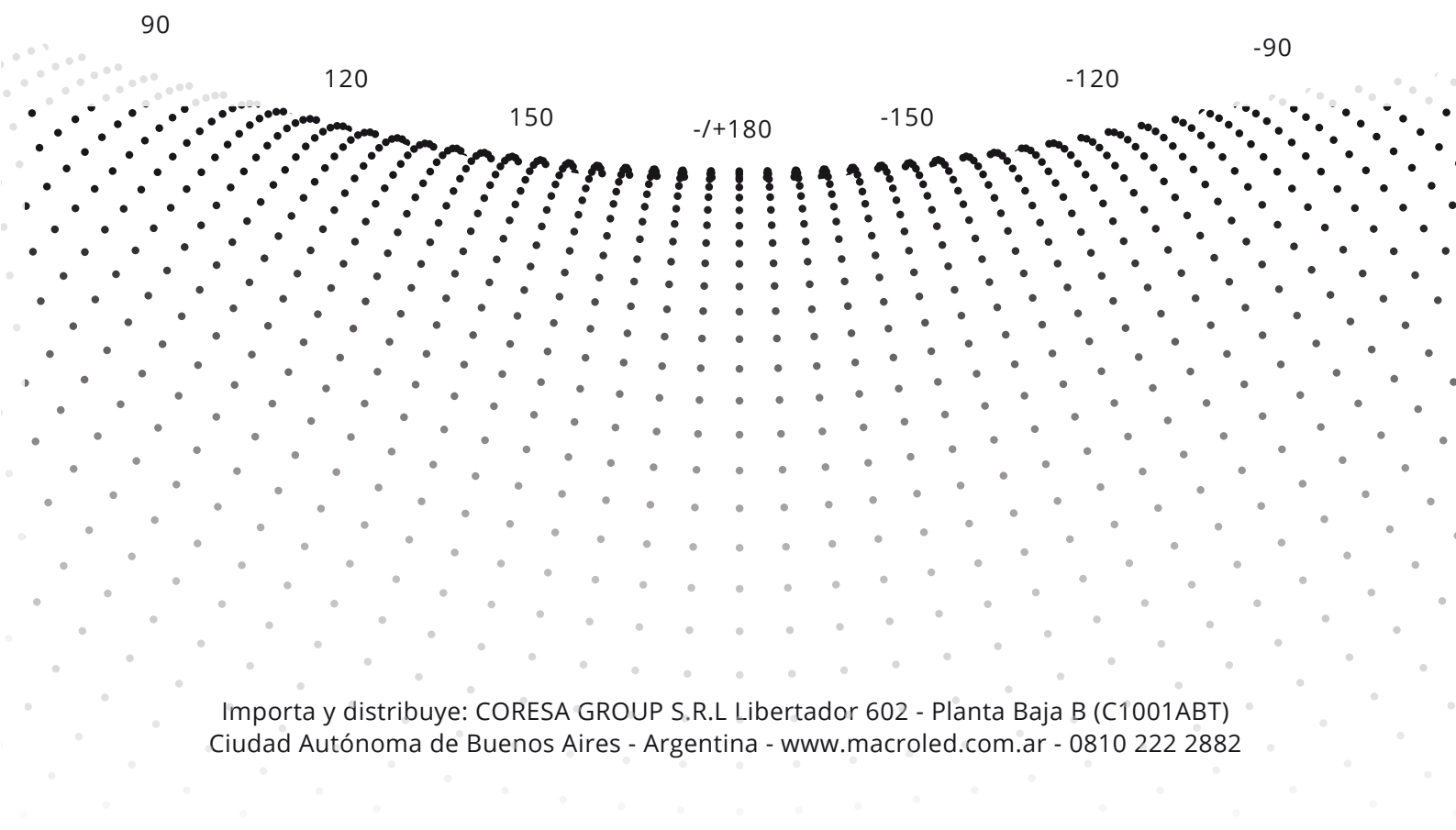


# MACROLED®

## INFORME LUMINOTÉCNICO BULBÓN 12W

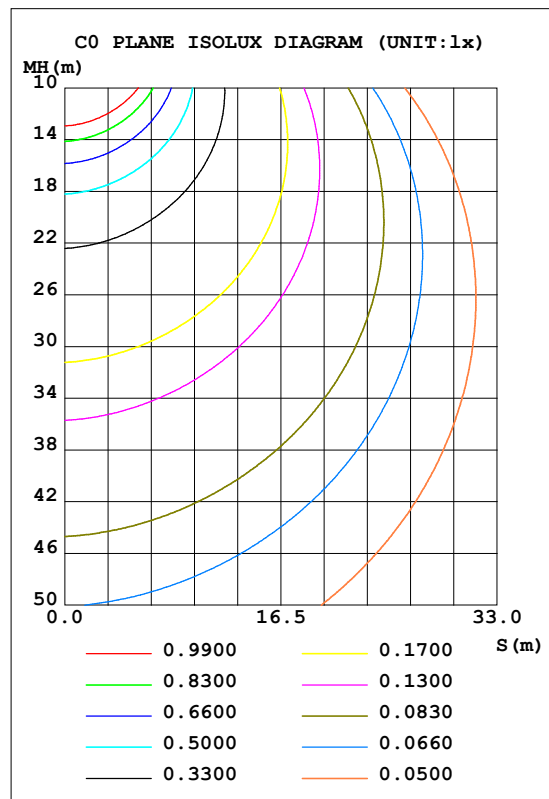
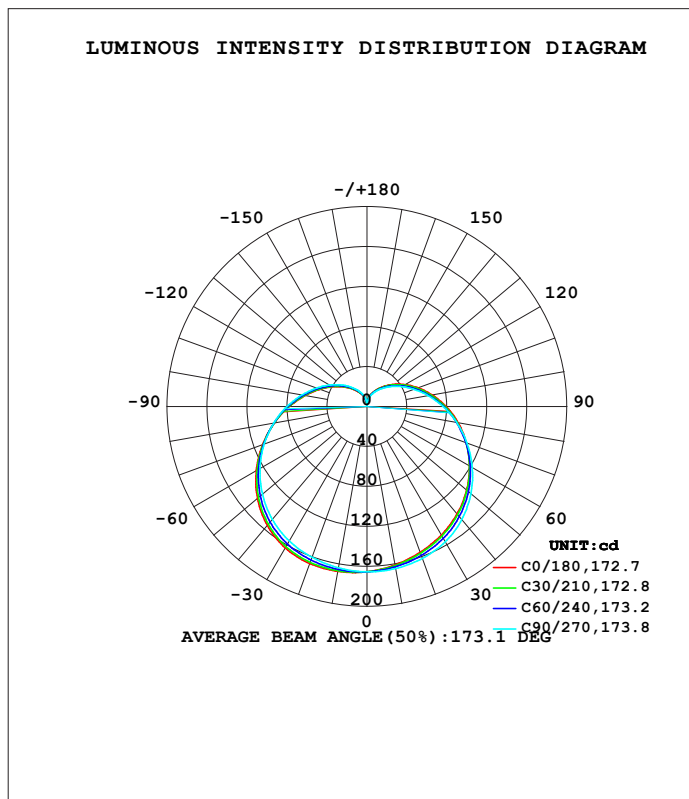


Importa y distribuye: CORESA GROUP S.R.L Libertador 602 - Planta Baja B (C1001ABT)  
Ciudad Autónoma de Buenos Aires - Argentina - [www.macroled.com.ar](http://www.macroled.com.ar) - 0810 222 2882

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	A3-3-KD3 G3	Imax (cd)	167.8	S/MH (C0/180)	1.48
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.42
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1037.7	$\eta$ UP, DN (C0-180)	12.6, 36.8
NOMINAL FLUX (lm)	1037.67	CIE CLASS	SEMI-D.	$\eta$ UP, DN (C180-360)	13.0, 37.6
LAMPS INSIDE	1	$\eta$ up (%)	25.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	74.3	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

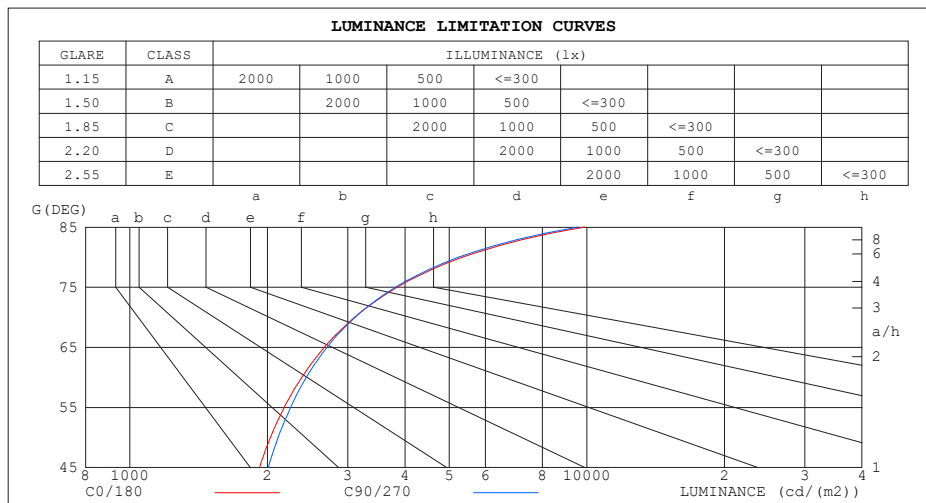
y	C0	C45	C90	C135	C180	C225	C270	C315	y	Φ zone	Φ total	%lum,lamp
10	161.0	162.3	164.7	166.7	167.6	166.2	163.9	161.9	0- 10	15.73	15.73	1.52,1.52
20	155.3	157.5	161.8	165.6	167.3	164.8	160.6	156.9	10- 20	46.13	61.87	5.96,5.96
30	148.6	151.2	156.4	161.2	163.5	160.5	155.4	150.9	20- 30	73.43	135.3	13,13
40	140.3	142.5	147.7	152.6	155.3	152.3	147.4	143.0	30- 40	95.42	230.7	22.2,22.2
50	130.2	131.6	135.8	140.2	143.1	140.5	136.5	133.0	40- 50	110.0	340.7	32.8,32.8
60	118.6	119.0	121.7	125.1	127.9	126.1	123.6	121.3	50- 60	116.3	457.0	44,44
70	105.8	105.3	106.4	108.6	111.1	110.3	109.3	108.2	60- 70	114.6	571.7	55.1,55.1
80	92.54	91.29	91.02	91.93	94.04	94.26	94.62	94.61	70- 80	106.3	678.0	65.3,65.3
90	79.33	77.59	76.24	76.15	77.81	78.75	80.19	81.03	80- 90	93.44	771.4	74.3,74.3
100	66.56	64.55	62.56	61.89	63.15	64.38	66.42	67.89	90-100	77.93	849.4	81.9,81.9
110	54.75	52.70	50.52	49.58	50.51	51.84	54.09	55.79	100-110	61.88	911.3	87.8,87.8
120	44.07	42.20	40.13	39.09	39.80	41.06	43.22	44.90	110-120	46.74	958.0	92.3,92.3
130	34.65	33.06	31.25	30.26	30.77	31.92	33.83	35.31	120-130	33.37	991.4	95.5,95.5
140	26.47	25.23	23.76	22.85	23.22	24.20	25.79	27.01	130-140	22.25	1014	97.7,97.7
150	19.54	18.61	17.45	16.72	16.95	17.77	19.01	19.95	140-150	13.55	1027	99,99
160	13.80	13.15	12.25	11.61	11.73	12.31	13.39	14.05	150-160	7.237	1034	99.7,99.7
170	7.944	7.281	6.309	5.261	4.753	5.919	7.570	8.168	160-170	2.905	1037	100,100
180	1.460	1.459	1.456	1.456	1.463	1.461	1.457	1.454	170-180	0.3590	1038	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-26

y Range: 0 - 180DEG  
y Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity:65.0%  
Test Distance:3.116m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

<b>NAME :</b>	<b>TYPE :</b>	<b>WEIGHT :</b>
<b>SPEC. :</b>	<b>DIM. :</b>	<b>SERIAL No. :01</b>
<b>MFR. :</b>	<b>SUR. :</b>	<b>Shielding Angle:</b>



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9883	9583
80	5343	5239
75	3843	3811
70	3102	3111
65	2663	2700
60	2377	2433
55	2176	2247
50	2030	2112
45	1921	2009

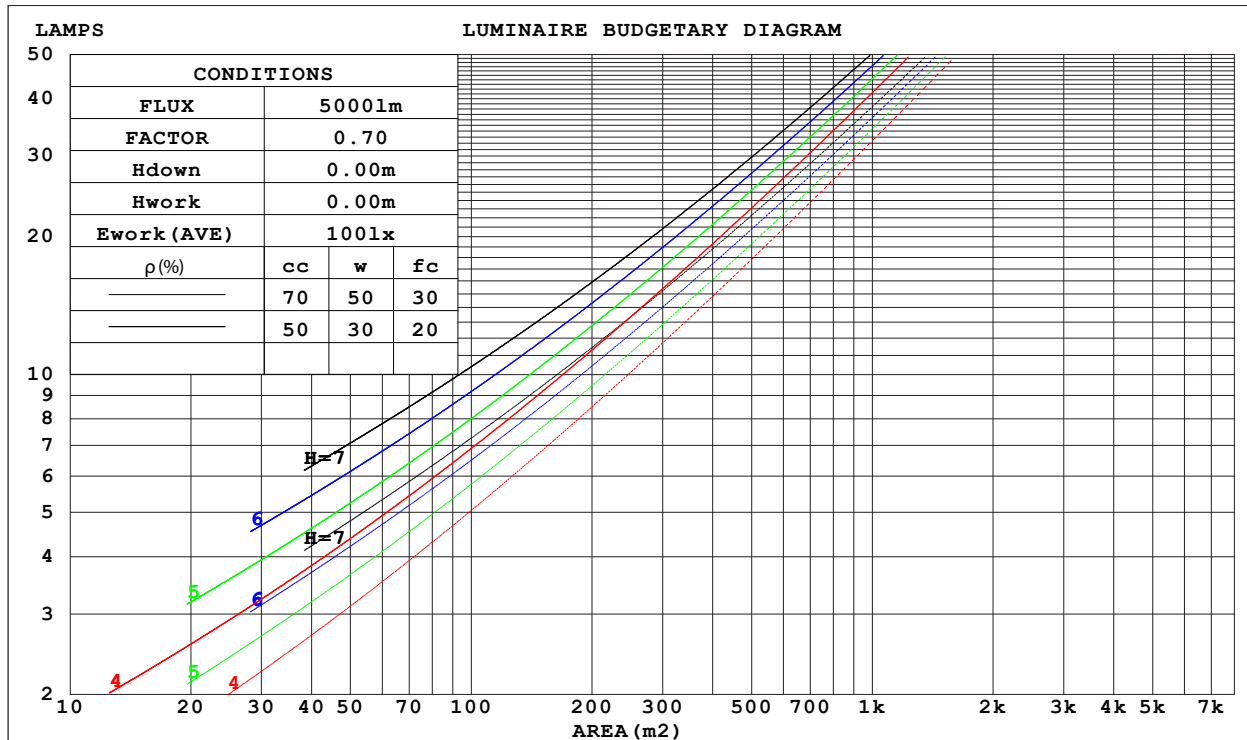
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.13	1.13	1.13	1.07	1.07	1.07	.97	.97	.97	.87	.87	.87	.78	.78	.78	.74
1.0	.93	.87	.82	.88	.83	.78	.79	.75	.71	.70	.67	.64	.63	.60	.58	.54
2.0	.79	.70	.64	.74	.67	.61	.67	.61	.55	.59	.55	.50	.53	.49	.46	.42
3.0	.68	.59	.51	.64	.56	.49	.57	.51	.45	.51	.46	.41	.45	.41	.37	.34
4.0	.59	.50	.42	.56	.47	.41	.50	.43	.37	.45	.39	.34	.40	.35	.31	.28
5.0	.52	.43	.36	.50	.41	.34	.45	.37	.31	.40	.34	.29	.36	.30	.26	.23
6.0	.47	.37	.31	.44	.36	.29	.40	.33	.27	.36	.30	.25	.32	.27	.23	.20
7.0	.42	.33	.26	.40	.32	.26	.36	.29	.24	.32	.26	.22	.29	.24	.20	.17
8.0	.38	.29	.23	.36	.28	.22	.33	.26	.21	.30	.24	.19	.27	.21	.18	.15
9.0	.35	.26	.21	.33	.25	.20	.30	.23	.18	.27	.21	.17	.24	.19	.16	.14
10.0	.32	.24	.18	.30	.23	.18	.28	.21	.17	.25	.19	.15	.23	.18	.14	.12



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.408	.232	.073	.393	.224	.071	.364	.209	.067	.338	.195	.063	.314	.182	.059	
2.0	.346	.190	.058	.332	.183	.056	.307	.171	.053	.283	.159	.050	.261	.148	.047	
3.0	.304	.162	.048	.292	.156	.047	.268	.146	.044	.247	.135	.042	.227	.126	.039	
4.0	.272	.141	.042	.261	.136	.040	.239	.127	.038	.220	.118	.036	.201	.109	.033	
5.0	.246	.125	.036	.236	.121	.035	.216	.113	.033	.198	.105	.031	.182	.097	.029	
6.0	.225	.113	.032	.215	.109	.031	.198	.101	.029	.181	.094	.028	.165	.087	.026	
7.0	.207	.102	.029	.198	.099	.028	.182	.092	.026	.166	.085	.025	.152	.079	.023	
8.0	.191	.093	.026	.183	.090	.026	.168	.084	.024	.154	.078	.023	.141	.072	.021	
9.0	.178	.086	.024	.171	.083	.023	.157	.077	.022	.144	.072	.021	.131	.067	.019	
10.0	.166	.080	.022	.159	.077	.021	.147	.072	.020	.134	.067	.019	.123	.062	.018	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.386	.386	.386	.330	.330	.330	.225	.225	.225	.129	.129	.129	.041	.041	.041	
1.0	.384	.352	.324	.329	.302	.279	.225	.208	.193	.129	.120	.112	.041	.039	.036	
2.0	.378	.330	.290	.324	.284	.251	.222	.197	.175	.128	.114	.102	.041	.037	.033	
3.0	.371	.314	.269	.318	.271	.233	.218	.188	.164	.126	.110	.096	.040	.036	.032	
4.0	.363	.302	.255	.311	.261	.222	.214	.182	.156	.124	.106	.092	.040	.035	.030	
5.0	.355	.292	.246	.305	.253	.214	.210	.177	.151	.122	.104	.090	.039	.034	.030	
6.0	.348	.285	.239	.299	.246	.208	.206	.172	.147	.120	.101	.088	.039	.033	.029	
7.0	.340	.278	.234	.293	.241	.204	.202	.169	.145	.118	.100	.086	.038	.033	.028	
8.0	.334	.273	.231	.287	.236	.201	.199	.166	.143	.116	.098	.085	.037	.032	.028	
9.0	.327	.268	.228	.282	.232	.199	.195	.163	.141	.114	.097	.084	.037	.032	.028	
10.0	.322	.264	.225	.277	.229	.197	.192	.161	.140	.112	.095	.083	.036	.031	.028	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
 Humidity: 65.0%  
 Test Distance: 3.116m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

NAME:		TYPE:					WEIGHT:				
SPEC.:		DIM.:					SERIAL No.:01				
MFR.:		SUR.:					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	13.8	15.1	14.4	15.8	16.5	13.9	15.3	14.5	15.9	16.6
	3H	16.5	17.7	17.1	18.4	19.1	16.6	17.8	17.2	18.4	19.2
	4H	18.0	19.1	18.6	19.8	20.6	18.0	19.2	18.7	19.8	20.6
	6H	19.6	20.7	20.3	21.4	22.2	19.6	20.7	20.3	21.4	22.2
	8H	20.5	21.6	21.2	22.3	23.1	20.5	21.5	21.2	22.2	23.0
	12H	21.6	22.6	22.3	23.3	24.1	21.5	22.5	22.2	23.2	24.0
4H	2H	14.7	15.8	15.3	16.5	17.3	14.8	15.9	15.4	16.6	17.3
	3H	17.5	18.5	18.2	19.2	20.1	17.6	18.6	18.3	19.3	20.1
	4H	19.2	20.1	19.9	20.8	21.7	19.2	20.1	19.9	20.8	21.7
	6H	21.0	21.8	21.7	22.6	23.5	20.9	21.8	21.7	22.5	23.4
	8H	22.0	22.8	22.8	23.5	24.4	21.9	22.7	22.7	23.5	24.4
	12H	23.2	23.9	23.9	24.7	25.6	23.1	23.8	23.8	24.6	25.5
8H	4H	19.8	20.6	20.5	21.3	22.2	19.8	20.6	20.5	21.3	22.2
	6H	21.9	22.5	22.7	23.3	24.3	21.8	22.5	22.6	23.3	24.2
	8H	23.1	23.7	23.9	24.5	25.4	23.0	23.6	23.8	24.4	25.4
	12H	24.5	25.0	25.3	25.8	26.8	24.4	24.9	25.2	25.7	26.7
12H	4H	19.9	20.7	20.7	21.4	22.3	19.9	20.7	20.7	21.4	22.4
	6H	22.1	22.7	22.9	23.5	24.5	22.1	22.7	22.9	23.5	24.5
	8H	23.5	24.0	24.3	24.8	25.8	23.4	23.9	24.2	24.7	25.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 1038 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity:65.0%  
Test Distance:3.116m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.:	SUR.:	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) $k(RI) \times RCR = 5$									
$k = 0.60$	43	30	23	42	30	23	40	29	22	15
0.80	52	38	30	50	37	29	47	36	28	20
1.00	59	45	36	57	44	36	53	44	34	25
1.25	66	52	43	63	51	42	58	48	40	29
1.50	71	58	49	68	56	47	63	52	45	33
2.00	79	67	58	76	64	56	69	60	53	39
2.50	84	73	64	80	70	62	73	65	58	43
3.00	88	78	69	84	74	67	76	68	62	47
4.00	93	84	77	88	80	74	80	74	68	51
5.00	96	88	82	91	84	78	83	77	72	54
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.00			

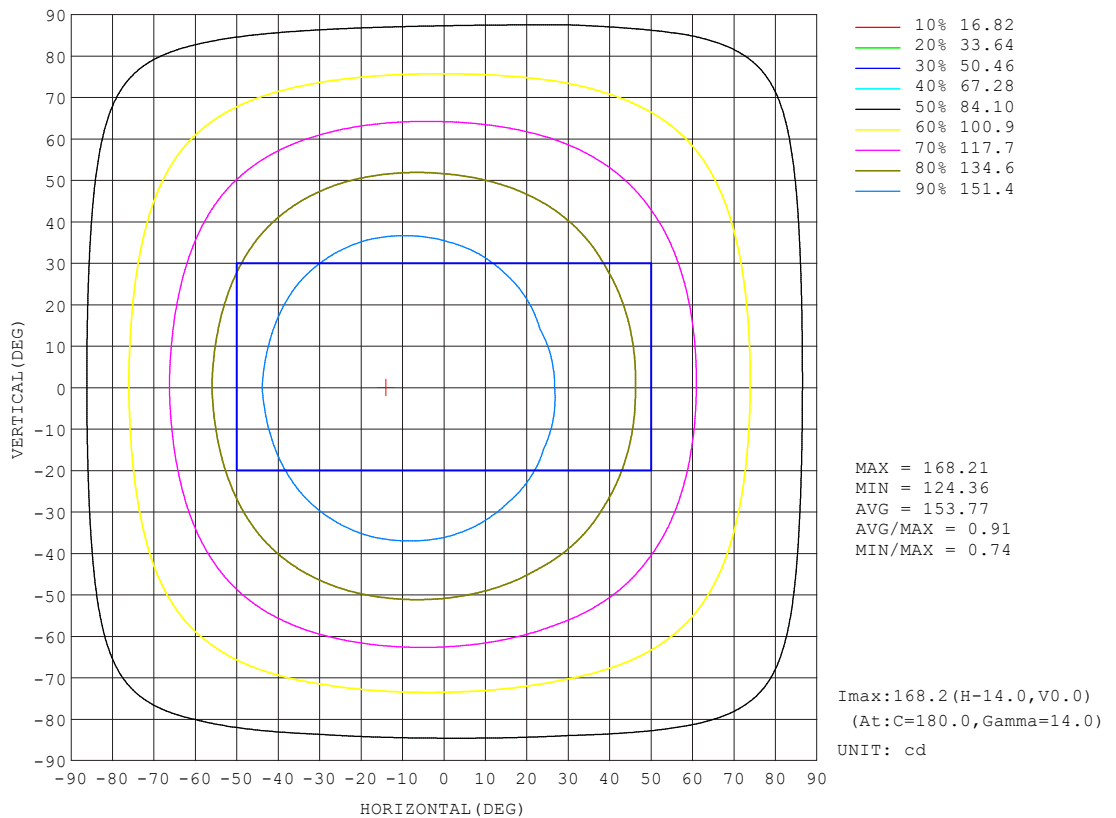
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks:



## ISOCANDELA DIAGRAM

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :01
MFR. :	SUR. :	Shielding Angle:



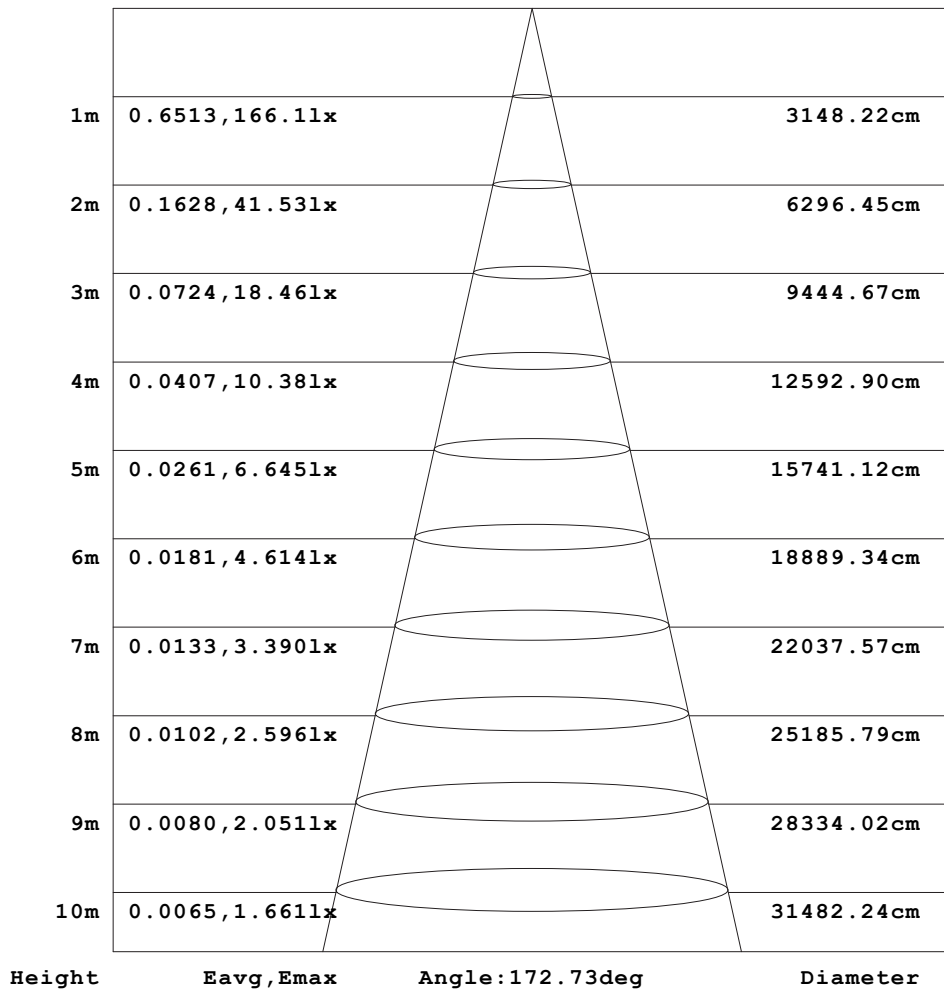
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity:65.0%  
Test Distance:3.116m [K=1.0000]  
Remarks:

## AAI Figure

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. : 01
MFR. :	SUR. :	Shielding Angle :

Flux out: 745.0 lm



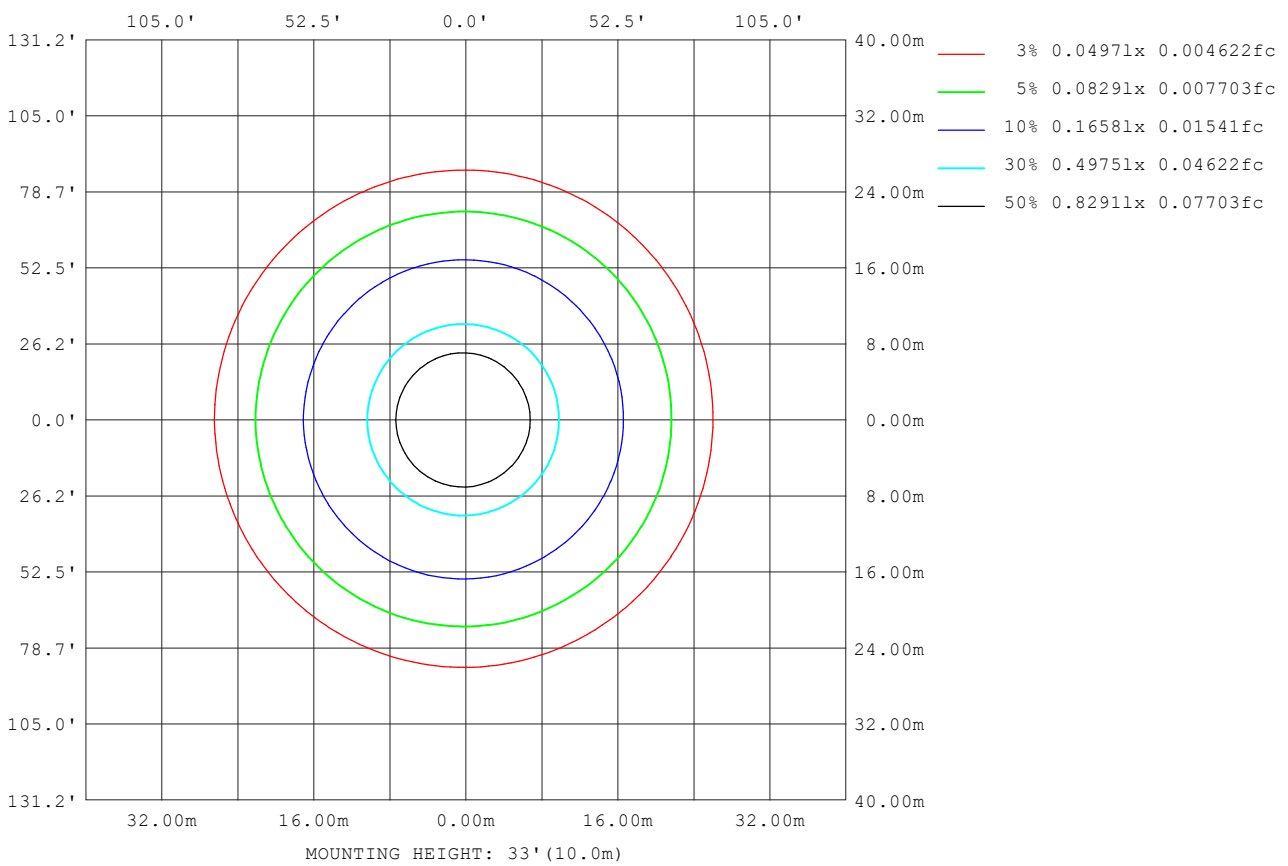
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

<b>NAME :</b>	<b>TYPE :</b>	<b>WEIGHT :</b>
<b>SPEC. :</b>	<b>DIM. :</b>	<b>SERIAL No. :01</b>
<b>MFR. :</b>	<b>SUR. :</b>	<b>Shielding Angle:</b>



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks:

## LED Avg.L Report

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :01
MFR. :	SUR. :	Shielding Angle:

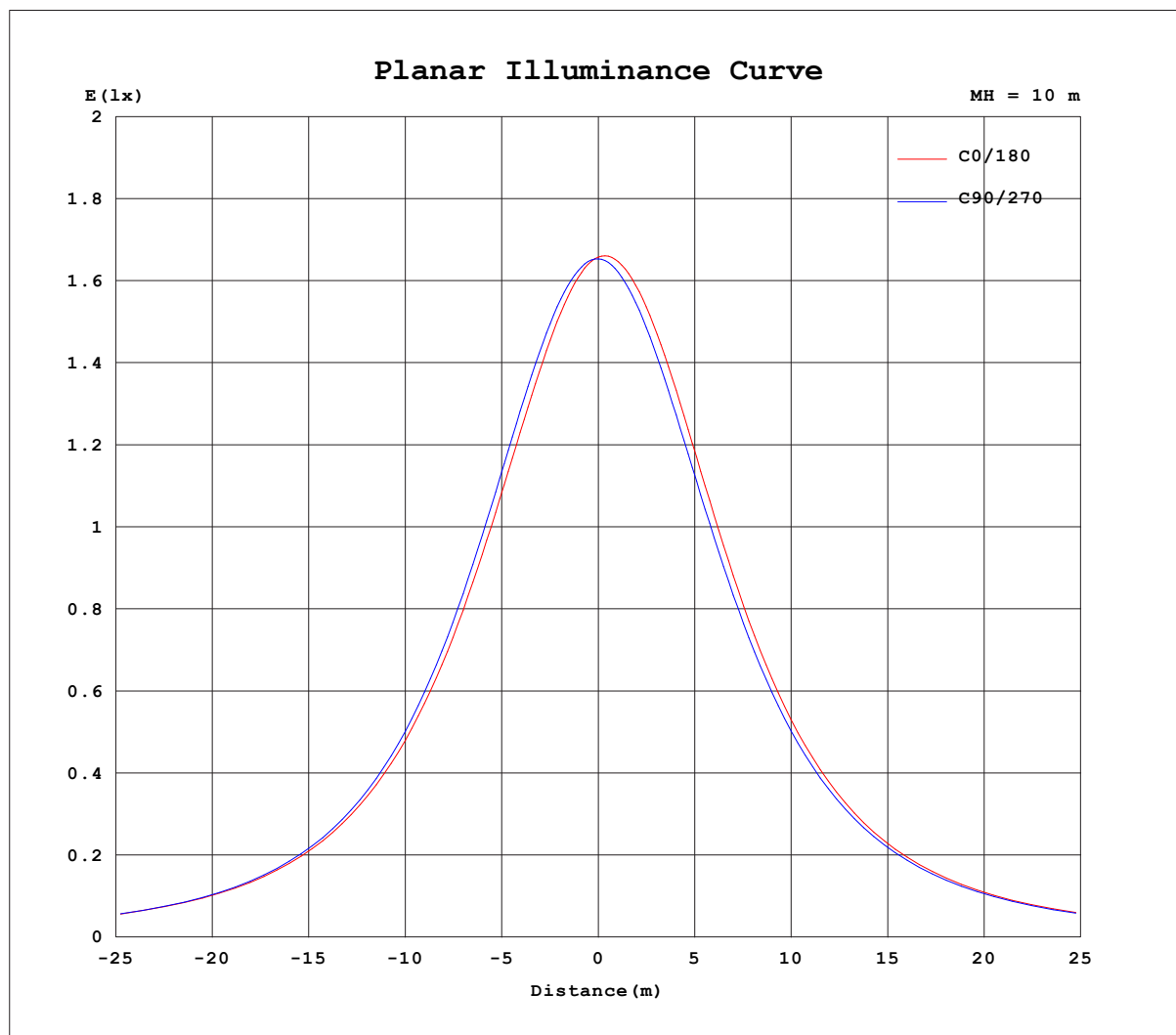
AvgL	cd/m2
L_0~180 (65) av	2743
L_0~180 (75) av	3897
L_0~180 (85) av	9855
L_90~270 (65) av	2730
L_90~270 (75) av	3877
L_90~270 (85) av	9806
L_45 (65) av	2735
L_45 (75) av	3885
L_45 (85) av	9824

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-10-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity:65.0%  
Test Distance:3.116m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :01
MFR. :	SUR. :	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	165	165	165	165	165	165	165	165	165	165	165	165						
5	163	164	164	165	166	167	167	166	166	165	164	164						
10	161	162	163	165	166	167	168	167	166	164	162	161						
15	158	159	161	164	166	167	168	167	165	162	160	159						
20	155	156	159	162	165	167	167	166	164	161	158	156						
25	152	153	156	160	163	165	166	164	162	158	155	153						
30	149	150	153	156	160	162	163	162	159	155	152	150						
35	145	146	149	153	156	159	160	158	155	152	149	146						
40	140	141	144	148	151	154	155	154	151	147	144	142						
45	135	136	138	142	145	148	150	148	146	142	140	137						
50	130	131	133	136	139	142	143	142	139	137	134	132						
55	125	125	126	129	132	134	136	135	133	130	128	126						
60	119	119	119	122	124	126	128	127	125	124	122	120						
65	112	112	112	114	116	118	120	119	118	117	116	114						
70	106	105	105	106	108	109	111	111	110	109	109	108						
75	99.2	98.5	98.0	98.7	99.5	101	102	102	102	102	102	101						
80	92.5	91.7	90.9	91.0	91.3	92.5	94.0	94.1	94.4	94.6	95.0	94.2						
85	85.9	84.9	83.8	83.6	83.5	84.4	85.9	86.1	86.7	87.4	88.1	87.5						
90	79.3	78.3	76.9	76.2	75.8	76.5	77.8	78.3	79.2	80.2	81.2	80.8						
95	72.8	71.7	70.1	69.2	68.5	69.0	70.2	70.8	71.9	73.1	74.4	74.3						
100	66.6	65.4	63.7	62.6	61.7	62.0	63.1	63.7	65.0	66.4	67.9	67.9						
105	60.5	59.4	57.6	56.4	55.4	55.6	56.6	57.2	58.6	60.1	61.6	61.7						
110	54.7	53.6	51.8	50.5	49.5	49.6	50.5	51.2	52.5	54.1	55.7	55.9						
115	49.2	48.1	46.4	45.1	44.1	44.1	44.9	45.5	46.9	48.5	50.1	50.3						
120	44.1	43.0	41.4	40.1	39.1	39.0	39.8	40.4	41.7	43.2	44.8	45.0						
125	39.2	38.2	36.7	35.5	34.5	34.4	35.1	35.7	36.9	38.3	39.8	40.1						
130	34.7	33.8	32.4	31.2	30.3	30.2	30.8	31.3	32.5	33.8	35.2	35.5						
135	30.4	29.6	28.3	27.3	26.5	26.3	26.8	27.3	28.4	29.6	30.9	31.1						
140	26.5	25.8	24.7	23.8	22.9	22.8	23.2	23.7	24.7	25.8	26.9	27.1						
145	22.8	22.3	21.3	20.5	19.7	19.5	19.9	20.4	21.3	22.2	23.2	23.4						
150	19.5	19.0	18.2	17.5	16.8	16.6	17.0	17.4	18.2	19.0	19.8	20.1						
155	16.5	16.1	15.4	14.8	14.2	14.0	14.3	14.7	15.3	16.1	16.8	17.0						
160	13.8	13.4	12.9	12.2	11.7	11.5	11.7	12.1	12.5	13.4	14.0	14.2						
165	11.0	10.7	10.2	9.57	8.98	8.80	9.00	9.36	9.55	10.6	11.1	11.4						
170	7.94	7.59	6.97	6.31	5.20	5.32	4.75	5.26	6.58	7.57	7.99	8.34						
175	2.38	1.63	1.41	1.40	1.39	1.38	1.37	1.38	1.38	1.92	3.23	3.54						
180	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.45						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.405.8  
Humidity: 65.0%  
Test Distance: 3.116m [K=1.0000]  
Remarks: