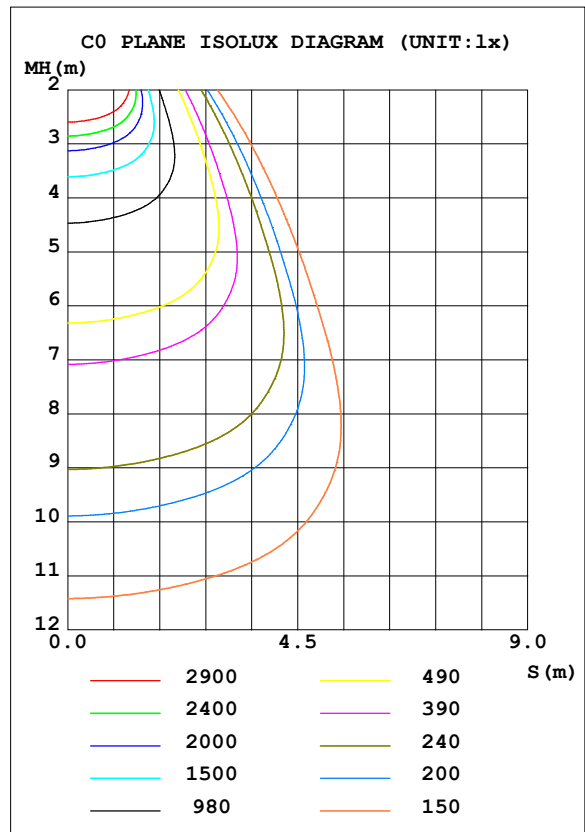
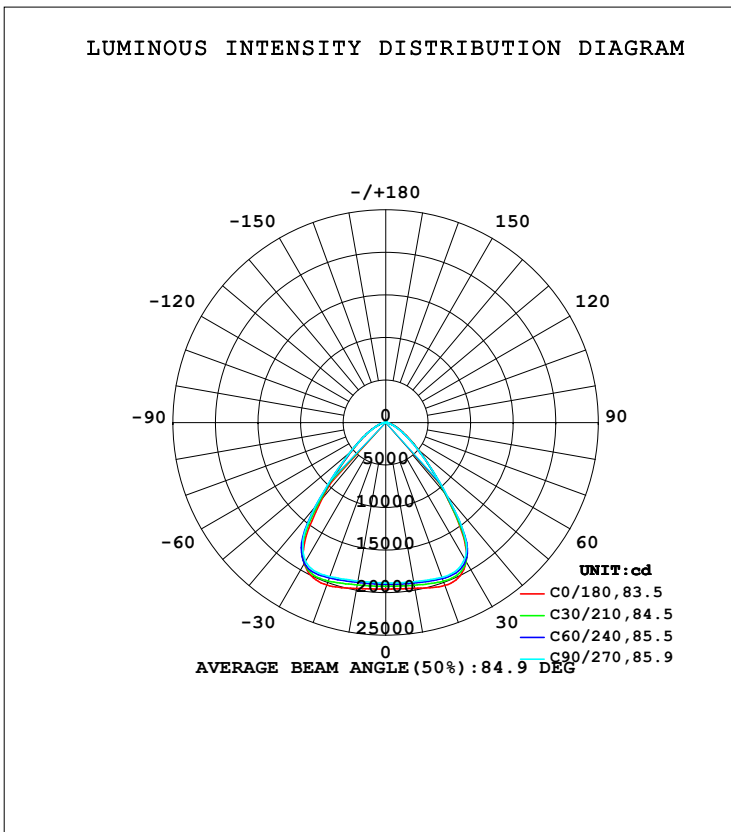


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.57V I:1.9897A P:237.81W PF:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.88 lm/W			
MODEL	HB15-240W-4000K-90°	I <sub>max</sub> (cd)	20383	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)	38258	η UP, DN (C0-180)	0.5, 48.7
NOMINAL FLUX (lm)	38258	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: DAMIN  
 Test Date: 01 November 2023

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:

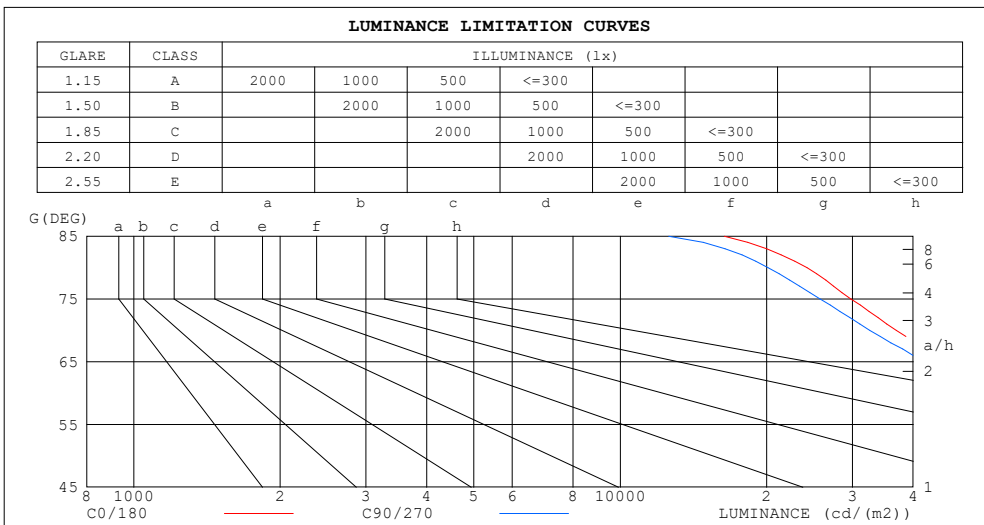
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1978	1927	1898	1883	1979	1921	1891	1880	0- 10	1816	1816	4.75,4.75
20	2036	1965	1936	1919	2031	1959	1926	1926	10- 20	5476	7292	19.1,19.1
30	1889	1893	1853	1842	1917	1910	1885	1836	20- 30	8951	16243	42.5,42.5
40	1083	1113	1127	1134	1158	1239	1287	1163	30- 40	9866	26109	68.2,68.2
50	511.6	506.5	494.6	521.6	532.9	538.9	551.5	536.6	40- 50	6135	32245	84.3,84.3
60	239.9	230.8	220.4	235.9	243.3	240.8	246.2	246.2	50- 60	3228	35473	92.7,92.7
70	101.6	95.01	89.57	96.81	104.0	100.9	101.2	101.5	60- 70	1579	37051	96.8,96.8
80	33.81	30.66	28.08	30.88	35.74	33.31	33.05	33.07	70- 80	646.9	37698	98.5,98.5
90	0.5205	0.5129	0.5095	0.5022	1.563	1.520	1.484	1.500	80- 90	138.8	37837	98.9,98.9
100	1.069	1.062	1.065	1.051	2.233	2.162	2.105	2.146	90-100	13.89	37851	98.9,98.9
110	2.237	2.252	2.284	2.201	3.476	3.396	3.329	3.407	100-110	22.62	37873	99,99
120	4.466	4.573	4.623	4.399	5.749	5.716	5.637	5.732	110-120	38.20	37912	99.1,99.1
130	7.574	7.680	7.705	7.405	8.935	8.899	8.779	8.844	120-130	59.17	37971	99.2,99.2
140	10.69	10.70	10.66	10.40	12.05	11.89	11.73	11.72	130-140	75.19	38046	99.4,99.4
150	13.25	13.20	13.13	12.89	14.43	14.14	13.92	13.85	140-150	77.67	38124	99.6,99.6
160	15.91	15.88	15.74	15.42	16.60	16.30	16.02	15.90	150-160	67.60	38191	99.8,99.8
170	18.97	18.74	18.41	18.13	19.21	18.77	18.45	18.22	160-170	48.54	38240	100,100
180	20.33	19.91	19.40	19.25	20.49	19.80	19.47	19.22	170-180	18.17	38258	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:01 November 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	16383	12576
80	24220	20118
75	29779	25762
70	36938	32580
65	46908	42106
60	59690	54847
55	76365	71950
50	99017	95715
45	130317	130809

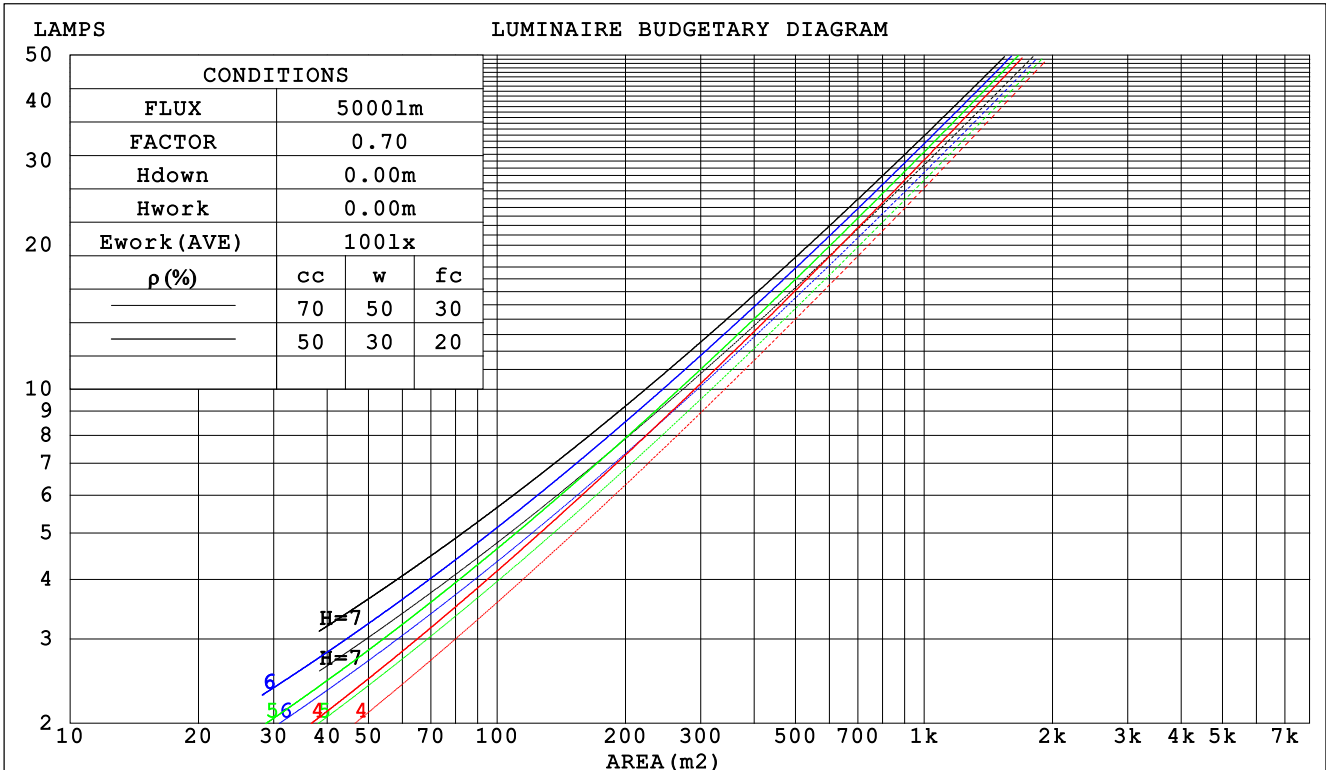
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:01 November 2023

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:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

ρcc	80%			70%			50%			30%			10%			0		
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0		
ρw	0																	
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	.00	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:DAMIN  
 Test Date:01 November 2023

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:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

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	.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	.056	.052	.020	.018	.017	
2.0	.172	.141	.115	.147	.121	.099	.101	.084	.069	.058	.049	.041	.019	.016	.013	
3.0	.162	.122	.091	.139	.106	.079	.095	.073	.055	.055	.043	.033	.018	.014	.011	
4.0	.154	.109	.074	.132	.094	.064	.091	.065	.045	.052	.038	.027	.017	.012	.009	
5.0	.146	.098	.062	.126	.084	.054	.086	.059	.038	.050	.035	.023	.016	.011	.007	
6.0	.139	.089	.053	.120	.077	.046	.083	.054	.032	.048	.032	.019	.015	.010	.006	
7.0	.133	.082	.046	.115	.071	.040	.079	.050	.028	.046	.029	.017	.015	.010	.006	
8.0	.128	.076	.040	.110	.066	.035	.076	.046	.025	.044	.027	.015	.014	.009	.005	
9.0	.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:DAMIN  
 Test Date:01 November 2023

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:1.0000 Freq:50.04Hz										
Lamp Flux:38258x1 lm										
NAME: HBUD3-SW3B240S-CDGLY					TYPE:					
MFR.:										
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	24.3	25.6	24.7	26.0	26.3	24.1	25.4	24.5	25.7	26.1
3H	25.1	26.3	25.5	26.6	27.0	24.8	26.0	25.2	26.3	26.7
4H	25.4	26.4	25.8	26.8	27.2	25.0	26.1	25.4	26.4	26.9
6H	25.5	26.5	26.0	26.9	27.3	25.1	26.1	25.5	26.5	26.9
8H	25.6	26.5	26.0	26.9	27.3	25.1	26.0	25.6	26.5	26.9
12H	25.6	26.4	26.0	26.8	27.3	25.1	26.0	25.6	26.4	26.9
4H 2H	24.6	25.6	25.0	26.0	26.4	24.4	25.4	24.8	25.8	26.2
3H	25.5	26.4	25.9	26.8	27.2	25.2	26.1	25.7	26.5	27.0
4H	25.8	26.6	26.3	27.0	27.5	25.5	26.3	26.0	26.7	27.2
6H	26.1	26.7	26.5	27.2	27.7	25.7	26.3	26.2	26.8	27.3
8H	26.1	26.7	26.6	27.2	27.7	25.7	26.3	26.2	26.8	27.3
12H	26.1	26.7	26.6	27.2	27.7	25.7	26.3	26.2	26.8	27.3
8H 4H	25.9	26.5	26.3	27.0	27.4	25.6	26.2	26.1	26.7	27.2
6H	26.1	26.6	26.7	27.2	27.7	25.8	26.3	26.3	26.8	27.3
8H	26.2	26.7	26.8	27.2	27.7	25.8	26.3	26.4	26.8	27.4
12H	26.3	26.7	26.8	27.2	27.8	25.9	26.3	26.4	26.8	27.4
12H 4H	25.8	26.4	26.3	26.9	27.4	25.5	26.1	26.0	26.6	27.1
6H	26.1	26.6	26.7	27.1	27.6	25.8	26.2	26.3	26.7	27.3
8H	26.2	26.6	26.8	27.1	27.7	25.9	26.3	26.4	26.8	27.4
CIE190: 2010										

CIE190: 2010  
Area: 0.080384 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:01 November 2023

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:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

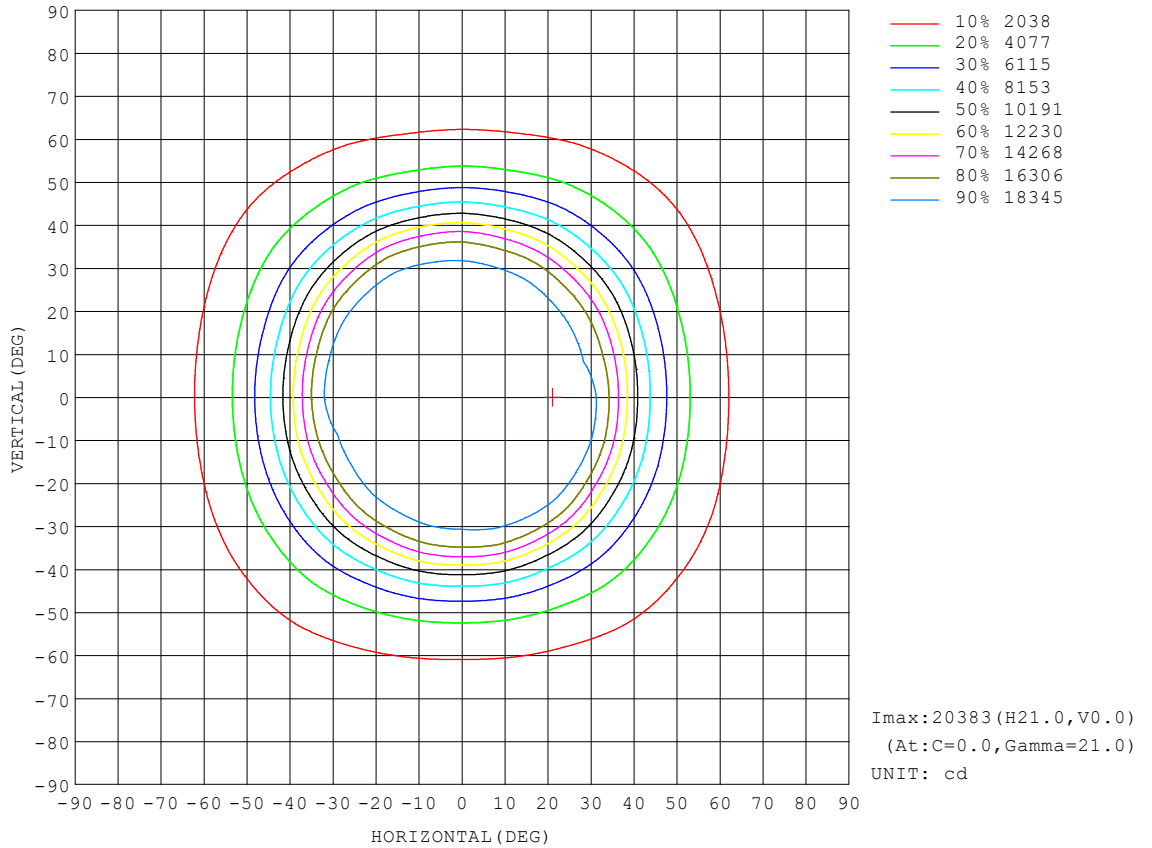
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	71	62	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	66	78	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:DAMIN  
 Test Date:01 November 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		



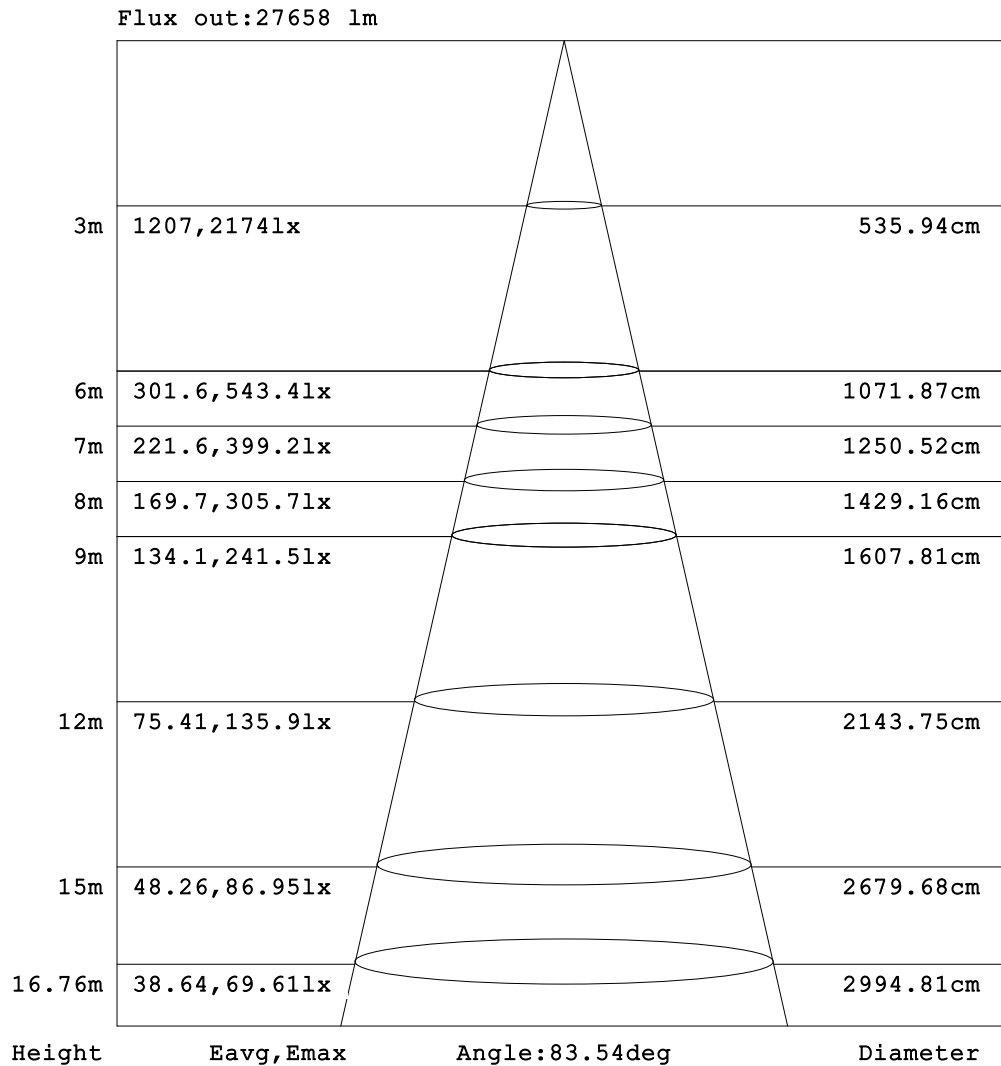
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:01 November 2023

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:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		



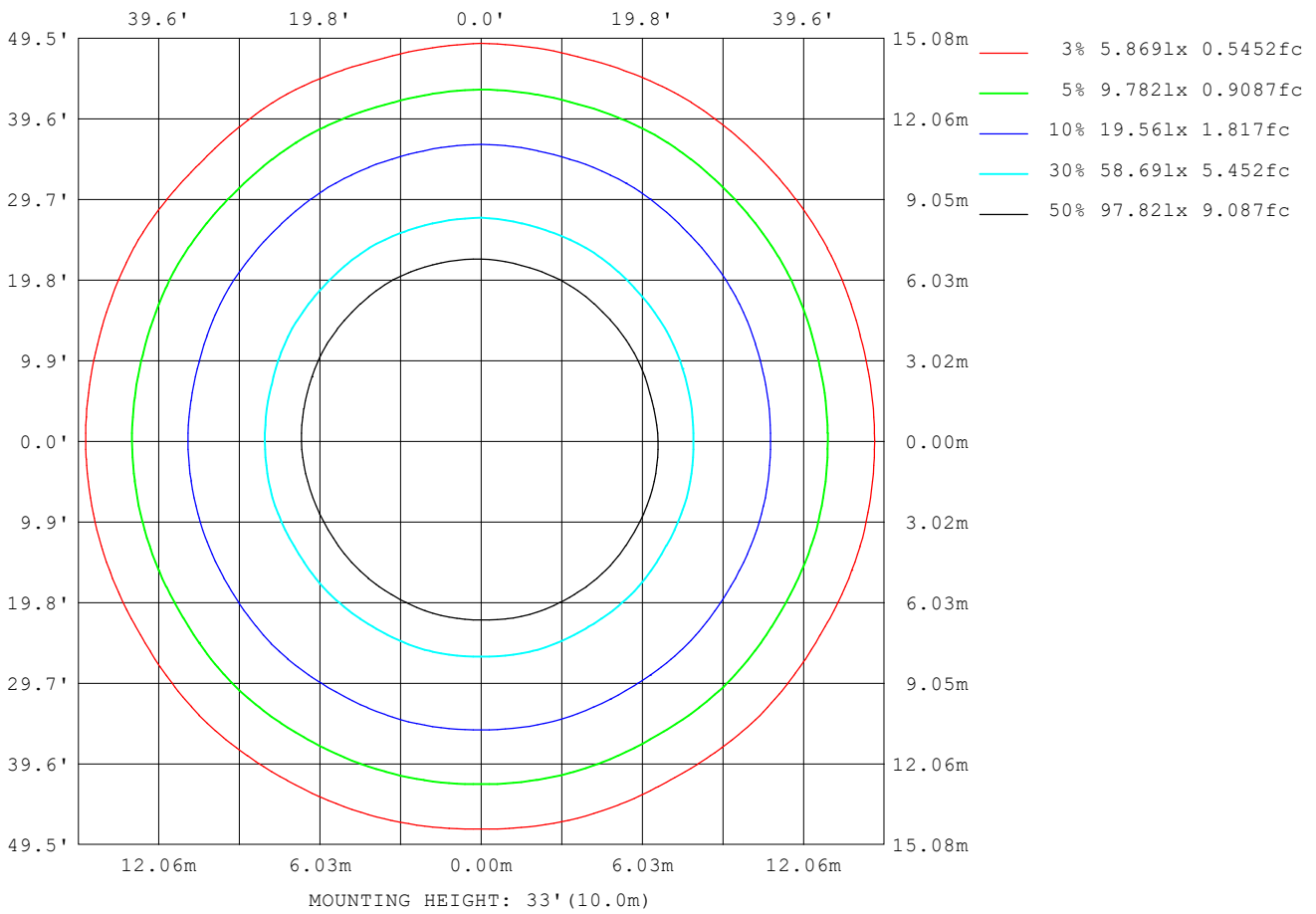
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:01 November 2023

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**

<b>Test:U:119.57V I:1.9897A P:237.81W PF:1.0000 Freq:50.04Hz</b> <b>Lamp Flux:38258x1 lm</b>		
<b>NAME: HBUD3-SW3B240S-CDGLY</b>	<b>TYPE:</b>	
<b>MFR.:</b>		



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:01 November 2023**

**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:1.0000 Freq:50.04Hz		
Lamp Flux:38258x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

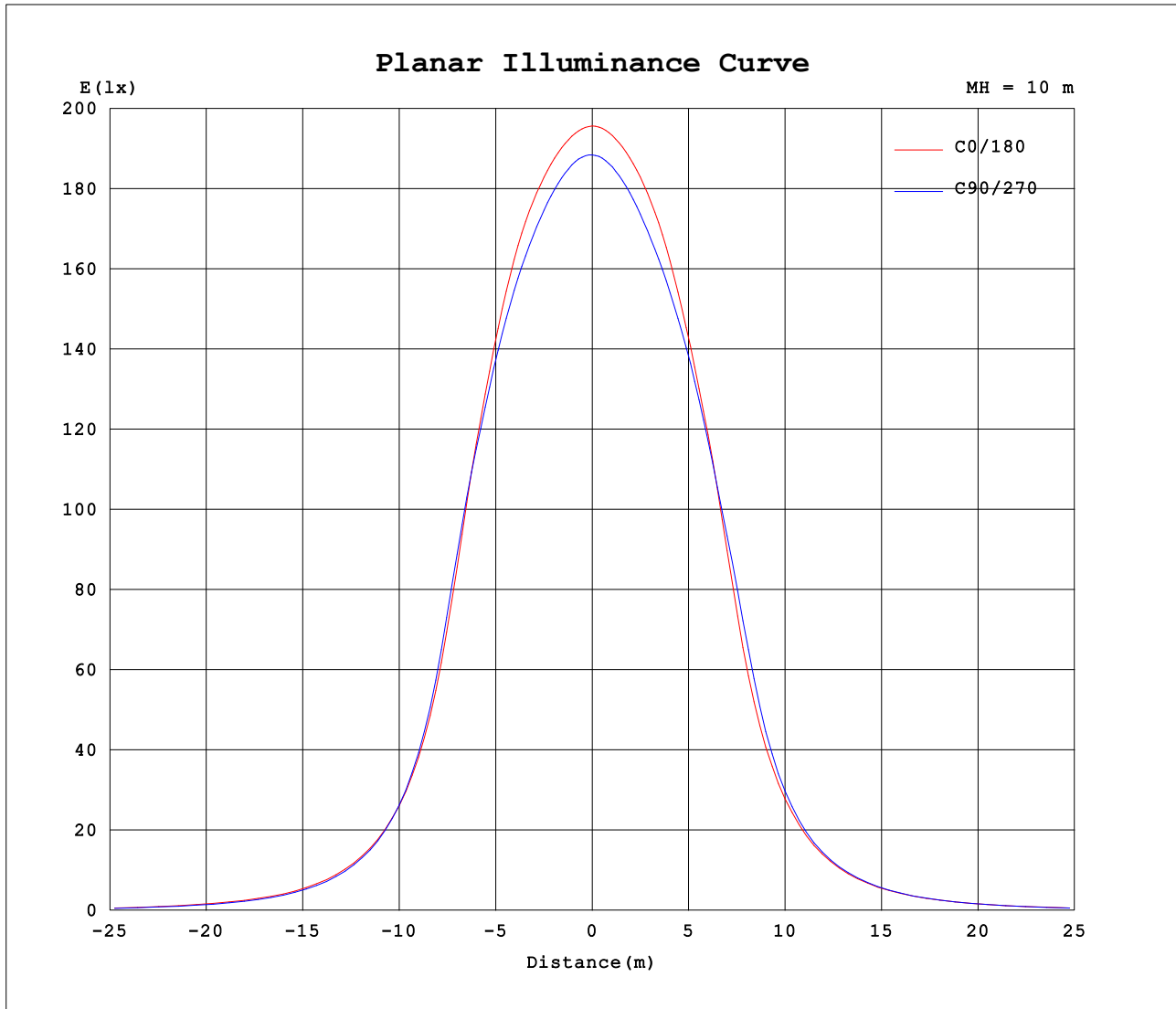
AvgL	cd/m2
L_0~180 (65) av	47261
L_0~180 (75) av	30417
L_0~180 (85) av	17677
L_90~270 (65) av	44667
L_90~270 (75) av	27585
L_90~270 (85) av	15379
L_45 (65) av	46002
L_45 (75) av	28540
L_45 (85) av	16251

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:01 November 2023

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: DAMIN  
 Test Date: 01 November 2023

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:



**Photometric Data Table [cd]**

33.0	17137	17290	17801	17856	18071	18068	18191	18002	17884	17626
36.0	14952	15276	15415	15538	16114	16223	16614	16436	16390	15909
39.0	12092	12446	12464	12604	13195	13360	13908	13786	13856	13343
42.0	9636	9863	9926	9997	10386	10511	10836	10798	10879	10540
45.0	7651	7788	7883	7849	8151	8204	8402	8356	8422	8208
48.0	6048	6153	6220	6194	6378	6365	6475	6424	6507	6404
51.0	4770	4862	4928	4923	5036	4973	5072	4970	5082	5024
54.0	3751	3844	3896	3892	3982	3902	3997	3891	3991	3931
57.0	2948	3045	3099	3082	3147	3071	3157	3058	3143	3096
60.0	2316	2376	2433	2429	2465	2408	2481	2397	2462	2435
63.0	1805	1856	1913	1901	1918	1890	1929	1877	1913	1896
66.0	1389	1426	1484	1463	1478	1454	1487	1446	1466	1457
69.0	1057	1083	1139	1114	1131	1108	1135	1102	1111	1102
72.0	789.6	809.7	864.5	841.3	852.3	832.1	849.5	822.8	832.7	820.9
75.0	574.6	594.2	646.1	622.1	631.4	612.8	622.8	600.4	611.9	597.8
78.0	400.5	416.2	462.0	441.1	448.9	433.1	439.7	420.3	430.9	418.8
81.0	256.4	270.9	310.1	292.2	302.3	286.2	294.7	276.9	287.5	275.8
84.0	134.9	145.3	172.6	164.3	172.6	163.5	170.1	158.0	163.6	156.7
87.0	27.82	38.12	60.06	54.28	63.53	57.11	63.92	56.07	61.58	54.78
90.0	5.101	4.973	15.63	15.55	15.25	15.20	14.98	14.97	14.84	14.93
93.0	6.328	6.146	17.28	17.13	16.83	16.72	16.46	16.45	16.31	16.43
96.0	7.866	7.688	19.18	19.01	18.67	18.53	18.26	18.22	18.08	18.20
99.0	9.826	9.591	21.46	21.29	20.88	20.77	20.41	20.42	20.24	20.41
102.0	12.30	11.96	24.23	24.09	23.58	23.51	23.07	23.13	22.87	23.14
105.0	15.37	14.97	27.58	27.37	26.86	26.76	26.31	26.38	26.14	26.40
108.0	19.09	18.61	31.58	31.44	30.80	30.78	30.27	30.42	30.08	30.47
111.0	23.74	23.13	36.46	36.33	35.68	35.70	35.18	35.40	35.03	35.46
114.0	29.39	28.61	42.33	42.34	41.58	41.76	41.18	41.49	41.06	41.59
117.0	36.15	35.26	49.38	49.45	48.67	48.97	48.32	48.74	48.21	48.81
120.0	43.88	42.85	57.49	57.58	56.78	57.16	56.48	56.95	56.37	56.99
123.0	52.30	51.21	66.42	66.63	65.76	66.26	65.46	66.00	65.32	65.99
126.0	61.35	60.17	76.07	76.25	75.32	75.86	75.04	75.57	74.81	75.49
129.0	70.66	69.52	86.09	86.16	85.28	85.72	84.94	85.36	84.63	85.17
132.0	79.94	78.81	96.07	95.99	95.12	95.48	94.69	94.99	94.25	94.67
135.0	89.17	88.09	105.7	105.5	104.6	104.8	104.0	104.2	103.4	103.8
138.0	97.99	97.00	114.8	114.4	113.6	113.5	112.8	112.7	112.0	112.2
141.0	106.2	105.4	123.2	122.5	121.7	121.5	120.7	120.5	119.8	119.9
144.0	114.0	113.1	130.9	129.9	129.1	128.6	127.9	127.5	126.8	126.8
147.0	121.3	120.5	137.9	136.7	135.8	135.2	134.4	134.0	133.2	133.1
150.0	128.5	127.7	144.3	143.2	142.1	141.4	140.6	139.9	139.2	138.9
153.0	135.6	134.7	150.4	149.3	148.3	147.2	146.4	145.7	144.9	144.5
156.0	142.9	141.9	156.7	155.6	154.8	153.4	152.4	151.7	150.9	150.4
159.0	150.7	149.8	163.5	162.5	161.7	160.4	159.3	158.5	157.7	157.2
162.0	159.4	158.4	171.3	170.1	169.4	168.3	166.9	166.1	165.3	164.6
165.0	168.0	167.2	179.6	178.1	177.4	176.3	174.7	173.8	173.0	172.3
168.0	176.0	175.2	187.6	185.7	184.9	183.7	182.1	181.1	180.2	179.3
171.0	182.6	181.7	194.2	191.7	190.8	189.4	188.2	186.9	186.4	185.3
174.0	187.2	186.5	199.4	196.4	195.3	193.6	192.8	190.9	190.5	189.4
177.0	189.6	189.2	203.1	199.8	198.8	196.5	196.2	193.7	193.3	192.0
180.0	191.2	190.8	204.9	201.2	200.6	198.0	197.6	195.5	194.7	193.2
G/C	300.0	315.0	330.0	345.0						
0.0	18733	18692	18657	18625						
3.0	18733	18694	18664	18633						
6.0	18748	18719	18687	18662						
9.0	18795	18774	18744	18723						
12.0	18875	18862	18841	18823						
15.0	18994	18996	18977	18959						
18.0	19144	19156	19144	19108						
21.0	19283	19293	19273	19228						
24.0	19330	19300	19270	19190						
27.0	19151	19035	18970	18863						
30.0	18582	18359	18264	18155						
33.0	17485	17190	17092	16916						
36.0	15756	15250	15143	14754						
39.0	13120	12569	12339	11933						
42.0	10392	9956	9803	9474						
45.0	8191	7859	7798	7520						
48.0	6456	6240	6197	5993						
51.0	5097	4982	4947	4777						
54.0	4028	3949	3931	3794						
57.0	3181	3133	3129	3013						
60.0	2502	2462	2455	2385						
63.0	1951	1916	1922	1865						
66.0	1506	1475	1483	1440						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:01 November 2023

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:

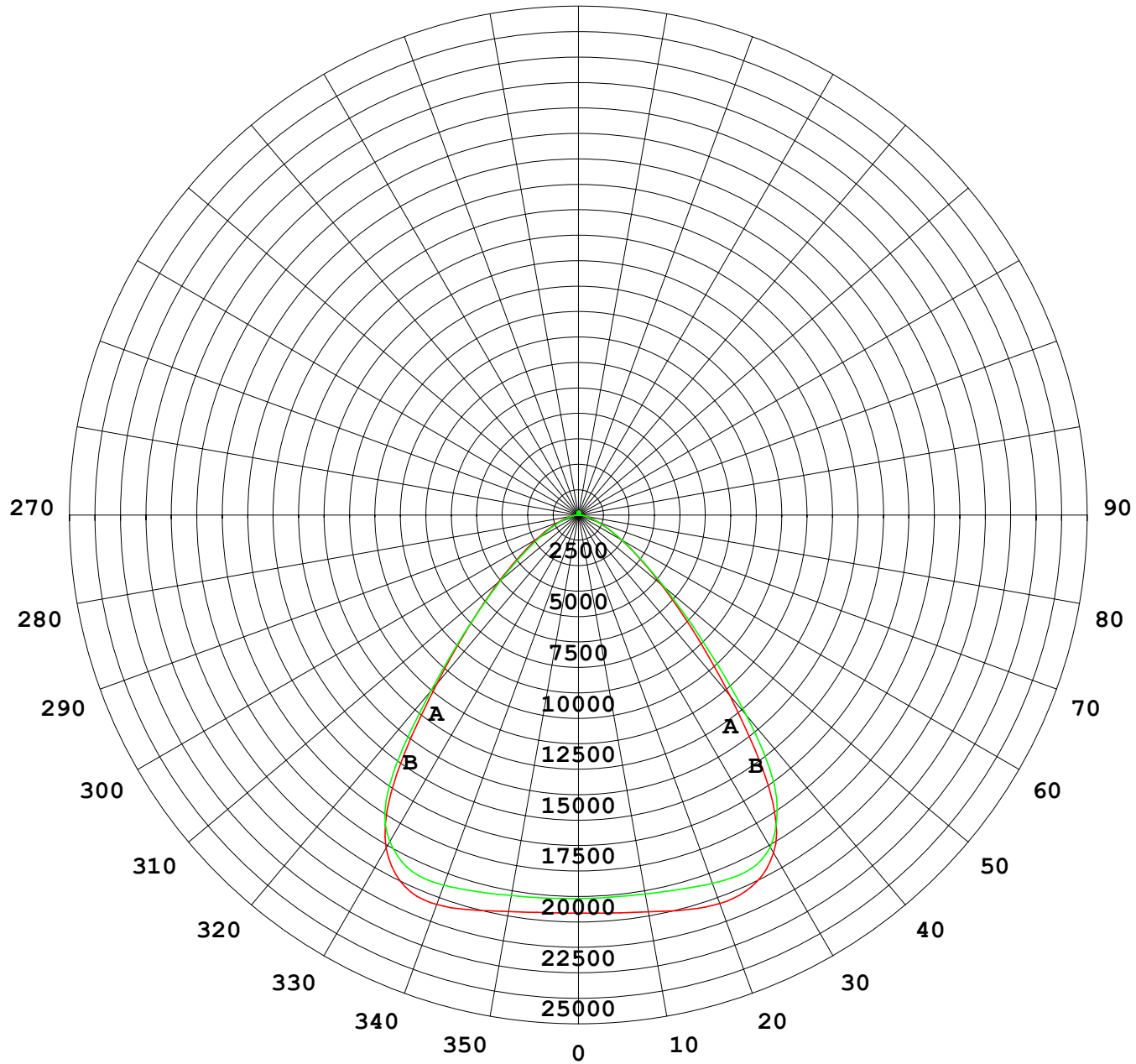
**Photometric Data Table [cd]**

69.0	1145	1119	1130	1096
72.0	854.8	836.8	846.3	824.6
75.0	626.5	611.9	621.4	604.6
78.0	441.7	430.5	440.5	426.2
81.0	295.2	285.4	295.3	280.3
84.0	167.6	161.0	166.7	156.8
87.0	61.72	54.41	59.48	51.09
90.0	14.89	15.00	14.96	15.11
93.0	16.39	16.52	16.51	16.66
96.0	18.17	18.34	18.35	18.52
99.0	20.36	20.61	20.57	20.81
102.0	23.04	23.39	23.30	23.64
105.0	26.34	26.70	26.66	27.01
108.0	30.34	30.85	30.73	31.22
111.0	35.34	35.85	35.74	36.30
114.0	41.35	41.98	41.75	42.45
117.0	48.50	49.18	48.91	49.70
120.0	56.61	57.32	56.99	57.87
123.0	65.51	66.27	65.89	66.86
126.0	74.92	75.71	75.23	76.27
129.0	84.67	85.29	84.88	85.83
132.0	94.14	94.72	94.32	95.24
135.0	103.2	103.8	103.3	104.2
138.0	111.6	112.1	111.7	112.5
141.0	119.3	119.7	119.4	120.0
144.0	126.2	126.6	126.2	126.8
147.0	132.5	132.8	132.4	133.0
150.0	138.3	138.5	138.2	138.8
153.0	143.9	144.1	143.8	144.4
156.0	149.8	150.0	149.7	150.3
159.0	156.5	156.6	156.2	156.8
162.0	163.9	163.9	163.4	163.9
165.0	171.5	171.3	170.8	171.1
168.0	178.6	178.2	177.7	177.8
171.0	184.6	184.1	183.5	183.3
174.0	188.9	188.1	187.5	187.0
177.0	191.9	191.0	190.3	189.6
180.0	193.1	192.2	191.5	190.6

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
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γ Range: 0 - 180DEG  
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 Humidity:65.0%  
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 Remarks:

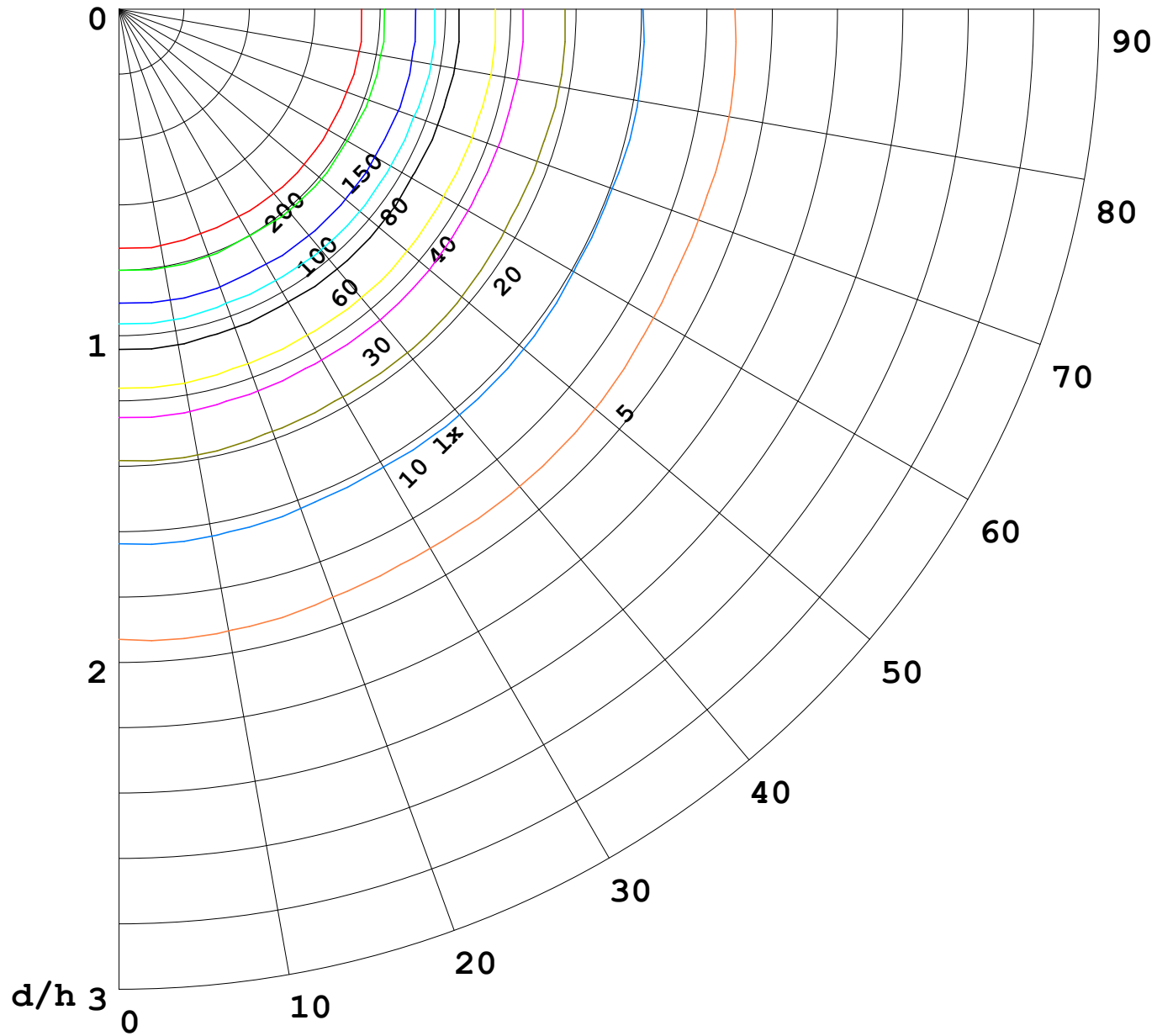
I (cd)





1000 lm

$K = 1$



F = 5000 lm  
 K = 0.7  
 Hcc = 0.0 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
— (thin)	70	50	30
— (thick)	50	30	20

