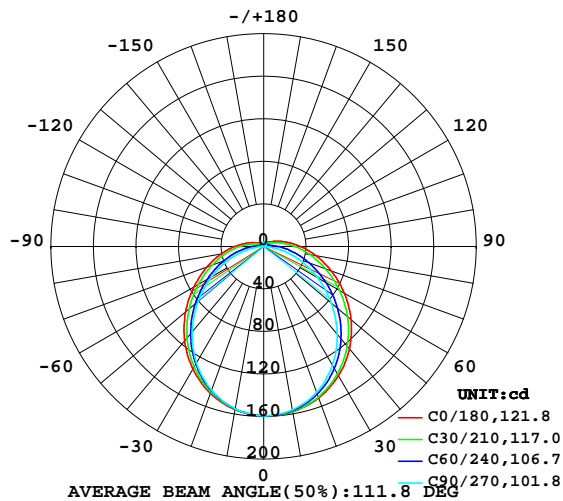


## LUMINAIRE PHOTOMETRIC TEST REPORT

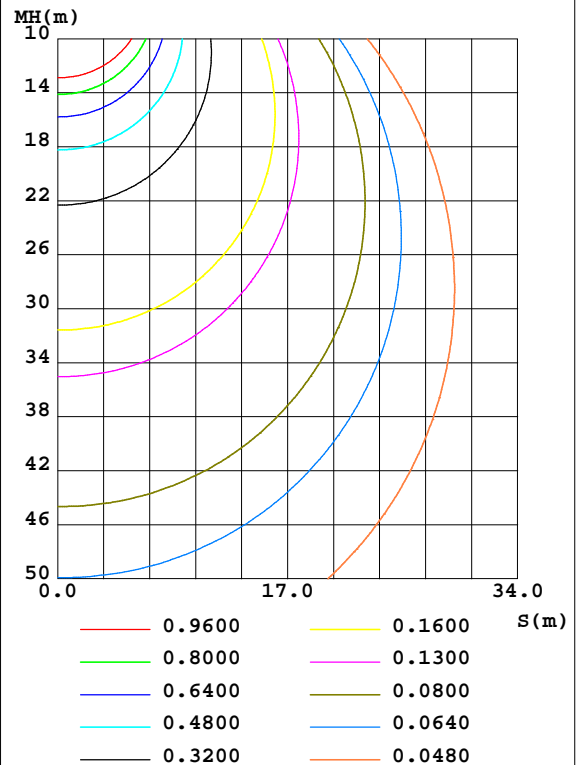
Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.37 lm/W			
MODEL NET-55-01-03 T5 300mm		Imax(cd)	159.5	S/MH(C0/180)	1.31
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	519.24	$\eta$ UP,DN(C0-180)	4.1,46.8
NOMINAL FLUX(lm)	519.24	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	3.8,45.3
LAMPS INSIDE	1	$\eta$ up(%)	7.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	$\eta$ down(%)	92.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	157.8	157.1	156.0	155.6	155.9	155.1	154.9	156.3	0- 10	15.05	15.05	2.9,2.9
20	151.5	149.1	145.7	145.9	146.9	145.0	143.8	147.7	10- 20	42.95	57.99	11.2,11.2
30	140.5	135.6	129.2	130.6	133.2	129.3	126.5	133.8	20- 30	64.62	122.6	23.6,23.6
40	125.5	117.7	107.7	111.2	115.7	109.7	104.7	115.7	30- 40	77.17	199.8	38.5,38.5
50	107.3	96.90	83.21	88.77	96.14	87.91	80.51	94.99	40- 50	79.45	279.2	53.8,53.8
60	87.51	74.94	58.27	66.39	75.69	65.89	56.12	73.11	50- 60	72.35	351.6	67.7,67.7
70	67.82	53.88	34.61	45.77	56.87	45.97	33.15	52.55	60- 70	58.71	410.3	79,79
80	49.79	35.51	12.54	29.09	40.53	29.10	12.56	34.60	70- 80	41.98	452.3	87.1,87.1
90	34.74	21.48	0.9651	16.55	27.22	16.70	1.177	20.84	80- 90	26.02	478.3	92.1,92.1
100	23.06	12.54	1.227	9.103	17.35	9.217	1.393	12.25	90-100	15.12	493.4	95,95
110	14.74	7.641	1.556	5.329	10.77	5.506	1.680	7.539	100-110	9.055	502.4	96.8,96.8
120	9.435	5.212	1.933	3.629	6.854	3.775	2.008	5.223	110-120	5.558	508.0	97.8,97.8
130	6.375	4.071	2.308	3.024	4.672	3.112	2.334	4.100	120-130	3.696	511.7	98.5,98.5
140	4.810	3.584	2.691	2.902	3.662	2.935	2.645	3.516	130-140	2.689	514.4	99.1,99.1
150	3.887	3.254	3.044	3.029	3.198	3.024	2.940	3.149	140-150	2.019	516.4	99.5,99.5
160	3.685	3.519	3.359	3.293	3.383	3.278	3.212	3.300	150-160	1.505	517.9	99.7,99.7
170	3.613	3.717	3.618	3.525	3.574	3.509	3.463	3.523	160-170	0.9774	518.9	99.9,99.9
180	3.775	3.753	3.730	3.682	3.789	3.757	3.733	3.683	170-180	0.3465	519.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 239.84 lm

%lum = 46.2%

%lamp = 46.2%

Conical surface Flux(120deg): 351.58 lm

%lum = 67.7%

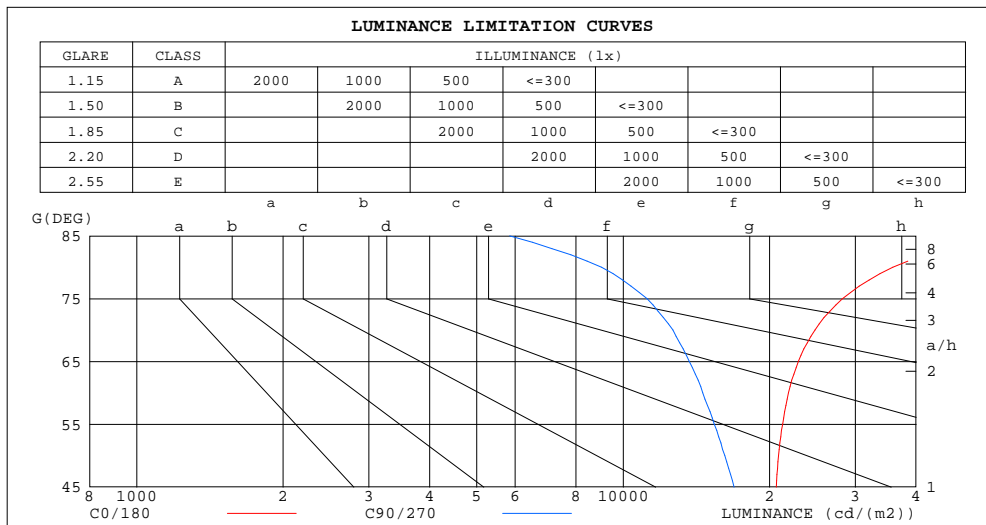
%lamp = 67.7%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-04-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7063]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	60069	5845
80	35838	9024
75	28250	11190
70	24786	12649
65	22937	13666
60	21878	14568
55	21279	15392
50	20872	16181
45	20640	16915

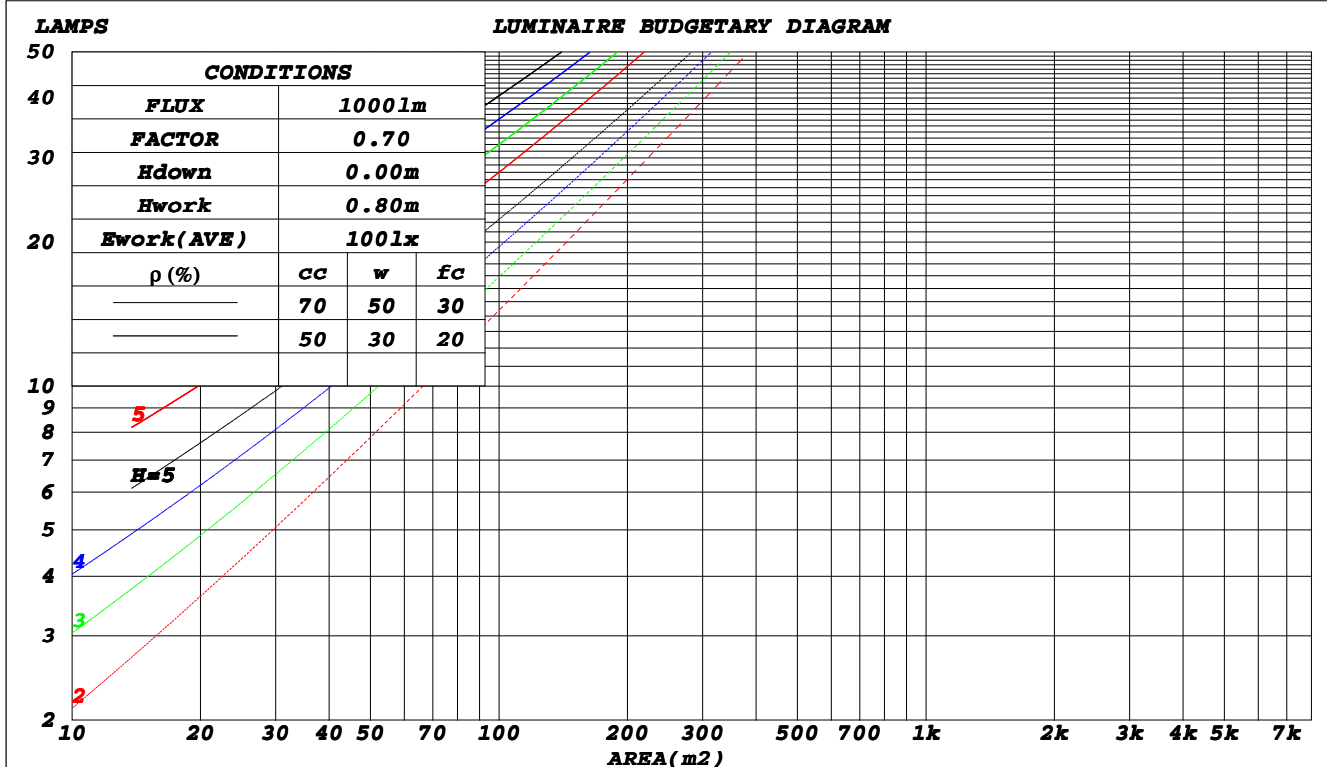
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2020-04-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	

$\rho_{cc}$	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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.92
1.0	1.00	.95	.91	.97	.93	.89	.91	.88	.84	.86	.83	.80	.81	.79	.77	.74
2.0	.87	.79	.73	.84	.77	.72	.79	.74	.69	.75	.70	.66	.70	.67	.63	.61
3.0	.76	.67	.60	.74	.66	.59	.69	.63	.57	.66	.60	.55	.62	.57	.53	.51
4.0	.67	.58	.51	.65	.57	.50	.62	.54	.49	.58	.52	.47	.55	.50	.46	.43
5.0	.60	.50	.44	.58	.49	.43	.55	.48	.42	.52	.46	.41	.50	.44	.40	.37
6.0	.54	.45	.38	.52	.44	.38	.50	.42	.37	.47	.41	.36	.45	.39	.35	.32
7.0	.49	.40	.34	.47	.39	.33	.45	.38	.32	.43	.36	.32	.41	.35	.31	.29
8.0	.44	.36	.30	.43	.35	.30	.41	.34	.29	.39	.33	.28	.38	.32	.28	.26
9.0	.41	.32	.27	.40	.32	.27	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.30	.24	.37	.29	.24	.35	.28	.24	.34	.27	.23	.32	.27	.23	.21



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2020-04-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

**WEC AND CCEC**

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	

$\rho_{cc}$	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	.347	.197	.063	.338	.193	.061	.320	.183	.059	.303	.175	.056	.288	.167	.054		
2.0	.311	.170	.052	.302	.166	.051	.286	.159	.049	.271	.152	.048	.258	.146	.046		
3.0	.281	.150	.045	.273	.146	.044	.259	.140	.043	.246	.135	.041	.234	.129	.040		
4.0	.256	.133	.039	.249	.130	.039	.236	.125	.037	.224	.120	.036	.213	.116	.035		
5.0	.235	.120	.035	.229	.117	.034	.217	.113	.033	.206	.109	.032	.196	.105	.031		
6.0	.216	.108	.031	.211	.106	.031	.200	.103	.030	.191	.099	.029	.181	.096	.028		
7.0	.200	.099	.028	.196	.097	.028	.186	.094	.027	.177	.091	.026	.169	.088	.026		
8.0	.187	.091	.026	.182	.090	.025	.174	.087	.025	.165	.084	.024	.158	.081	.024		
9.0	.175	.084	.024	.170	.083	.023	.163	.080	.023	.155	.078	.022	.148	.075	.022		
10.0	.164	.079	.022	.160	.077	.022	.153	.075	.021	.146	.073	.021	.140	.070	.020		

$\rho_{cc}$	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	.251	.251	.251	.214	.214	.214	.146	.146	.146	.084	.084	.084	.027	.027	.027	
1.0	.243	.216	.192	.208	.186	.165	.143	.128	.114	.082	.074	.066	.026	.024	.021	
2.0	.236	.193	.157	.202	.166	.135	.138	.115	.094	.080	.067	.055	.026	.022	.018	
3.0	.228	.176	.134	.195	.152	.116	.134	.105	.082	.077	.061	.048	.025	.020	.016	
4.0	.220	.163	.119	.189	.141	.103	.130	.098	.073	.075	.057	.043	.024	.019	.014	
5.0	.213	.153	.108	.182	.132	.094	.126	.092	.067	.073	.054	.039	.023	.018	.013	
6.0	.205	.144	.101	.176	.125	.088	.122	.088	.062	.071	.051	.037	.023	.017	.012	
7.0	.198	.138	.095	.170	.119	.083	.118	.084	.059	.068	.049	.035	.022	.016	.012	
8.0	.192	.132	.091	.165	.114	.079	.114	.080	.056	.066	.047	.033	.021	.016	.011	
9.0	.185	.127	.088	.160	.110	.076	.111	.077	.054	.064	.046	.032	.021	.015	.011	
10.0	.180	.123	.085	.155	.107	.074	.107	.075	.053	.063	.044	.031	.020	.015	.010	

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** DAMIN  
**Test Date:** 2020-04-28

**$\gamma$  Range:** 0 - 180DEG  
 **$\gamma$  Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
**Humidity:** 65.0%  
**Test Distance:** 8.000m [K=0.7063]  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm										
NAME: NET-55-01-03 T5 300mm					TYPE:LED					
MFR.:					DIM.: 300mm					
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>23.4</b>	<b>24.8</b>	<b>23.7</b>	<b>25.1</b>	<b>25.5</b>	<b>21.8</b>	<b>23.2</b>	<b>22.2</b>	<b>23.6</b>	<b>23.9</b>
<b>3H</b>	<b>25.5</b>	<b>26.9</b>	<b>25.9</b>	<b>27.2</b>	<b>27.6</b>	<b>23.1</b>	<b>24.5</b>	<b>23.6</b>	<b>24.9</b>	<b>25.3</b>
<b>4H</b>	<b>26.7</b>	<b>27.9</b>	<b>27.1</b>	<b>28.3</b>	<b>28.8</b>	<b>23.7</b>	<b>24.9</b>	<b>24.1</b>	<b>25.3</b>	<b>25.8</b>
<b>6H</b>	<b>27.9</b>	<b>29.1</b>	<b>28.3</b>	<b>29.5</b>	<b>30.0</b>	<b>24.0</b>	<b>25.2</b>	<b>24.5</b>	<b>25.6</b>	<b>26.1</b>
<b>8H</b>	<b>28.6</b>	<b>29.7</b>	<b>29.0</b>	<b>30.1</b>	<b>30.6</b>	<b>24.1</b>	<b>25.3</b>	<b>24.5</b>	<b>25.7</b>	<b>26.1</b>
<b>12H</b>	<b>29.3</b>	<b>30.5</b>	<b>29.8</b>	<b>30.9</b>	<b>31.4</b>	<b>24.1</b>	<b>25.2</b>	<b>24.6</b>	<b>25.7</b>	<b>26.1</b>
<b>4H 2H</b>	<b>23.9</b>	<b>25.1</b>	<b>24.3</b>	<b>25.5</b>	<b>26.0</b>	<b>22.7</b>	<b>24.0</b>	<b>23.1</b>	<b>24.3</b>	<b>24.8</b>
<b>3H</b>	<b>26.3</b>	<b>27.4</b>	<b>26.8</b>	<b>27.8</b>	<b>28.3</b>	<b>24.3</b>	<b>25.4</b>	<b>24.7</b>	<b>25.8</b>	<b>26.3</b>
<b>4H</b>	<b>27.6</b>	<b>28.6</b>	<b>28.1</b>	<b>29.1</b>	<b>29.6</b>	<b>25.0</b>	<b>26.0</b>	<b>25.5</b>	<b>26.5</b>	<b>27.0</b>
<b>6H</b>	<b>29.1</b>	<b>30.0</b>	<b>29.6</b>	<b>30.5</b>	<b>31.0</b>	<b>25.5</b>	<b>26.4</b>	<b>26.0</b>	<b>26.9</b>	<b>27.4</b>
<b>8H</b>	<b>29.9</b>	<b>30.7</b>	<b>30.4</b>	<b>31.2</b>	<b>31.8</b>	<b>25.6</b>	<b>26.5</b>	<b>26.2</b>	<b>27.0</b>	<b>27.6</b>
<b>12H</b>	<b>30.8</b>	<b>31.6</b>	<b>31.3</b>	<b>32.1</b>	<b>32.7</b>	<b>25.7</b>	<b>26.5</b>	<b>26.3</b>	<b>27.0</b>	<b>27.6</b>
<b>8H 4H</b>	<b>27.9</b>	<b>28.8</b>	<b>28.5</b>	<b>29.3</b>	<b>29.8</b>	<b>25.7</b>	<b>26.6</b>	<b>26.2</b>	<b>27.1</b>	<b>27.6</b>
<b>6H</b>	<b>29.7</b>	<b>30.4</b>	<b>30.2</b>	<b>30.9</b>	<b>31.5</b>	<b>26.5</b>	<b>27.2</b>	<b>27.1</b>	<b>27.8</b>	<b>28.4</b>
<b>8H</b>	<b>30.6</b>	<b>31.3</b>	<b>31.2</b>	<b>31.8</b>	<b>32.5</b>	<b>26.8</b>	<b>27.5</b>	<b>27.4</b>	<b>28.0</b>	<b>28.6</b>
<b>12H</b>	<b>31.8</b>	<b>32.4</b>	<b>32.4</b>	<b>32.9</b>	<b>33.6</b>	<b>27.1</b>	<b>27.6</b>	<b>27.7</b>	<b>28.2</b>	<b>28.8</b>
<b>12H 4H</b>	<b>27.9</b>	<b>28.7</b>	<b>28.5</b>	<b>29.2</b>	<b>29.8</b>	<b>25.9</b>	<b>26.7</b>	<b>26.5</b>	<b>27.2</b>	<b>27.8</b>
<b>6H</b>	<b>29.7</b>	<b>30.4</b>	<b>30.3</b>	<b>30.9</b>	<b>31.6</b>	<b>26.9</b>	<b>27.5</b>	<b>27.5</b>	<b>28.1</b>	<b>28.7</b>
<b>8H</b>	<b>30.8</b>	<b>31.4</b>	<b>31.4</b>	<b>32.0</b>	<b>32.6</b>	<b>27.3</b>	<b>27.9</b>	<b>27.9</b>	<b>28.5</b>	<b>29.1</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.1 / - 0.1</b>					<b>+ 0.1 / - 0.2</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.3</b>					<b>+ 0.2 / - 0.3</b>				
<b>2.0H</b>	<b>+ 0.2 / - 0.3</b>					<b>+ 0.1 / - 0.4</b>				

CIE Pub.117, 519.2 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -2.3$ )

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-04-28**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	

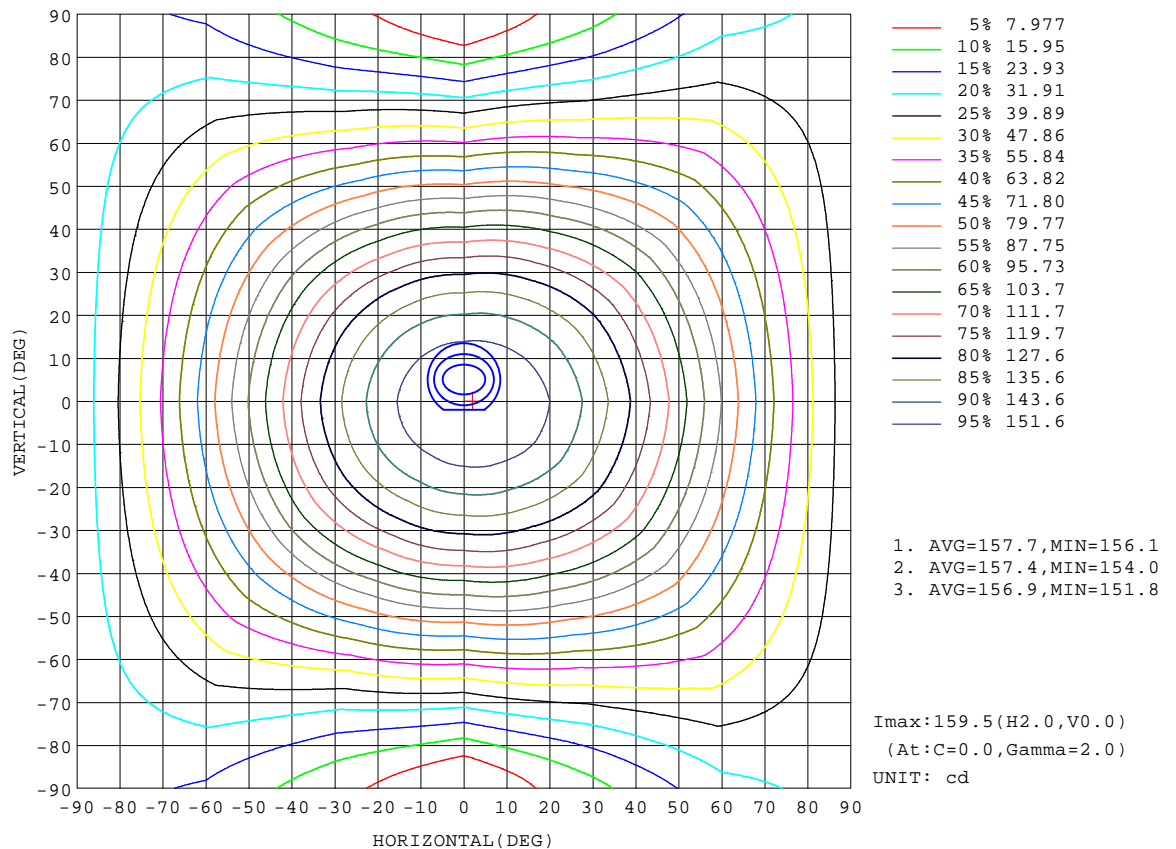
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	34	28
0.80	63	51	44	62	51	43	60	50	43	35
1.00	71	59	52	70	59	51	67	60	51	43
1.25	78	67	59	76	66	59	73	64	57	49
1.50	83	72	65	81	71	64	77	69	62	54
2.00	90	80	73	88	79	72	83	76	70	61
2.50	94	85	78	92	83	77	87	80	75	64
3.00	98	90	83	95	88	82	90	84	79	68
4.00	102	95	90	99	93	88	93	88	84	73
5.00	105	99	94	101	96	92	96	91	88	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-04-28**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

## ISOCANDELA DIAGRAM

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-04-28

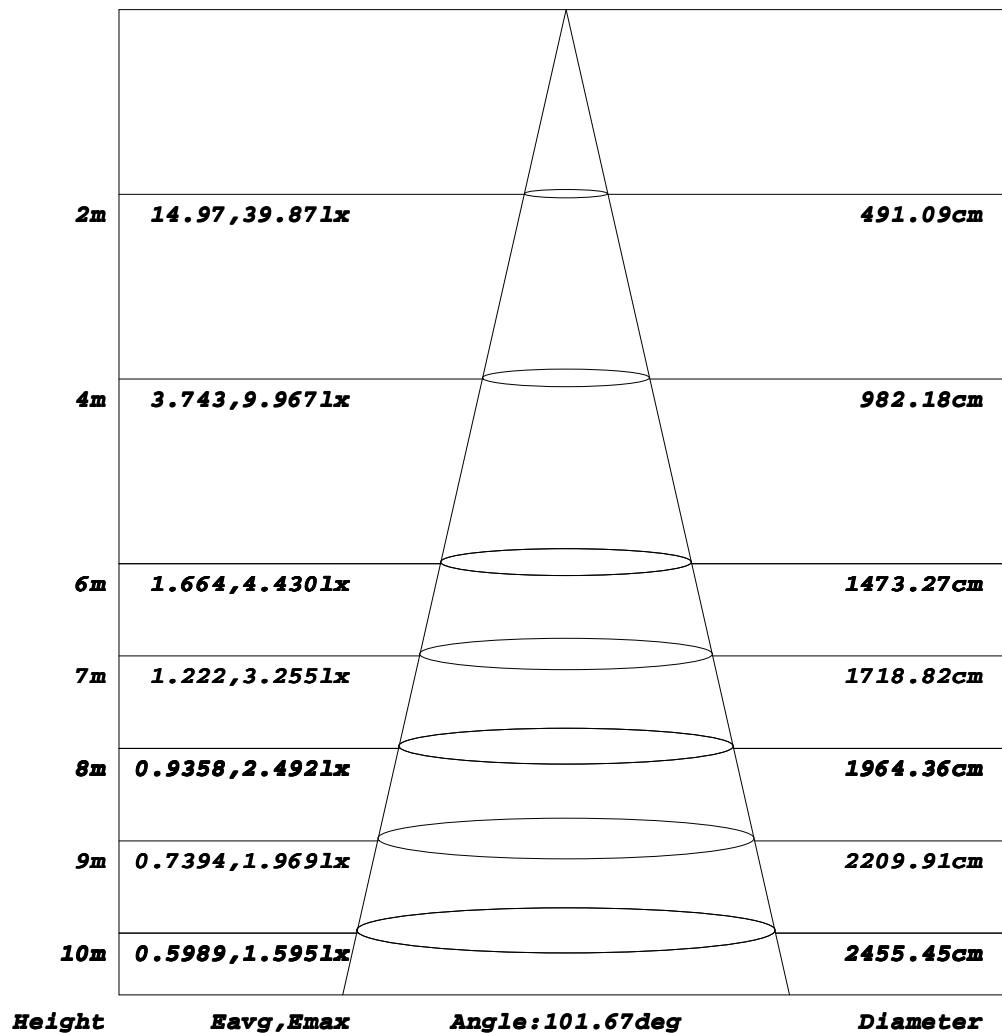
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks:



## AAI Figure

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	

Flux out:286.9 lm



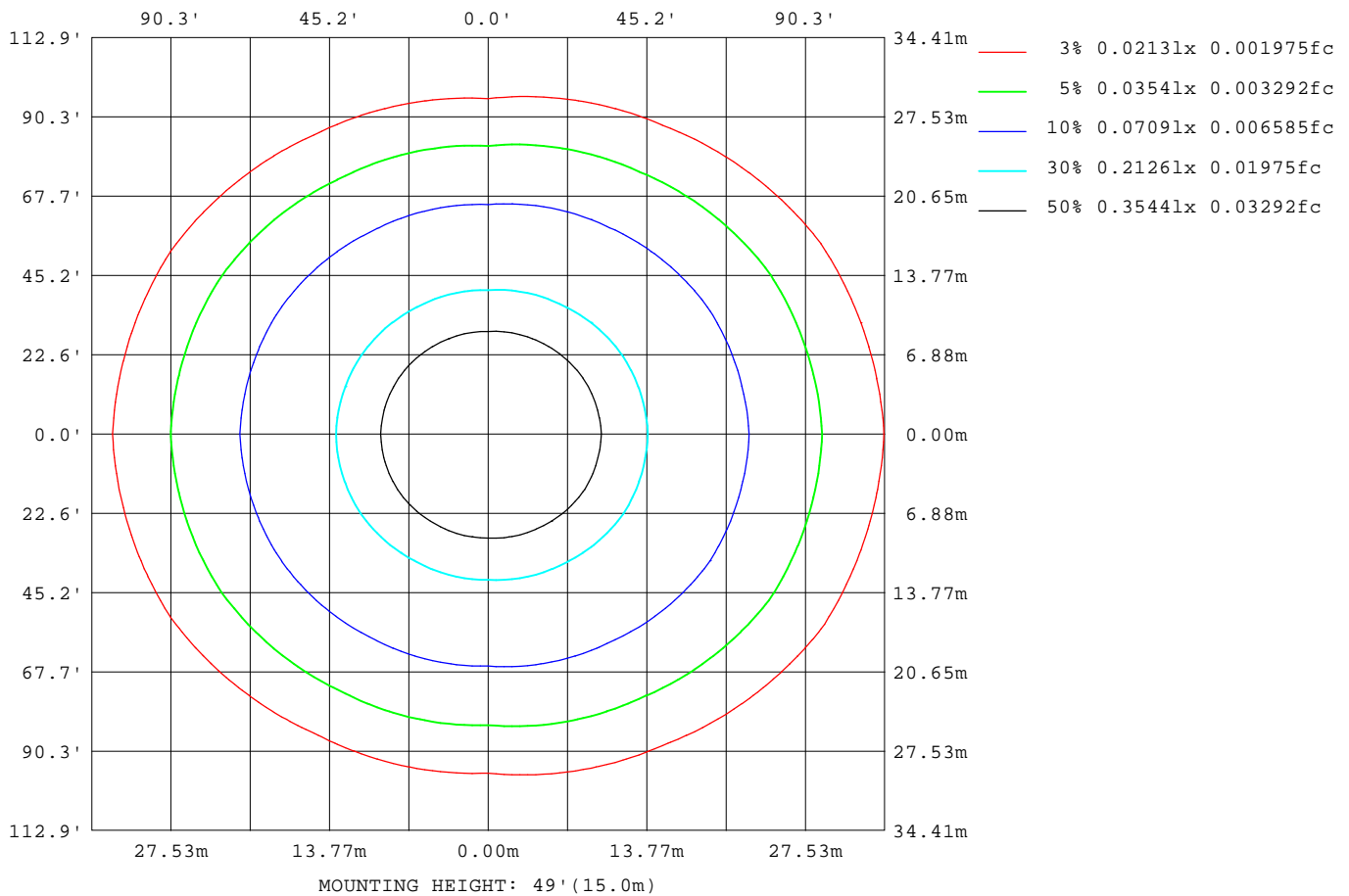
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2020-04-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

## LED Avg.L Report

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	

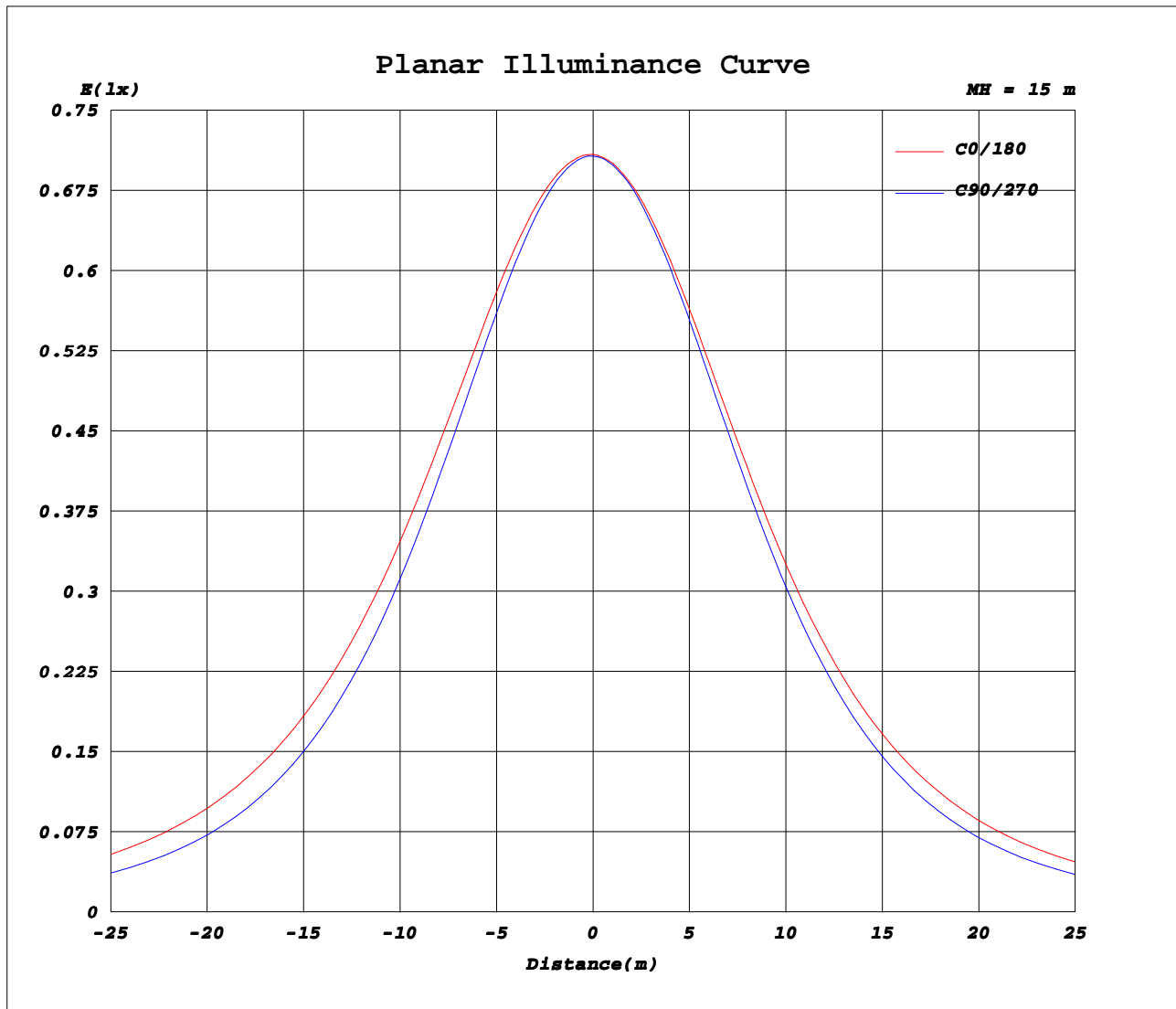
AvgL	cd/m2
L_0~180(65)av	21233
L_0~180(75)av	25820
L_0~180(85)av	53964
L_90~270(65)av	13411
L_90~270(75)av	11005
L_90~270(85)av	6222
L_45(65)av	17636
L_45(75)av	19636
L_45(85)av	36315

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-04-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2020-04-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.10V I:0.0220A P:4.5400W PF:0.9280 Freq:50.00Hz Lamp Flux:519.24x1 lm		
NAME: NET-55-01-03 T5 300mm	TYPE:LED	
MFR.:	DIM.: 300mm	

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	159	159	159	159	159	159	159	159	159	159	159	159							
5	159	159	159	158	158	158	158	158	158	158	158	158							
10	158	158	157	156	156	156	156	155	155	155	156	157							
15	155	155	153	152	151	152	152	151	150	150	152	154							
20	152	151	148	146	145	146	147	146	144	144	146	149							
25	147	145	141	138	138	140	141	139	137	136	139	144							
30	141	139	133	129	129	132	133	131	128	127	131	137							
35	134	131	123	119	119	123	125	122	118	116	121	129							
40	126	122	113	108	109	114	116	112	107	105	111	120							
45	117	113	102	95.7	97.2	103	106	102	95.8	92.7	100	111							
50	107	103	90.8	83.2	85.4	92.1	96.1	91.5	84.3	80.5	89.1	101							
55	97.6	92.6	79.2	70.6	73.6	81.0	85.7	81.0	72.4	68.2	77.3	90.6							
60	87.5	82.3	67.5	58.3	61.9	70.9	75.7	70.7	61.1	56.1	65.9	80.3							
65	77.5	72.0	56.3	46.2	49.9	61.3	66.0	61.1	50.3	44.5	54.9	70.3							
70	67.8	62.2	45.6	34.6	39.2	52.4	56.9	51.8	40.1	33.2	44.5	60.6							
75	58.5	52.9	35.7	23.2	30.1	43.9	48.4	43.3	30.9	22.4	34.8	51.5							
80	49.8	44.3	26.7	12.5	22.1	36.1	40.5	35.5	22.7	12.6	26.2	43.0							
85	41.9	36.4	19.4	4.08	15.4	29.0	33.4	28.5	15.9	4.60	18.9	35.3							
90	34.7	29.4	13.5	0.97	10.2	22.9	27.2	22.6	10.7	1.18	13.1	28.5							
95	28.4	23.5	9.29	1.07	6.71	17.7	21.8	17.6	7.12	1.26	9.05	20.1							
100	23.1	18.5	6.54	1.23	4.57	13.6	17.4	13.6	4.88	1.39	6.45	18.0							
105	18.5	14.6	4.87	1.39	3.37	10.4	13.7	10.4	3.62	1.53	4.82	14.2							
110	14.7	11.4	3.92	1.56	2.71	7.94	10.8	8.05	2.96	1.68	3.92	11.2							
115	11.8	9.00	3.41	1.75	2.44	6.24	8.57	6.35	2.64	1.85	3.43	8.93							
120	9.44	7.28	3.14	1.93	2.34	4.92	6.85	5.06	2.49	2.01	3.19	7.26							
125	7.68	6.05	3.04	2.12	2.31	4.16	5.50	4.30	2.44	2.17	3.09	6.07							
130	6.37	5.20	2.94	2.31	2.37	3.68	4.67	3.78	2.45	2.33	2.97	5.23							
135	5.48	4.63	2.91	2.50	2.51	3.35	4.09	3.43	2.55	2.49	2.80	4.65							
140	4.81	4.22	2.95	2.69	2.68	3.12	3.66	3.18	2.69	2.65	2.80	4.23							
145	4.33	3.75	3.07	2.87	2.84	3.02	3.33	3.04	2.84	2.80	2.91	3.54							
150	3.89	3.48	3.03	3.04	2.99	3.07	3.20	3.07	2.98	2.94	3.00	3.30							
155	3.74	3.50	3.25	3.21	3.13	3.19	3.27	3.18	3.12	3.08	3.12	3.27							
160	3.68	3.57	3.47	3.36	3.27	3.32	3.38	3.30	3.26	3.21	3.28	3.32							
165	3.67	3.44	3.59	3.50	3.40	3.44	3.49	3.41	3.38	3.34	3.39	3.44							
170	3.61	3.74	3.69	3.62	3.51	3.54	3.57	3.52	3.50	3.46	3.50	3.55							
175	3.81	3.79	3.75	3.69	3.59	3.62	3.65	3.60	3.58	3.64	3.59	3.62							
180	3.77	3.76	3.75	3.73	3.72	3.65	3.79	3.76	3.76	3.73	3.72	3.65							

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: DAMIN

Test Date: 2020-04-28

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11

Humidity: 65.0%

Test Distance: 8.000m [K=0.7063]

Remarks: