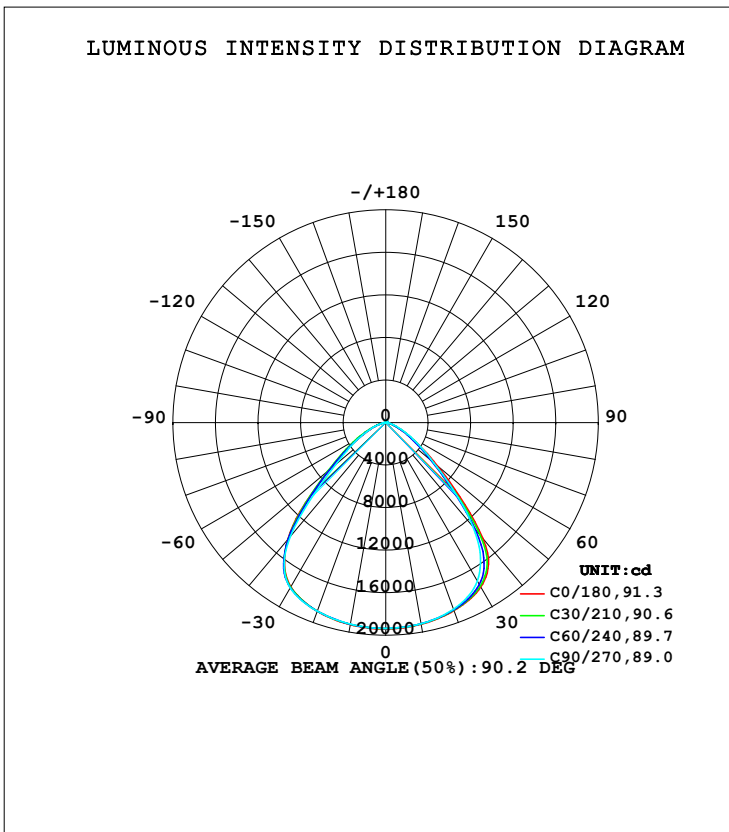


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz		
Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.63 lm/W			
MODEL ASD-UHB2-HE-240D50-BK		I <sub>max</sub> (cd)	19403	S/MH (C0/180)	1.32
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	39751	η UP, DN (C0-180)	0.5, 48.7
NOMINAL FLUX (lm)	39751.5	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)	277	η down (%)	98.9	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 25 May 2023

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:

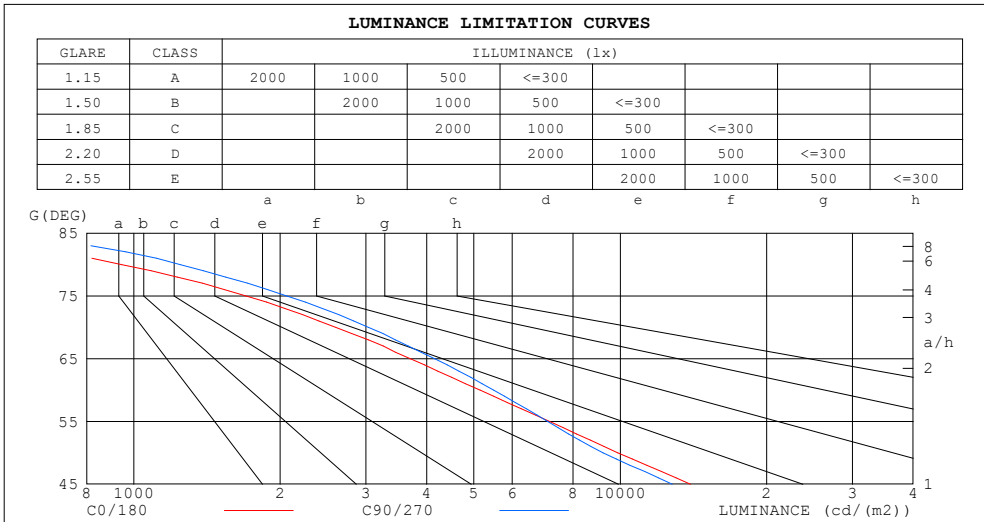
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1925	1921	1920	1922	1929	1924	1924	1923	0- 10	1842	1842	4.63,4.63
20	1881	1876	1866	1864	1886	1885	1887	1881	10- 20	5389	7231	18.2,18.2
30	1786	1774	1721	1695	1784	1789	1795	1765	20- 30	8445	15676	39.4,39.4
40	1419	1359	1276	1270	1436	1419	1398	1301	30- 40	9961	25637	64.5,64.5
50	635.2	578.9	592.5	640.8	698.8	710.7	619.1	567.1	40- 50	7387	33024	83.1,83.1
60	257.5	237.0	274.7	307.1	290.0	302.4	290.3	265.7	50- 60	3822	36846	92.7,92.7
70	89.06	84.82	103.8	117.8	107.3	114.6	111.9	99.26	60- 70	1777	38623	97.2,97.2
80	16.40	16.58	21.65	27.61	27.60	27.73	24.93	20.41	70- 80	601.6	39225	98.7,98.7
90	0.4698	0.4677	0.4367	0.3991	0.9043	0.8011	0.7747	0.8256	80- 90	83.26	39308	98.9,98.9
100	1.239	1.255	1.131	1.032	1.475	1.428	1.495	1.625	90-100	10.07	39318	98.9,98.9
110	2.948	2.925	2.676	2.458	3.040	2.899	2.990	3.195	100-110	21.25	39339	99,99
120	5.705	5.660	5.364	5.026	5.808	5.562	5.544	5.733	110-120	40.66	39380	99.1,99.1
130	9.000	8.963	8.702	8.303	9.285	8.977	8.828	8.931	120-130	63.79	39444	99.2,99.2
140	12.11	12.11	11.90	11.56	12.57	12.25	12.07	12.07	130-140	80.67	39524	99.4,99.4
150	14.62	14.63	14.48	14.22	15.11	14.80	14.69	14.65	140-150	83.62	39608	99.6,99.6
160	17.23	17.23	17.08	16.86	17.59	17.23	17.05	17.08	150-160	72.98	39681	99.8,99.8
170	19.47	19.45	19.39	19.26	19.72	19.47	19.26	19.18	160-170	51.57	39733	100,100
180	20.64	20.57	20.46	20.40	20.67	20.54	20.48	20.39	170-180	18.95	39751	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz		
Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	222	477
80	945	1247
75	1702	2065
70	2604	3036
65	3702	4157
60	5151	5493
55	7155	7094
50	9882	9217
45	13954	12796

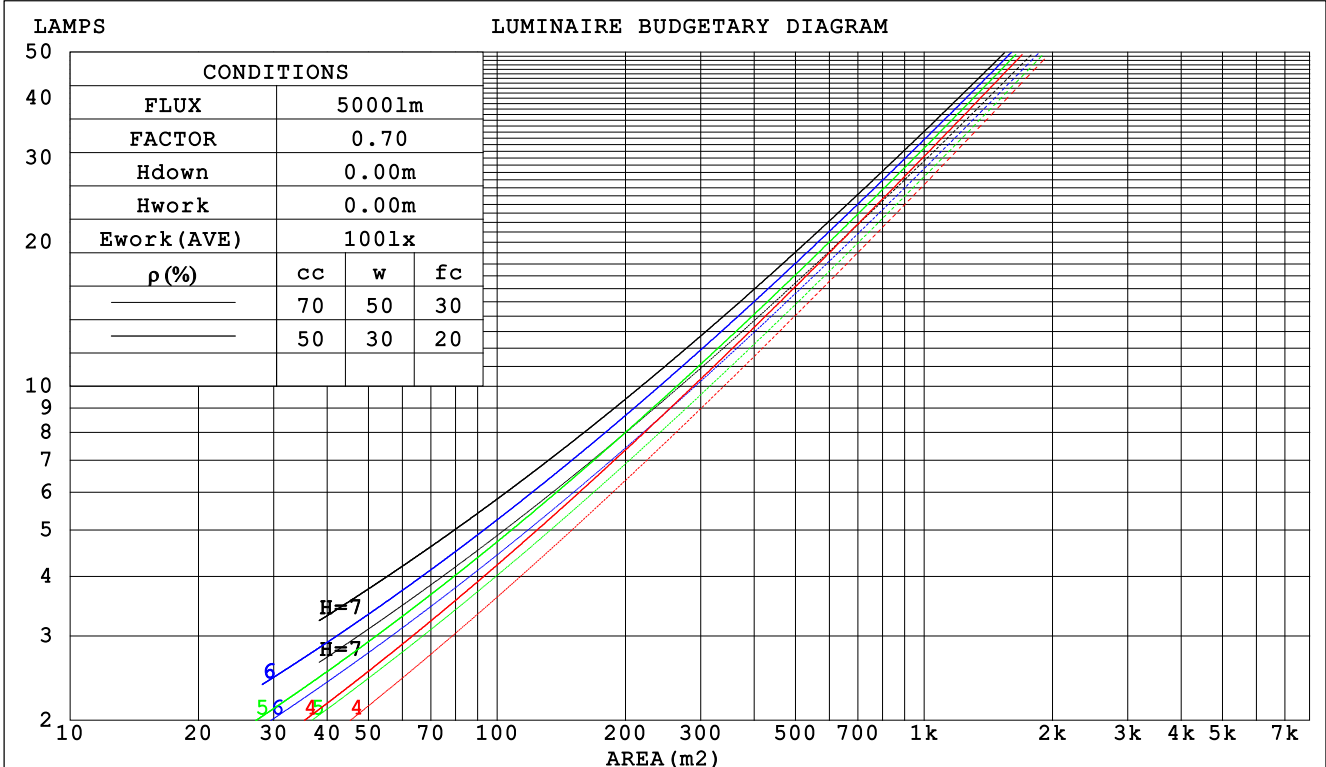
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz		
Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-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	1.04	1.01	1.05	1.02	.90	1.01	.99	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.92	.87	.95	.90	.86	.91	.87	.84	.88	.85	.82	.85	.82	.80	.78
3.0	.87	.81	.76	.86	.80	.75	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.59	.71	.64	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.54
6.0	.66	.58	.52	.65	.57	.52	.63	.56	.52	.61	.55	.51	.60	.55	.51	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz		
Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-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	.233	.133	.042	.226	.129	.041	.213	.122	.039	.200	.115	.037	.189	.109	.035	
2.0	.227	.125	.038	.221	.122	.038	.209	.116	.036	.199	.111	.035	.189	.107	.034	
3.0	.217	.115	.035	.211	.113	.034	.201	.109	.033	.192	.105	.032	.183	.101	.031	
4.0	.205	.107	.031	.200	.105	.031	.191	.102	.030	.183	.098	.030	.175	.095	.029	
5.0	.194	.099	.029	.190	.097	.028	.182	.095	.028	.174	.092	.027	.167	.089	.027	
6.0	.183	.092	.026	.180	.091	.026	.172	.088	.026	.166	.086	.025	.159	.084	.025	
7.0	.173	.086	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	.152	.079	.023	
8.0	.164	.080	.023	.161	.079	.022	.155	.078	.022	.150	.076	.022	.145	.074	.022	
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.143	.072	.020	.138	.070	.020	
10.0	.148	.071	.020	.145	.070	.020	.141	.069	.019	.136	.068	.019	.132	.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																
1.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
2.0	.184	.165	.149	.157	.142	.128	.107	.098	.089	.062	.057	.052	.020	.018	.017	
3.0	.172	.141	.114	.148	.121	.099	.101	.084	.069	.058	.049	.040	.019	.016	.013	
4.0	.163	.123	.091	.140	.106	.078	.096	.073	.055	.055	.043	.032	.018	.014	.011	
5.0	.155	.109	.074	.133	.094	.064	.091	.065	.045	.053	.038	.027	.017	.012	.009	
6.0	.147	.098	.061	.127	.085	.053	.087	.059	.038	.051	.035	.022	.016	.011	.007	
7.0	.141	.089	.052	.121	.077	.046	.083	.054	.032	.048	.032	.019	.016	.010	.006	
8.0	.135	.082	.045	.116	.071	.040	.080	.050	.028	.046	.029	.017	.015	.010	.006	
9.0	.129	.076	.040	.111	.066	.035	.077	.046	.025	.045	.027	.015	.014	.009	.005	
10.0	.124	.071	.036	.106	.062	.032	.074	.044	.022	.043	.026	.013	.014	.008	.004	
10.0	.119	.067	.033	.102	.058	.029	.071	.041	.020	.041	.024	.012	.013	.008	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz										
Lamp Flux:39751.5x1 lm										
NAME: ASD-UHB2-HE-240D50-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	16.4	17.7	16.8	18.1	18.4	16.5	17.9	16.9	18.2	18.5
3H	17.0	18.1	17.4	18.5	18.9	17.1	18.3	17.5	18.7	19.1
4H	17.0	18.1	17.5	18.5	18.9	17.3	18.4	17.7	18.7	19.2
6H	17.0	18.0	17.5	18.4	18.8	17.3	18.3	17.7	18.7	19.1
8H	17.0	17.9	17.4	18.4	18.8	17.3	18.2	17.7	18.6	19.1
12H	16.9	17.9	17.4	18.3	18.7	17.2	18.1	17.7	18.6	19.0
4H 2H	16.5	17.6	16.9	18.0	18.4	16.9	18.0	17.3	18.3	18.7
3H	17.2	18.1	17.6	18.5	18.9	17.6	18.5	18.0	18.9	19.4
4H	17.3	18.1	17.7	18.5	19.0	17.8	18.6	18.2	19.0	19.5
6H	17.3	18.0	17.8	18.5	19.0	17.8	18.5	18.3	19.0	19.5
8H	17.3	17.9	17.8	18.4	18.9	17.8	18.4	18.3	18.9	19.4
12H	17.2	17.8	17.7	18.3	18.8	17.8	18.3	18.3	18.8	19.3
8H 4H	17.3	17.9	17.7	18.4	18.9	17.8	18.4	18.3	18.9	19.4
6H	17.3	17.8	17.8	18.3	18.8	17.9	18.4	18.4	18.9	19.4
8H	17.2	17.7	17.8	18.2	18.7	17.9	18.3	18.4	18.9	19.4
12H	17.2	17.6	17.7	18.1	18.7	17.8	18.2	18.4	18.8	19.4
12H 4H	17.2	17.8	17.7	18.3	18.8	17.8	18.3	18.3	18.8	19.3
6H	17.2	17.7	17.8	18.2	18.7	17.8	18.3	18.4	18.8	19.4
8H	17.2	17.6	17.7	18.1	18.7	17.8	18.3	18.4	18.8	19.4
CIE190: 2010										

CIE190: 2010  
Area: 1 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:25 May 2023

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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz		
Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

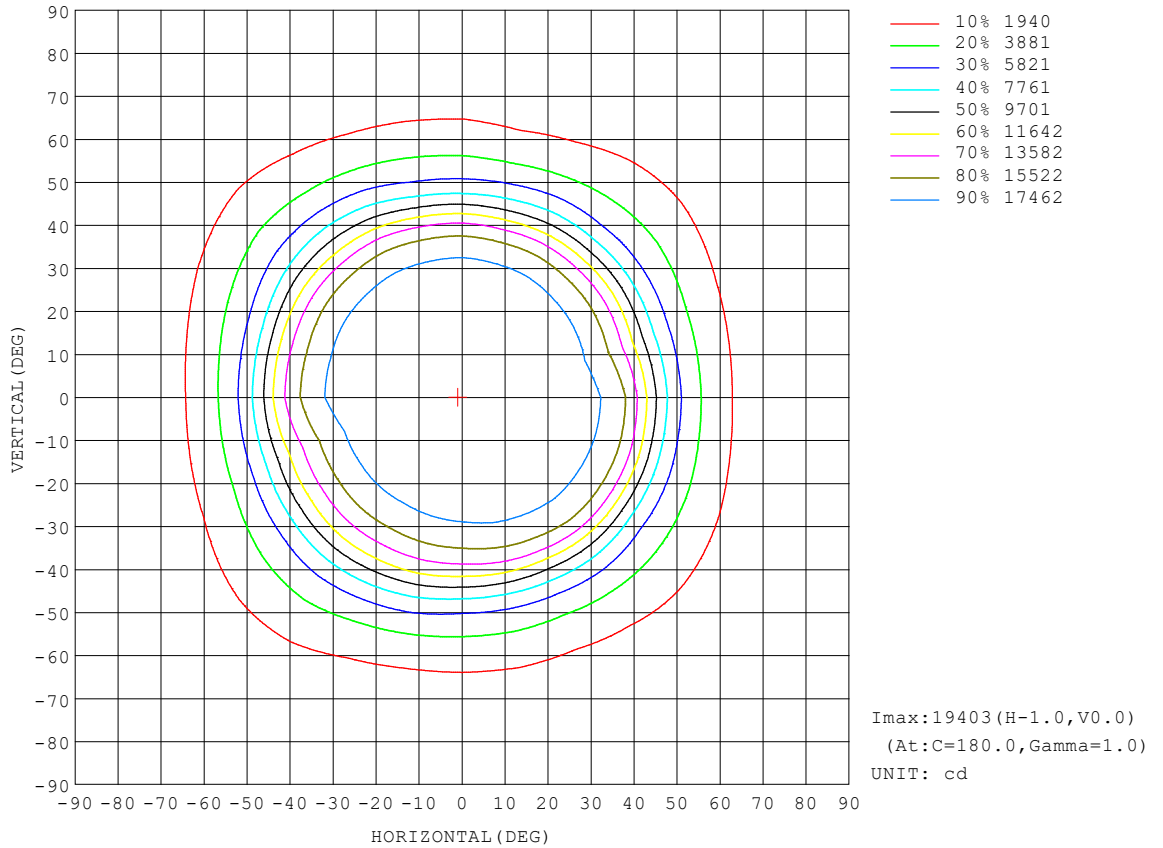
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	69	60	54	68	59	54	67	59	54	48
0.80	79	70	64	78	69	64	76	68	63	58
1.00	87	78	72	85	77	72	83	78	71	66
1.25	93	85	79	91	84	79	89	83	78	72
1.50	97	89	84	95	89	84	92	87	83	76
2.00	102	96	91	100	95	90	97	92	89	82
2.50	105	99	95	103	98	94	99	95	92	84
3.00	107	102	98	105	101	97	101	98	95	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	103	105	102	100	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:C  
 Test Date:25 May 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz		
Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



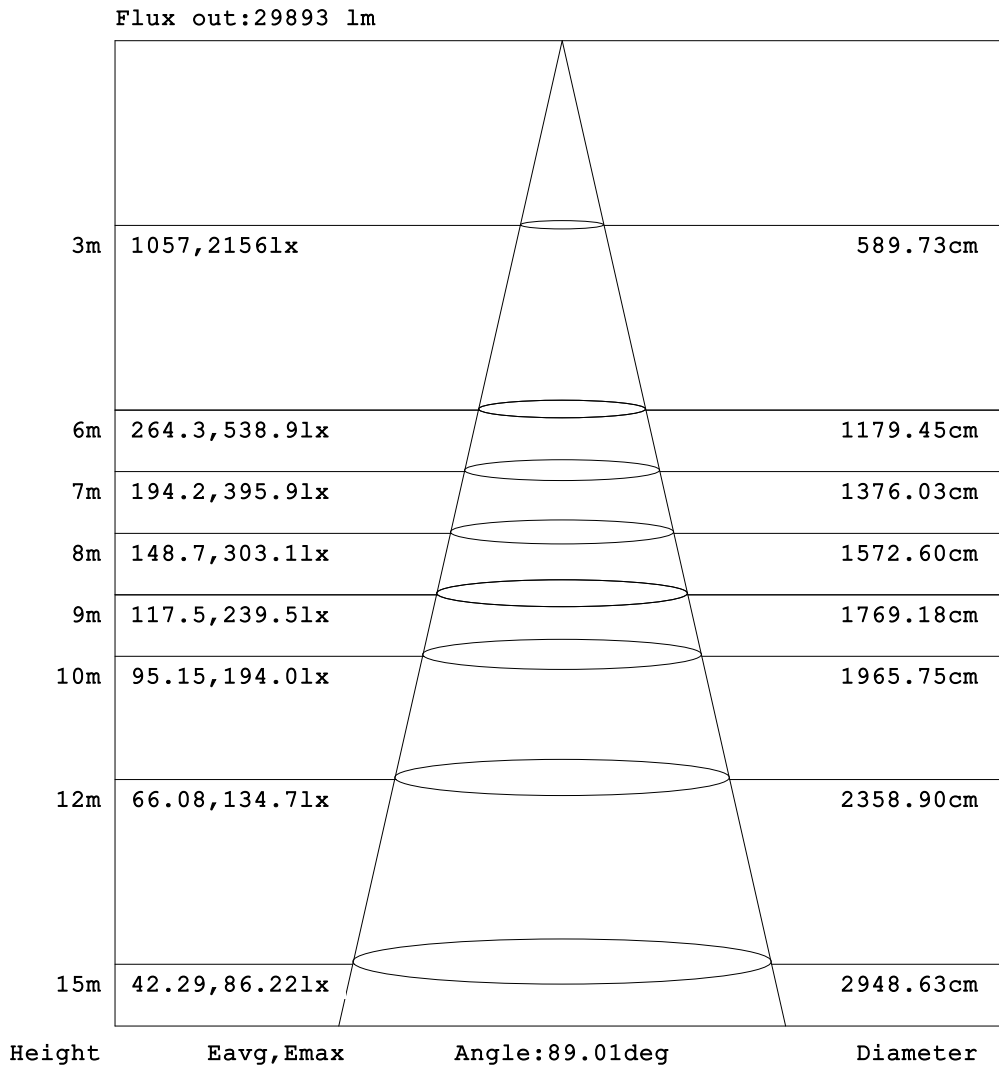
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz		
Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



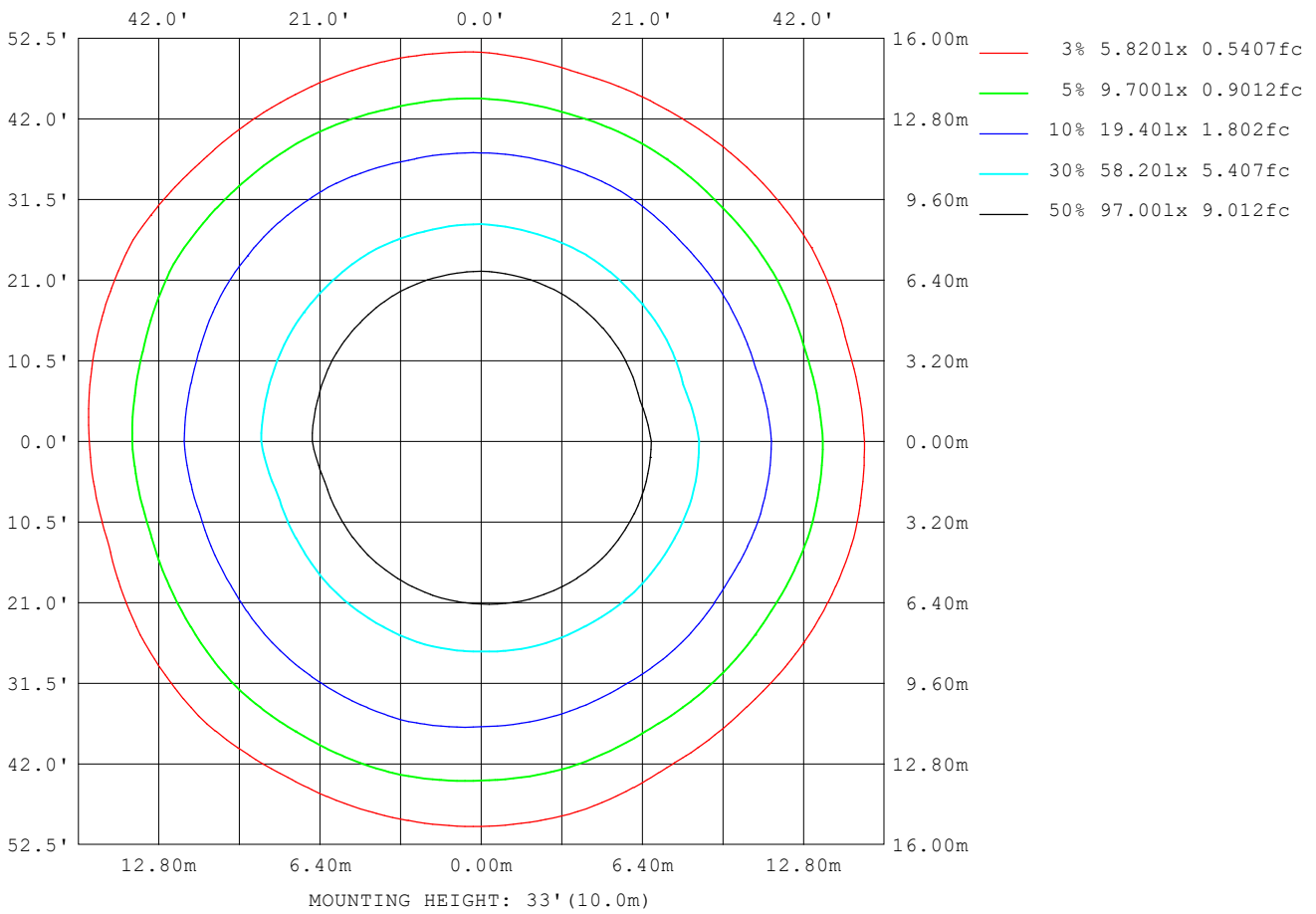
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

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**

<b>Test:U:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz</b> <b>Lamp Flux:39751.5x1 lm</b>		
<b>NAME: ASD-UHB2-HE-240D50-BK</b>	<b>TYPE:</b>	
<b>MFR.: ASD LIGHTING CORP</b>		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

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:277.07V I:0.8610A P:238.57W PF:0.9873 Freq:49.97Hz Lamp Flux:39751.5x1 lm		
NAME: ASD-UHB2-HE-240D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

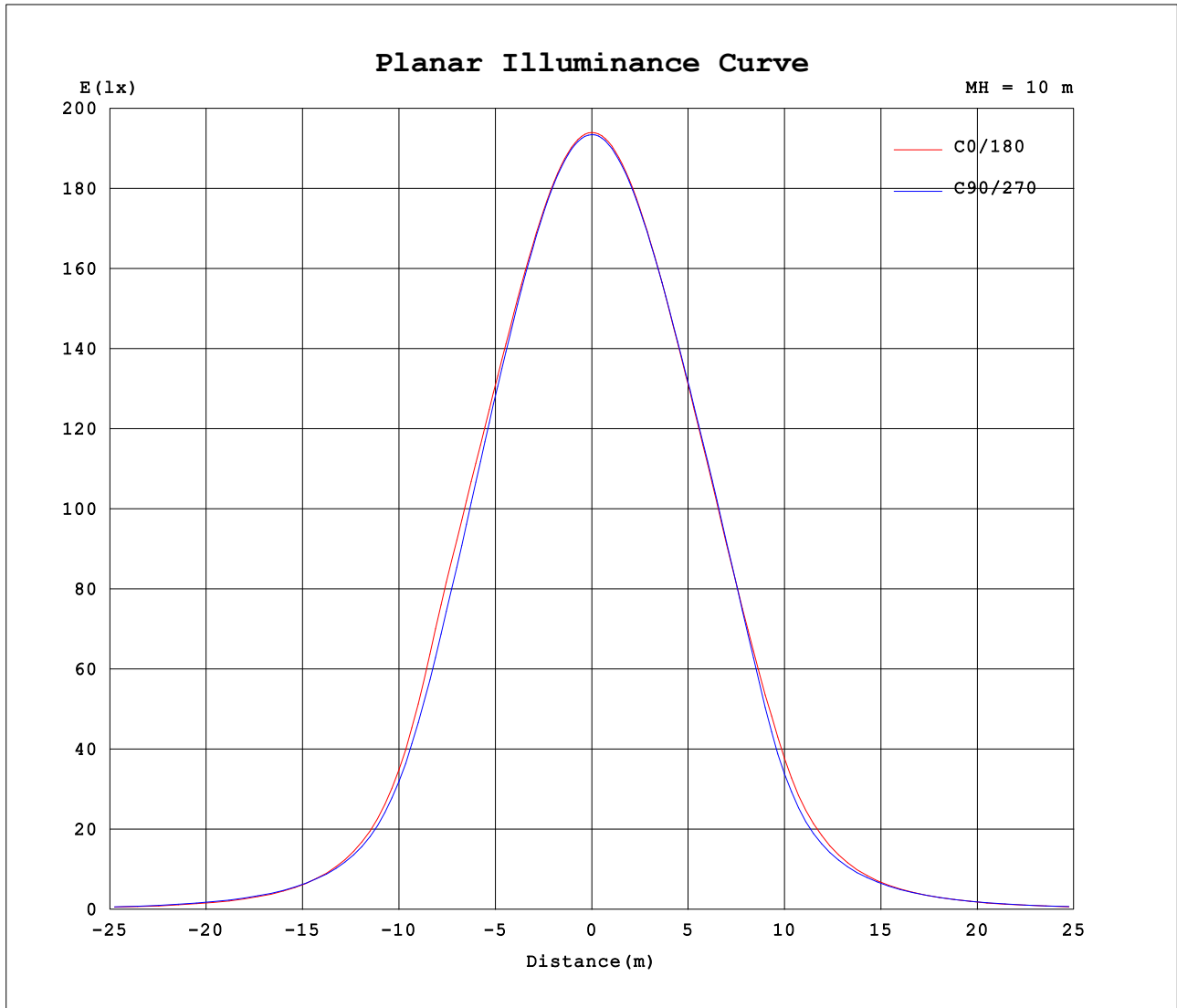
AvgL	cd/m2
L_0~180 (65) av	3985
L_0~180 (75) av	1988
L_0~180 (85) av	599
L_90~270 (65) av	4306
L_90~270 (75) av	2161
L_90~270 (85) av	561
L_45 (65) av	4163
L_45 (75) av	2096
L_45 (85) av	598

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

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**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 25 May 2023

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:

**Photometric Data Table [cd]**

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	19400	19384	19366	19356	19351	19348	19344	19348	19353	19357
3.0	19383	19361	19346	19340	19334	19331	19332	19336	19339	19346
6.0	19341	19325	19306	19299	19292	19294	19294	19300	19303	19312
9.0	19274	19258	19240	19236	19229	19229	19226	19237	19239	19247
12.0	19186	19169	19148	19145	19135	19138	19131	19138	19133	19143
15.0	19067	19050	19031	19026	19016	19016	18998	18997	18987	19000
18.0	18920	18909	18881	18876	18856	18848	18812	18804	18785	18798
21.0	18743	18730	18698	18695	18658	18635	18575	18564	18524	18541
24.0	18527	18509	18471	18456	18404	18355	18265	18222	18165	18174
27.0	18242	18226	18179	18159	18066	17989	17842	17756	17654	17669
30.0	17860	17838	17766	17735	17588	17457	17211	17085	16931	16954
33.0	17304	17270	17167	17107	16859	16631	16312	16169	16000	16005
36.0	16451	16425	16242	16130	15700	15452	15114	15035	14818	14820
39.0	14926	14922	14616	14391	13900	13716	13414	13423	13235	13228
42.0	12510	12513	12022	11740	11308	11408	11376	11611	11495	11518
45.0	9867	9725	9151	9032	8801	8979	9048	9362	9346	9423
48.0	7592	7360	6855	6902	6762	6905	7005	7416	7457	7470
51.0	5830	5693	5311	5314	5213	5399	5480	5841	5867	5957
54.0	4481	4459	4219	4091	4024	4290	4378	4580	4619	4787
57.0	3409	3486	3347	3116	3105	3402	3493	3541	3593	3843
60.0	2575	2697	2603	2370	2381	2667	2747	2713	2777	3071
63.0	1916	2035	1965	1789	1800	2052	2117	2081	2120	2377
66.0	1405	1492	1438	1325	1336	1536	1587	1562	1587	1791
69.0	1005	1061	1022	954.2	967.7	1117	1165	1141	1167	1314
72.0	687.2	722.5	694.7	662.0	674.7	782.6	815.2	808.6	826.3	931.6
75.0	440.4	456.7	437.6	426.8	441.0	513.4	534.4	538.2	552.7	623.7
78.0	255.7	264.6	248.2	259.2	263.7	315.8	321.2	334.3	346.0	389.4
81.0	128.4	124.6	120.2	129.7	139.6	163.5	174.2	193.5	201.8	225.1
84.0	33.68	35.65	33.83	40.24	44.45	57.08	65.01	84.75	94.60	104.8
87.0	6.935	7.707	7.367	8.391	8.649	11.29	12.51	17.92	19.95	25.87
90.0	4.698	4.825	4.994	4.677	4.642	4.459	4.367	3.970	3.986	3.991
93.0	6.301	6.518	6.684	6.386	6.249	6.034	5.866	5.436	5.382	5.349
96.0	8.470	8.656	8.943	8.581	8.403	8.032	7.798	7.295	7.197	7.129
99.0	11.30	11.45	11.83	11.44	11.19	10.56	10.31	9.710	9.627	9.413
102.0	14.91	15.01	15.46	15.02	14.69	13.88	13.50	12.83	12.68	12.37
105.0	19.52	19.57	20.01	19.53	19.13	18.05	17.59	16.75	16.58	16.11
108.0	25.20	25.14	25.60	25.02	24.57	23.32	22.71	21.73	21.46	20.87
111.0	31.84	31.72	32.17	31.59	31.09	29.66	28.96	27.84	27.49	26.73
114.0	39.41	39.22	39.70	39.04	38.63	37.02	36.29	34.95	34.56	33.60
117.0	47.88	47.64	48.10	47.49	47.00	45.37	44.58	43.16	42.61	41.56
120.0	57.05	56.75	57.22	56.60	56.12	54.45	53.64	52.12	51.51	50.26
123.0	66.61	66.35	66.80	66.22	65.71	64.06	63.24	61.69	60.94	59.58
126.0	76.57	76.38	76.82	76.21	75.72	74.15	73.32	71.69	70.87	69.49
129.0	86.66	86.53	86.90	86.33	85.85	84.43	83.61	81.96	81.05	79.69
132.0	96.47	96.39	96.73	96.25	95.75	94.51	93.74	92.09	91.09	89.80
135.0	106.1	106.0	106.4	106.0	105.6	104.4	103.7	102.1	101.1	99.84
138.0	115.2	115.2	115.5	115.3	114.9	113.9	113.0	111.6	110.7	109.5
141.0	123.8	123.8	124.0	123.6	123.6	122.7	121.8	120.5	119.7	118.6
144.0	131.6	131.8	131.9	131.8	131.6	130.8	130.1	128.8	128.1	127.0
147.0	138.9	139.1	139.2	138.9	138.9	138.3	137.6	136.4	135.7	134.8
150.0	146.2	146.4	146.5	146.3	146.1	145.5	144.8	143.7	143.1	142.2
153.0	154.0	154.1	154.2	153.9	153.6	152.9	152.3	151.3	150.6	149.8
156.0	162.0	162.0	162.1	161.9	161.4	160.7	160.2	159.2	158.7	157.8
159.0	169.7	169.9	169.9	169.7	169.2	168.6	168.1	167.3	166.7	165.9
162.0	177.4	177.7	177.6	177.4	176.5	176.5	176.1	175.4	174.8	174.1
165.0	184.6	184.7	184.5	184.4	184.2	183.9	183.5	182.9	182.4	181.7
168.0	190.9	191.0	190.7	190.8	190.6	190.5	190.1	189.7	189.3	188.7
171.0	196.4	196.5	196.2	196.2	196.0	195.9	195.7	195.3	194.9	194.5
174.0	201.0	201.0	200.7	200.7	200.4	200.3	200.0	199.8	199.4	199.1
177.0	204.3	204.2	203.8	203.7	203.4	203.3	203.0	202.8	202.5	202.3
180.0	206.4	206.3	205.7	205.7	205.2	205.1	204.6	204.5	204.1	204.0
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	19362	19370	19400	19384	19366	19356	19351	19348	19344	19348
3.0	19354	19364	19395	19375	19360	19348	19346	19341	19339	19339
6.0	19320	19332	19370	19346	19334	19322	19317	19311	19312	19308
9.0	19255	19270	19311	19295	19279	19268	19267	19258	19256	19256
12.0	19154	19176	19236	19208	19201	19188	19187	19184	19184	19178
15.0	19009	19037	19125	19103	19100	19086	19085	19081	19088	19083
18.0	18809	18846	18983	18964	18965	18956	18964	18962	18965	18960
21.0	18547	18599	18799	18785	18790	18787	18799	18801	18810	18800
24.0	18185	18251	18567	18547	18565	18567	18591	18596	18612	18587
27.0	17668	17763	18260	18235	18272	18278	18324	18320	18342	18304
30.0	16934	17059	17840	17826	17874	17887	17940	17940	17954	17879

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 25 May 2023

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:

**Photometric Data Table [cd]**

33.0	15967	16094	17199	17156	17261	17261	17350	17311	17329	17176
36.0	14739	14913	16203	16141	16266	16242	16366	16267	16267	16013
39.0	13139	13333	14890	14756	14863	14796	14881	14714	14632	14294
42.0	11390	11593	13054	12891	12907	12750	12764	12386	12290	11815
45.0	9262	9506	10689	10573	10647	10443	10304	9748	9578	9247
48.0	7339	7510	8272	8144	8355	8385	8151	7509	7324	7175
51.0	5794	5872	6409	6324	6617	6554	6344	5820	5720	5585
54.0	4646	4579	4921	4969	5256	5086	4960	4664	4554	4315
57.0	3764	3545	3774	4014	4185	3928	3838	3760	3640	3312
60.0	3010	2755	2900	3161	3310	3024	2955	2958	2903	2532
63.0	2343	2097	2187	2467	2565	2294	2231	2306	2258	1922
66.0	1774	1584	1632	1853	1926	1715	1670	1735	1708	1433
69.0	1309	1179	1195	1361	1414	1279	1223	1271	1250	1047
72.0	932.8	851.6	856.4	974.0	1005	902.0	873.5	898.9	880.7	736.3
75.0	627.1	588.7	588.9	663.6	685.3	617.0	598.5	597.8	584.4	492.9
78.0	391.8	382.6	382.2	421.7	434.9	392.9	381.3	368.6	356.0	309.6
81.0	225.7	239.7	228.0	241.6	258.7	230.2	220.1	204.1	196.1	174.8
84.0	109.4	122.3	118.2	118.0	121.9	112.7	106.6	94.92	83.98	73.08
87.0	27.45	33.39	36.78	35.68	37.69	32.18	30.49	24.62	23.02	18.44
90.0	4.094	4.124	9.043	8.543	9.097	8.011	8.035	7.749	7.712	7.912
93.0	5.417	5.153	9.226	9.258	9.073	8.993	8.934	9.271	9.405	9.606
96.0	7.188	6.942	11.21	11.24	10.97	10.89	10.85	11.28	11.45	11.77
99.0	9.558	9.252	13.76	13.79	13.37	13.34	13.27	13.81	13.98	14.49
102.0	12.53	12.24	17.03	16.95	16.44	16.40	16.34	16.91	17.20	17.82
105.0	16.30	15.97	21.09	20.96	20.26	20.22	20.12	20.81	21.15	21.98
108.0	21.03	20.69	26.26	26.03	25.21	25.10	24.93	25.66	26.09	27.07
111.0	26.89	26.39	32.64	32.28	31.29	31.09	30.84	31.57	31.98	33.10
114.0	33.72	33.14	40.09	39.64	38.50	38.27	37.82	38.53	38.85	40.08
117.0	41.58	40.90	48.64	48.08	46.79	46.52	45.92	46.48	46.74	47.94
120.0	50.24	49.47	58.08	57.39	56.03	55.62	54.90	55.35	55.44	56.62
123.0	59.53	58.65	68.16	67.42	65.92	65.45	64.65	64.94	64.85	65.91
126.0	69.35	68.43	78.67	77.87	76.35	75.78	74.84	75.04	74.74	75.65
129.0	79.48	78.48	89.41	88.50	87.01	86.26	85.37	85.36	84.96	85.60
132.0	89.49	88.46	99.90	99.07	97.48	96.68	95.70	95.65	95.00	95.55
135.0	99.50	98.40	110.0	109.1	107.7	106.8	105.9	105.6	105.0	105.3
138.0	109.0	108.0	119.7	118.7	117.4	116.5	115.6	115.3	114.6	114.7
141.0	118.0	117.0	128.6	127.5	126.3	125.4	124.7	124.3	123.7	123.6
144.0	126.4	125.5	136.8	135.6	134.5	133.7	132.9	132.6	132.1	131.9
147.0	134.1	133.4	144.3	143.0	142.0	141.1	140.5	140.2	139.8	139.6
150.0	141.7	140.9	151.1	150.0	148.9	148.0	147.4	147.2	146.9	146.8
153.0	149.4	148.7	158.0	156.8	155.7	154.7	154.1	153.9	153.7	153.8
156.0	157.4	156.6	165.4	164.2	163.0	161.9	161.2	160.9	160.7	161.0
159.0	165.4	164.7	173.2	172.0	170.9	169.6	168.8	168.3	168.0	168.2
162.0	173.6	172.9	181.0	179.8	178.7	177.5	176.6	175.9	175.4	175.4
165.0	181.2	180.6	188.1	187.0	186.0	184.8	183.9	183.1	182.5	182.3
168.0	188.2	187.7	193.9	192.9	192.2	191.1	190.3	189.5	188.9	188.5
171.0	194.1	193.6	198.6	197.8	197.2	196.3	195.7	194.9	194.3	193.9
174.0	198.8	198.5	202.2	201.5	201.1	200.4	199.9	199.3	198.8	198.4
177.0	202.0	201.9	205.2	204.5	204.3	203.7	203.4	202.9	202.6	202.2
180.0	203.8	203.8	206.7	206.0	206.0	205.4	205.4	204.9	204.8	204.3
G/C	300.0	315.0	330.0	345.0						
0.0	19353	19357	19362	19370						
3.0	19345	19344	19349	19356						
6.0	19310	19310	19316	19316						
9.0	19257	19254	19254	19254						
12.0	19183	19171	19172	19160						
15.0	19083	19063	19056	19037						
18.0	18952	18925	18908	18879						
21.0	18785	18747	18718	18672						
24.0	18568	18504	18452	18381						
27.0	18266	18160	18090	17979						
30.0	17814	17652	17546	17399						
33.0	17080	16842	16730	16494						
36.0	15894	15594	15477	15232						
39.0	14134	13798	13706	13435						
42.0	11672	11306	11322	11096						
45.0	9144	8769	8810	8771						
48.0	7085	6703	6759	6866						
51.0	5534	5250	5331	5368						
54.0	4285	4214	4281	4203						
57.0	3282	3370	3418	3241						
60.0	2513	2657	2693	2475						
63.0	1906	2044	2069	1892						
66.0	1423	1535	1551	1418						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 25 May 2023

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:

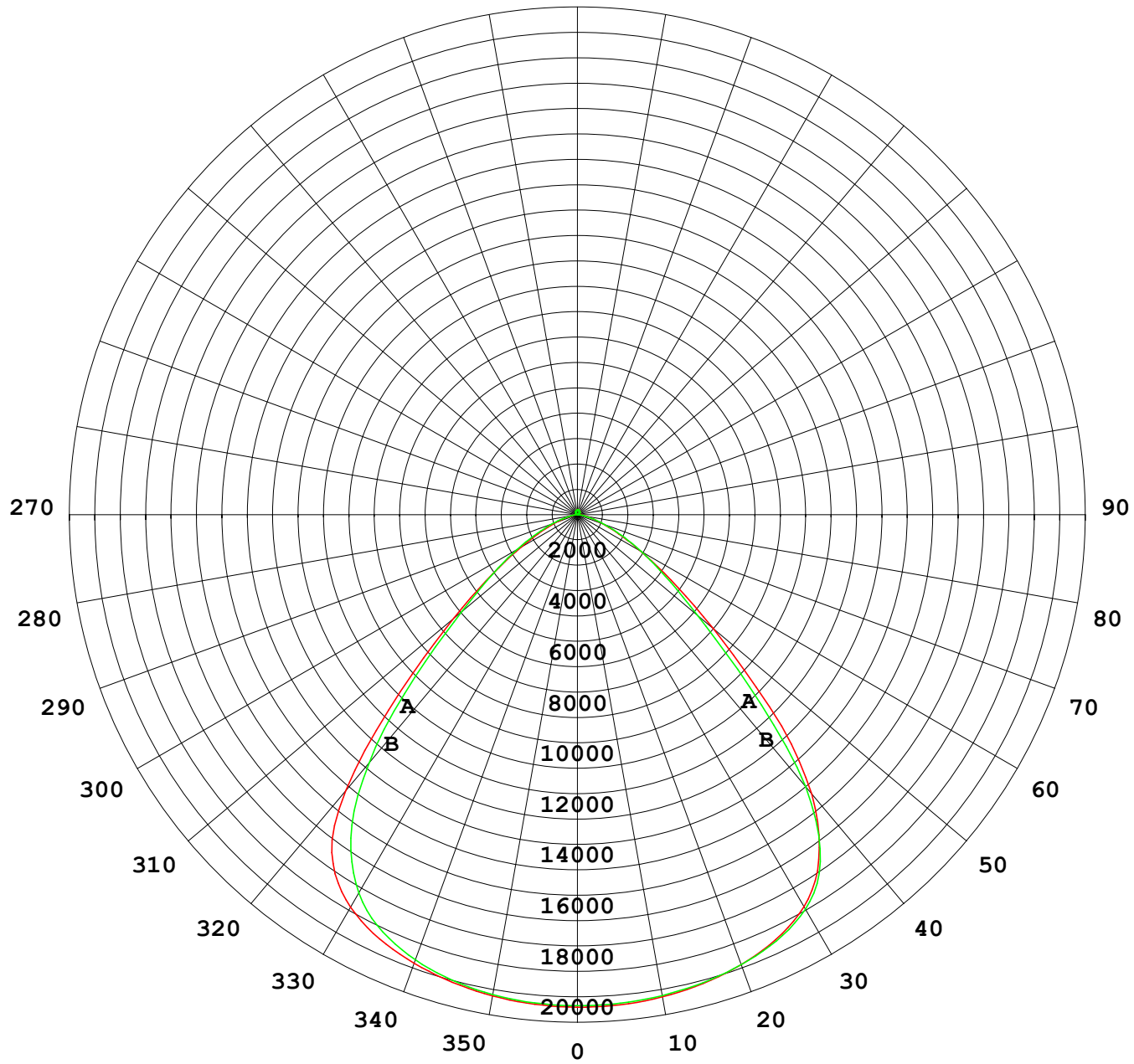
**Photometric Data Table [cd]**

69.0	1035	1123	1126	1032
72.0	726.3	771.4	781.7	713.8
75.0	482.9	502.4	505.5	462.1
78.0	306.2	304.2	310.8	280.9
81.0	171.7	162.5	162.0	152.5
84.0	70.31	57.80	56.53	49.32
87.0	17.32	14.16	13.80	12.01
90.0	7.935	8.256	8.205	8.203
93.0	9.706	10.09	10.02	10.01
96.0	11.89	12.36	12.23	12.28
99.0	14.63	15.16	14.99	15.09
102.0	18.07	18.61	18.45	18.59
105.0	22.26	22.88	22.63	22.90
108.0	27.38	28.01	27.76	28.10
111.0	33.41	34.03	33.75	34.22
114.0	40.33	40.96	40.63	41.22
117.0	48.16	48.75	48.39	49.08
120.0	56.75	57.33	56.96	57.72
123.0	65.91	66.52	66.06	66.95
126.0	75.59	76.16	75.71	76.59
129.0	85.56	86.00	85.60	86.37
132.0	95.35	95.85	95.34	96.16
135.0	105.0	105.5	105.0	105.7
138.0	114.5	114.8	114.5	115.0
141.0	123.3	123.6	123.4	123.7
144.0	131.5	131.7	131.5	131.7
147.0	139.2	139.2	139.1	139.2
150.0	146.5	146.5	146.4	146.4
153.0	153.6	153.7	153.7	153.5
156.0	160.9	161.1	161.1	160.9
159.0	168.2	168.4	168.3	168.1
162.0	175.3	175.4	175.4	175.1
165.0	182.1	182.1	182.1	181.7
168.0	188.2	188.1	188.1	187.6
171.0	193.6	193.5	193.4	192.9
174.0	198.1	198.0	198.0	197.4
177.0	202.0	201.8	201.8	201.3
180.0	204.2	203.9	203.9	203.7

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:25 May 2023

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:

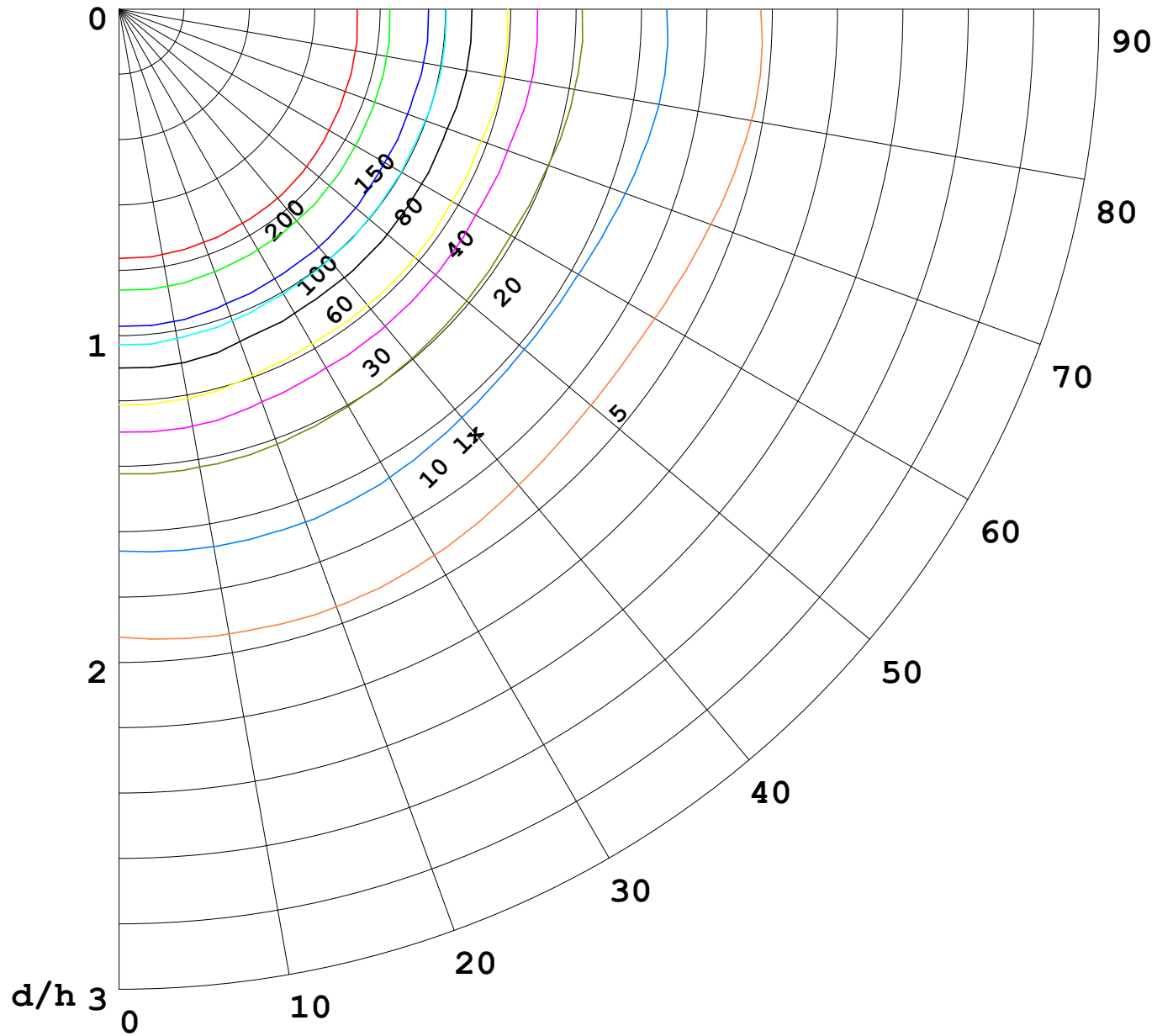
I (cd)





1000 lm

$K = 1$



F = 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

