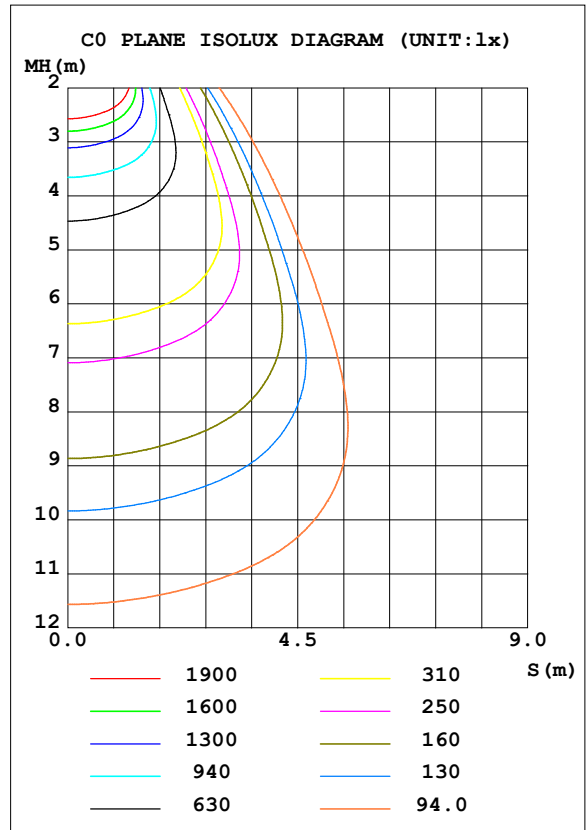
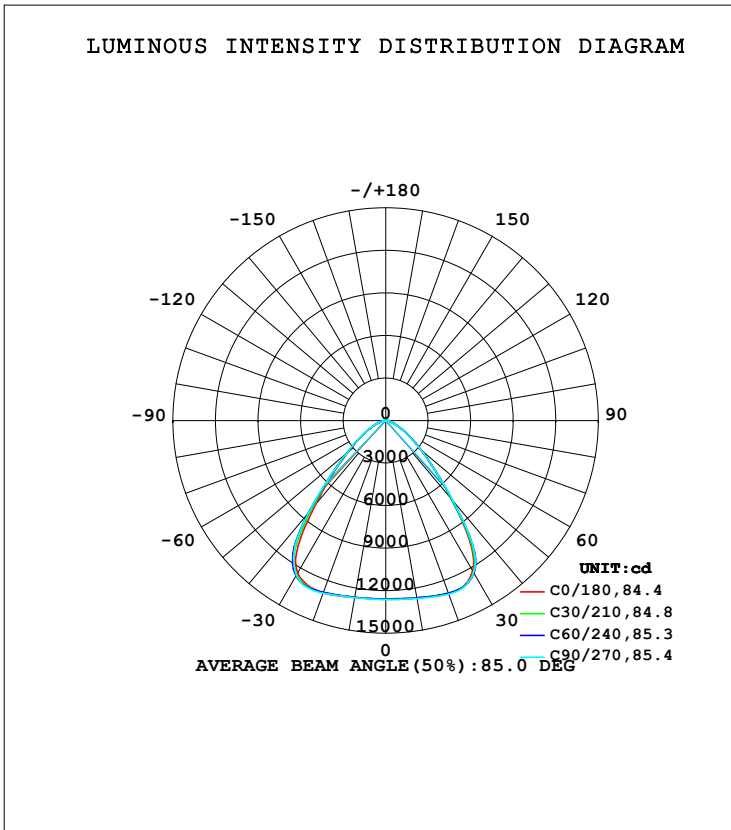


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 173.69 lm/W			
MODEL	HB15-150W-4000K-90°	I _{max} (cd)	13141	S/MH (C0/180)	1.22
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	25387	η UP, DN (C0-180)	0.5, 48.7
NOMINAL FLUX (lm)	25387	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:

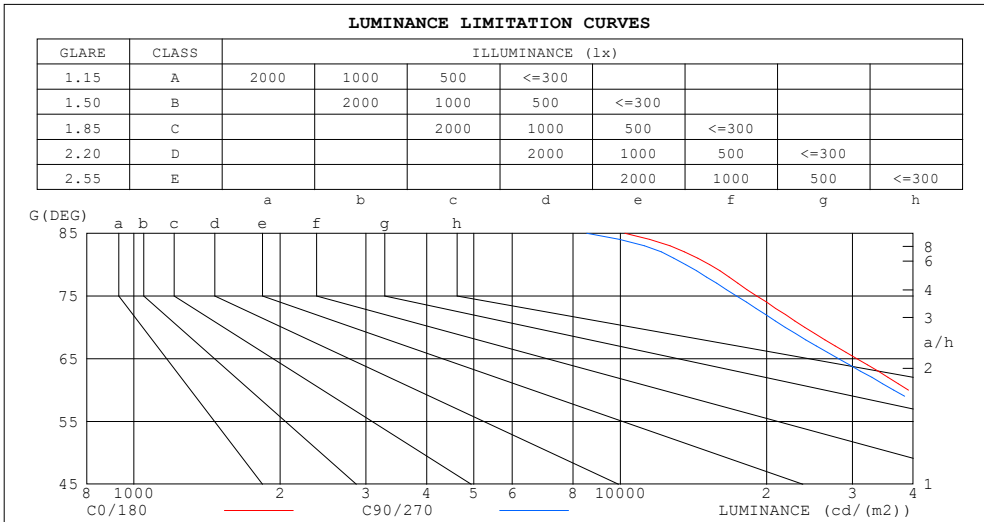
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1268	1269	1274	1275	1266	1266	1267	1272	0- 10	1208	1208	4.76,4.76
20	1299	1293	1302	1304	1293	1290	1295	1309	10- 20	3645	4853	19.1,19.1
30	1225	1247	1240	1242	1242	1260	1259	1234	20- 30	5957	10809	42.6,42.6
40	720.2	736.4	739.3	745.9	769.6	815.7	845.7	766.5	30- 40	6536	17346	68.3,68.3
50	336.4	335.1	327.1	345.7	352.0	356.8	364.4	356.4	40- 50	4052	21398	84.3,84.3
60	157.3	152.5	146.8	157.1	159.5	159.2	163.6	162.9	50- 60	2138	23536	92.7,92.7
70	65.82	62.70	60.02	65.13	67.17	66.61	67.78	68.34	60- 70	1048	24583	96.8,96.8
80	21.32	19.89	19.01	20.98	22.36	21.97	22.25	22.71	70- 80	431.0	25014	98.5,98.5
90	0.3554	0.3548	0.3552	0.3557	1.021	1.016	1.008	1.028	80- 90	92.66	25107	98.9,98.9
100	0.7201	0.7176	0.7276	0.7198	1.458	1.441	1.422	1.458	90-100	9.398	25116	98.9,98.9
110	1.492	1.508	1.532	1.481	2.272	2.254	2.227	2.290	100-110	15.16	25131	99,99
120	2.961	3.039	3.077	2.938	3.768	3.784	3.746	3.824	110-120	25.44	25157	99.1,99.1
130	4.977	5.087	5.136	4.955	5.834	5.878	5.837	5.909	120-130	39.30	25196	99.2,99.2
140	6.986	7.075	7.134	6.983	7.803	7.850	7.817	7.866	130-140	49.95	25246	99.4,99.4
150	8.621	8.715	8.788	8.676	9.299	9.330	9.297	9.319	140-150	51.63	25298	99.6,99.6
160	10.35	10.47	10.53	10.38	10.70	10.74	10.70	10.71	150-160	44.95	25343	99.8,99.8
170	12.26	12.32	12.34	12.25	12.36	12.38	12.35	12.32	160-170	32.28	25375	100,100
180	13.10	13.06	13.06	13.02	13.08	13.06	13.05	13.03	170-180	12.09	25387	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

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:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.: EVERFINE		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10217	8538
80	15275	13622
75	19069	17353
70	23942	21832
65	30655	28110
60	39140	36513
55	50192	47709
50	65102	63303
45	86053	86200

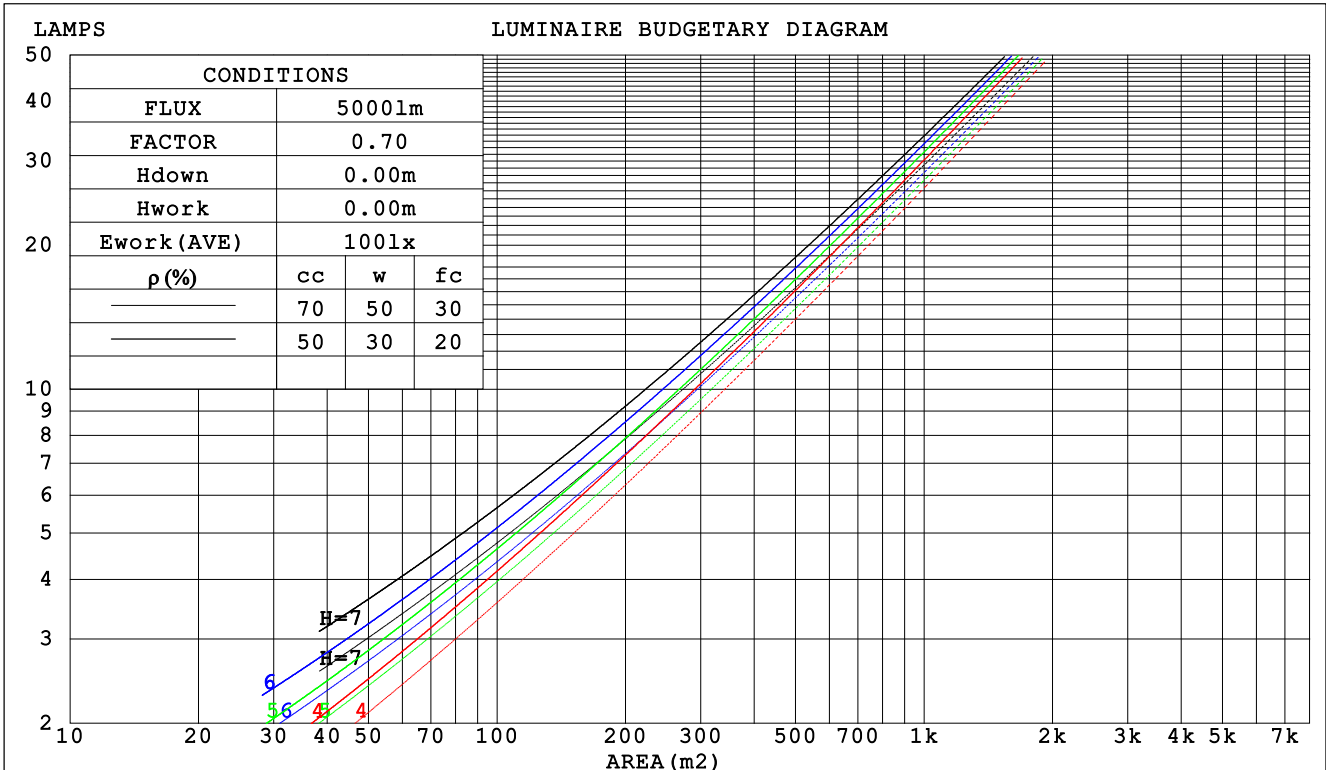
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:01 November 2023

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:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 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	1.03	.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	.84	.78	.74	.81	.76	.73	.78	.75	.72	.70		
4.0	.80	.73	.67	.79	.72	.67	.76	.70	.66	.74	.69	.65	.72	.68	.64	.62		
5.0	.73	.65	.60	.72	.65	.60	.70	.64	.59	.68	.62	.58	.66	.61	.58	.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	.58	.52	.48	.56	.51	.47	.45		
8.0	.57	.49	.44	.56	.49	.44	.54	.48	.44	.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	.42	.37	.48	.41	.37	.47	.41	.37	.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:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 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	.217	.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	.099	.030	.179	.096	.029	.171	.093	.028	
5.0	.190	.097	.028	.186	.095	.028	.178	.093	.027	.171	.090	.027	.164	.087	.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	.160	.081	.023	.154	.079	.023	.149	.077	.023	
8.0	.161	.079	.022	.158	.078	.022	.153	.076	.022	.147	.075	.021	.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	.041	.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:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz										
Lamp Flux:25387x1 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	22.9	24.1	23.2	24.5	24.8	22.7	24.0	23.1	24.3	24.6
3H	23.7	24.8	24.1	25.1	25.5	23.4	24.5	23.8	24.9	25.3
4H	23.9	24.9	24.3	25.3	25.7	23.6	24.7	24.0	25.0	25.5
6H	24.0	25.0	24.4	25.4	25.8	23.7	24.7	24.1	25.1	25.5
8H	24.0	25.0	24.5	25.4	25.8	23.7	24.7	24.2	25.1	25.5
12H	24.0	24.9	24.5	25.3	25.8	23.7	24.6	24.2	25.0	25.5
4H 2H	23.1	24.1	23.5	24.5	24.9	22.9	24.0	23.4	24.4	24.8
3H	24.0	24.9	24.5	25.3	25.7	23.8	24.7	24.3	25.1	25.6
4H	24.3	25.1	24.8	25.5	26.0	24.1	24.9	24.6	25.3	25.8
6H	24.5	25.2	25.0	25.7	26.2	24.3	25.0	24.8	25.4	25.9
8H	24.6	25.2	25.1	25.7	26.2	24.3	24.9	24.8	25.4	25.9
12H	24.6	25.1	25.1	25.6	26.1	24.3	24.9	24.8	25.4	25.9
8H 4H	24.4	25.0	24.8	25.4	25.9	24.2	24.8	24.7	25.3	25.8
6H	24.6	25.1	25.1	25.6	26.2	24.4	24.9	24.9	25.4	26.0
8H	24.7	25.1	25.2	25.7	26.2	24.5	24.9	25.0	25.5	26.0
12H	24.7	25.1	25.3	25.7	26.2	24.5	24.9	25.0	25.4	26.0
12H 4H	24.3	24.9	24.8	25.4	25.9	24.2	24.7	24.7	25.2	25.7
6H	24.6	25.1	25.1	25.5	26.1	24.4	24.9	25.0	25.4	25.9
8H	24.7	25.1	25.2	25.6	26.2	24.5	24.9	25.0	25.4	26.0
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:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

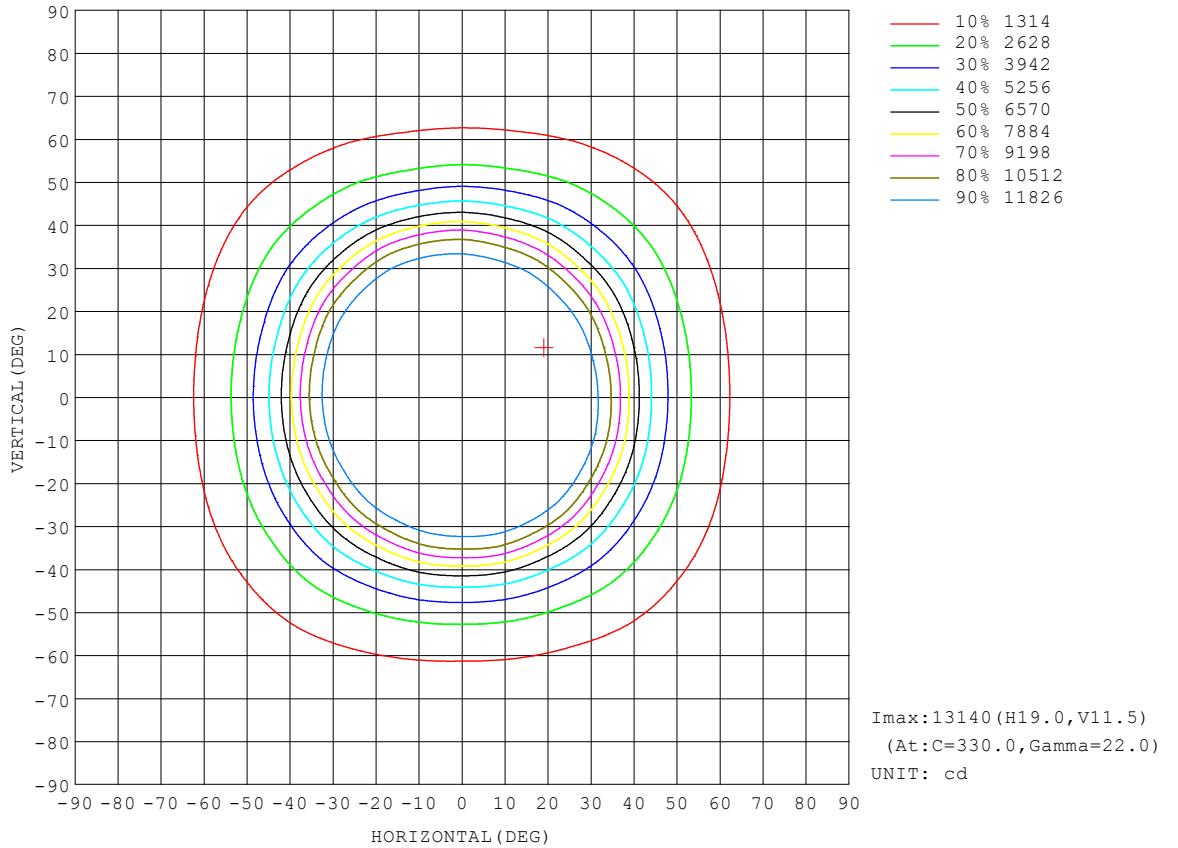
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	72	62	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	78	71	66	61
1.00	88	80	75	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

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:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

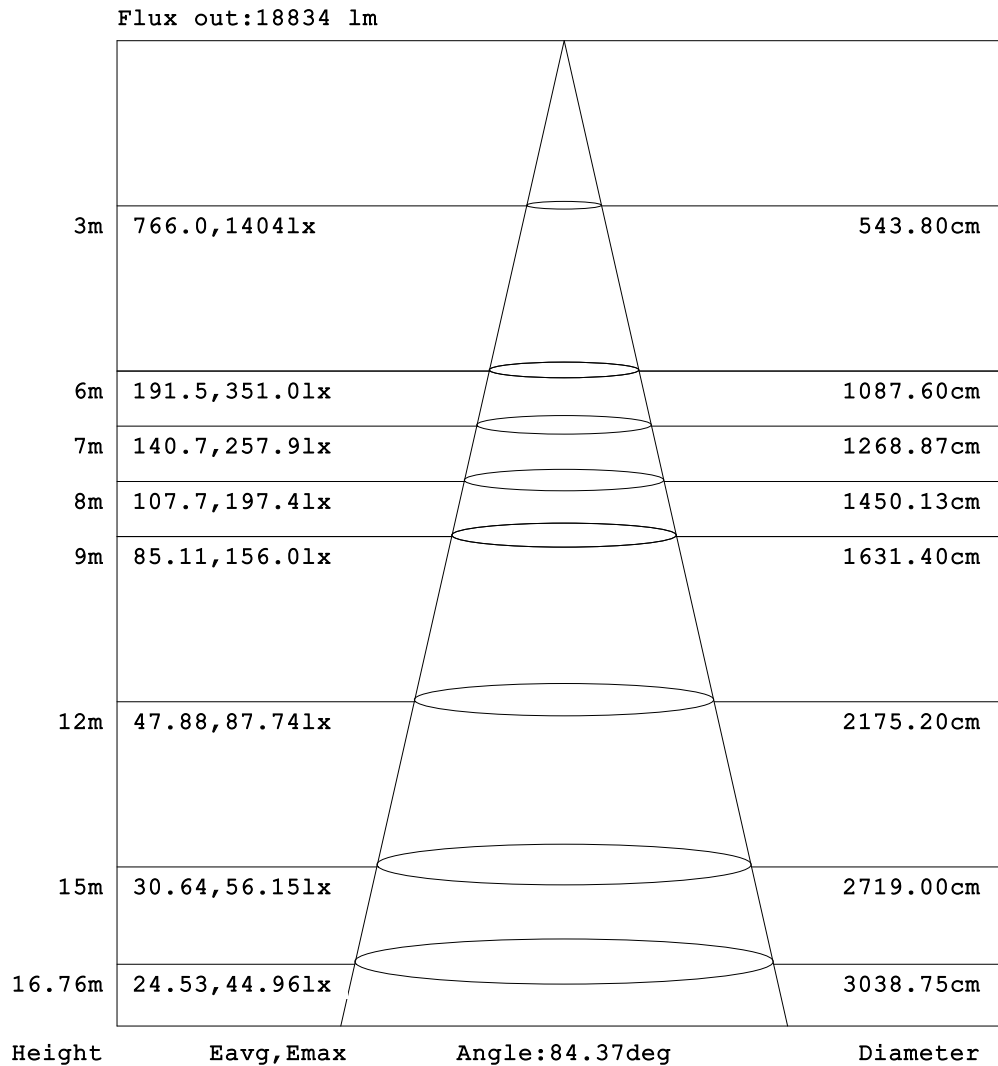


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:01 November 2023

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:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		



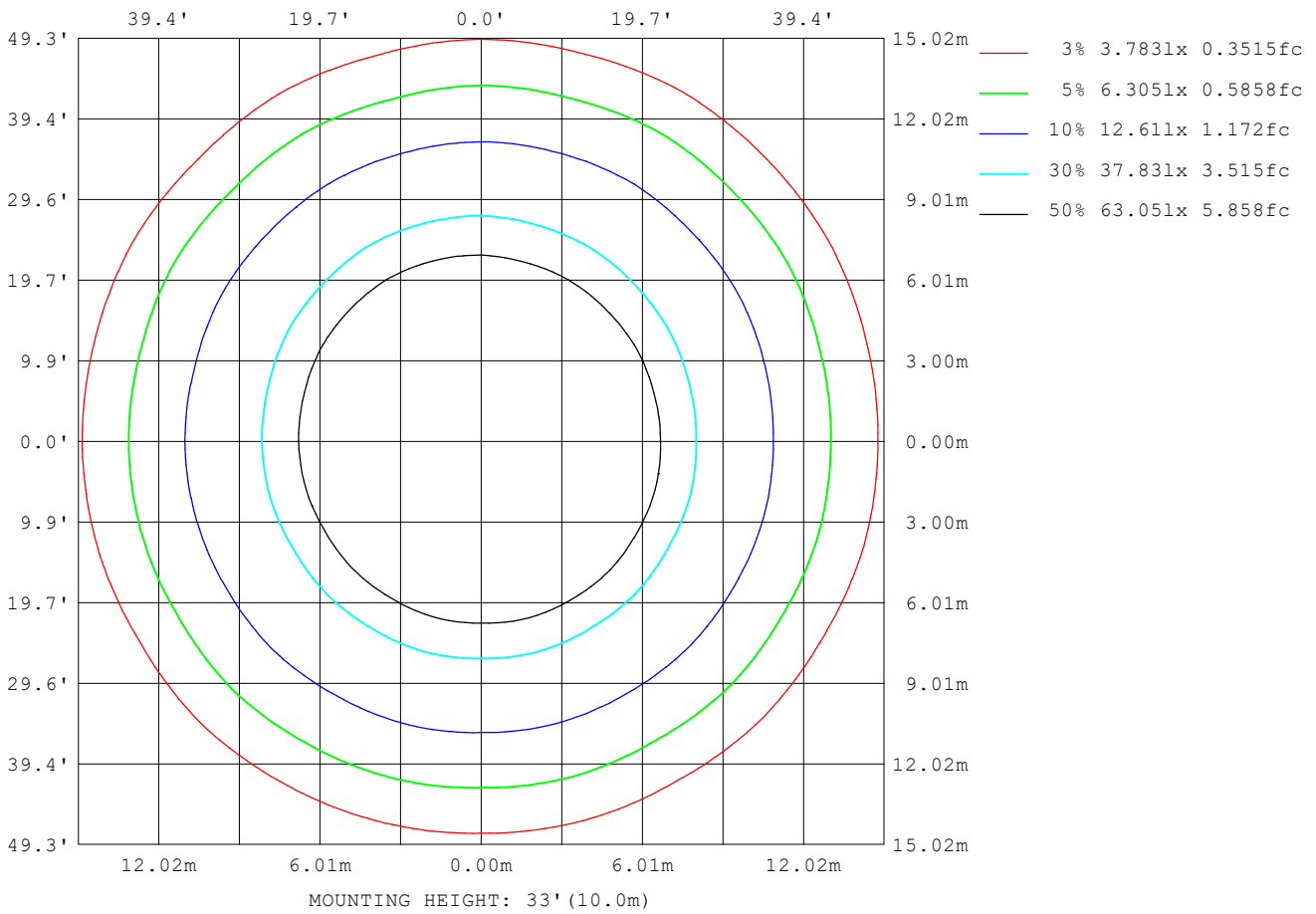
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

Test:U:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 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:

LED Avg.L Report

Test:U:122.33V I:1.1960A P:146.16W PF:0.9991 Freq:50.01Hz		
Lamp Flux:25387x1 lm		
NAME: HBUD3-SW3B240S-CDGLY	TYPE:	
MFR.:		

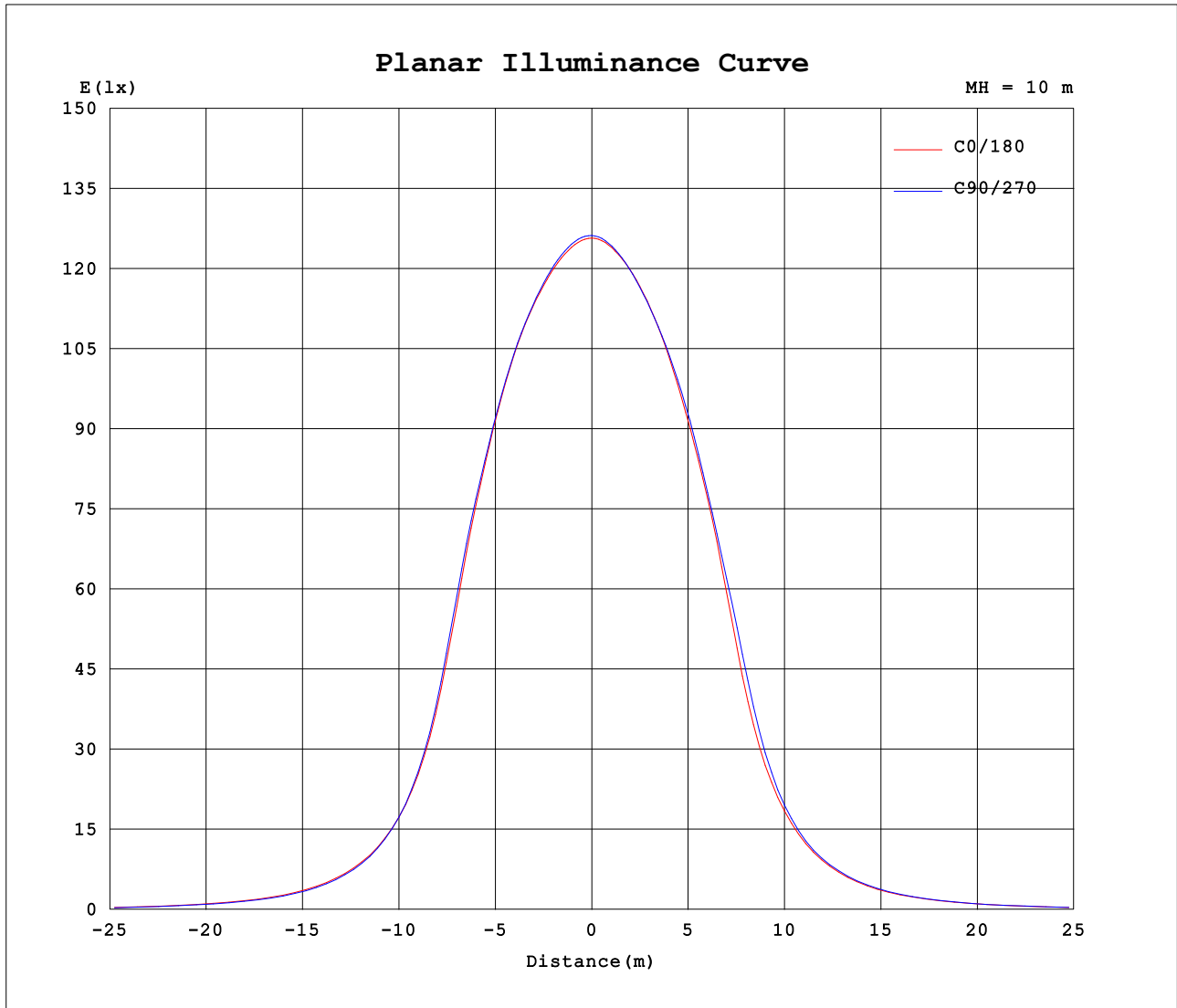
AvgL	cd/m2
L_0~180 (65) av	30845
L_0~180 (75) av	19424
L_0~180 (85) av	11082
L_90~270 (65) av	29784
L_90~270 (75) av	18564
L_90~270 (85) av	10422
L_45 (65) av	30548
L_45 (75) av	19104
L_45 (85) av	10894

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]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	12572	12582	12591	12598	12603	12613	12621	12624	12627	12631
3.0	12579	12591	12601	12609	12617	12628	12635	12638	12641	12642
6.0	12603	12617	12629	12635	12643	12654	12665	12667	12674	12673
9.0	12656	12662	12673	12675	12688	12700	12713	12717	12727	12728
12.0	12731	12730	12735	12736	12747	12763	12782	12790	12805	12807
15.0	12826	12815	12811	12807	12823	12843	12870	12882	12899	12906
18.0	12938	12912	12896	12884	12903	12929	12964	12979	12996	12998
21.0	13008	12985	12965	12952	12971	12998	13035	13054	13059	13054
24.0	12975	12973	12965	12966	12970	12993	13014	13031	13015	13005
27.0	12743	12787	12801	12833	12822	12832	12814	12842	12822	12824
30.0	12255	12373	12385	12468	12447	12465	12403	12446	12388	12418
33.0	11339	11471	11497	11648	11661	11719	11617	11623	11509	11506
36.0	9734	9883	9826	10100	10060	10248	10069	10142	9929	9978
39.0	7781	7869	7777	7988	7940	8144	8025	8135	7961	8042
42.0	6176	6227	6160	6267	6225	6362	6295	6398	6308	6403
45.0	4891	4933	4873	4940	4880	4972	4900	5003	4968	5088
48.0	3904	3922	3870	3902	3837	3880	3837	3907	3915	4031
51.0	3125	3132	3075	3118	3022	3072	3025	3096	3104	3197
54.0	2498	2501	2431	2455	2380	2406	2381	2426	2456	2534
57.0	1982	1980	1920	1934	1873	1893	1869	1910	1938	1996
60.0	1573	1569	1517	1525	1475	1485	1468	1503	1525	1571
63.0	1238	1235	1188	1190	1145	1156	1137	1174	1194	1224
66.0	952.2	949.1	907.5	913.2	879.0	885.2	871.4	903.6	911.7	940.8
69.0	723.5	720.2	688.9	689.9	665.3	669.2	660.6	685.4	690.8	716.0
72.0	542.9	540.5	514.6	515.1	494.9	500.0	494.2	512.6	517.0	536.3
75.0	396.7	394.7	374.3	374.3	358.0	364.0	361.0	375.1	378.8	394.9
78.0	280.1	279.0	263.9	264.7	249.9	256.9	251.6	264.4	264.4	277.9
81.0	181.5	182.2	171.3	170.3	160.8	165.3	162.1	169.7	170.0	179.0
84.0	96.52	98.34	90.40	91.19	83.70	87.67	83.72	90.25	87.93	94.53
87.0	25.36	27.33	20.52	22.27	15.63	18.51	13.88	18.84	15.62	21.72
90.0	3.554	3.530	3.606	3.548	3.579	3.517	3.552	3.521	3.588	3.557
93.0	4.355	4.316	4.417	4.343	4.390	4.312	4.381	4.330	4.412	4.356
96.0	5.383	5.325	5.467	5.356	5.436	5.334	5.427	5.351	5.467	5.378
99.0	6.687	6.607	6.780	6.643	6.753	6.616	6.758	6.643	6.793	6.665
102.0	8.297	8.264	8.417	8.326	8.399	8.313	8.403	8.331	8.434	8.339
105.0	10.33	10.29	10.51	10.39	10.53	10.39	10.52	10.39	10.52	10.36
108.0	12.88	12.80	13.15	12.98	13.23	12.99	13.20	12.94	13.11	12.83
111.0	16.02	15.97	16.37	16.23	16.53	16.30	16.47	16.18	16.28	15.93
114.0	19.85	19.79	20.37	20.23	20.66	20.32	20.56	20.10	20.20	19.68
117.0	24.42	24.39	25.11	25.02	25.47	25.16	25.35	24.82	24.86	24.20
120.0	29.61	29.64	30.46	30.39	30.92	30.57	30.77	30.14	30.14	29.38
123.0	35.32	35.37	36.28	36.22	36.81	36.39	36.66	35.93	35.91	35.04
126.0	41.40	41.46	42.47	42.39	43.04	42.62	42.88	42.08	42.06	41.11
129.0	47.68	47.78	48.78	48.76	49.42	48.99	49.24	48.45	48.39	47.46
132.0	53.92	54.08	55.03	55.06	55.68	55.29	55.54	54.78	54.68	53.74
135.0	60.10	60.29	61.17	61.24	61.82	61.50	61.71	61.01	60.89	60.04
138.0	66.03	66.20	67.03	67.10	67.67	67.37	67.56	66.95	66.82	66.05
141.0	71.61	71.67	72.43	72.49	73.14	72.80	73.06	72.41	72.38	71.63
144.0	76.70	76.78	77.46	77.62	78.19	77.90	78.18	77.56	77.54	76.86
147.0	81.46	81.56	82.21	82.45	82.95	82.75	83.05	82.49	82.45	81.84
150.0	86.21	86.25	87.02	87.15	87.70	87.54	87.88	87.35	87.35	86.76
153.0	90.96	91.00	91.80	91.91	92.49	92.40	92.72	92.19	92.20	91.63
156.0	95.97	96.14	96.87	96.98	97.62	97.52	97.81	97.23	97.24	96.57
159.0	101.5	101.8	102.5	102.7	103.3	103.1	103.3	102.7	102.6	101.9
162.0	107.7	107.9	108.7	108.8	109.4	109.2	109.3	108.6	108.5	107.7
165.0	113.8	113.9	114.6	114.7	115.2	115.0	115.1	114.4	114.3	113.6
168.0	119.3	119.5	120.1	120.1	120.5	120.3	120.3	119.8	119.8	119.2
171.0	124.1	124.2	124.7	124.6	124.9	124.7	124.9	124.4	124.5	124.1
174.0	127.5	127.6	127.7	127.7	127.9	127.8	127.9	127.7	127.8	127.3
177.0	129.7	129.8	129.6	129.6	129.5	129.7	129.9	129.7	129.5	129.1
180.0	131.0	131.0	130.6	130.6	130.7	130.9	130.6	130.5	130.5	130.2
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	12633	12635	12572	12582	12591	12598	12603	12613	12621	12624
3.0	12643	12642	12576	12585	12592	12596	12602	12610	12617	12622
6.0	12676	12671	12597	12607	12607	12608	12609	12620	12625	12635
9.0	12735	12726	12643	12651	12642	12639	12639	12648	12654	12671
12.0	12816	12804	12717	12714	12696	12690	12681	12696	12707	12732
15.0	12914	12903	12804	12798	12768	12759	12749	12767	12784	12822
18.0	13004	12994	12888	12883	12856	12840	12828	12851	12878	12927
21.0	13048	13038	12937	12944	12929	12921	12908	12938	12975	13026
24.0	12991	12991	12907	12932	12959	12967	12965	12988	13022	13056
27.0	12805	12824	12754	12791	12863	12905	12930	12923	12938	12929
30.0	12368	12439	12415	12466	12555	12598	12658	12627	12588	12508

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	11440	11581	11680	11751	11907	11947	12064	11993	11926	11762
36.0	9847	10082	10240	10317	10675	10728	10983	10909	10868	10569
39.0	7958	8182	8301	8379	8745	8811	9159	9105	9127	8809
42.0	6372	6509	6583	6622	6871	6946	7144	7111	7149	6931
45.0	5065	5145	5217	5199	5393	5418	5535	5487	5535	5403
48.0	3998	4069	4113	4090	4220	4199	4273	4228	4286	4228
51.0	3160	3220	3255	3244	3334	3295	3353	3296	3365	3324
54.0	2485	2548	2565	2565	2628	2583	2640	2579	2646	2606
57.0	1957	2010	2021	2033	2074	2038	2085	2034	2083	2055
60.0	1543	1583	1595	1598	1625	1592	1642	1596	1636	1618
63.0	1207	1238	1251	1253	1265	1250	1276	1250	1272	1270
66.0	930.6	954.9	964.7	961.5	972.4	958.8	985.1	961.4	976.1	971.0
69.0	711.5	729.1	737.1	729.7	742.6	731.5	751.6	733.9	743.2	737.5
72.0	532.6	548.5	555.3	548.1	558.3	548.9	563.7	549.1	558.5	551.4
75.0	391.8	405.1	411.5	403.3	413.6	404.8	413.5	401.7	411.4	403.4
78.0	274.8	288.4	293.9	284.6	295.3	285.9	294.4	282.0	292.9	283.8
81.0	177.2	186.5	192.2	187.7	194.3	189.3	193.7	186.4	192.3	188.0
84.0	92.93	100.8	108.5	107.2	112.4	109.9	113.1	107.9	110.3	108.1
87.0	19.78	26.94	37.28	34.61	41.39	38.07	42.46	37.75	41.69	37.25
90.0	3.584	3.521	10.21	10.25	10.13	10.16	10.08	10.12	10.10	10.17
93.0	4.412	4.307	11.24	11.29	11.14	11.16	11.04	11.11	11.03	11.17
96.0	5.454	5.311	12.48	12.54	12.34	12.39	12.20	12.31	12.21	12.38
99.0	6.767	6.581	14.02	14.04	13.83	13.87	13.68	13.77	13.67	13.85
102.0	8.381	8.211	15.82	15.82	15.61	15.62	15.45	15.52	15.44	15.61
105.0	10.42	10.17	17.99	18.01	17.74	17.79	17.56	17.68	17.54	17.79
108.0	12.91	12.58	20.60	20.68	20.34	20.44	20.15	20.35	20.15	20.46
111.0	15.99	15.57	23.86	23.91	23.56	23.67	23.39	23.60	23.40	23.74
114.0	19.69	19.20	27.73	27.87	27.44	27.68	27.31	27.64	27.34	27.77
117.0	24.20	23.56	32.40	32.56	32.16	32.41	32.07	32.41	32.09	32.52
120.0	29.33	28.68	37.68	37.92	37.47	37.84	37.44	37.83	37.46	37.95
123.0	35.00	34.25	43.55	43.82	43.37	43.80	43.36	43.80	43.37	43.95
126.0	41.07	40.29	49.78	50.11	49.65	50.13	49.69	50.19	49.67	50.28
129.0	47.36	46.59	56.25	56.54	56.13	56.61	56.23	56.68	56.25	56.74
132.0	53.69	52.90	62.63	62.93	62.56	63.06	62.66	63.13	62.68	63.16
135.0	59.99	59.23	68.76	69.07	68.74	69.21	68.85	69.28	68.88	69.26
138.0	66.00	65.35	74.50	74.79	74.52	74.96	74.62	75.03	74.62	74.97
141.0	71.66	71.05	79.74	79.97	79.78	80.16	79.87	80.23	79.90	80.17
144.0	76.92	76.40	84.50	84.69	84.54	84.91	84.65	84.96	84.63	84.88
147.0	81.91	81.44	88.87	89.01	88.88	89.24	89.01	89.29	88.95	89.17
150.0	86.84	86.36	92.99	93.18	92.96	93.30	93.06	93.36	92.97	93.15
153.0	91.70	91.13	96.90	97.15	96.85	97.15	96.91	97.18	96.81	96.94
156.0	96.62	96.01	100.9	101.3	101.1	101.2	100.9	101.2	100.8	101.0
159.0	101.9	101.3	105.4	105.8	105.7	105.7	105.4	105.7	105.3	105.5
162.0	107.7	107.1	110.4	110.8	110.7	111.0	110.5	110.8	110.4	110.5
165.0	113.6	113.1	115.6	116.0	115.9	116.3	115.6	116.0	115.6	115.7
168.0	119.2	118.7	120.6	121.0	120.6	121.2	120.6	120.9	120.6	120.6
171.0	123.9	123.4	124.9	125.3	124.4	125.0	124.9	125.0	124.8	124.8
174.0	127.2	126.8	128.0	128.2	127.3	127.7	127.8	127.7	127.7	127.7
177.0	129.0	128.8	130.0	130.3	129.5	129.6	129.7	129.8	129.6	129.6
180.0	130.1	130.0	130.8	131.1	130.6	130.6	130.6	131.0	130.5	130.5
G/C	300.0	315.0	330.0	345.0						
0.0	12627	12631	12633	12635						
3.0	12625	12632	12635	12641						
6.0	12640	12652	12658	12668						
9.0	12680	12700	12710	12725						
12.0	12753	12778	12795	12810						
15.0	12850	12894	12911	12929						
18.0	12972	13023	13042	13050						
21.0	13071	13117	13132	13127						
24.0	13089	13103	13101	13076						
27.0	12923	12865	12839	12796						
30.0	12458	12344	12302	12251						
33.0	11695	11495	11454	11317						
36.0	10468	10127	10046	9753						
39.0	8659	8304	8142	7873						
42.0	6854	6539	6485	6264						
45.0	5412	5196	5167	4978						
48.0	4267	4136	4116	3973						
51.0	3384	3302	3294	3178						
54.0	2673	2623	2614	2523						
57.0	2113	2078	2068	2011						
60.0	1664	1629	1634	1591						
63.0	1301	1285	1281	1252						
66.0	1005	987.0	992.7	965.7						

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:

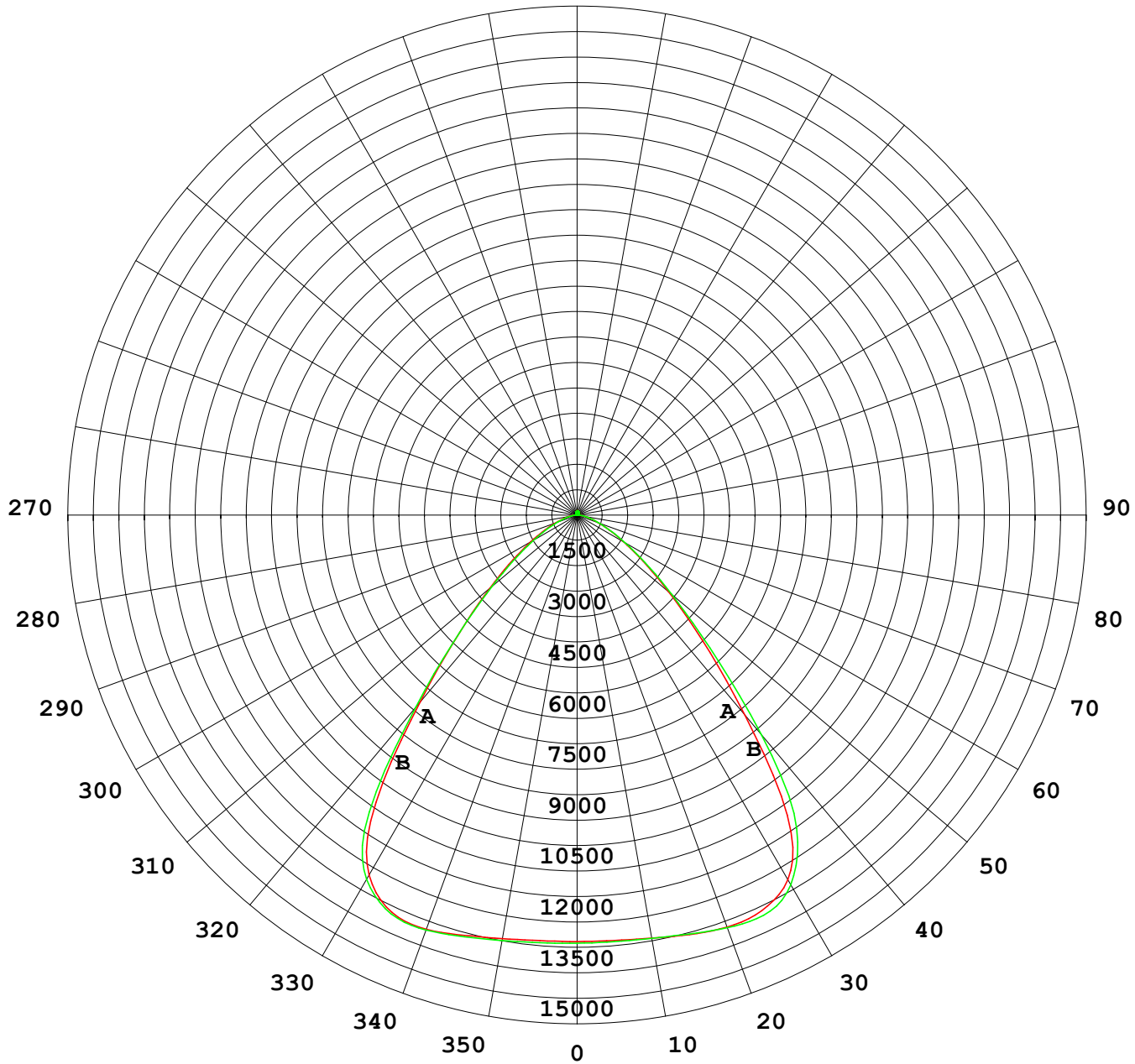
Photometric Data Table [cd]

69.0	767.0	751.9	759.2	739.6
72.0	574.1	564.3	571.7	559.1
75.0	423.4	415.8	423.4	412.6
78.0	302.7	294.8	302.3	293.2
81.0	199.6	196.3	202.3	193.9
84.0	114.4	111.2	114.6	109.8
87.0	41.94	37.66	41.07	35.33
90.0	10.17	10.28	10.25	10.37
93.0	11.15	11.30	11.26	11.42
96.0	12.34	12.55	12.48	12.67
99.0	13.82	14.04	14.01	14.19
102.0	15.61	15.82	15.82	16.02
105.0	17.77	18.04	18.02	18.28
108.0	20.39	20.77	20.69	21.06
111.0	23.69	24.06	24.01	24.39
114.0	27.63	28.10	27.96	28.47
117.0	32.38	32.82	32.70	33.22
120.0	37.70	38.24	38.05	38.68
123.0	43.64	44.21	43.95	44.68
126.0	49.94	50.52	50.23	51.01
129.0	56.45	56.95	56.73	57.46
132.0	62.87	63.32	63.13	63.85
135.0	69.01	69.44	69.28	69.97
138.0	74.74	75.14	75.02	75.67
141.0	79.97	80.33	80.24	80.82
144.0	84.67	85.00	84.97	85.53
147.0	88.93	89.23	89.23	89.77
150.0	92.89	93.19	93.19	93.77
153.0	96.67	97.00	97.01	97.59
156.0	100.7	101.0	101.0	101.6
159.0	105.1	105.5	105.4	106.0
162.0	110.1	110.4	110.3	110.9
165.0	115.2	115.5	115.4	115.9
168.0	120.2	120.3	120.2	120.6
171.0	124.4	124.5	124.3	124.6
174.0	127.4	127.4	127.2	127.3
177.0	129.6	129.4	129.3	129.3
180.0	130.5	130.3	130.1	130.0

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

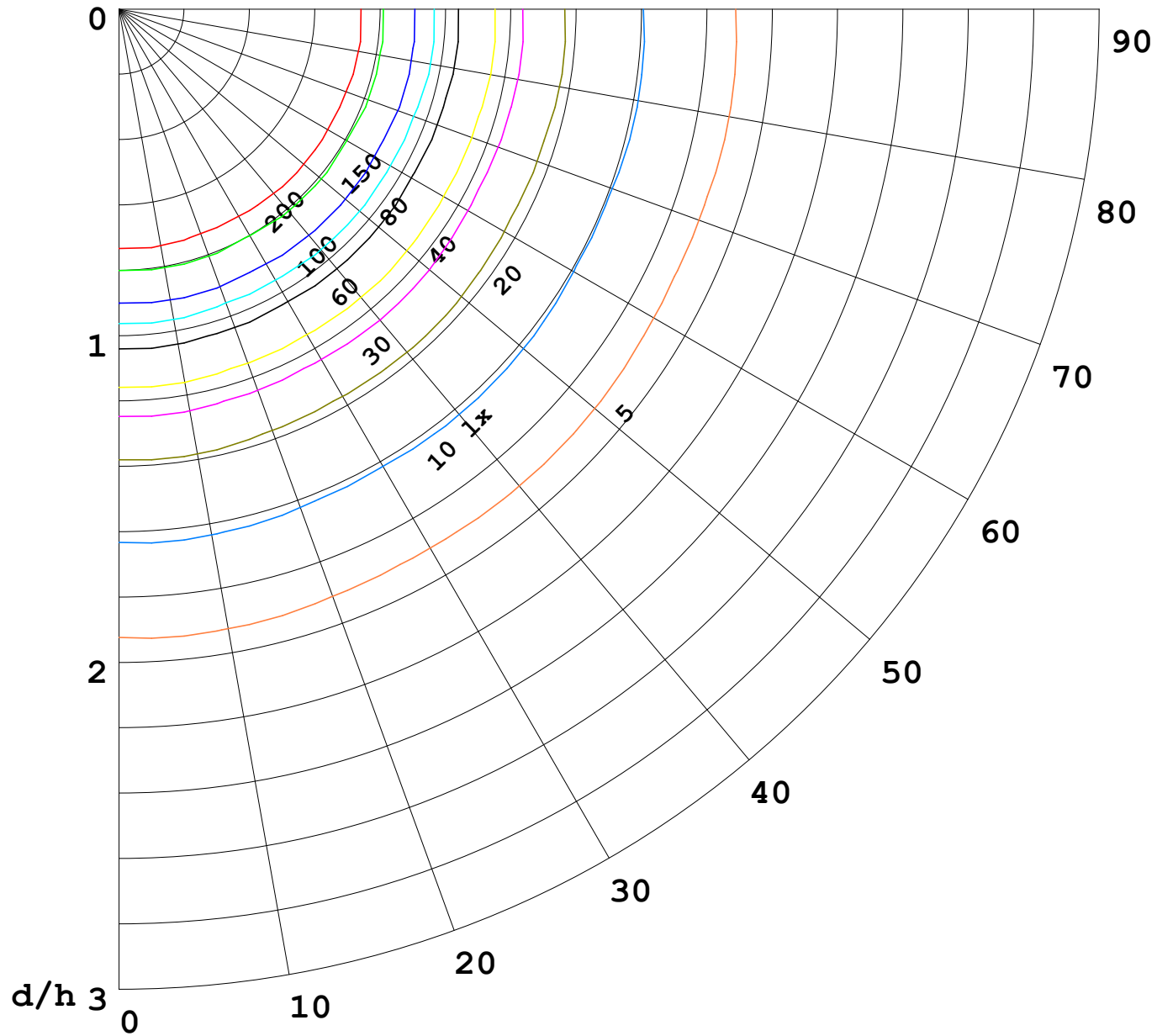
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

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

