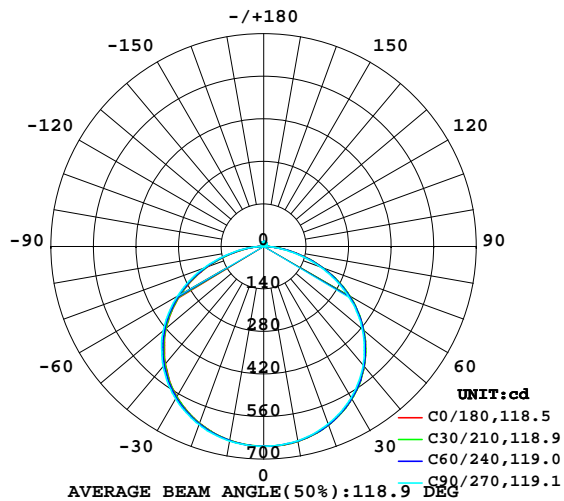


**LUMINAIRE PHOTOMETRIC TEST REPORT**

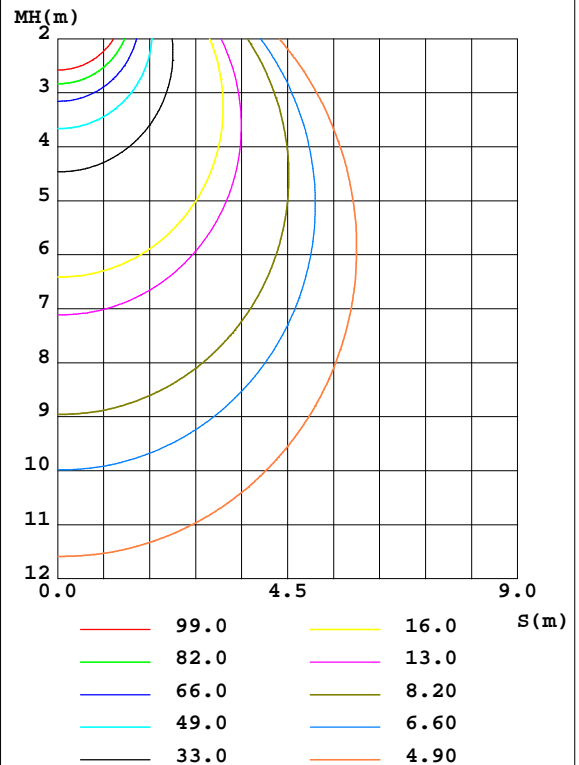
Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz		
Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.92 lm/W			
MODEL		Imax(cd)	657.9	S/MH(C0/180)	1.29
NOMINAL POWER(W)	19.6	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2076.0	η UP,DN(C0-180)	1.4,48.3
NOMINAL FLUX(lm)	2075.98	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.5,48.8
LAMPS INSIDE	1	η up(%)	2.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	97.1	CIBSE SHR MAX	1.50

**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:2023-10-11**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**ZONAL FLUX DIAGRAM**
**ZONAL FLUX DIAGRAM:**

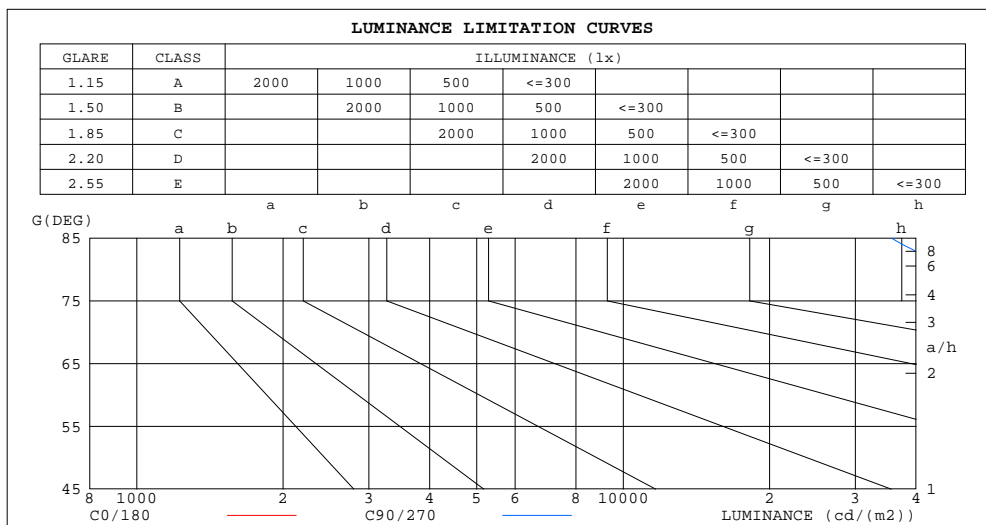
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	651.2	650.6	648.8	647.4	647.8	648.0	650.0	651.2	0- 10	62.39	62.39	3.01,3.01
20	625.4	624.8	621.4	618.1	618.6	620.0	623.8	626.2	10- 20	180.3	242.7	11.7,11.7
30	579.7	579.8	575.3	570.7	571.1	573.7	579.2	582.0	20- 30	277.5	520.1	25.1,25.1
40	514.7	514.1	509.5	502.6	503.6	507.7	514.8	518.1	30- 40	341.7	861.8	41.5,41.5
50	429.2	429.5	423.4	416.6	419.5	423.5	432.5	434.9	40- 50	363.0	1225	59,59
60	326.4	326.1	318.7	311.7	315.1	320.1	328.6	332.6	50- 60	336.1	1561	75.2,75.2
70	207.8	207.9	198.8	193.1	197.5	202.1	210.5	214.8	60- 70	261.7	1823	87.8,87.8
80	86.55	86.66	77.74	74.36	79.54	82.80	89.88	92.97	70- 80	150.8	1973	95.1,95.1
90	9.077	9.069	4.632	7.139	8.634	8.893	6.865	11.38	80- 90	43.01	2016	97.1,97.1
100	5.419	5.354	5.486	5.689	6.351	6.271	6.141	5.947	90-100	6.369	2023	97.4,97.4
110	6.881	6.969	7.134	7.304	7.604	7.752	7.618	7.398	100-110	6.923	2030	97.8,97.8
120	8.608	8.616	8.779	9.043	9.250	9.412	9.157	8.964	110-120	8.091	2038	98.2,98.2
130	10.33	10.26	10.44	10.80	10.85	11.05	10.73	10.53	120-130	8.791	2047	98.6,98.6
140	11.90	11.83	12.04	12.40	12.29	12.57	12.26	12.07	130-140	8.825	2055	99,99
150	13.30	13.33	13.55	13.86	13.55	13.91	13.70	13.50	140-150	8.088	2063	99.4,99.4
160	14.71	14.75	14.96	15.18	14.76	15.06	14.97	14.84	150-160	6.586	2070	99.7,99.7
170	15.82	15.93	16.07	16.22	15.77	16.00	16.01	16.02	160-170	4.375	2074	99.9,99.9
180	16.38	16.55	16.58	16.69	16.38	16.53	16.59	16.71	170-180	1.551	2076	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-11**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

## LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	42369	35598
80	49841	44770
75	56519	52730
70	60746	58132
65	63715	61590
60	65286	63734
55	66198	65087
50	66770	65868
45	67024	66250

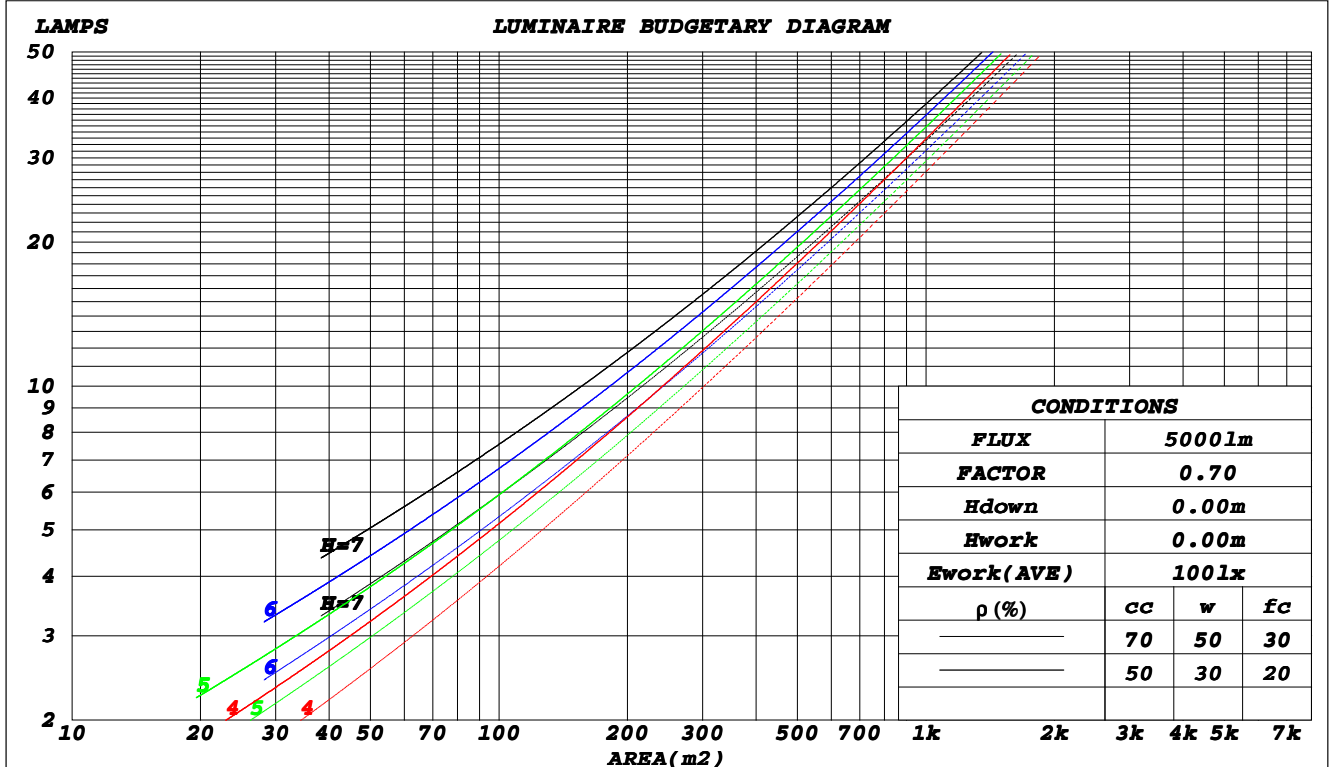
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz		
Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		

$\rho_{cc}$	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.98	.95	1.00	.96	.93	.96	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.79	.75	.71	.76	.72	.69	.67
3.0	.78	.70	.63	.76	.69	.62	.73	.66	.61	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.60	.53	.67	.59	.53	.65	.57	.52	.62	.56	.51	.59	.54	.50	.47
5.0	.61	.52	.46	.60	.52	.45	.58	.50	.44	.55	.49	.44	.53	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.39	.52	.44	.39	.50	.43	.38	.48	.42	.38	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks:

**WEC AND CCEC**

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz		
Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		

$\rho_{cc}$	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	.316	.180	.057	.308	.176	.056	.293	.168	.054	.279	.161	.052	.267	.155	.050		
2.0	.296	.162	.050	.289	.159	.049	.276	.153	.048	.264	.148	.046	.252	.143	.045		
3.0	.274	.146	.044	.267	.143	.043	.256	.138	.042	.245	.134	.041	.234	.130	.040		
4.0	.252	.131	.039	.246	.129	.038	.236	.125	.037	.226	.121	.037	.217	.118	.036		
5.0	.233	.119	.034	.228	.117	.034	.218	.114	.033	.210	.111	.033	.201	.108	.032		
6.0	.216	.108	.031	.211	.107	.031	.203	.104	.030	.195	.101	.030	.187	.099	.029		
7.0	.200	.099	.028	.196	.098	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027		
8.0	.187	.091	.026	.183	.090	.026	.177	.088	.025	.170	.086	.025	.164	.084	.025		
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.160	.080	.023	.154	.078	.023		
10.0	.164	.079	.022	.162	.078	.022	.156	.076	.022	.151	.075	.021	.146	.073	.021		

$\rho_{cc}$	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	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.203	.178	.156	.174	.153	.134	.119	.105	.093	.068	.061	.054	.022	.020	.017	
2.0	.195	.154	.120	.167	.133	.103	.114	.092	.072	.066	.053	.042	.021	.017	.014	
3.0	.187	.137	.096	.161	.118	.083	.110	.082	.058	.064	.048	.034	.020	.016	.011	
4.0	.180	.123	.080	.154	.107	.070	.106	.074	.049	.061	.044	.029	.020	.014	.010	
5.0	.173	.113	.069	.148	.098	.060	.102	.068	.043	.059	.040	.025	.019	.013	.008	
6.0	.165	.105	.061	.142	.091	.053	.098	.064	.038	.057	.037	.022	.018	.012	.007	
7.0	.159	.098	.056	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.011	.007	
8.0	.152	.092	.051	.131	.080	.045	.091	.056	.032	.053	.033	.019	.017	.011	.006	
9.0	.146	.087	.048	.126	.076	.042	.087	.053	.030	.051	.031	.018	.016	.010	.006	
10.0	.140	.083	.045	.121	.072	.039	.084	.051	.028	.049	.030	.017	.016	.010	.006	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-11**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz		
Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		

<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>27.4</b>	<b>28.9</b>	<b>27.7</b>	<b>29.2</b>	<b>29.5</b>	<b>27.4</b>	<b>28.9</b>	<b>27.7</b>	<b>29.1</b>	<b>29.4</b>
<b>3H</b>	<b>29.0</b>	<b>30.4</b>	<b>29.4</b>	<b>30.7</b>	<b>31.0</b>	<b>28.9</b>	<b>30.3</b>	<b>29.2</b>	<b>30.6</b>	<b>30.9</b>
<b>4H</b>	<b>29.7</b>	<b>31.0</b>	<b>30.0</b>	<b>31.3</b>	<b>31.6</b>	<b>29.5</b>	<b>30.8</b>	<b>29.8</b>	<b>31.1</b>	<b>31.4</b>
<b>6H</b>	<b>30.1</b>	<b>31.3</b>	<b>30.5</b>	<b>31.7</b>	<b>32.0</b>	<b>29.9</b>	<b>31.1</b>	<b>30.2</b>	<b>31.4</b>	<b>31.8</b>
<b>8H</b>	<b>30.2</b>	<b>31.4</b>	<b>30.6</b>	<b>31.8</b>	<b>32.1</b>	<b>30.0</b>	<b>31.2</b>	<b>30.4</b>	<b>31.5</b>	<b>31.9</b>
<b>12H</b>	<b>30.3</b>	<b>31.5</b>	<b>30.7</b>	<b>31.8</b>	<b>32.2</b>	<b>30.0</b>	<b>31.2</b>	<b>30.4</b>	<b>31.5</b>	<b>31.9</b>
<b>4H 2H</b>	<b>28.1</b>	<b>29.4</b>	<b>28.4</b>	<b>29.7</b>	<b>30.0</b>	<b>28.0</b>	<b>29.3</b>	<b>28.4</b>	<b>29.6</b>	<b>29.9</b>
<b>3H</b>	<b>29.8</b>	<b>31.0</b>	<b>30.2</b>	<b>31.3</b>	<b>31.7</b>	<b>29.7</b>	<b>30.9</b>	<b>30.1</b>	<b>31.2</b>	<b>31.6</b>
<b>4H</b>	<b>30.6</b>	<b>31.7</b>	<b>31.0</b>	<b>32.0</b>	<b>32.4</b>	<b>30.4</b>	<b>31.5</b>	<b>30.9</b>	<b>31.9</b>	<b>32.3</b>
<b>6H</b>	<b>31.2</b>	<b>32.1</b>	<b>31.6</b>	<b>32.5</b>	<b>32.9</b>	<b>30.9</b>	<b>31.9</b>	<b>31.4</b>	<b>32.3</b>	<b>32.7</b>
<b>8H</b>	<b>31.4</b>	<b>32.2</b>	<b>31.8</b>	<b>32.6</b>	<b>33.1</b>	<b>31.1</b>	<b>32.0</b>	<b>31.6</b>	<b>32.4</b>	<b>32.8</b>
<b>12H</b>	<b>31.5</b>	<b>32.3</b>	<b>31.9</b>	<b>32.7</b>	<b>33.2</b>	<b>31.2</b>	<b>32.0</b>	<b>31.7</b>	<b>32.4</b>	<b>32.9</b>
<b>8H 4H</b>	<b>30.9</b>	<b>31.7</b>	<b>31.3</b>	<b>32.2</b>	<b>32.6</b>	<b>30.7</b>	<b>31.6</b>	<b>31.2</b>	<b>32.0</b>	<b>32.5</b>
<b>6H</b>	<b>31.6</b>	<b>32.3</b>	<b>32.1</b>	<b>32.8</b>	<b>33.2</b>	<b>31.4</b>	<b>32.1</b>	<b>31.9</b>	<b>32.6</b>	<b>33.0</b>
<b>8H</b>	<b>31.8</b>	<b>32.5</b>	<b>32.4</b>	<b>33.0</b>	<b>33.5</b>	<b>31.6</b>	<b>32.2</b>	<b>32.1</b>	<b>32.7</b>	<b>33.2</b>
<b>12H</b>	<b>32.0</b>	<b>32.6</b>	<b>32.6</b>	<b>33.1</b>	<b>33.6</b>	<b>31.8</b>	<b>32.3</b>	<b>32.3</b>	<b>32.8</b>	<b>33.4</b>
<b>12H 4H</b>	<b>30.9</b>	<b>31.7</b>	<b>31.3</b>	<b>32.1</b>	<b>32.6</b>	<b>30.7</b>	<b>31.5</b>	<b>31.2</b>	<b>32.0</b>	<b>32.4</b>
<b>6H</b>	<b>31.6</b>	<b>32.3</b>	<b>32.1</b>	<b>32.7</b>	<b>33.3</b>	<b>31.4</b>	<b>32.1</b>	<b>31.9</b>	<b>32.5</b>	<b>33.1</b>
<b>8H</b>	<b>31.9</b>	<b>32.5</b>	<b>32.5</b>	<b>33.0</b>	<b>33.5</b>	<b>31.7</b>	<b>32.3</b>	<b>32.2</b>	<b>32.8</b>	<b>33.3</b>
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	<b>+ 0.1 / - 0.2</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>+ 0.2 / - 0.4</b>				

CIE Pub.117, 2076 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.5$ )  
Area: 0.01 m2

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-11**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		

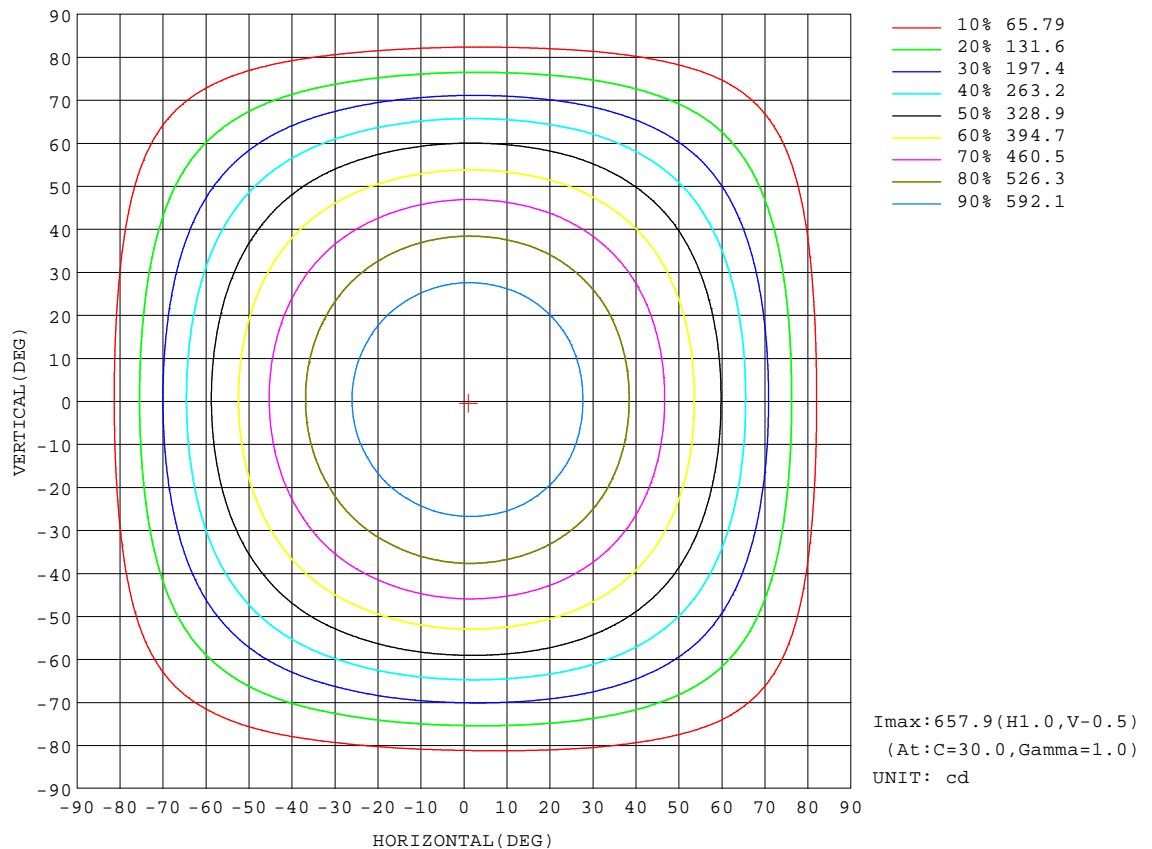
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	53	43	36	30
0.80	66	54	46	65	53	46	62	52	46	38
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	70	63	80	70	63	77	68	62	54
1.50	86	76	69	84	75	68	81	73	67	59
2.00	93	85	78	91	83	77	87	81	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	94	88	98	92	87	94	89	84	75
4.00	105	99	94	102	97	93	98	93	90	80
5.00	108	103	98	105	100	96	100	96	93	83
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:2023-10-11**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz		
Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		



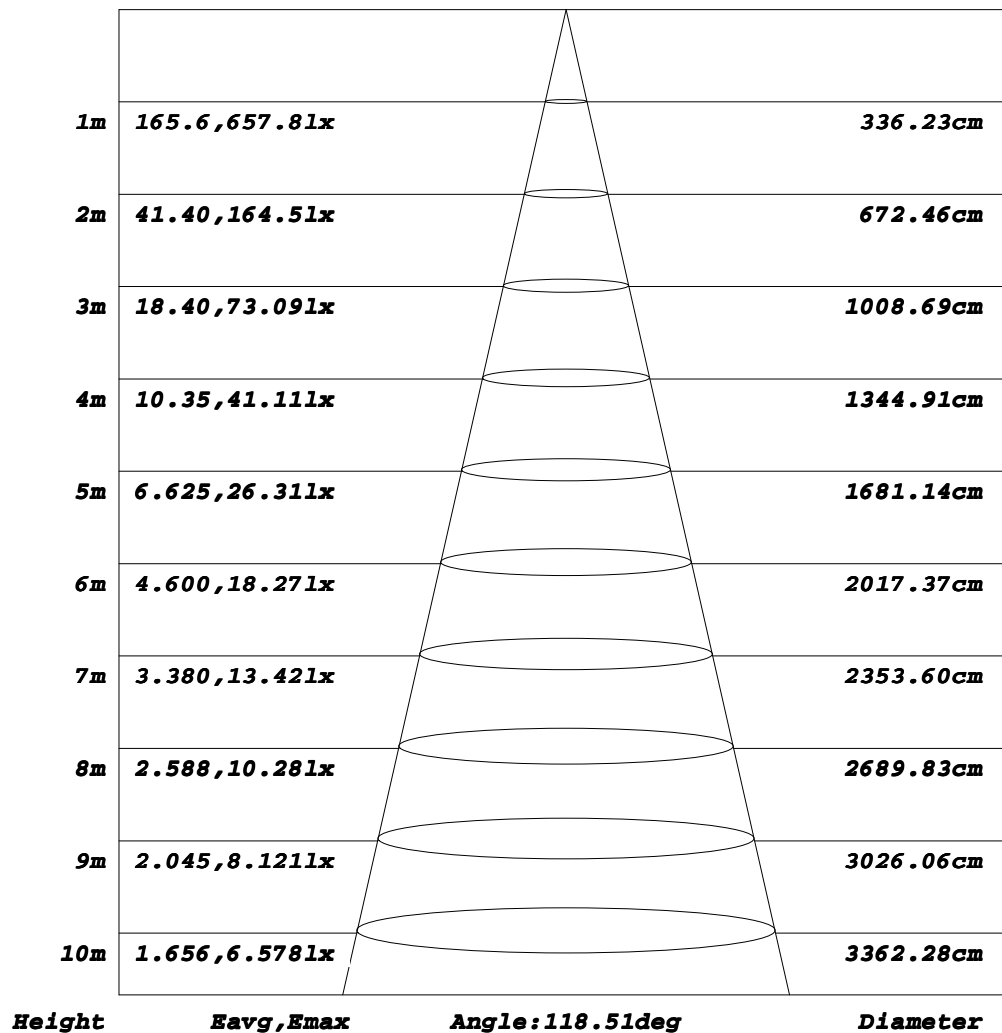
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-11**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**



**AAI Figure**

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz		
Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		

**Flux out:1561 lm**


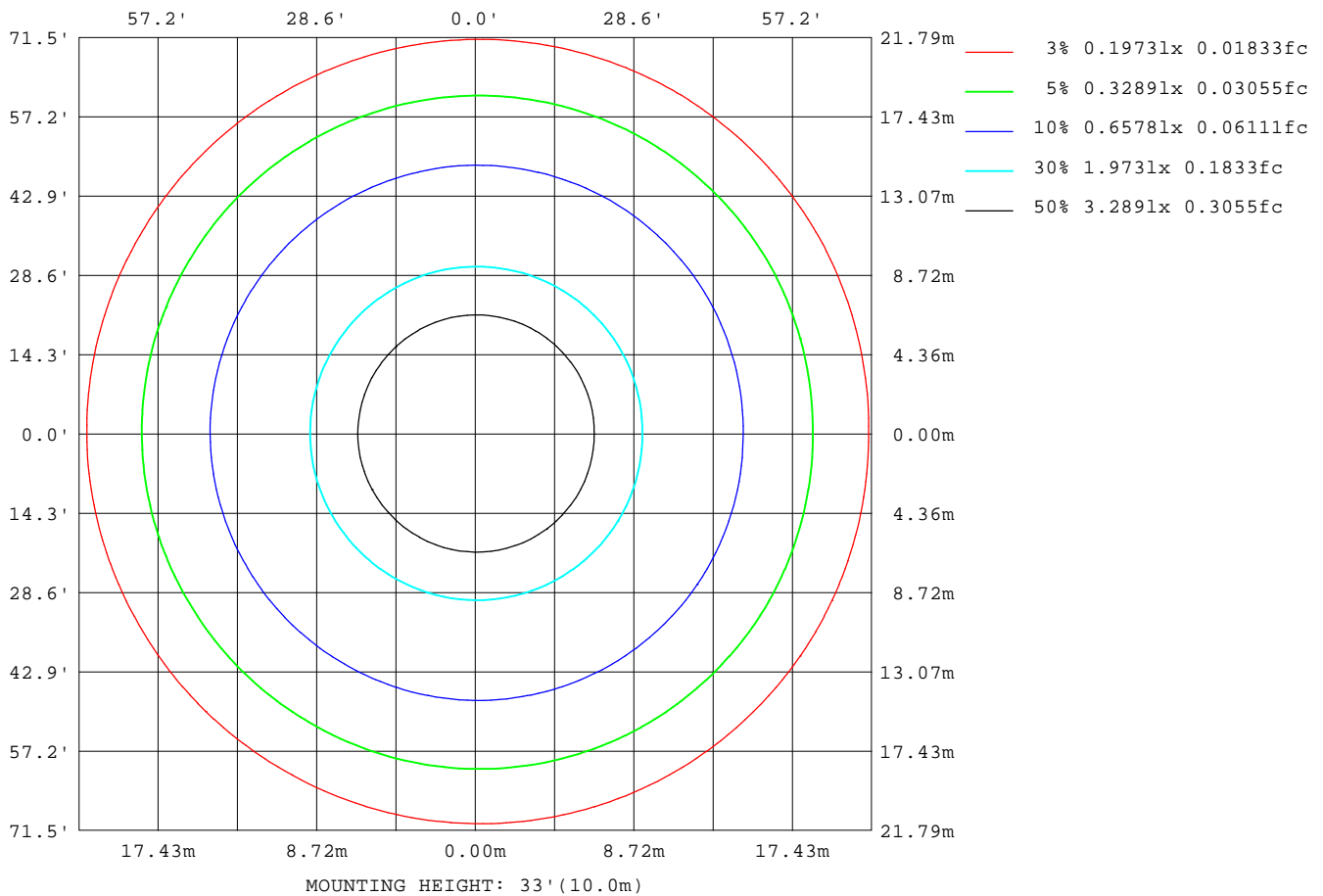
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2023-10-11**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**ISOLUX DIAGRAM**

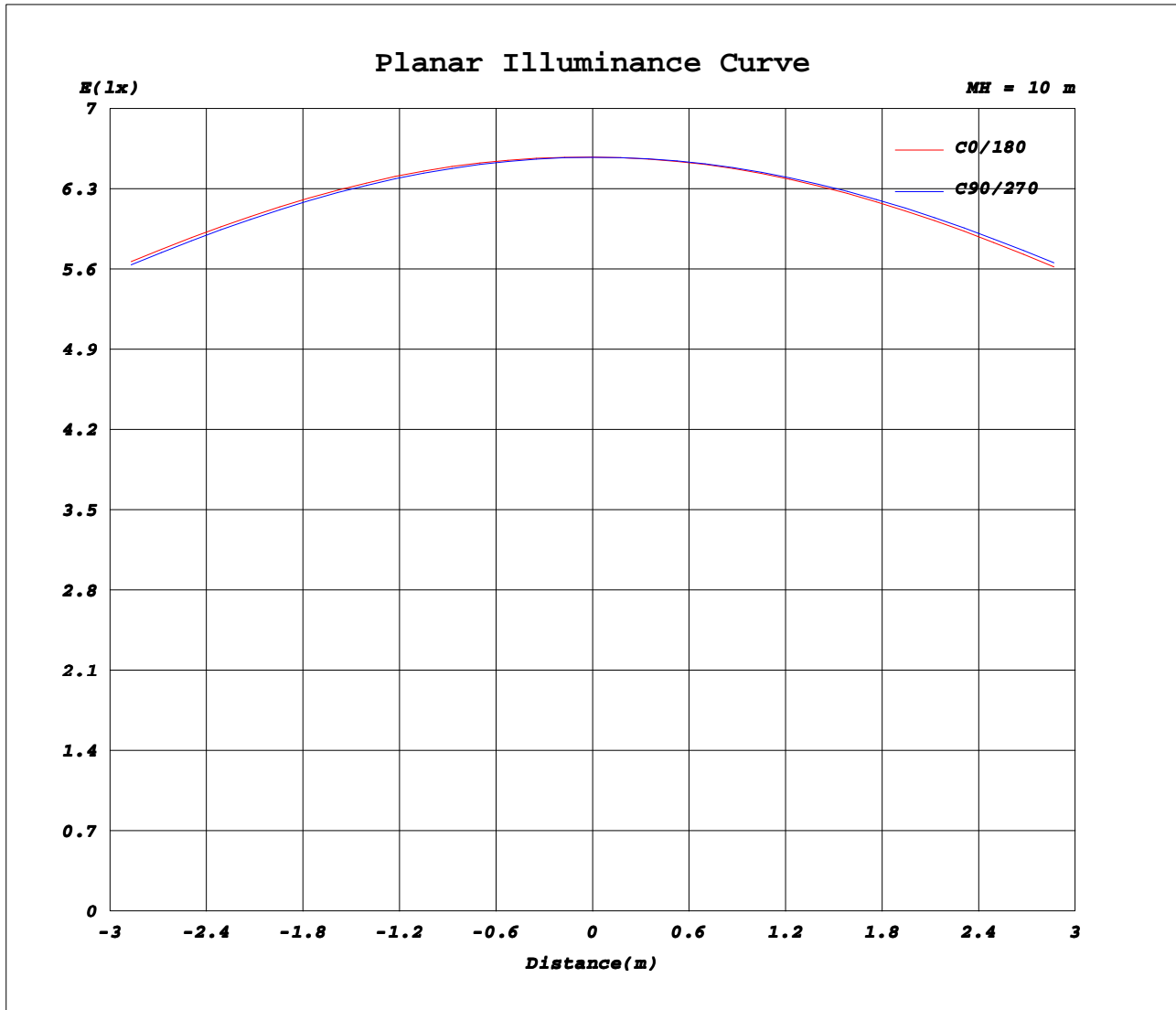
Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2023-10-11**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**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: 2023-10-11**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:24.000V I:0.8170A P:19.600W PF:1.0000 Freq:0Hz		
Lamp Flux:2075.98x1 lm		
Name: 24V-600LM-80CRI-4000K	Type: LED	
MFR.:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	658	658	658	658	658	658	658	658	658	658	658	658						
5	657	657	656	655	655	655	655	655	655	656	656	657						
10	651	651	650	649	648	647	648	648	648	650	651	651						
15	641	641	640	638	636	635	636	636	637	639	641	641						
20	625	626	624	621	619	618	619	619	621	624	626	627						
25	605	605	604	601	597	596	597	598	600	604	606	606						
30	580	581	579	575	571	570	571	572	575	579	582	582						
35	550	551	549	545	541	540	541	542	545	550	553	553						
40	515	515	513	509	504	502	504	506	510	515	518	518						
45	474	475	473	468	463	461	463	465	470	475	479	479						
50	429	431	428	423	417	416	420	421	426	432	435	434						
55	380	381	379	373	367	366	369	371	376	382	386	386						
60	326	328	325	319	312	311	315	318	322	329	333	332						
65	269	270	267	260	254	253	258	260	265	271	276	275						
70	208	210	206	199	193	193	197	200	204	210	215	215						
75	146	148	144	136	131	132	137	139	143	149	153	153						
80	86.5	88.5	84.8	77.7	73.8	74.9	79.5	81.1	84.5	89.9	93.4	92.6						
85	36.9	39.0	36.4	31.0	28.9	29.9	33.0	34.6	37.1	40.4	42.9	42.2						
90	9.08	10.1	7.99	4.63	6.27	8.01	8.63	9.39	8.39	6.87	10.6	12.2						
95	4.89	5.14	4.99	4.72	5.15	5.61	5.88	5.94	5.76	5.49	5.69	5.57						
100	5.42	5.34	5.37	5.49	5.52	5.85	6.35	6.33	6.22	6.14	6.06	5.83						
105	6.04	6.09	6.19	6.31	6.35	6.53	6.84	6.96	6.96	6.88	6.77	6.51						
110	6.88	6.92	7.01	7.13	7.22	7.39	7.60	7.75	7.75	7.62	7.51	7.28						
115	7.74	7.75	7.83	7.96	8.09	8.25	8.43	8.59	8.57	8.39	8.27	8.07						
120	8.61	8.59	8.65	8.78	8.96	9.12	9.25	9.43	9.39	9.16	9.05	8.88						
125	9.47	9.41	9.46	9.60	9.83	9.99	10.1	10.3	10.2	9.95	9.83	9.68						
130	10.3	10.2	10.3	10.4	10.7	10.9	10.8	11.1	11.0	10.7	10.6	10.5						
135	11.1	11.0	11.1	11.2	11.6	11.7	11.6	11.8	11.8	11.5	11.4	11.3						
140	11.9	11.8	11.9	12.0	12.4	12.4	12.3	12.6	12.6	12.3	12.1	12.0						
145	12.6	12.5	12.6	12.8	13.1	13.2	12.9	13.2	13.3	13.0	12.9	12.8						
150	13.3	13.3	13.4	13.5	13.9	13.8	13.5	13.9	13.9	13.7	13.6	13.4						
155	14.0	14.0	14.1	14.3	14.6	14.5	14.1	14.4	14.5	14.3	14.2	14.1						
160	14.7	14.7	14.8	15.0	15.2	15.1	14.8	15.0	15.1	15.0	14.9	14.8						
165	15.3	15.3	15.4	15.6	15.8	15.7	15.3	15.5	15.6	15.5	15.5	15.5						
170	15.8	15.9	16.0	16.1	16.3	16.1	15.8	15.9	16.1	16.0	16.0	16.0						
175	16.2	16.3	16.4	16.4	16.6	16.5	16.1	16.3	16.4	16.4	16.4	16.4						
180	16.4	16.5	16.6	16.6	16.7	16.6	16.4	16.5	16.6	16.6	16.7	16.7						

**C Range: 0 - 360DEG**  
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**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-11**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**