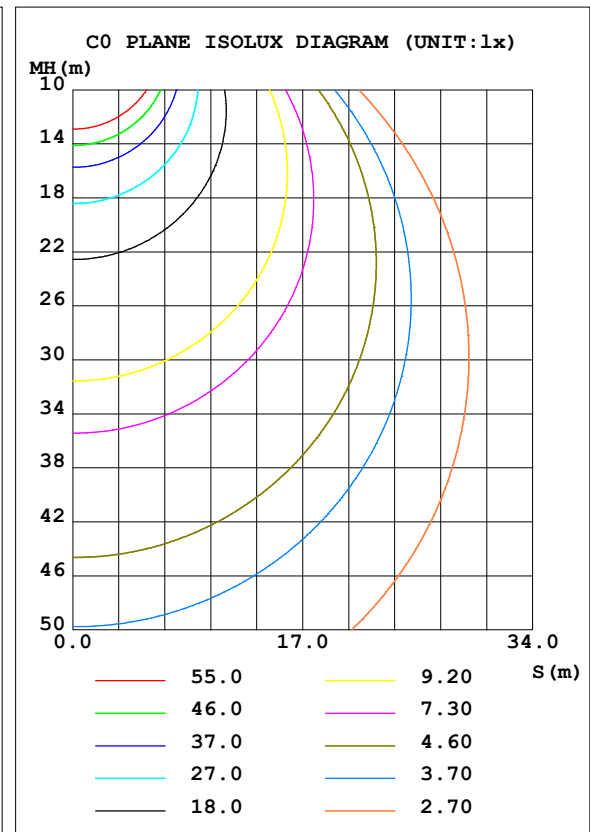
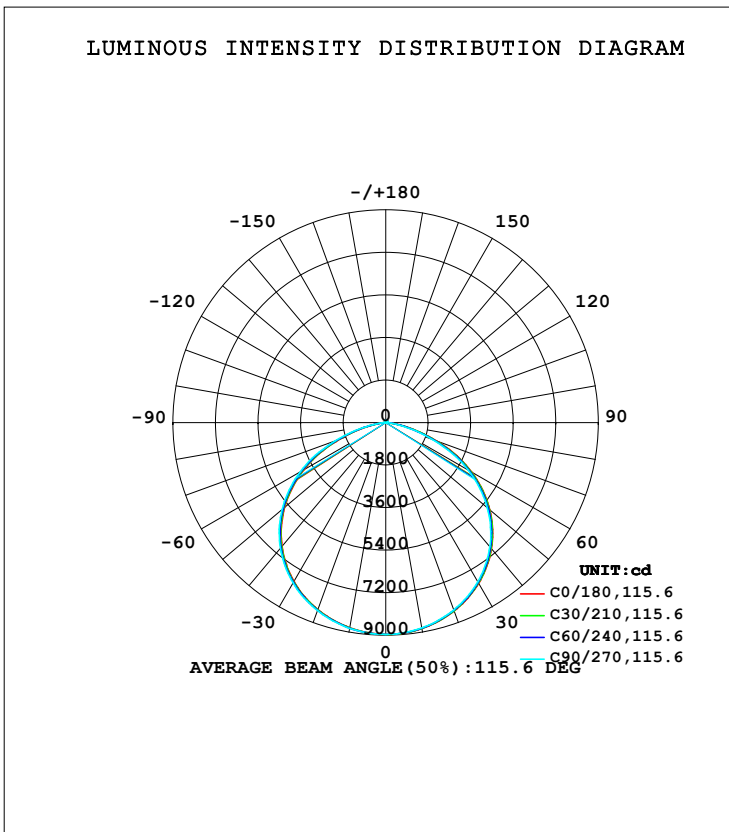


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.63 lm/W			
MODEL	S16282	I <sub>max</sub> (cd)	8962	S/MH (C0/180)	1.29
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	25915	η UP, DN (C0-180)	0.5, 49.2
NOMINAL FLUX (lm)	25914.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.7
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240	η down (%)	98.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 8.000m [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	8847	8840	8818	8810	8812	8815	8837	8845	0- 10	849.1	849.1	3.28,3.28
20	8481	8469	8431	8414	8416	8426	8464	8476	10- 20	2448	3297	12.7,12.7
30	7863	7850	7787	7766	7766	7785	7843	7866	20- 30	3765	7062	27.3,27.3
40	6966	6944	6857	6826	6833	6859	6942	6969	30- 40	4625	11687	45.1,45.1
50	5757	5731	5614	5579	5587	5614	5728	5765	40- 50	4874	16561	63.9,63.9
60	4212	4176	4040	3989	4007	4038	4184	4212	50- 60	4397	20959	80.9,80.9
70	2304	2250	2111	2050	2077	2117	2283	2328	60- 70	3142	24101	93,93
80	585.8	555.6	448.4	423.7	455.0	476.2	571.1	604.8	70- 80	1369	25470	98.3,98.3
90	7.341	7.388	7.832	8.033	9.997	9.755	9.254	9.400	80- 90	163.9	25634	98.9,98.9
100	16.03	16.29	17.07	17.39	19.84	19.44	18.52	18.15	90-100	13.98	25648	99,99
110	28.25	28.56	29.53	29.91	32.73	32.31	31.23	30.79	100-110	25.27	25673	99.1,99.1
120	41.30	41.66	42.56	42.96	45.93	45.54	44.54	44.08	110-120	36.67	25710	99.2,99.2
130	53.35	53.65	54.41	54.74	57.85	57.47	56.60	56.17	120-130	44.45	25754	99.4,99.4
140	63.91	64.18	64.69	64.91	68.04	67.69	67.02	66.64	130-140	47.00	25801	99.6,99.6
150	72.99	73.30	73.69	73.83	76.49	76.16	75.74	75.38	140-150	44.07	25845	99.7,99.7
160	81.53	81.84	82.11	82.21	84.13	83.87	83.60	83.37	150-160	36.37	25882	99.9,99.9
170	89.17	89.46	89.50	89.63	90.38	90.09	90.08	89.85	160-170	24.39	25906	100,100
180	93.62	94.11	94.00	94.30	94.11	93.80	94.22	94.15	170-180	8.742	25915	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14136 lm

%lum = 54.5%

%lamp = 54.5%

Conical surface Flux(130deg): 22738 lm

%lum = 87.7%

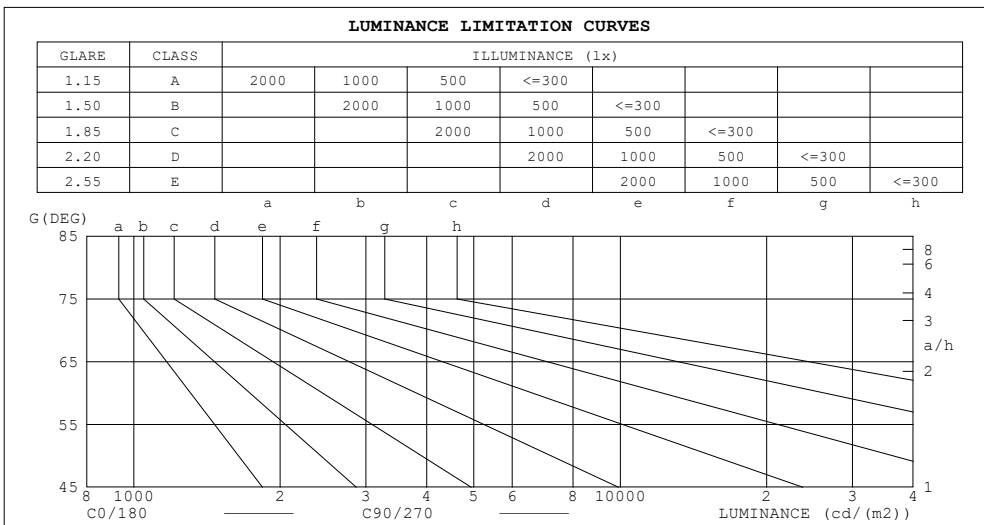
%lamp = 87.7%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	58001	28329
80	135783	101261
75	212508	181397
70	271215	241995
65	316672	288033
60	339118	316840
55	352926	332804
50	360517	342440
45	364514	348074

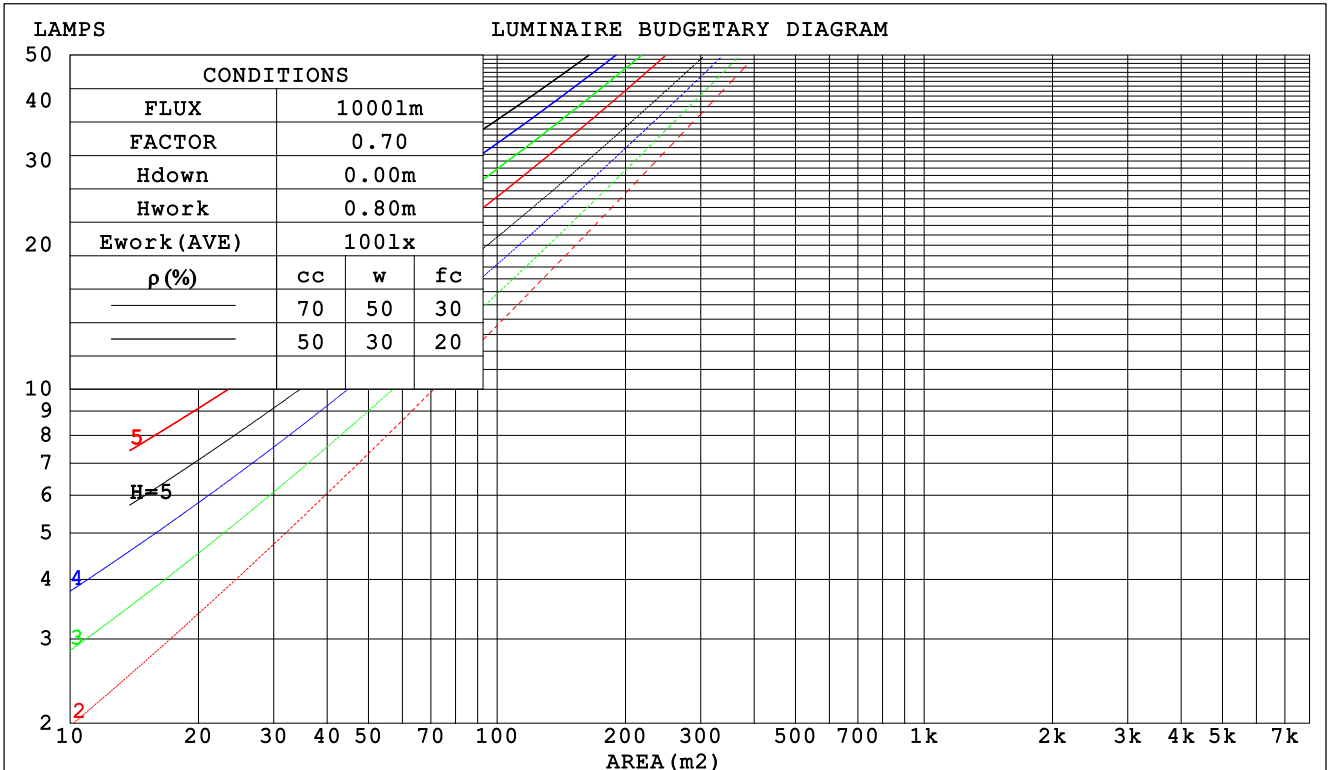
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:

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															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.92	.85	.79	.90	.83	.78	.86	.81	.76	.82	.78	.74	.79	.76	.73	.70
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.67	.63	.70	.66	.62	.59
4.0	.71	.63	.56	.70	.62	.55	.67	.60	.55	.65	.59	.54	.62	.57	.53	.51
5.0	.64	.55	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.50	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz		
Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:

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	.289	.165	.052	.282	.161	.051	.268	.154	.049	.256	.147	.047	.244	.141	.046	
2.0	.279	.153	.047	.273	.150	.046	.260	.145	.045	.249	.140	.044	.239	.135	.043	
3.0	.262	.139	.042	.256	.137	.041	.245	.133	.040	.235	.129	.040	.226	.125	.039	
4.0	.243	.127	.037	.238	.125	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.226	.115	.033	.222	.114	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.211	.106	.030	.207	.104	.030	.199	.102	.030	.192	.100	.029	.185	.097	.029	
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021	

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	.187	.165	.144	.160	.141	.124	.110	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.179	.140	.108	.153	.121	.093	.105	.084	.065	.061	.049	.038	.019	.016	.012	
3.0	.171	.123	.084	.147	.106	.073	.101	.074	.051	.058	.043	.030	.019	.014	.010	
4.0	.164	.109	.068	.141	.094	.059	.097	.066	.041	.056	.039	.024	.018	.013	.008	
5.0	.157	.099	.056	.135	.086	.049	.093	.060	.035	.054	.035	.021	.017	.011	.007	
6.0	.150	.091	.048	.129	.078	.042	.089	.055	.030	.052	.032	.018	.017	.011	.006	
7.0	.143	.084	.042	.123	.073	.037	.085	.051	.026	.049	.030	.015	.016	.010	.005	
8.0	.137	.078	.037	.118	.068	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
9.0	.131	.073	.034	.113	.063	.030	.078	.045	.021	.045	.026	.013	.015	.009	.004	
10.0	.125	.069	.031	.108	.060	.027	.075	.042	.019	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz										
Lamp Flux:25914.8x1 lm										
NAME: S16282			TYPE:				WEIGHT:			
SPEC.:			DIM.:				SERIAL No.:			
MFR.: EVERFINE			SUR.: 90*90*3.14				Shielding Angle:			
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	32.8	34.4	33.2	34.7	35.1	32.3	33.9	32.7	34.3	34.6
3H	34.3	35.8	34.7	36.1	36.5	33.7	35.2	34.1	35.5	35.9
4H	34.8	36.1	35.2	36.5	36.9	34.1	35.5	34.5	35.8	36.2
6H	35.0	36.2	35.4	36.6	37.0	34.2	35.5	34.7	35.9	36.3
8H	35.0	36.2	35.4	36.6	37.0	34.2	35.4	34.7	35.8	36.3
12H	35.0	36.1	35.4	36.5	37.0	34.2	35.4	34.7	35.8	36.2
4H 2H	33.3	34.7	33.8	35.1	35.5	32.9	34.2	33.3	34.6	35.0
3H	35.1	36.2	35.5	36.6	37.0	34.4	35.5	34.8	36.0	36.4
4H	35.6	36.6	36.0	37.0	37.5	34.9	35.9	35.3	36.3	36.8
6H	35.9	36.7	36.3	37.2	37.7	35.0	35.9	35.5	36.4	36.9
8H	35.9	36.7	36.4	37.2	37.7	35.0	35.9	35.5	36.3	36.8
12H	35.9	36.6	36.4	37.1	37.6	35.0	35.8	35.5	36.3	36.8
8H 4H	35.7	36.6	36.2	37.0	37.5	35.0	35.8	35.5	36.3	36.8
6H	36.0	36.7	36.5	37.2	37.7	35.2	35.9	35.7	36.4	36.9
8H	36.1	36.7	36.6	37.2	37.7	35.2	35.8	35.7	36.3	36.8
12H	36.1	36.6	36.6	37.1	37.7	35.2	35.7	35.7	36.2	36.8
12H 4H	35.7	36.5	36.2	37.0	37.4	35.0	35.7	35.5	36.2	36.7
6H	36.0	36.6	36.6	37.1	37.7	35.2	35.8	35.7	36.3	36.8
8H	36.1	36.6	36.6	37.1	37.7	35.2	35.7	35.7	36.2	36.8
CIE190: 2010										

CIE190: 2010  
Area: 0.0254 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:12 January 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:

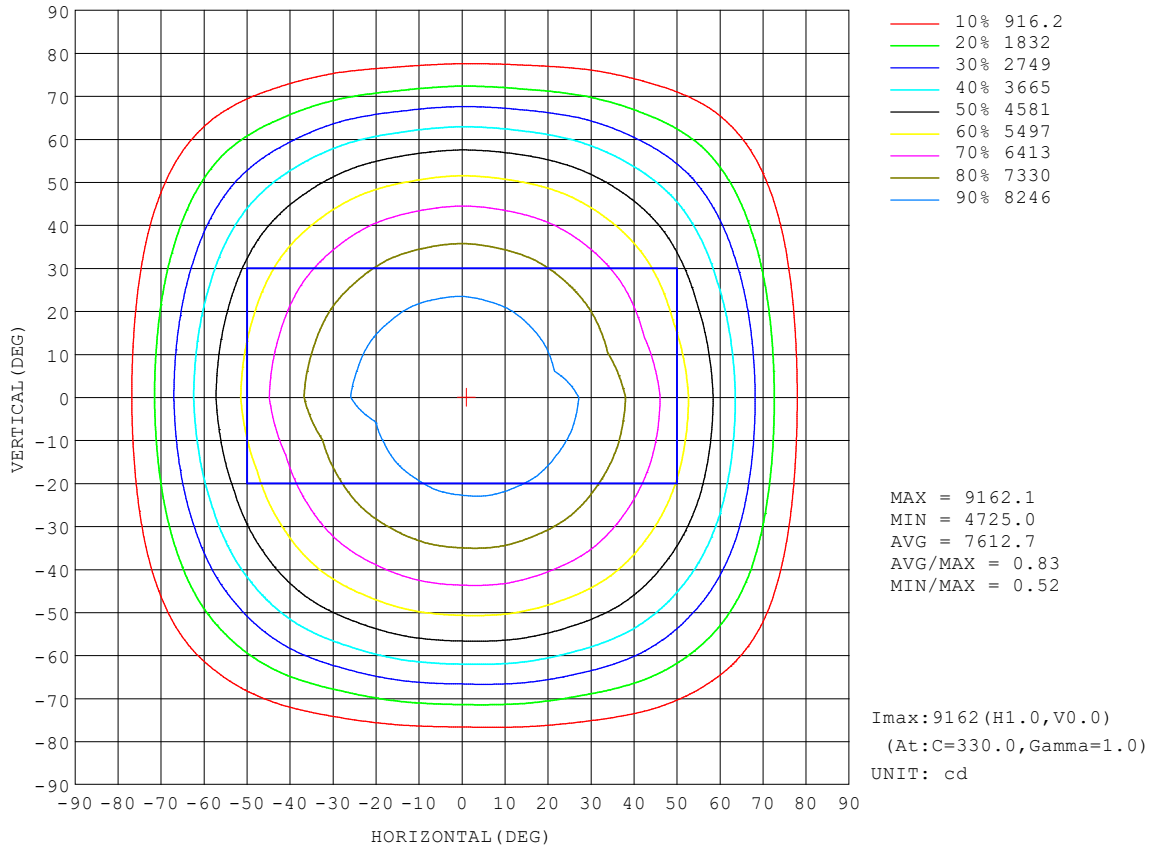
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	55	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	77	66	58	75	65	58	73	66	58	50
1.25	84	73	67	82	73	66	79	71	65	58
1.50	89	79	72	87	78	72	84	76	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	100	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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:12 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:



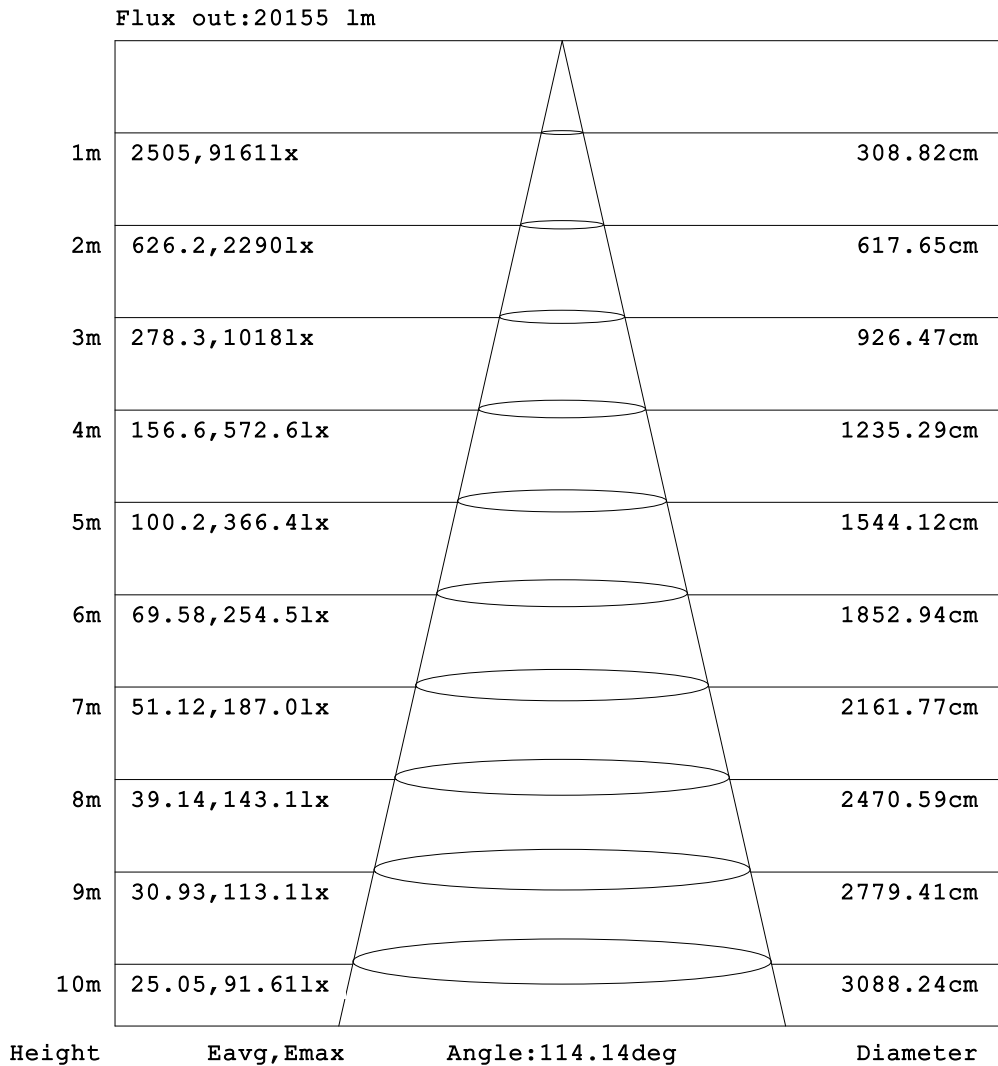
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:



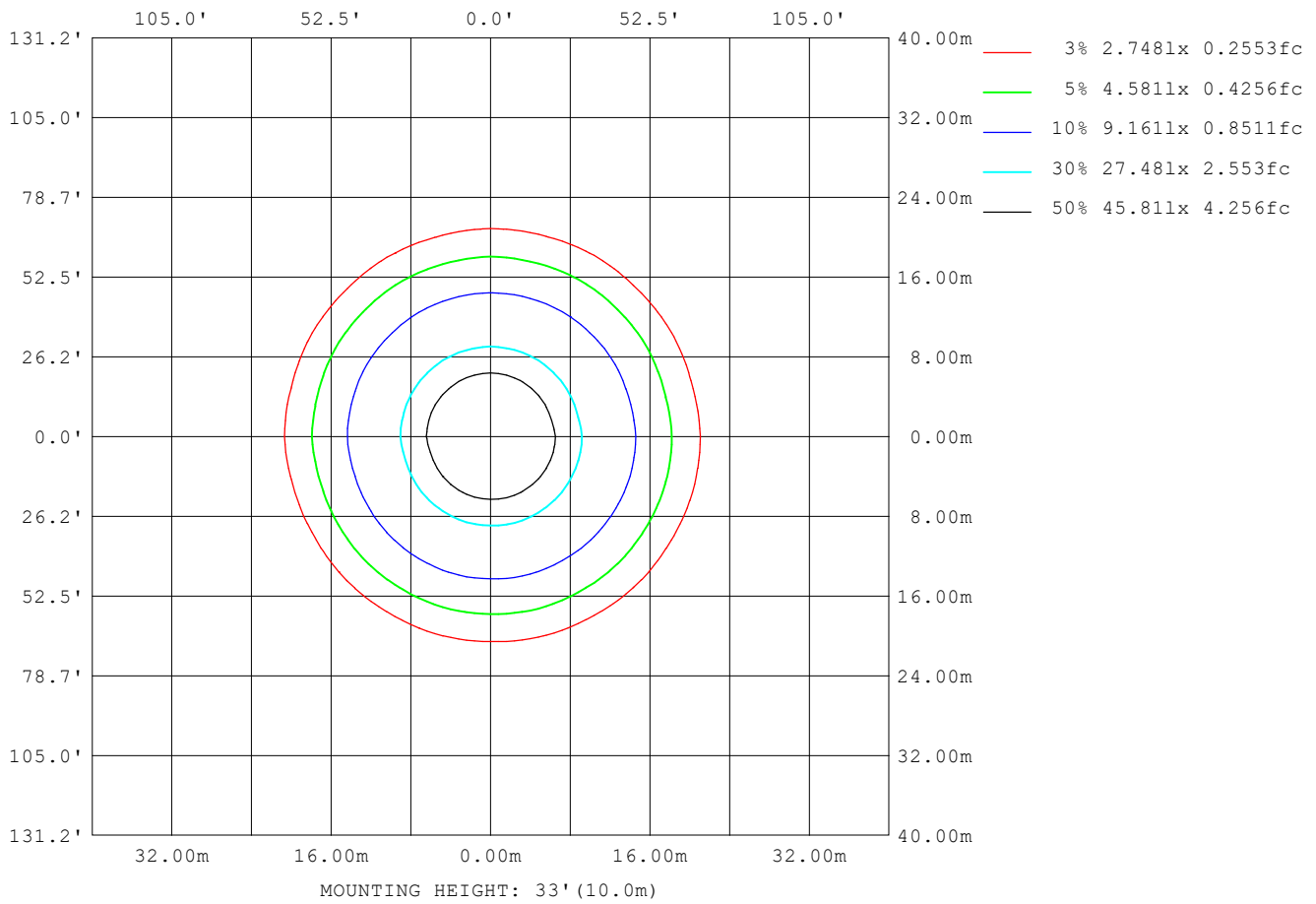
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:

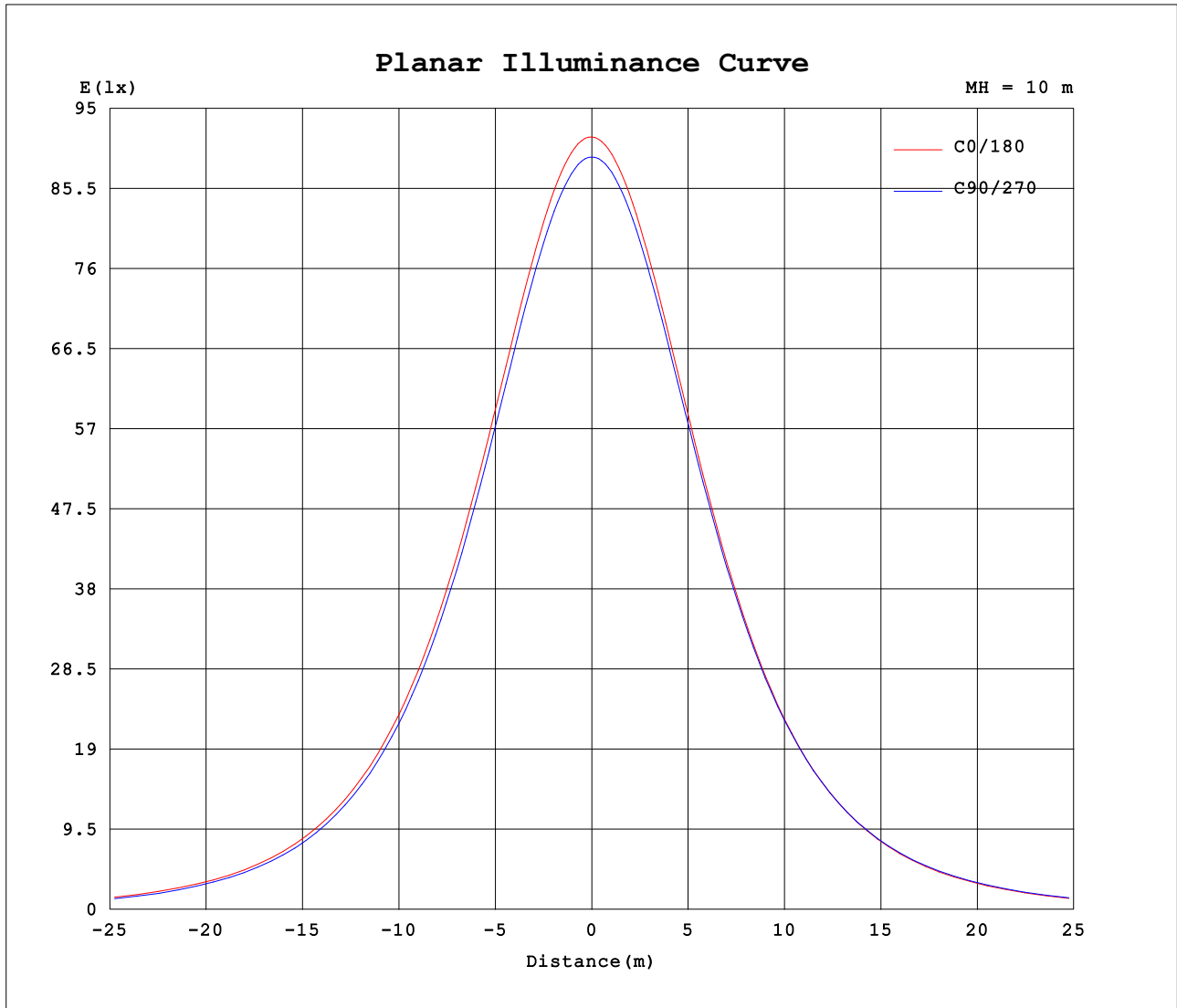
AvgL	cd/m2
L_0~180 (65) av	299623
L_0~180 (75) av	194160
L_0~180 (85) av	42367
L_90~270 (65) av	297971
L_90~270 (75) av	194159
L_90~270 (85) av	37972
L_45 (65) av	298118
L_45 (75) av	194603
L_45 (85) av	41643

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_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: 12 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960	8960
5	8938	8939	8935	8934	8929	8929	8923	8922	8918	8919	8915	8917	8919	8917	8922	8922	8927	8928	8933
10	8847	8849	8841	8840	8831	8828	8818	8816	8809	8810	8805	8808	8812	8807	8818	8815	8827	8827	8837
15	8694	8696	8685	8683	8671	8668	8655	8652	8642	8641	8635	8639	8644	8638	8651	8651	8666	8665	8681
20	8481	8486	8470	8469	8451	8449	8431	8428	8413	8414	8404	8411	8416	8406	8426	8426	8444	8444	8464
25	8205	8212	8191	8194	8169	8169	8142	8143	8120	8125	8110	8122	8124	8118	8139	8139	8162	8163	8185
30	7863	7874	7847	7850	7817	7820	7787	7787	7759	7766	7747	7762	7766	7759	7784	7785	7812	7817	7843
35	7451	7462	7431	7433	7396	7394	7358	7358	7325	7333	7312	7327	7336	7327	7357	7358	7391	7393	7426
40	6966	6977	6943	6944	6902	6899	6857	6854	6818	6826	6802	6819	6833	6819	6859	6859	6899	6899	6942
45	6403	6416	6377	6378	6328	6326	6277	6275	6234	6242	6214	6235	6250	6236	6279	6279	6326	6328	6374
50	5757	5775	5726	5731	5673	5672	5614	5614	5566	5579	5545	5568	5587	5573	5620	5614	5671	5673	5728
55	5029	5047	4996	4999	4935	4931	4868	4865	4813	4826	4788	4815	4839	4817	4877	4866	4935	4929	4999
60	4212	4228	4174	4176	4108	4103	4040	4033	3976	3989	3951	3979	4007	3978	4049	4038	4111	4102	4184
65	3325	3339	3277	3281	3206	3189	3104	3114	3047	3050	2993	3048	3108	3070	3146	3141	3219	3206	3293
70	2304	2333	2261	2250	2168	2175	2111	2091	2022	2050	2019	2041	2077	2066	2146	2117	2197	2202	2283
75	1366	1399	1336	1339	1261	1266	1197	1203	1144	1157	1112	1154	1186	1172	1226	1228	1282	1286	1355
80	586	597	558	556	510	499	448	452	412	424	398	423	455	440	475	476	518	520	571
85	126	111	104	92.9	85.0	75.5	63.0	60.4	49.5	52.4	47.7	51.6	62.0	60.1	71.0	87.1	84.4	94.1	105
90	7.34	7.36	7.43	7.39	7.59	7.62	7.83	7.86	8.06	8.03	8.17	8.06	10.00	10.0	9.77	9.75	9.48	9.45	9.25
95	11.1	11.0	11.3	11.3	11.6	11.6	11.9	11.9	12.2	12.2	12.4	12.2	14.4	14.4	14.1	14.1	13.7	13.7	13.3
100	16.0	16.0	16.3	16.3	16.7	16.7	17.1	17.1	17.4	17.4	17.6	17.4	19.8	19.8	19.5	19.4	19.1	18.9	18.5
105	21.8	21.8	22.1	22.1	22.5	22.6	23.0	23.1	23.4	23.4	23.7	23.5	26.0	26.1	25.7	25.6	25.2	25.1	24.6
110	28.2	28.2	28.5	28.6	29.0	29.1	29.5	29.6	30.0	29.9	30.2	30.0	32.7	32.7	32.4	32.3	31.8	31.7	31.2
115	34.8	34.8	35.1	35.2	35.6	35.7	36.1	36.2	36.6	36.5	36.8	36.6	39.4	39.4	39.0	39.0	38.5	38.5	37.9
120	41.3	41.3	41.6	41.7	42.0	42.1	42.6	42.7	43.0	43.0	43.2	43.1	45.9	45.9	45.6	45.5	45.1	45.0	44.5
125	47.5	47.5	47.7	47.8	48.1	48.3	48.6	48.8	49.0	49.1	49.3	49.2	52.1	52.0	51.8	51.7	51.3	51.2	50.8
130	53.4	53.4	53.6	53.6	53.9	54.1	54.4	54.5	54.8	54.7	55.0	54.8	57.9	57.8	57.6	57.5	57.1	57.0	56.6
135	58.9	58.9	59.0	59.1	59.3	59.5	59.7	59.8	60.0	60.1	60.3	60.1	63.2	63.1	63.0	62.8	62.5	62.4	62.0
140	63.9	64.0	64.1	64.2	64.3	64.5	64.7	64.8	64.9	64.9	65.1	65.0	68.0	67.9	67.8	67.7	67.5	67.3	67.0
145	68.5	68.6	68.6	68.8	68.9	69.0	69.2	69.3	69.3	69.3	69.4	69.4	72.4	72.3	72.3	72.1	71.9	71.7	71.5
150	73.0	73.1	73.1	73.3	73.4	73.5	73.7	73.8	73.8	73.8	73.9	73.9	76.5	76.3	76.4	76.2	76.1	75.9	75.7
155	77.4	77.6	77.6	77.8	77.8	78.0	78.0	78.2	78.2	78.2	78.3	78.3	80.4	80.2	80.2	80.1	80.0	79.8	79.7
160	81.5	81.7	81.7	81.8	81.9	82.0	82.1	82.2	82.2	82.2	82.3	82.3	84.1	84.0	84.0	83.9	83.8	83.7	83.6
165	85.5	85.7	85.6	85.7	85.7	85.9	85.9	86.0	86.0	86.0	86.1	86.1	87.5	87.2	87.4	87.2	87.2	87.1	87.0
170	89.2	89.4	89.3	89.5	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.7	90.4	90.1	90.3	90.1	90.2	90.0	90.1
175	92.2	92.5	92.2	92.5	92.3	92.6	92.4	92.6	92.5	92.6	92.6	92.6	92.8	92.4	92.7	92.4	92.7	92.5	92.6
180	93.6	94.1	93.7	94.1	93.8	94.2	94.0	94.3	94.1	94.3	94.1	94.1	94.1	93.7	94.1	93.8	94.1	93.9	94.2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:242.26V I:0.6509A P:153.68W PF:0.9745 Freq:49.96Hz Lamp Flux:25914.8x1 lm		
NAME: S16282	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 90*90*3.14	Shielding Angle:

Table--2

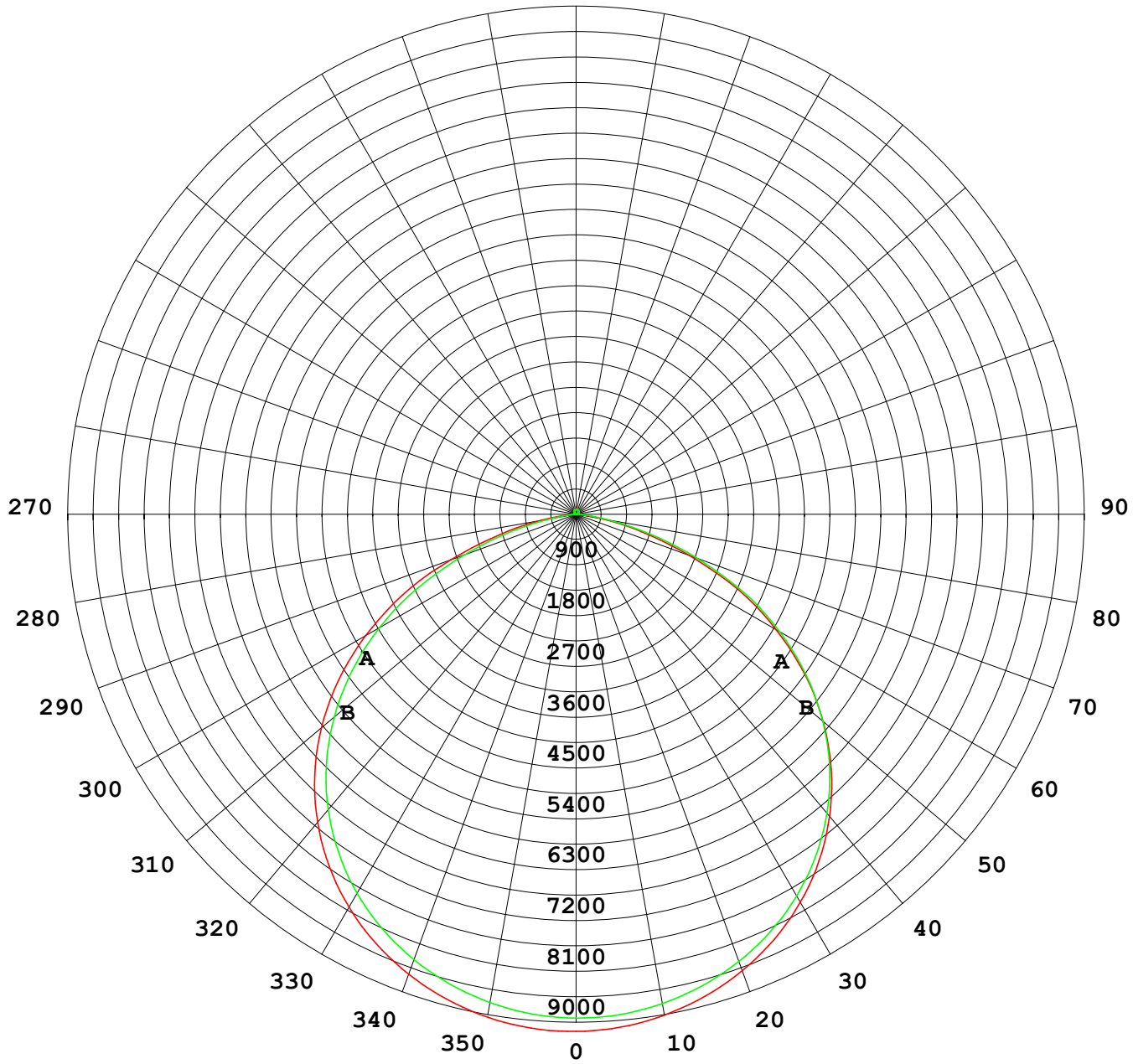
UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	8960	8960	8960	8960	8960														
5	8933	8937	8937	8940	8938														
10	8836	8846	8845	8852	8848														
15	8679	8694	8691	8701	8694														
20	8463	8481	8476	8490	8482														
25	8187	8207	8203	8218	8210														
30	7845	7868	7866	7882	7872														
35	7428	7457	7454	7473	7461														
40	6940	6977	6969	6995	6978														
45	6376	6416	6406	6436	6418														
50	5727	5774	5765	5798	5772														
55	4991	5048	5032	5076	5038														
60	4168	4236	4212	4266	4218														
65	3288	3356	3329	3388	3347														
70	2257	2335	2328	2387	2332														
75	1352	1403	1393	1445	1406														
80	572	618	605	637	608														
85	113	122	136	131	136														
90	9.29	9.40	9.40	9.83	9.41														
95	13.2	12.9	13.0	12.8	13.0														
100	18.5	18.1	18.2	17.9	18.1														
105	24.5	24.1	24.2	23.9	24.1														
110	31.2	30.7	30.8	30.5	30.7														
115	37.9	37.4	37.5	37.2	37.5														
120	44.5	44.1	44.1	43.8	44.0														
125	50.7	50.3	50.3	50.1	50.2														
130	56.5	56.2	56.2	55.9	56.1														
135	62.0	61.6	61.7	61.4	61.6														
140	66.9	66.7	66.6	66.5	66.5														
145	71.4	71.2	71.2	71.0	71.1														
150	75.6	75.5	75.4	75.3	75.3														
155	79.6	79.5	79.4	79.3	79.3														
160	83.5	83.4	83.4	83.2	83.3														
165	86.9	86.9	86.8	86.8	86.7														
170	89.9	90.0	89.8	89.9	89.8														
175	92.5	92.6	92.4	92.5	92.4														
180	94.1	94.3	94.1	94.3	94.0														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:12 January 2022

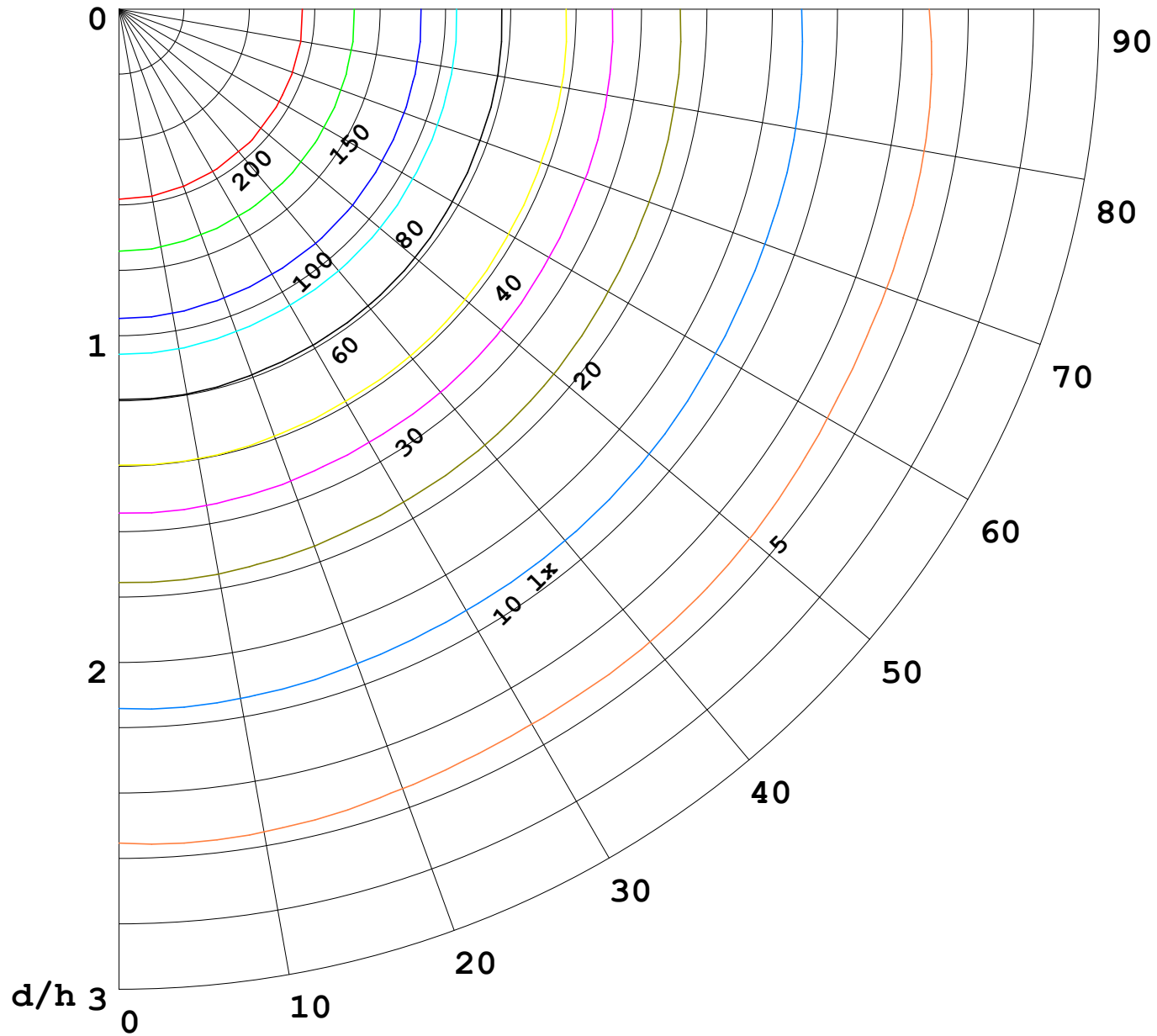
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

I (cd)



1000 lm

$K = 1$





F = 1000 lm  
 K = 0.7  
 Hcc = 0.8 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

