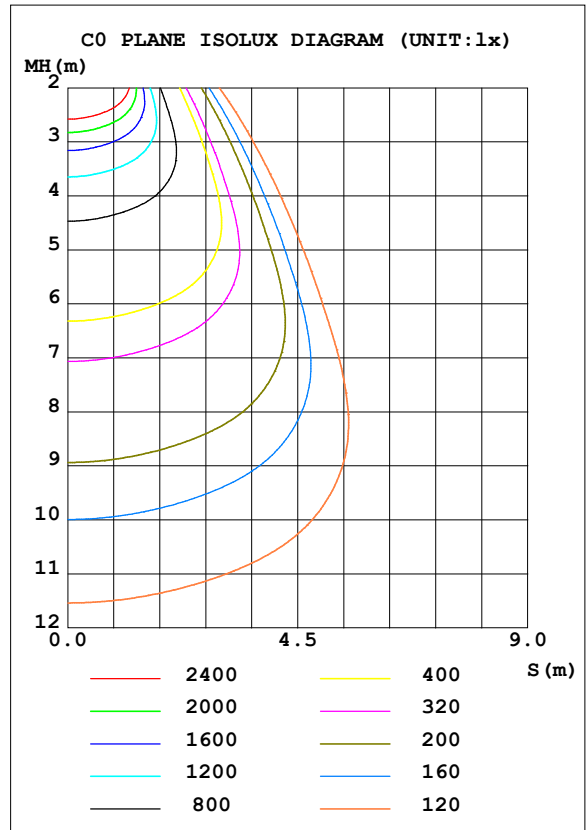
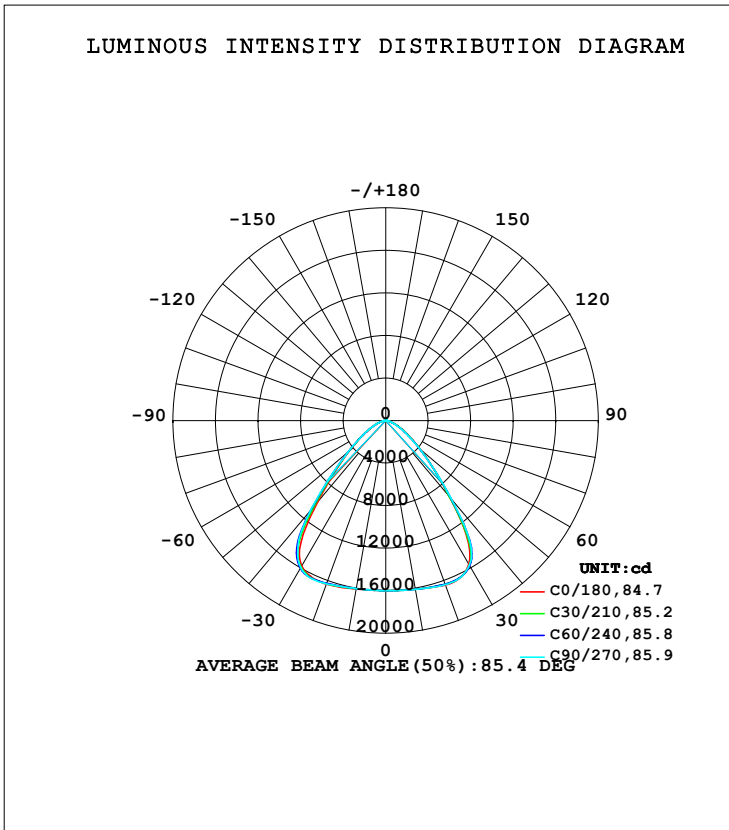


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz		
Lamp Flux:32402.3x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.71 lm/W			
MODEL	HB15-200W-4000K-90°	I <sub>max</sub> (cd)	16576	S/MH (C0/180)	1.23
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	32402	η UP, DN (C0-180)	0.5, 48.7
NOMINAL FLUX (lm)	32402.3	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:

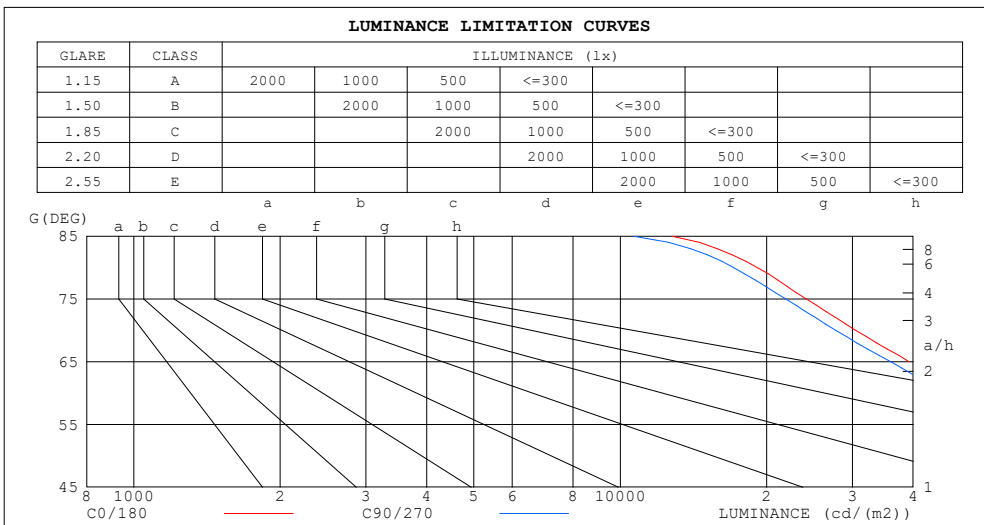
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1609	1610	1611	1613	1607	1605	1604	1610	0- 10	1531	1531	4.72,4.72
20	1645	1634	1641	1644	1636	1630	1633	1651	10- 20	4607	6138	18.9,18.9
30	1560	1583	1573	1578	1580	1599	1598	1571	20- 30	7534	13672	42.2,42.2
40	929.7	956.5	956.6	965.9	995.6	1059	1095	992.9	30- 40	8394	22066	68.1,68.1
50	431.4	430.9	420.9	444.9	453.6	459.3	470.0	458.0	40- 50	5233	27299	84.2,84.2
60	201.5	195.4	188.1	201.3	204.7	203.7	210.0	208.9	50- 60	2746	30045	92.7,92.7
70	83.85	79.80	76.25	82.75	85.75	84.85	86.19	86.99	60- 70	1339	31384	96.9,96.9
80	26.73	25.33	23.88	26.50	28.45	27.59	28.14	28.43	70- 80	545.3	31930	98.5,98.5
90	0.4379	0.4360	0.4386	0.4356	1.284	1.277	1.264	1.291	80- 90	116.1	32046	98.9,98.9
100	0.9015	0.9028	0.9121	0.9045	1.842	1.820	1.795	1.841	90-100	11.80	32057	98.9,98.9
110	1.900	1.919	1.954	1.884	2.889	2.874	2.833	2.918	100-110	19.23	32077	99,99
120	3.793	3.891	3.938	3.761	4.822	4.847	4.796	4.897	110-120	32.52	32109	99.1,99.1
130	6.361	6.495	6.554	6.327	7.462	7.523	7.463	7.554	120-130	50.29	32160	99.3,99.3
140	8.894	9.004	9.065	8.882	9.958	10.01	9.960	10.02	130-140	63.72	32223	99.4,99.4
150	10.96	11.07	11.16	11.02	11.85	11.88	11.82	11.84	140-150	65.68	32289	99.6,99.6
160	13.16	13.32	13.37	13.18	13.63	13.68	13.59	13.61	150-160	57.13	32346	99.8,99.8
170	15.56	15.63	15.63	15.52	15.71	15.72	15.64	15.60	160-170	40.99	32387	100,100
180	16.60	16.53	16.50	16.45	16.58	16.53	16.49	16.45	170-180	15.31	32402	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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz		
Lamp Flux:32402.3x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12783	10665
80	19146	17106
75	24147	21911
70	30498	27734
65	39230	36020
60	50142	46794
55	64356	61314
50	83499	81465
45	110783	110916

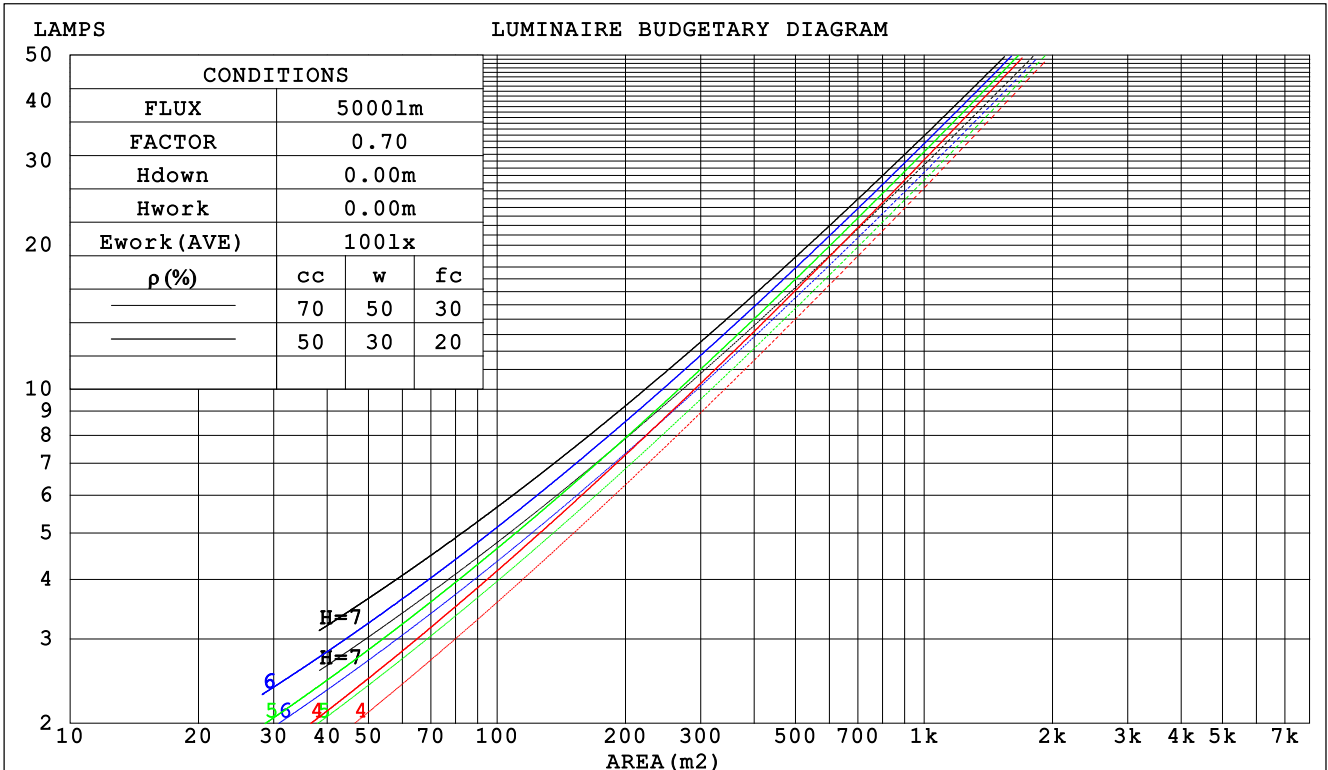
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:01 November 2023

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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz		
Lamp Flux:32402.3x1 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%
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	1.02	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	.85	.83	.80	.78
3.0	.88	.81	.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	.59	.70	.63	.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	.52	.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	.50	.44	.40	.49	.44	.39	.48	.43	.39	.38
10.0	.48	.41	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34



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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz		
Lamp Flux:32402.3x1 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	.132	.042	.224	.128	.041	.211	.121	.039	.198	.114	.037	.187	.108	.035	
2.0	.224	.123	.038	.218	.120	.037	.206	.115	.036	.195	.110	.034	.185	.105	.033	
3.0	.213	.113	.034	.208	.111	.033	.197	.107	.033	.188	.103	.032	.179	.099	.031	
4.0	.202	.105	.031	.197	.103	.030	.188	.100	.030	.180	.096	.029	.172	.093	.028	
5.0	.191	.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	.163	.085	.025	.156	.082	.024	
7.0	.170	.084	.024	.167	.083	.024	.161	.081	.023	.155	.079	.023	.149	.077	.023	
8.0	.162	.079	.022	.159	.078	.022	.153	.076	.022	.147	.075	.022	.142	.073	.021	
9.0	.153	.074	.021	.151	.073	.021	.145	.072	.020	.141	.070	.020	.136	.069	.020	
10.0	.146	.070	.019	.143	.069	.019	.139	.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	.087	.059	.038	.050	.035	.022	.016	.011	.007	
6.0	.140	.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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz										
Lamp Flux:32402.3x1 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	23.7	25.0	24.1	25.4	25.7	23.5	24.8	23.9	25.2	25.5
3H	24.5	25.7	24.9	26.0	26.4	24.3	25.4	24.7	25.8	26.2
4H	24.7	25.8	25.2	26.2	26.6	24.5	25.5	24.9	25.9	26.3
6H	24.9	25.8	25.3	26.2	26.7	24.6	25.5	25.0	25.9	26.4
8H	24.9	25.8	25.3	26.2	26.7	24.6	25.5	25.0	25.9	26.3
12H	24.9	25.8	25.3	26.2	26.6	24.6	25.4	25.0	25.9	26.3
4H 2H	24.0	25.0	24.4	25.4	25.8	23.8	24.9	24.2	25.3	25.7
3H	24.9	25.8	25.3	26.2	26.6	24.7	25.6	25.1	26.0	26.4
4H	25.2	26.0	25.6	26.4	26.9	25.0	25.7	25.4	26.2	26.7
6H	25.4	26.1	25.9	26.5	27.0	25.1	25.8	25.6	26.3	26.8
8H	25.4	26.0	25.9	26.5	27.0	25.2	25.8	25.7	26.3	26.8
12H	25.4	26.0	25.9	26.5	27.0	25.2	25.7	25.7	26.2	26.7
8H 4H	25.2	25.8	25.7	26.3	26.8	25.0	25.7	25.5	26.1	26.6
6H	25.5	26.0	26.0	26.5	27.0	25.3	25.8	25.8	26.3	26.8
8H	25.5	26.0	26.1	26.5	27.0	25.3	25.8	25.9	26.3	26.8
12H	25.6	26.0	26.1	26.5	27.1	25.3	25.7	25.9	26.3	26.9
12H 4H	25.2	25.7	25.7	26.2	26.7	25.0	25.6	25.5	26.1	26.6
6H	25.4	25.9	26.0	26.4	27.0	25.2	25.7	25.8	26.2	26.8
8H	25.5	25.9	26.1	26.5	27.1	25.3	25.7	25.9	26.2	26.8
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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz		
Lamp Flux:32402.3x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

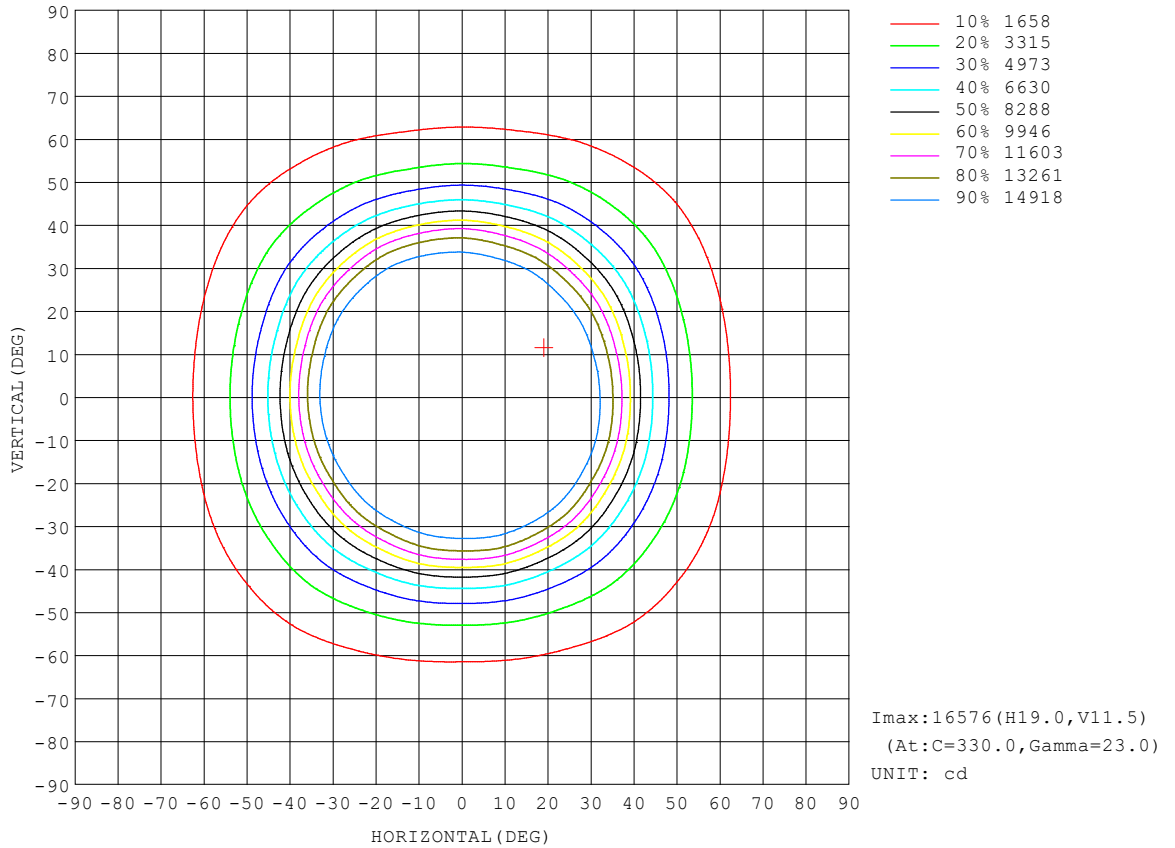
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	71	62	57	71	62	57	70	62	57	51
0.80	81	72	67	80	72	66	78	71	66	61
1.00	88	80	74	87	79	74	85	80	73	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	104	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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz		
Lamp Flux:32402.3x1 lm		
NAME: HB15-200W-4000K-90°	TYPE:	
MFR.: EVERFINE		



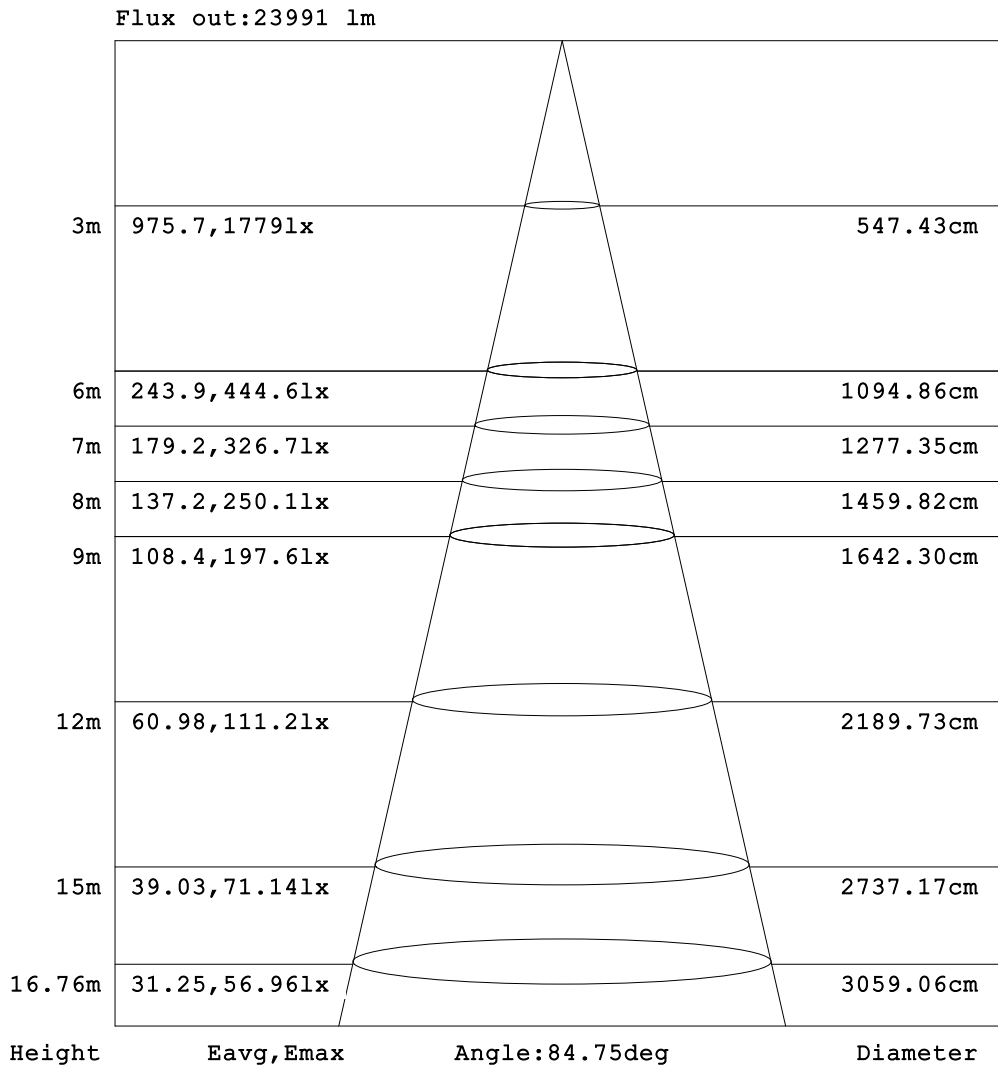
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:01 November 2023

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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz		
Lamp Flux:32402.3x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		



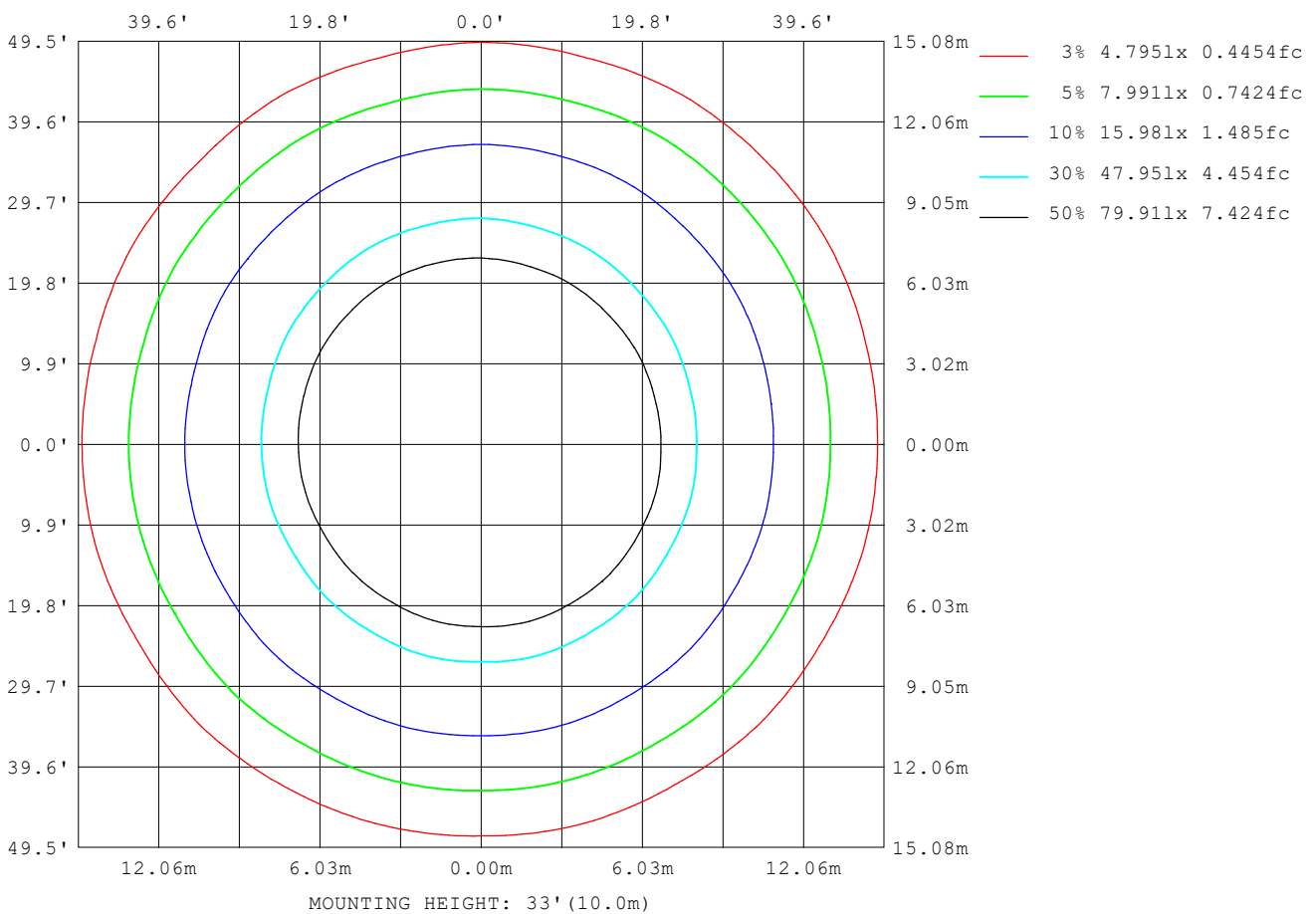
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz</b> <b>Lamp Flux:32402.3x1 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:121.18V I:1.6146A P:195.53W PF:0.9994 Freq:50.04Hz Lamp Flux:32402.3x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

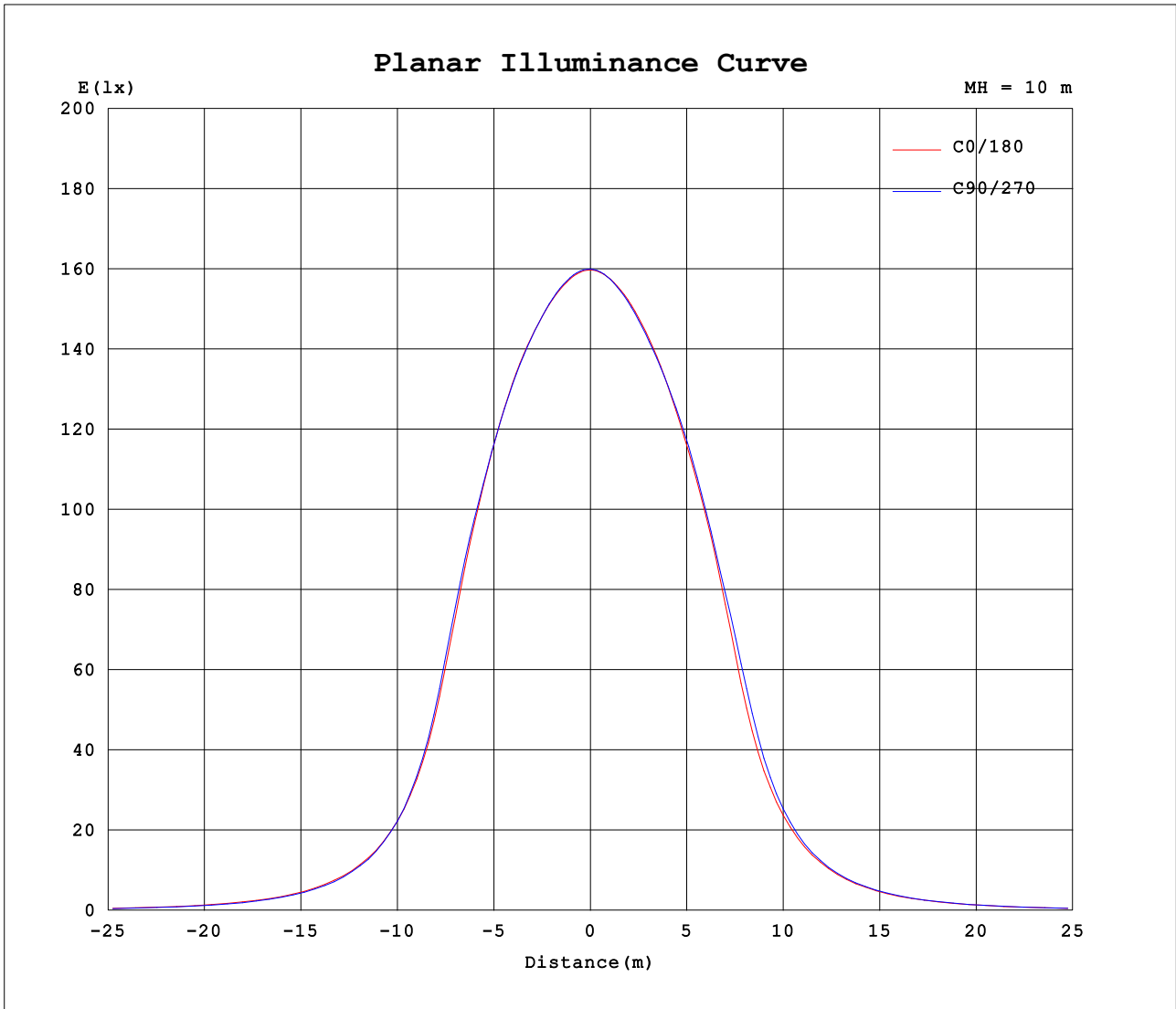
AvgL	cd/m2
L_0~180 (65) av	39508
L_0~180 (75) av	24598
L_0~180 (85) av	13938
L_90~270 (65) av	38151
L_90~270 (75) av	23449
L_90~270 (85) av	13032
L_45 (65) av	39024
L_45 (75) av	24151
L_45 (85) av	13679

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

$\gamma$  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:

**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	15975	15982	15988	15992	15991	15992	15995	15999	16001	16007
3.0	15985	15994	16003	16008	16009	16008	16012	16013	16018	16019
6.0	16014	16020	16030	16033	16038	16035	16041	16044	16049	16049
9.0	16066	16069	16079	16078	16085	16083	16093	16099	16109	16106
12.0	16150	16144	16147	16139	16150	16149	16165	16170	16188	16188
15.0	16256	16236	16226	16215	16227	16232	16254	16264	16286	16289
18.0	16380	16340	16317	16295	16308	16319	16356	16364	16386	16388
21.0	16470	16430	16389	16365	16376	16396	16431	16445	16457	16454
24.0	16441	16420	16392	16380	16380	16397	16416	16431	16416	16407
27.0	16181	16211	16215	16240	16216	16218	16199	16230	16212	16216
30.0	15600	15732	15741	15830	15795	15808	15730	15796	15742	15783
33.0	14517	14710	14735	14902	14907	14971	14846	14866	14747	14761
36.0	12558	12796	12736	13080	13044	13265	13030	13122	12848	12916
39.0	10062	10207	10095	10393	10342	10609	10401	10555	10323	10434
42.0	7967	8044	7965	8110	8067	8243	8150	8260	8147	8253
45.0	6297	6364	6291	6380	6312	6429	6304	6460	6406	6557
48.0	5016	5053	4984	5032	4952	5014	4932	5044	5044	5193
51.0	4008	4020	3957	3982	3895	3924	3894	3954	3988	4108
54.0	3200	3211	3127	3158	3059	3108	3061	3135	3153	3257
57.0	2538	2540	2465	2483	2405	2428	2397	2450	2487	2559
60.0	2015	2011	1945	1954	1890	1905	1881	1924	1953	2013
63.0	1583	1580	1512	1523	1465	1479	1454	1502	1519	1566
66.0	1222	1214	1167	1167	1127	1131	1113	1153	1172	1199
69.0	923.3	918.9	876.9	879.0	846.5	852.1	840.2	871.8	879.1	910.4
72.0	689.1	687.4	654.1	654.8	628.6	634.4	626.7	650.0	655.8	680.1
75.0	502.4	499.7	473.8	474.5	453.3	460.2	455.9	473.0	478.3	498.1
78.0	352.4	351.2	332.5	331.4	315.0	321.1	317.0	329.9	332.2	347.8
81.0	228.0	229.0	215.6	214.3	202.1	207.9	203.4	212.3	212.5	223.6
84.0	122.3	123.6	115.0	114.5	105.8	110.4	105.7	112.9	110.8	118.3
87.0	31.20	34.65	25.31	27.57	19.25	22.54	16.56	22.68	18.83	26.49
90.0	4.379	4.338	4.445	4.360	4.413	4.320	4.386	4.329	4.422	4.356
93.0	5.410	5.342	5.494	5.373	5.459	5.338	5.437	5.356	5.485	5.391
96.0	6.719	6.635	6.820	6.666	6.780	6.640	6.766	6.671	6.820	6.698
99.0	8.376	8.330	8.492	8.379	8.456	8.343	8.452	8.379	8.500	8.406
102.0	10.48	10.40	10.65	10.49	10.63	10.47	10.63	10.49	10.66	10.50
105.0	13.12	12.99	13.35	13.14	13.37	13.12	13.36	13.11	13.34	13.07
108.0	16.37	16.30	16.70	16.53	16.81	16.55	16.76	16.48	16.63	16.33
111.0	20.45	20.33	20.93	20.71	21.14	20.81	21.08	20.60	20.80	20.28
114.0	25.37	25.31	26.05	25.90	26.40	26.02	26.30	25.69	25.80	25.14
117.0	31.27	31.21	32.17	32.05	32.65	32.20	32.50	31.75	31.86	30.96
120.0	37.93	37.97	38.98	38.91	39.58	39.11	39.38	38.59	38.57	37.61
123.0	45.21	45.27	46.44	46.36	47.09	46.58	46.90	45.96	45.93	44.85
126.0	52.99	53.05	54.28	54.21	55.00	54.45	54.80	53.79	53.75	52.57
129.0	60.94	61.08	62.29	62.29	63.04	62.53	62.85	61.86	61.77	60.62
132.0	68.86	69.04	70.23	70.26	71.01	70.50	70.82	69.87	69.77	68.59
135.0	76.71	76.87	78.00	78.05	78.76	78.32	78.60	77.71	77.58	76.49
138.0	84.19	84.30	85.34	85.42	86.13	85.70	85.97	85.14	85.07	84.05
141.0	91.13	91.22	92.15	92.23	92.98	92.57	92.83	92.05	92.02	91.10
144.0	97.59	97.66	98.49	98.71	99.37	99.00	99.33	98.53	98.54	97.70
147.0	103.6	103.7	104.5	104.8	105.4	105.1	105.5	104.7	104.8	104.0
150.0	109.6	109.6	110.6	110.7	111.4	111.1	111.6	110.8	111.0	110.2
153.0	115.6	115.6	116.7	116.8	117.5	117.3	117.7	117.0	117.1	116.3
156.0	122.0	122.1	123.2	123.3	124.1	123.8	124.2	123.4	123.5	122.6
159.0	129.1	129.4	130.4	130.5	131.3	131.0	131.2	130.3	130.3	129.4
162.0	136.9	137.1	138.2	138.3	139.0	138.6	138.7	137.8	137.8	136.8
165.0	144.6	144.8	145.7	145.7	146.3	145.9	145.9	145.1	145.1	144.2
168.0	151.5	151.7	152.4	152.5	152.8	152.5	152.4	151.8	151.8	151.2
171.0	157.5	157.6	158.0	158.0	158.2	157.9	158.0	157.5	157.6	157.1
174.0	161.7	161.7	161.9	161.8	161.8	161.7	161.7	161.4	161.6	161.1
177.0	164.4	164.4	164.1	164.0	164.0	164.0	164.0	163.9	163.7	163.2
180.0	166.0	166.0	165.4	165.3	165.3	165.4	165.0	164.8	164.9	164.5
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	16006	16004	15975	15982	15988	15992	15991	15992	15995	15999
3.0	16017	16009	15979	15985	15986	15988	15986	15985	15987	15994
6.0	16046	16037	16001	16004	16000	15999	15995	15992	15994	16005
9.0	16107	16093	16052	16049	16038	16033	16020	16019	16022	16041
12.0	16193	16177	16129	16120	16099	16083	16069	16070	16074	16103
15.0	16296	16277	16222	16208	16173	16156	16137	16144	16154	16197
18.0	16395	16376	16317	16304	16260	16240	16219	16230	16252	16313
21.0	16445	16431	16374	16371	16347	16327	16307	16323	16363	16428
24.0	16393	16383	16343	16363	16380	16381	16374	16382	16426	16471
27.0	16196	16202	16174	16204	16281	16326	16345	16330	16355	16350
30.0	15726	15802	15798	15839	15935	15989	16052	16001	15977	15895

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	14672	14824	14947	15027	15207	15238	15363	15258	15188	14999
36.0	12750	13034	13217	13329	13746	13823	14089	13965	13922	13547
39.0	10296	10604	10748	10849	11313	11431	11859	11761	11796	11364
42.0	8226	8414	8491	8538	8871	8959	9244	9210	9262	8977
45.0	6533	6641	6722	6709	6962	7009	7166	7108	7176	6987
48.0	5163	5250	5305	5267	5444	5431	5519	5469	5539	5456
51.0	4068	4145	4191	4166	4286	4241	4319	4247	4330	4279
54.0	3201	3283	3304	3291	3379	3322	3395	3317	3404	3352
57.0	2514	2582	2596	2608	2661	2614	2678	2607	2674	2638
60.0	1977	2031	2047	2049	2088	2037	2106	2046	2100	2075
63.0	1542	1587	1603	1597	1619	1599	1636	1593	1631	1616
66.0	1203	1220	1234	1234	1243	1231	1258	1232	1249	1247
69.0	905.3	927.0	940.4	931.1	946.3	932.8	959.5	933.1	946.7	940.3
72.0	676.6	695.4	706.7	696.7	709.5	697.7	717.0	697.3	708.2	700.5
75.0	493.8	511.0	521.2	510.2	521.4	512.6	524.2	508.4	519.8	510.2
78.0	344.9	358.8	368.7	358.4	369.3	360.3	369.5	355.3	366.6	357.4
81.0	221.2	232.3	244.8	235.4	246.7	237.7	246.6	233.6	240.7	235.4
84.0	116.9	125.6	136.5	133.9	140.8	137.3	141.9	134.8	138.4	135.0
87.0	24.21	33.08	46.79	43.55	51.59	47.21	52.85	46.91	51.86	46.34
90.0	4.413	4.325	12.84	12.90	12.72	12.77	12.64	12.70	12.64	12.76
93.0	5.477	5.333	14.17	14.24	14.02	14.07	13.88	13.98	13.86	14.05
96.0	6.802	6.613	15.79	15.82	15.61	15.63	15.45	15.51	15.41	15.58
99.0	8.469	8.290	17.71	17.73	17.48	17.49	17.35	17.35	17.24	17.44
102.0	10.59	10.33	20.02	20.08	19.74	19.80	19.53	19.66	19.49	19.76
105.0	13.20	12.85	22.79	22.88	22.49	22.61	22.25	22.46	22.21	22.57
108.0	16.38	15.99	26.23	26.29	25.90	25.99	25.67	25.86	25.64	26.00
111.0	20.35	19.83	30.36	30.52	30.03	30.25	29.83	30.14	29.81	30.30
114.0	25.17	24.54	35.41	35.62	35.10	35.39	34.96	35.32	34.95	35.47
117.0	30.96	30.17	41.39	41.72	41.15	41.54	41.05	41.49	41.04	41.65
120.0	37.54	36.70	48.22	48.58	48.01	48.47	47.94	48.45	47.96	48.62
123.0	44.79	43.84	55.74	56.16	55.55	56.15	55.56	56.13	55.55	56.29
126.0	52.54	51.52	63.73	64.18	63.57	64.22	63.65	64.26	63.63	64.37
129.0	60.54	59.52	71.96	72.39	71.87	72.47	71.98	72.52	71.93	72.59
132.0	68.51	67.54	80.08	80.51	80.03	80.63	80.14	80.68	80.10	80.67
135.0	76.40	75.48	87.85	88.27	87.84	88.44	87.98	88.45	87.92	88.41
138.0	84.01	83.18	95.10	95.52	95.15	95.68	95.25	95.66	95.14	95.58
141.0	91.11	90.34	101.8	101.8	101.8	102.2	101.9	102.2	101.8	102.1
144.0	97.74	97.11	107.7	108.0	107.8	108.2	107.9	108.2	107.6	108.0
147.0	104.0	103.4	113.3	113.5	113.3	113.6	113.4	113.6	113.1	113.4
150.0	110.3	109.6	118.5	118.8	118.4	118.8	118.5	118.6	118.2	118.4
153.0	116.4	115.7	123.4	123.8	123.4	123.6	123.3	123.5	123.0	123.1
156.0	122.7	121.8	128.5	128.9	128.7	128.8	128.4	128.6	128.1	128.2
159.0	129.4	128.6	134.2	134.6	134.5	134.6	134.2	134.4	133.8	134.0
162.0	136.8	136.0	140.6	141.0	140.9	141.2	140.6	140.8	140.2	140.4
165.0	144.2	143.5	147.2	147.6	147.4	147.9	147.1	147.3	146.8	146.8
168.0	151.1	150.5	153.4	153.8	153.3	153.9	153.3	153.3	152.8	152.9
171.0	156.8	156.2	158.7	159.0	157.9	158.5	158.5	158.3	158.0	158.0
174.0	160.8	160.3	162.4	162.6	161.4	161.8	161.9	161.6	161.4	161.5
177.0	163.0	162.7	164.8	165.0	164.0	164.1	164.3	164.1	163.7	163.8
180.0	164.3	164.1	165.8	166.1	165.3	165.3	165.3	165.4	164.9	164.8
G/C	300.0	315.0	330.0	345.0						
0.0	16001	16007	16006	16004						
3.0	16001	16008	16011	16011						
6.0	16016	16028	16034	16041						
9.0	16055	16076	16085	16097						
12.0	16128	16156	16173	16186						
15.0	16229	16281	16296	16312						
18.0	16364	16423	16445	16448						
21.0	16488	16541	16562	16551						
24.0	16522	16545	16551	16515						
27.0	16361	16299	16276	16212						
30.0	15842	15708	15651	15590						
33.0	14927	14673	14627	14460						
36.0	13418	13006	12936	12584						
39.0	11179	10690	10536	10124						
42.0	8863	8480	8379	8085						
45.0	6989	6718	6665	6419						
48.0	5500	5334	5295	5118						
51.0	4346	4251	4231	4078						
54.0	3434	3369	3360	3240						
57.0	2711	2679	2655	2579						
60.0	2134	2089	2097	2037						
63.0	1665	1636	1643	1593						
66.0	1285	1265	1268	1236						

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	977.3	957.0	967.1	938.1
72.0	729.8	716.1	725.6	706.9
75.0	535.4	524.7	533.9	520.0
78.0	377.9	369.9	378.9	368.5
81.0	253.0	245.3	254.0	241.9
84.0	142.9	137.8	143.2	136.6
87.0	53.01	46.74	50.92	44.09
90.0	12.74	12.91	12.86	13.02
93.0	14.00	14.22	14.15	14.37
96.0	15.57	15.79	15.77	15.95
99.0	17.43	17.69	17.67	17.89
102.0	19.71	20.04	20.00	20.29
105.0	22.49	22.90	22.83	23.22
108.0	25.95	26.38	26.33	26.77
111.0	30.16	30.70	30.57	31.14
114.0	35.29	35.88	35.72	36.34
117.0	41.39	42.04	41.82	42.55
120.0	48.29	48.97	48.72	49.53
123.0	55.89	56.59	56.30	57.22
126.0	63.92	64.68	64.32	65.29
129.0	72.20	72.85	72.57	73.50
132.0	80.32	80.91	80.68	81.60
135.0	88.09	88.61	88.42	89.28
138.0	95.30	95.81	95.63	96.45
141.0	101.9	102.3	102.2	102.9
144.0	107.7	108.2	108.1	108.8
147.0	113.1	113.4	113.5	114.1
150.0	118.1	118.4	118.4	119.1
153.0	122.9	123.2	123.3	123.9
156.0	127.9	128.4	128.3	129.0
159.0	133.6	134.0	133.9	134.6
162.0	139.9	140.3	140.1	140.7
165.0	146.3	146.6	146.4	147.0
168.0	152.3	152.5	152.3	152.8
171.0	157.5	157.6	157.4	157.7
174.0	161.2	161.1	160.9	160.9
177.0	163.7	163.5	163.3	163.2
180.0	164.8	164.5	164.3	164.1

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

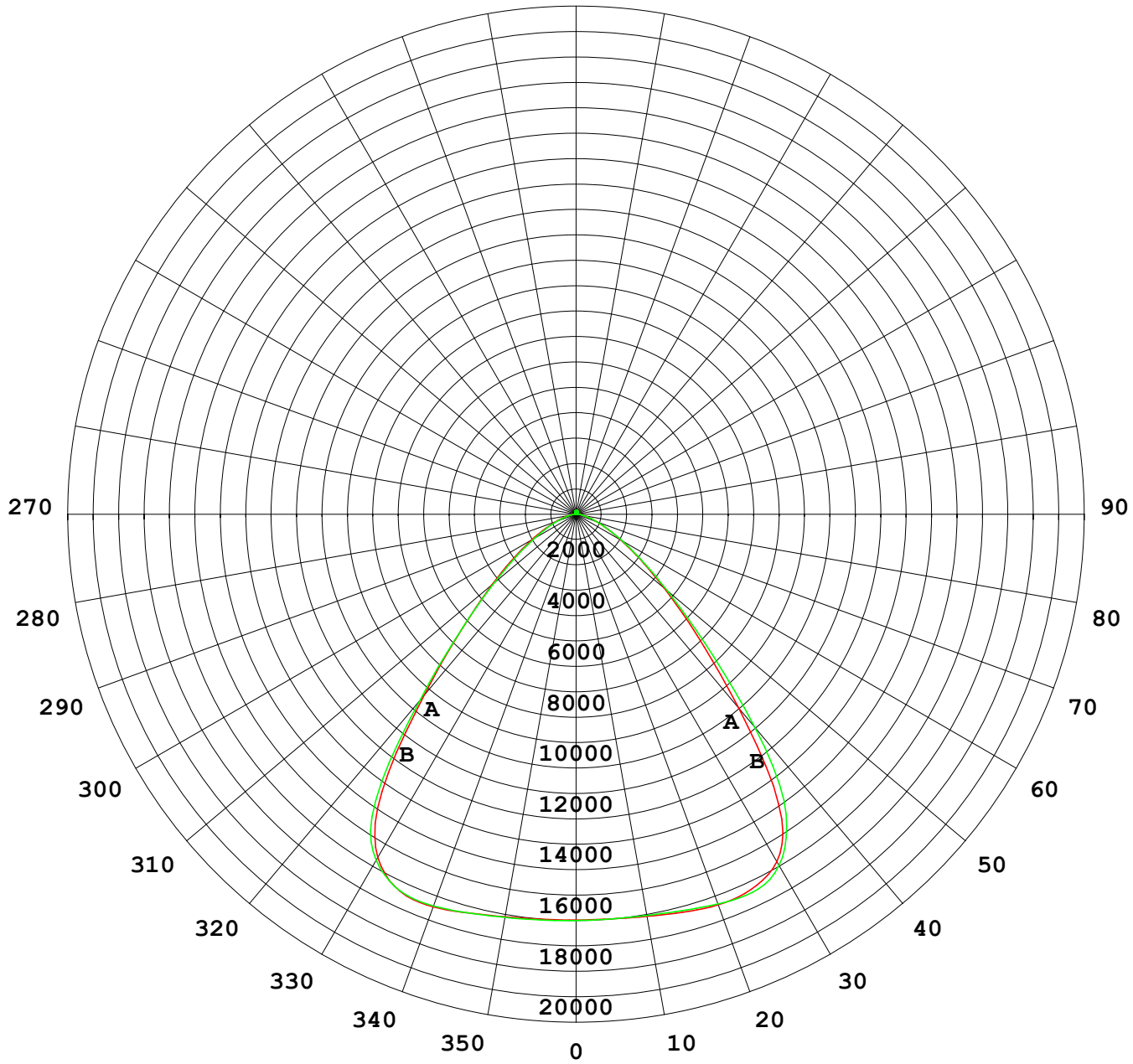
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

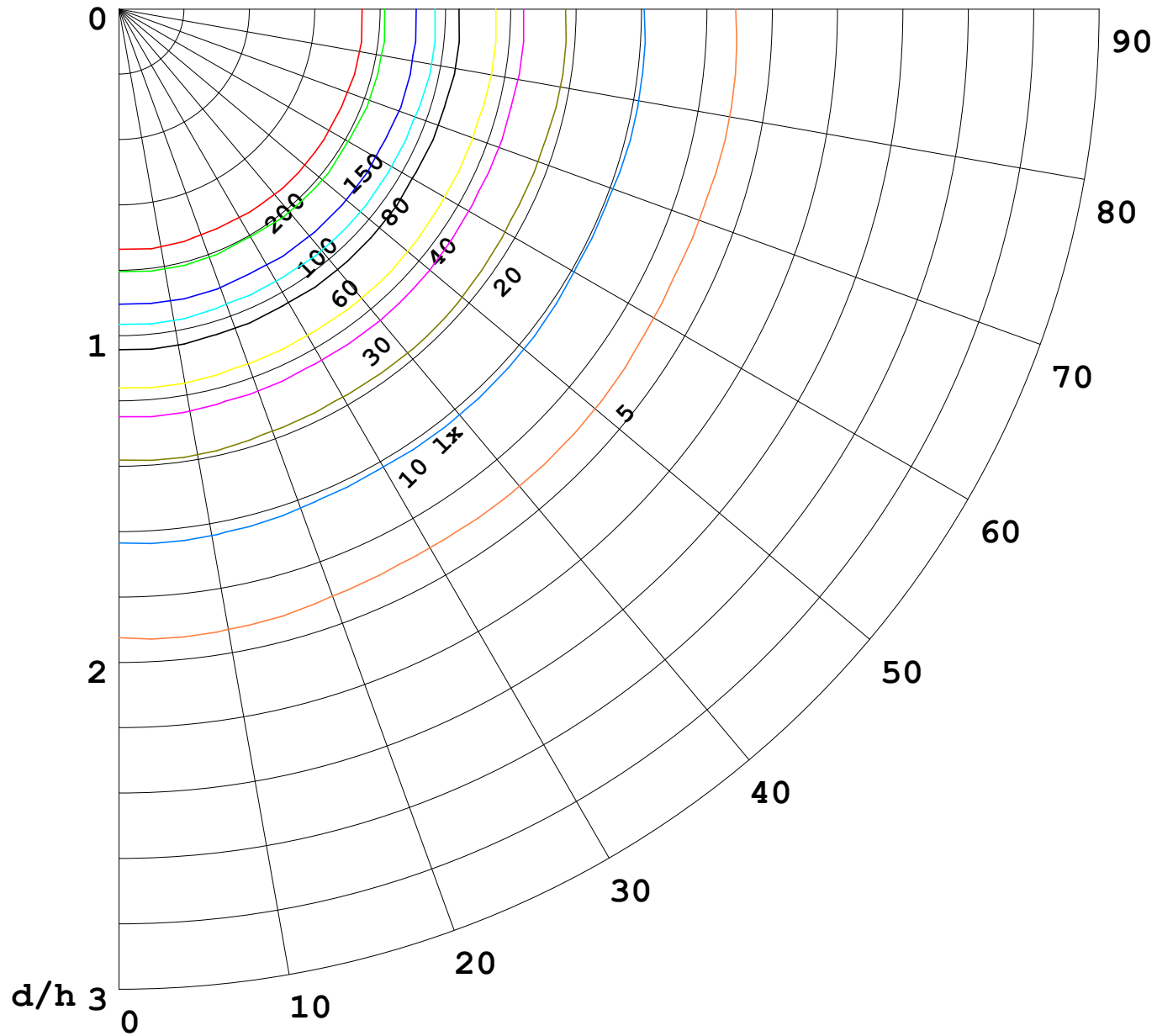
I (cd)





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

