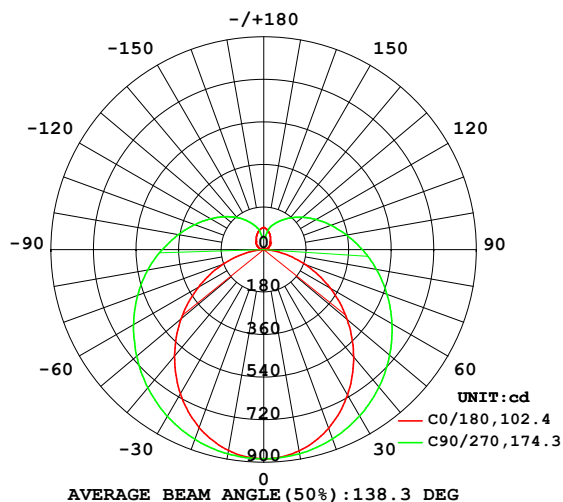


## LUMINAIRE PHOTOMETRIC TEST REPORT

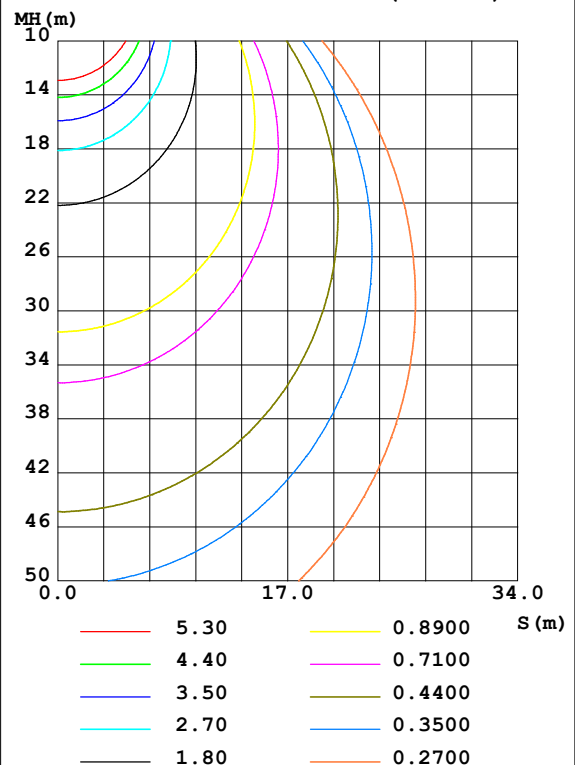
Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.50 lm/W			
LED MODULE	1300lm 940 HV ADV5	Imax(cd)	885.6	S/MH(C0/180)	1.19
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.38
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	4190.9	$\eta$ UP,DN(C0-180)	11.4,38.3
NOMINAL FLUX(lm)	4190.94	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	11.7,38.6
LAMPS INSIDE	1	$\eta$ up(%)	23.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	$\eta$ down(%)	76.9	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [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	864.7	870.8	876.9	869.6	862.7	870.6	877.4	871.6	0- 10	83.79	83.79	2,2
20	803.7	828.3	852.4	826.1	800.9	827.6	853.8	829.5	10- 20	240.7	324.4	7.74,7.74
30	709.5	762.3	812.1	759.7	705.3	761.9	815.2	764.5	20- 30	367.6	692.1	16.5,16.5
40	592.5	679.3	759.0	676.3	587.5	679.5	763.0	682.5	30- 40	451.5	1144	27.3,27.3
50	461.2	587.1	695.5	584.0	456.7	589.3	702.0	591.8	40- 50	487.7	1631	38.9,38.9
60	324.7	493.8	626.3	491.4	320.2	498.2	636.4	500.3	50- 60	479.4	2111	50.4,50.4
70	189.1	407.4	555.3	405.4	185.2	414.5	568.0	415.8	60- 70	436.2	2547	60.8,60.8
80	67.83	333.1	484.4	332.1	64.92	341.1	498.2	341.9	70- 80	372.0	2919	69.6,69.6
90	1.414	272.5	417.5	272.0	1.496	279.8	430.1	280.1	80- 90	303.8	3223	76.9,76.9
100	5.824	225.7	357.0	226.2	9.978	231.6	367.2	231.8	90-100	249.2	3472	82.8,82.8
110	16.75	190.4	303.1	191.4	21.60	188.7	311.0	195.6	100-110	204.7	3677	87.7,87.7
120	27.02	163.5	255.9	141.6	32.87	143.9	261.2	167.8	110-120	163.7	3840	91.6,91.6
130	36.31	142.3	213.6	108.8	42.40	109.6	217.0	145.4	120-130	125.5	3966	94.6,94.6
140	43.92	124.2	175.5	86.59	49.89	86.20	177.5	125.3	130-140	91.23	4057	96.8,96.8
150	58.95	108.1	141.2	68.63	62.92	67.55	140.4	107.9	140-150	62.53	4120	98.3,98.3
160	73.30	94.32	110.5	65.41	76.40	64.21	107.2	91.29	150-160	40.51	4160	99.3,99.3
170	85.83	92.55	66.69	76.94	87.60	77.71	66.22	85.32	160-170	23.04	4183	99.8,99.8
180	94.74	92.65	52.51	89.43	94.74	92.64	52.54	89.39	170-180	7.781	4191	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1385.9 lm

%lum = 33.1%

%lamp = 33.1%

Conical surface Flux(120deg): 2110.7 lm

%lum = 50.4%

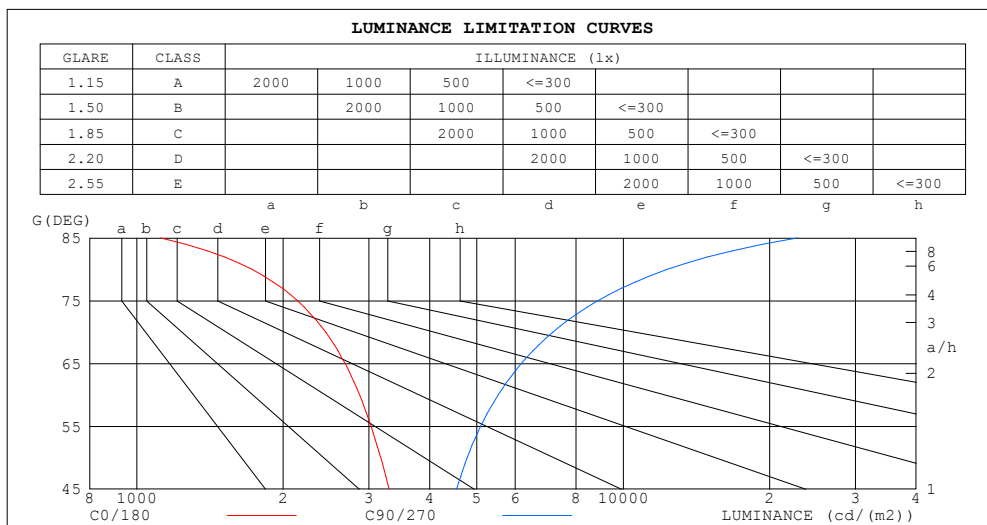
%lamp = 50.4%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JEFF  
 Test Date:12 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:7.890m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1122	22797
80	1727	12315
75	2140	8864
70	2444	7168
65	2681	6173
60	2870	5530
55	3030	5090
50	3171	4777
45	3299	4546

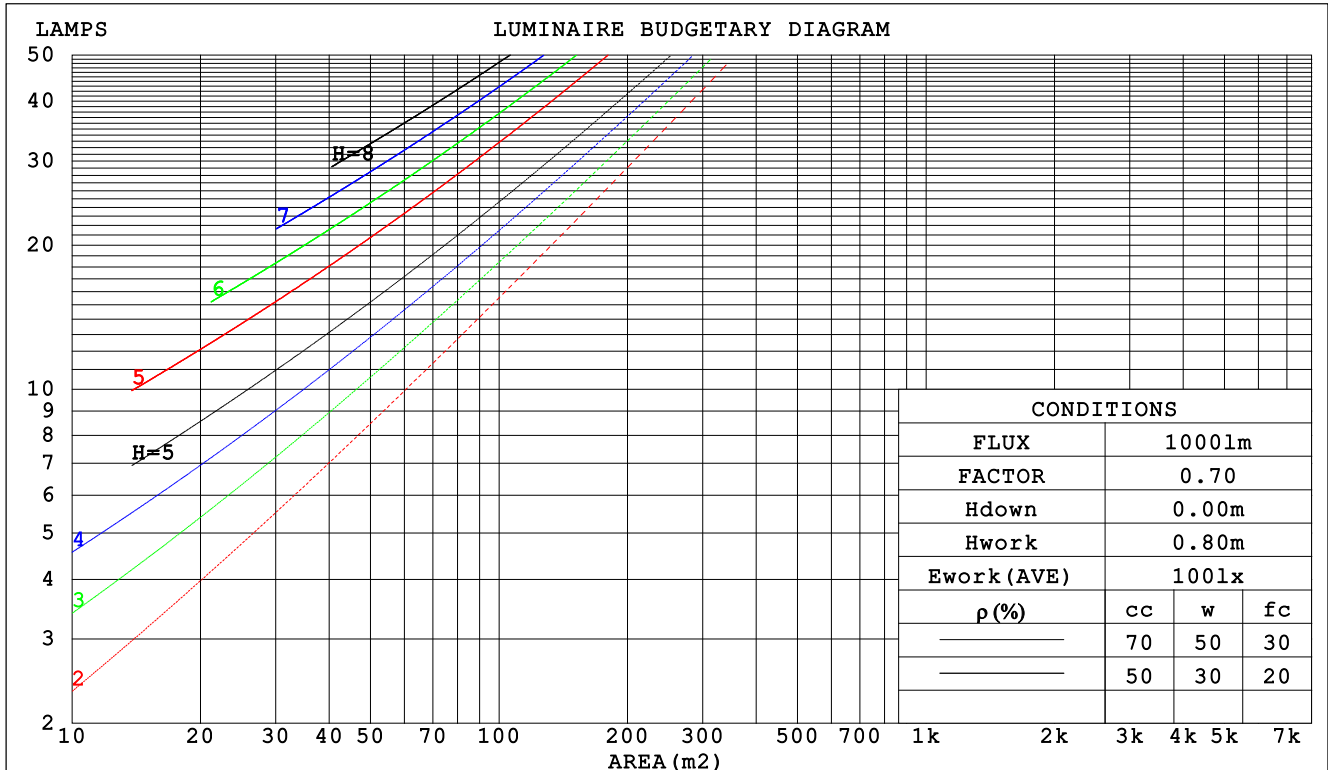
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	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	1.14	1.14	1.14	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.95	.89	.85	.90	.85	.81	.82	.78	.74	.74	.71	.68	.66	.64	.62	.58
2.0	.81	.73	.67	.77	.70	.64	.70	.64	.59	.63	.59	.55	.57	.53	.50	.46
3.0	.70	.62	.55	.67	.59	.53	.61	.54	.49	.55	.50	.45	.49	.45	.41	.38
4.0	.62	.53	.46	.59	.51	.44	.54	.46	.41	.48	.43	.38	.44	.39	.35	.32
5.0	.55	.46	.39	.52	.44	.37	.48	.40	.35	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.39	.32	.43	.36	.30	.39	.33	.28	.35	.30	.26	.24
7.0	.44	.36	.29	.43	.34	.28	.39	.32	.27	.35	.29	.25	.32	.27	.23	.21
8.0	.40	.32	.26	.39	.31	.25	.35	.29	.24	.32	.26	.22	.30	.24	.21	.18
9.0	.37	.29	.23	.35	.28	.22	.33	.26	.21	.30	.24	.20	.27	.22	.18	.16
10.0	.34	.26	.21	.33	.25	.20	.30	.24	.19	.28	.22	.18	.25	.20	.17	.15



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**WEC AND CCEC**

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.378	.215	.068	.364	.208	.066	.338	.194	.062	.313	.181	.058	.290	.168	.054		
2.0	.327	.179	.055	.314	.173	.053	.290	.161	.050	.268	.150	.047	.247	.140	.044		
3.0	.291	.155	.046	.279	.150	.045	.257	.139	.042	.237	.130	.040	.218	.121	.037		
4.0	.262	.136	.040	.251	.132	.039	.232	.123	.037	.213	.114	.035	.196	.106	.032		
5.0	.238	.121	.035	.229	.117	.034	.211	.110	.032	.194	.102	.030	.178	.095	.029		
6.0	.219	.110	.031	.210	.106	.031	.193	.099	.029	.178	.092	.027	.163	.086	.026		
7.0	.202	.100	.028	.194	.096	.028	.178	.090	.026	.164	.084	.024	.151	.078	.023		
8.0	.187	.091	.026	.180	.089	.025	.166	.083	.024	.153	.077	.022	.140	.072	.021		
9.0	.175	.084	.024	.168	.082	.023	.155	.077	.022	.143	.071	.020	.131	.067	.019		
10.0	.163	.078	.022	.157	.076	.021	.145	.071	.020	.134	.066	.019	.123	.062	.018		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.366	.366	.366	.313	.313	.313	.214	.214	.214	.123	.123	.123	.039	.039	.039	
1.0	.363	.333	.306	.310	.286	.264	.212	.197	.182	.122	.114	.106	.039	.037	.034	
2.0	.356	.310	.272	.305	.267	.235	.209	.185	.164	.120	.108	.096	.039	.035	.031	
3.0	.348	.294	.251	.298	.254	.218	.205	.176	.153	.118	.103	.090	.038	.033	.029	
4.0	.340	.282	.237	.292	.243	.206	.201	.170	.145	.116	.099	.086	.037	.032	.028	
5.0	.333	.272	.227	.286	.235	.197	.197	.164	.139	.114	.097	.083	.037	.031	.027	
6.0	.326	.264	.220	.280	.229	.192	.193	.160	.136	.112	.094	.081	.036	.031	.027	
7.0	.319	.258	.215	.274	.223	.187	.189	.157	.133	.110	.092	.079	.036	.030	.026	
8.0	.312	.252	.211	.269	.219	.184	.186	.153	.130	.108	.091	.078	.035	.030	.026	
9.0	.306	.247	.208	.263	.215	.181	.183	.151	.129	.106	.089	.077	.034	.029	.025	
10.0	.300	.243	.205	.259	.211	.179	.179	.149	.127	.105	.088	.076	.034	.029	.025	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm										
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90 YPE:LED							WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:1		
MFR.: DARKON					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	14.9	16.2	15.4	16.7	17.4	17.5	18.8	18.1	19.4	20.1
3H	16.2	17.4	16.8	18.0	18.7	20.2	21.4	20.8	22.0	22.7
4H	16.8	17.9	17.4	18.5	19.3	21.8	22.9	22.4	23.5	24.2
6H	17.1	18.2	17.8	18.8	19.6	23.4	24.5	24.1	25.1	25.9
8H	17.2	18.3	17.9	18.9	19.7	24.4	25.4	25.0	26.1	26.8
12H	17.3	18.3	17.9	18.9	19.7	25.5	26.5	26.1	27.1	27.9
4H 2H	16.1	17.2	16.7	17.8	18.6	18.0	19.1	18.6	19.8	20.5
3H	17.7	18.7	18.4	19.4	20.2	21.0	22.0	21.6	22.6	23.4
4H	18.5	19.4	19.2	20.1	20.9	22.7	23.6	23.4	24.3	25.1
6H	19.1	19.9	19.8	20.6	21.4	24.6	25.4	25.3	26.2	27.0
8H	19.3	20.0	20.0	20.7	21.6	25.7	26.5	26.4	27.2	28.0
12H	19.4	20.1	20.1	20.8	21.7	26.9	27.6	27.7	28.4	29.2
8H 4H	19.7	20.5	20.4	21.2	22.1	23.0	23.8	23.7	24.5	25.3
6H	20.7	21.4	21.5	22.1	23.0	25.2	25.9	26.0	26.6	27.5
8H	21.1	21.7	21.9	22.5	23.4	26.5	27.1	27.3	27.9	28.8
12H	21.5	22.0	22.3	22.8	23.7	28.0	28.6	28.8	29.3	30.3
12H 4H	20.1	20.8	20.9	21.6	22.4	23.0	23.7	23.8	24.5	25.3
6H	21.4	22.0	22.2	22.7	23.7	25.4	25.9	26.1	26.7	27.6
8H	22.0	22.5	22.8	23.3	24.3	26.8	27.3	27.5	28.0	29.0
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	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4191 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.0)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

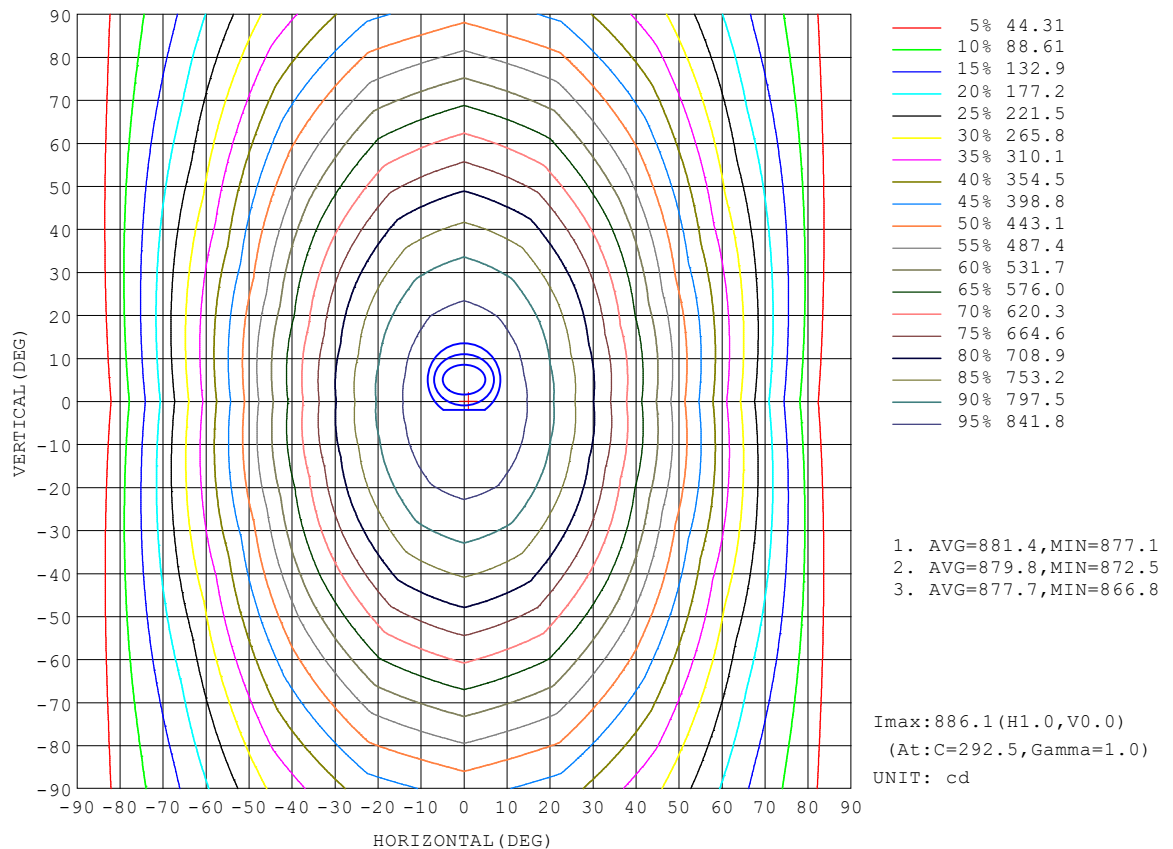
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	27	46	34	27	43	33	27	20
0.80	56	43	35	54	42	35	51	40	34	25
1.00	64	51	42	61	49	42	57	49	40	31
1.25	70	58	49	68	56	48	63	53	46	36
1.50	76	63	55	73	61	53	67	58	51	40
2.00	83	72	63	79	69	62	73	65	58	46
2.50	87	77	69	83	74	67	76	69	63	49
3.00	91	82	74	87	79	72	79	73	67	53
4.00	96	88	81	91	84	78	83	78	73	57
5.00	99	92	86	94	88	83	86	81	77	60
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



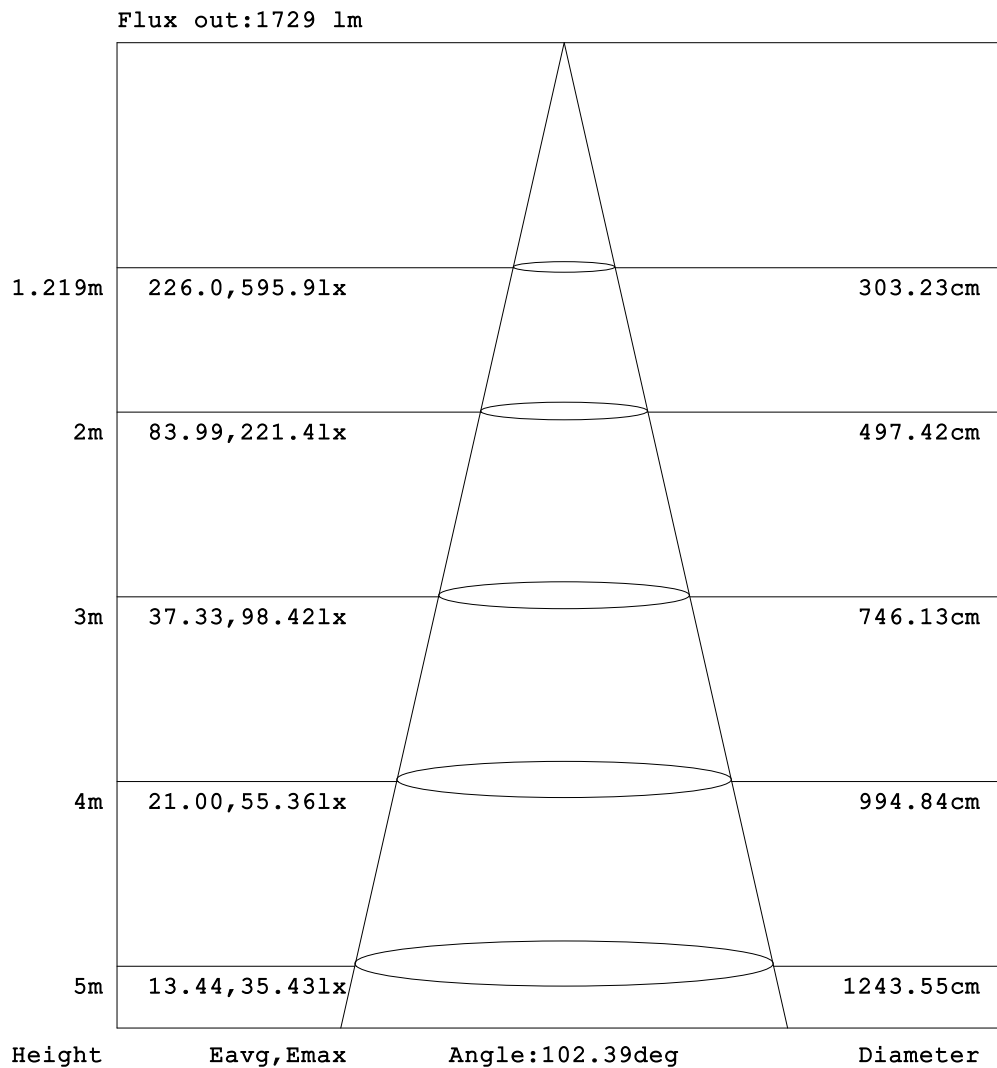
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



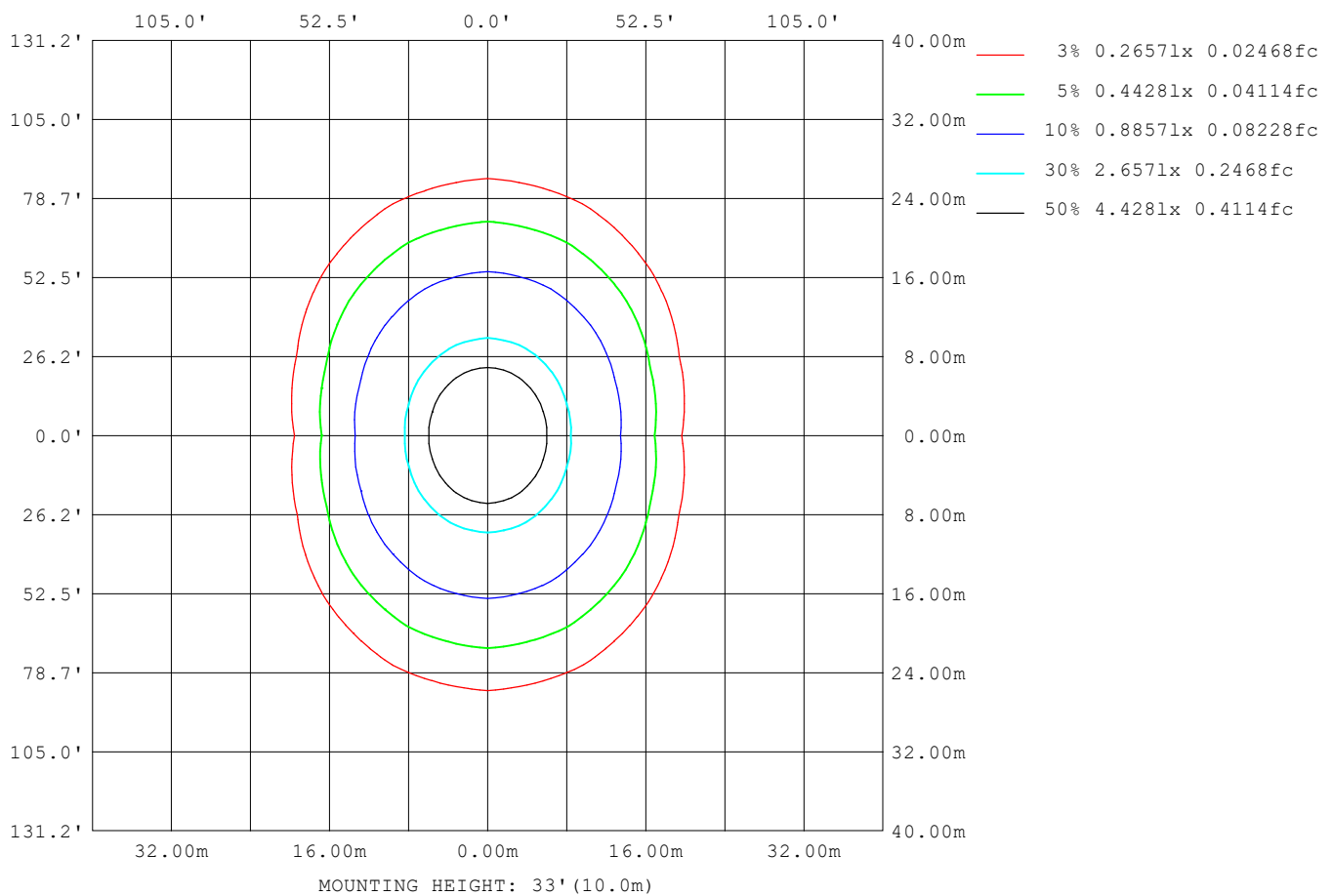
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JEFF  
Test Date: 12 January 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 7.890m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

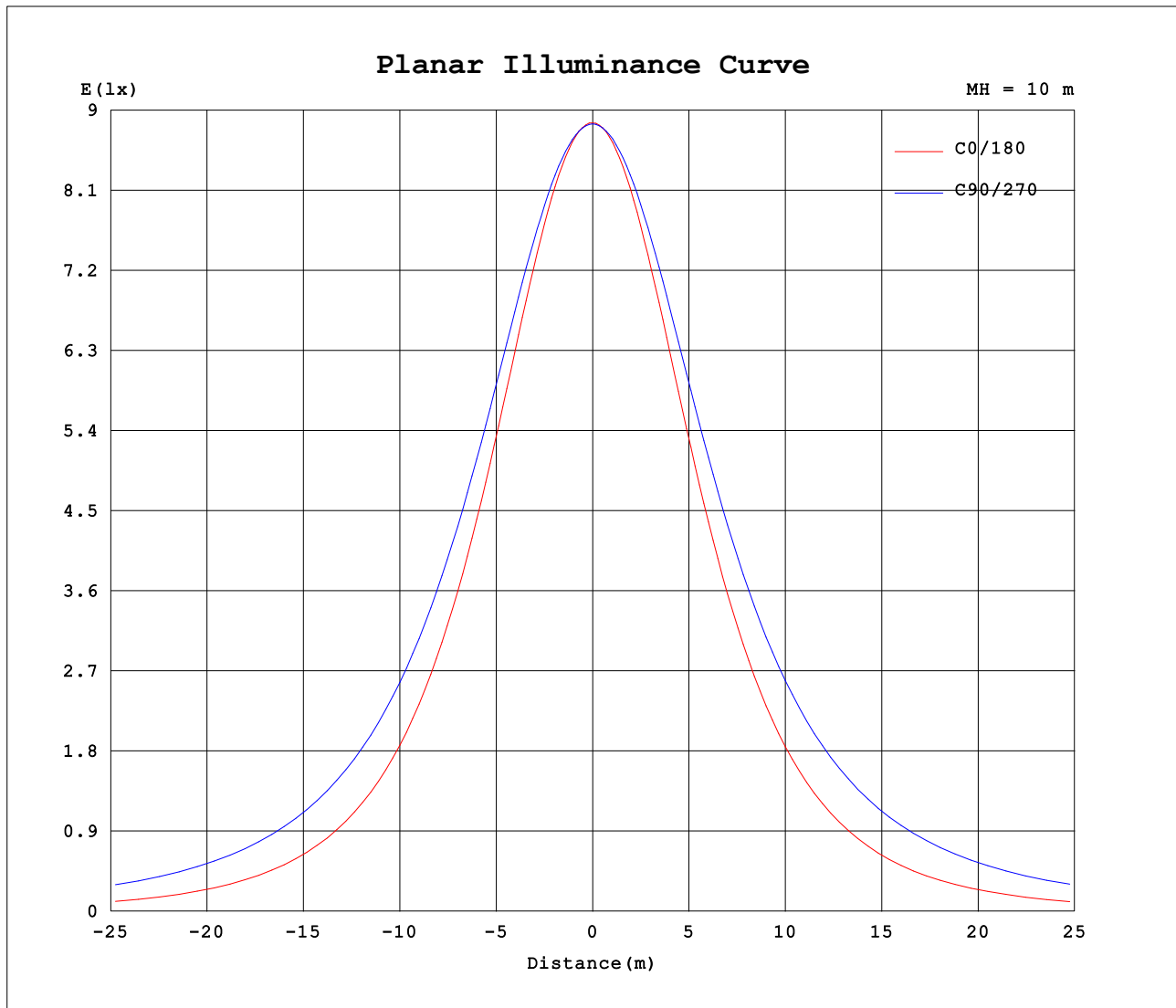
AvgL	cd/m2
L_0~180 (65) av	2657
L_0~180 (75) av	2110
L_0~180 (85) av	1073
L_90~270 (65) av	6237
L_90~270 (75) av	8983
L_90~270 (85) av	23153
L_45 (65) av	4725
L_45 (75) av	6355
L_45 (85) av	15451

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:12 January 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JEFF  
Test Date: 12 January 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 7.890m [K=1.0000]  
Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:239.8V I:0.1608A P:36.92W PF:0.9577 Lamp Flux:4190.94x1 lm		
NAME: TUBE_1181_NA_WHT_OPAL_HE_500mA_4000K CRI90	YPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	885	885	885	885	885	885	885	885	885	885	885	885	885	885	885	885			
5	880	880	882	882	883	883	881	880	879	880	882	883	883	883	882	881			
10	865	866	871	875	877	875	870	865	863	865	871	875	877	876	872	867			
15	839	843	853	863	866	862	851	841	836	841	852	863	867	864	854	843			
20	804	812	828	846	852	845	826	808	801	808	828	846	854	847	829	811			
25	761	772	798	824	834	823	795	768	756	768	797	824	836	826	800	772			
30	710	726	762	798	812	798	760	722	705	722	762	799	815	800	764	726			
35	653	675	722	769	787	768	719	671	649	671	722	770	790	771	725	675			
40	593	620	679	737	759	736	676	615	587	616	680	739	763	740	682	620			
45	528	562	634	702	728	701	631	557	523	558	635	705	734	706	638	562			
50	461	502	587	666	695	665	584	498	457	499	589	669	702	671	592	503			
55	393	442	540	628	661	627	537	438	389	440	543	633	669	634	545	443			
60	325	383	494	590	626	589	491	379	320	381	498	597	636	598	500	385			
65	256	326	449	552	591	552	447	322	252	325	455	561	603	562	457	328			
70	189	272	407	515	555	515	405	269	185	272	414	525	568	526	416	275			
75	125	223	369	479	520	479	367	221	122	224	376	490	533	490	378	226			
80	67.8	182	333	444	484	444	332	180	64.9	184	341	455	498	456	342	185			
85	22.1	149	301	411	450	411	300	148	20.2	152	309	421	464	422	309	152			
90	1.41	124	272	379	418	379	272	124	1.50	127	280	389	430	389	280	127			
95	2.16	107	248	349	386	350	247	107	4.24	110	254	359	398	359	254	110			
100	5.82	95.9	226	322	357	323	226	96.8	9.98	99.6	232	330	367	330	232	98.6			
105	11.0	89.0	207	296	329	297	208	88.1	15.7	90.2	207	304	338	304	213	91.8			
110	16.7	85.0	190	273	303	274	191	80.0	21.6	81.5	189	278	311	279	196	87.7			
115	22.1	82.8	176	251	279	252	168	74.5	27.4	75.2	168	251	285	256	181	85.3			
120	27.0	81.6	164	230	256	232	142	68.3	32.9	68.6	144	227	261	235	168	83.9			
125	31.8	81.1	152	212	234	213	123	63.8	37.9	63.5	124	205	238	215	156	82.2			
130	36.3	80.8	142	194	214	187	109	60.3	42.4	59.7	110	181	217	197	145	81.1			
135	40.4	80.4	133	177	194	156	97.4	57.2	46.3	56.4	97.5	151	197	179	135	80.2			
140	43.9	79.2	124	161	175	130	86.6	53.9	49.9	53.0	86.2	127	177	163	125	78.3			
145	50.8	78.4	116	146	158	109	77.1	53.5	55.6	53.0	76.2	109	159	147	116	78.5			
150	58.9	79.5	108	132	141	92.2	68.6	58.9	62.9	58.2	67.5	91.3	140	132	108	79.6			
155	66.2	81.2	99.6	119	126	77.9	64.6	64.2	69.6	64.9	62.8	76.4	123	118	97.7	80.8			
160	73.3	83.5	94.3	106	111	64.5	65.4	69.8	76.4	71.9	64.2	63.0	107	104	91.3	82.6			
165	80.1	85.8	92.7	96.8	96.1	55.5	70.1	75.9	82.5	79.3	70.0	54.9	92.3	95.9	87.3	84.3			
170	85.8	88.7	92.5	92.7	66.7	58.0	76.9	81.6	87.6	86.2	77.7	57.7	66.2	89.9	85.3	86.9			
175	90.8	91.4	93.2	90.3	52.9	70.5	85.0	87.0	92.0	91.8	87.2	71.6	52.4	86.8	88.2	89.4			
180	94.7	94.5	92.7	85.7	52.5	81.4	89.4	91.1	94.7	94.5	92.6	85.8	52.5	81.4	89.4	91.1			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:JEFF

Test Date:12 January 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295

Humidity:65.0%

Test Distance:7.890m [K=1.0000]

Remarks: