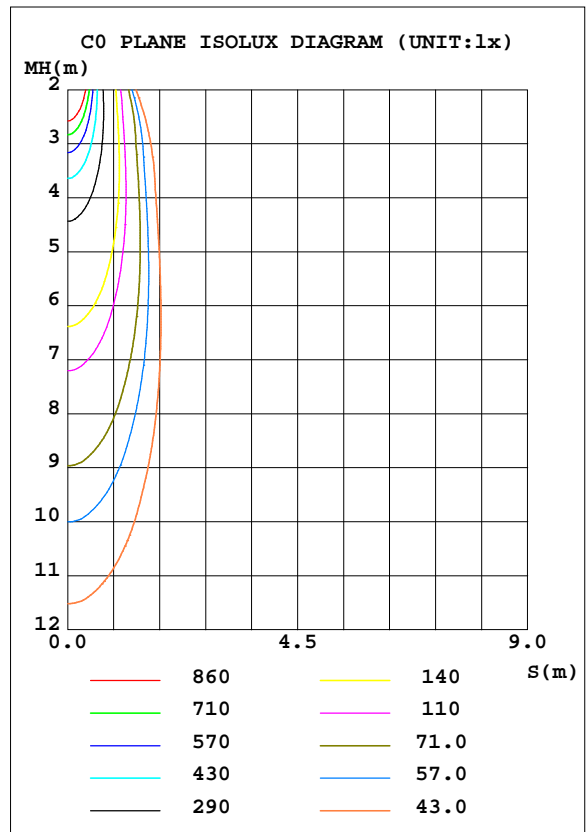
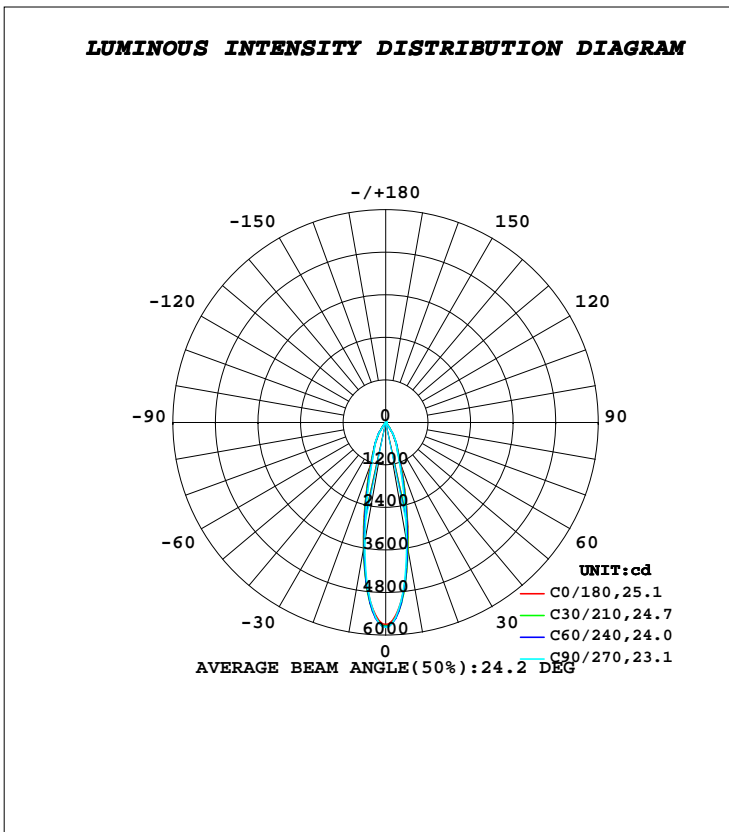


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.63 lm/W			
MODEL		I <sub>max</sub> (cd)	5776	S/MH(C0/180)	0.42
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1570.3	η UP, DN(C0-180)	1.4, 48.6
NOMINAL FLUX(lm)	1570.33	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 48.6
LAMPS INSIDE	1	η up(%)	2.8	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	97.2	CIBSE SHR MAX	0.30



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-04**

**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:**

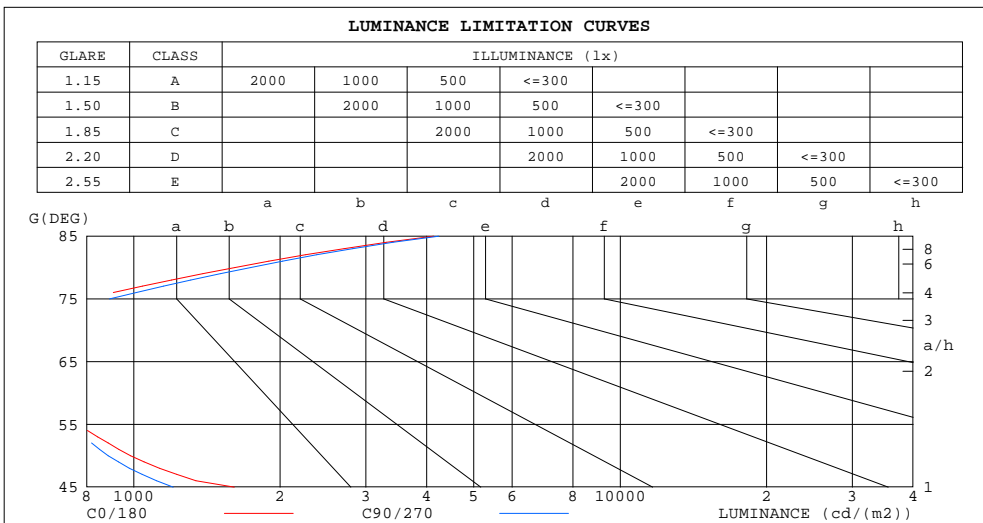
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	3615	3560	3405	3560	3615	3560	3405	3560	0- 10	435.2	435.2	27.7,27.7
20	1249	1180	1095	1180	1249	1180	1095	1180	10- 20	581.7	1017	64.8,64.8
30	484.9	503.7	496.5	503.7	484.9	503.7	496.5	503.7	20- 30	354.5	1371	87.3,87.3
40	61.88	40.02	16.43	40.02	61.88	40.02	16.43	40.02	30- 40	144.5	1516	96.5,96.5
50	2.091	2.019	1.881	2.019	2.091	2.019	1.881	2.019	40- 50	6.376	1522	96.9,96.9
60	0.9383	0.9179	0.8467	0.9179	0.9383	0.9179	0.8467	0.9179	50- 60	1.278	1524	97,97
70	0.5095	0.5649	0.5650	0.5649	0.5095	0.5649	0.5650	0.5649	60- 70	0.6104	1524	97.1,97.1
80	0.9256	1.012	0.9967	1.012	0.9256	1.012	0.9967	1.012	70- 80	0.8049	1525	97.1,97.1
90	1.393	1.458	1.411	1.458	1.393	1.458	1.411	1.458	80- 90	1.343	1526	97.2,97.2
100	1.907	1.923	1.848	1.923	1.907	1.923	1.848	1.923	90-100	1.803	1528	97.3,97.3
110	2.926	2.916	2.864	2.916	2.926	2.916	2.864	2.916	100-110	2.469	1531	97.5,97.5
120	4.706	4.734	4.724	4.734	4.706	4.734	4.724	4.734	110-120	3.711	1534	97.7,97.7
130	7.519	7.453	7.433	7.453	7.519	7.453	7.433	7.453	120-130	5.360	1540	98,98
140	11.60	11.54	11.61	11.54	11.60	11.54	11.61	11.54	130-140	7.219	1547	98.5,98.5
150	16.16	16.22	16.36	16.22	16.16	16.22	16.36	16.22	140-150	8.700	1556	99.1,99.1
160	18.47	18.92	19.17	18.92	18.47	18.92	19.17	18.92	150-160	8.239	1564	99.6,99.6
170	15.74	16.27	16.41	16.27	15.74	16.27	16.41	16.27	160-170	5.123	1569	99.9,99.9
180	13.30	13.54	13.69	13.54	13.30	13.54	13.69	13.54	170-180	1.432	1570	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:2022-05-04**

**$\gamma$  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:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4137	4241
80	1615	1739
75	799	891
70	451	501
65	414	367
60	569	513
55	764	725
50	986	887
45	1610	1205

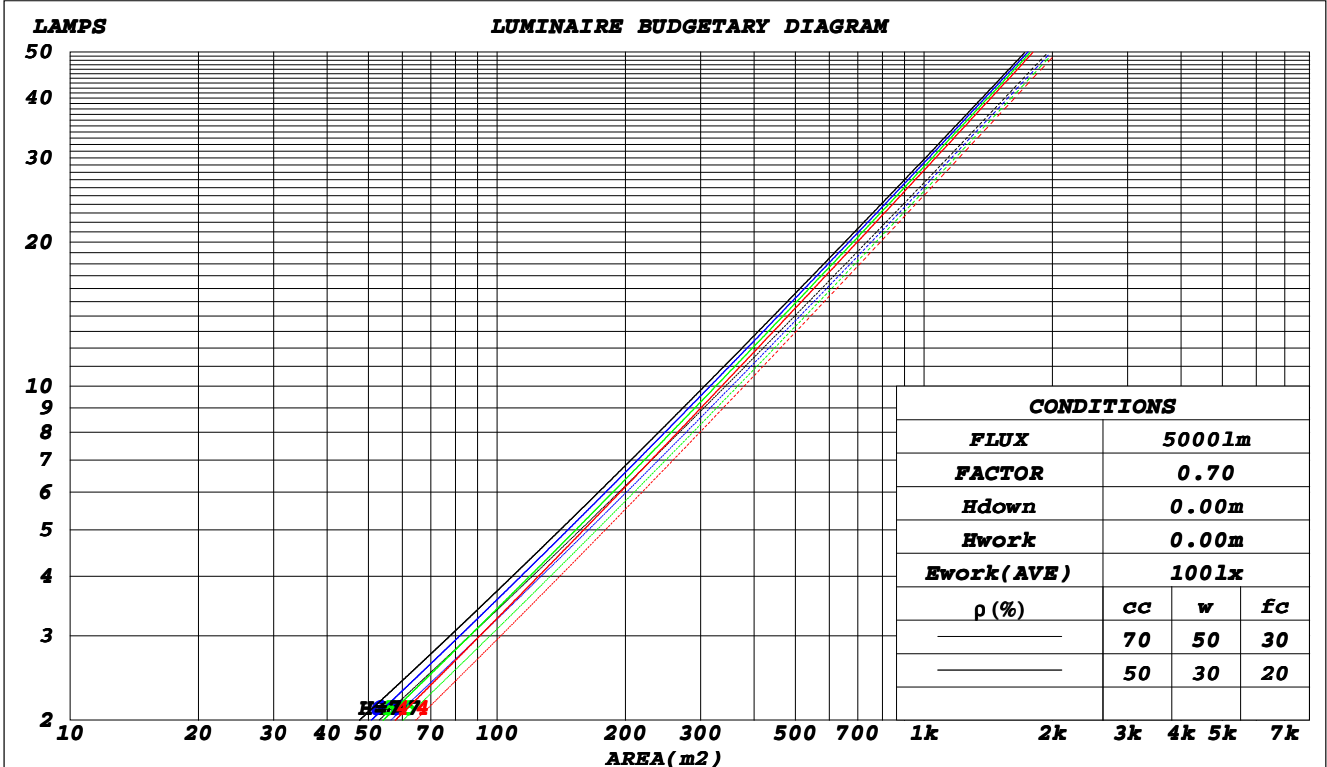
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-04**

**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:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	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	1.12	1.09	1.08	1.09	1.07	1.06	1.05	1.03	1.02	1.00	.99	.98	.97	.96	.95	.93
2.0	1.06	1.02	.99	1.04	1.01	.98	1.00	.98	.96	.97	.95	.93	.94	.92	.91	.89
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.90	.93	.91	.89	.91	.89	.87	.85
4.0	.96	.91	.88	.94	.90	.87	.92	.89	.86	.90	.87	.85	.88	.85	.83	.82
5.0	.91	.87	.83	.90	.86	.83	.88	.85	.82	.86	.83	.81	.85	.82	.80	.79
6.0	.88	.83	.79	.87	.82	.79	.85	.81	.78	.83	.80	.78	.82	.79	.77	.76
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.77	.75	.79	.76	.74	.73
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.71	.68	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.67	.66



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-05-04

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:

**WEC AND CCEC**

Test:U:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.150	.086	.027	.143	.082	.026	.129	.074	.024	.116	.067	.021	.104	.060	.019	
2.0	.140	.077	.024	.134	.074	.023	.122	.068	.021	.111	.063	.020	.101	.057	.018	
3.0	.132	.070	.021	.126	.068	.020	.116	.063	.019	.107	.059	.018	.098	.054	.017	
4.0	.124	.064	.019	.119	.063	.018	.111	.059	.018	.103	.055	.017	.095	.052	.016	
5.0	.117	.060	.017	.113	.058	.017	.106	.055	.016	.099	.052	.016	.092	.049	.015	
6.0	.111	.056	.016	.108	.055	.016	.101	.052	.015	.095	.049	.015	.089	.047	.014	
7.0	.106	.052	.015	.103	.051	.015	.097	.049	.014	.092	.047	.014	.087	.045	.013	
8.0	.101	.050	.014	.099	.049	.014	.093	.047	.013	.088	.045	.013	.084	.043	.013	
9.0	.097	.047	.013	.095	.046	.013	.090	.044	.013	.085	.043	.012	.081	.041	.012	
10.0	.093	.045	.012	.091	.044	.012	.087	.042	.012	.083	.041	.012	.079	.040	.011	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.191	.179	.169	.163	.154	.145	.112	.106	.100	.064	.061	.058	.021	.020	.019	
2.0	.174	.154	.138	.149	.133	.119	.102	.092	.083	.059	.053	.049	.019	.017	.016	
3.0	.160	.135	.116	.137	.117	.100	.094	.081	.070	.054	.047	.041	.017	.015	.014	
4.0	.148	.120	.099	.127	.104	.086	.087	.072	.060	.050	.042	.036	.016	.014	.012	
5.0	.138	.108	.086	.119	.094	.075	.082	.065	.053	.047	.038	.031	.015	.013	.010	
6.0	.130	.098	.076	.111	.085	.066	.077	.060	.047	.045	.035	.028	.014	.011	.009	
7.0	.123	.090	.068	.105	.078	.059	.073	.055	.042	.042	.032	.025	.014	.011	.008	
8.0	.116	.084	.062	.100	.073	.054	.069	.051	.038	.040	.030	.023	.013	.010	.008	
9.0	.111	.078	.056	.096	.068	.049	.066	.048	.035	.039	.028	.021	.012	.009	.007	
10.0	.106	.074	.052	.092	.064	.046	.064	.045	.032	.037	.027	.019	.012	.009	.006	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-04**

**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:**

**UGR(Unified Glare Rating) Table**

Test:U:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	

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				
<b>x = 2H y = 2H</b>	16.0	16.7	16.2	16.9	17.1	15.6	16.3	15.8	16.5	16.7
3H	15.8	16.5	16.1	16.7	16.9	15.4	16.1	15.7	16.3	16.5
4H	15.7	16.4	16.0	16.6	16.9	15.3	15.9	15.6	16.2	16.5
6H	15.6	16.2	16.0	16.5	16.8	15.2	15.8	15.6	16.1	16.4
8H	15.6	16.2	15.9	16.5	16.8	15.2	15.8	15.5	16.1	16.4
12H	15.6	16.1	15.9	16.4	16.8	15.2	15.7	15.5	16.0	16.4
<b>4H 2H</b>	15.7	16.3	16.0	16.6	16.9	15.3	15.9	15.6	16.2	16.5
3H	15.5	16.1	15.9	16.4	16.7	15.1	15.7	15.5	16.0	16.3
4H	15.4	15.9	15.8	16.3	16.6	15.0	15.5	15.4	15.9	16.2
6H	15.3	15.8	15.8	16.2	16.6	14.9	15.4	15.4	15.8	16.2
8H	15.3	15.7	15.7	16.1	16.5	14.9	15.3	15.3	15.7	16.1
12H	15.3	15.7	15.8	16.1	16.5	14.9	15.3	15.4	15.7	16.2
<b>8H 4H</b>	15.3	15.7	15.7	16.1	16.5	14.9	15.3	15.3	15.7	16.1
6H	15.2	15.5	15.7	16.0	16.4	14.8	15.1	15.3	15.6	16.0
8H	15.2	15.5	15.7	15.9	16.4	14.8	15.1	15.3	15.5	16.0
12H	15.2	15.5	15.7	15.9	16.5	14.8	15.1	15.3	15.6	16.1
<b>12H 4H</b>	15.2	15.6	15.7	16.0	16.5	14.8	15.2	15.3	15.6	16.0
6H	15.1	15.4	15.6	15.9	16.4	14.7	15.0	15.2	15.5	16.0
8H	15.1	15.4	15.6	15.9	16.4	14.7	15.0	15.2	15.5	16.0
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	+ 4.8 / - 9.4					+ 4.5 / - 6.3				
1.5H	+ 7.6 / - 9.6					+ 7.2 / - 6.5				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1570 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.6)  
 Area: 0.0033 m2

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-04**

**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:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	

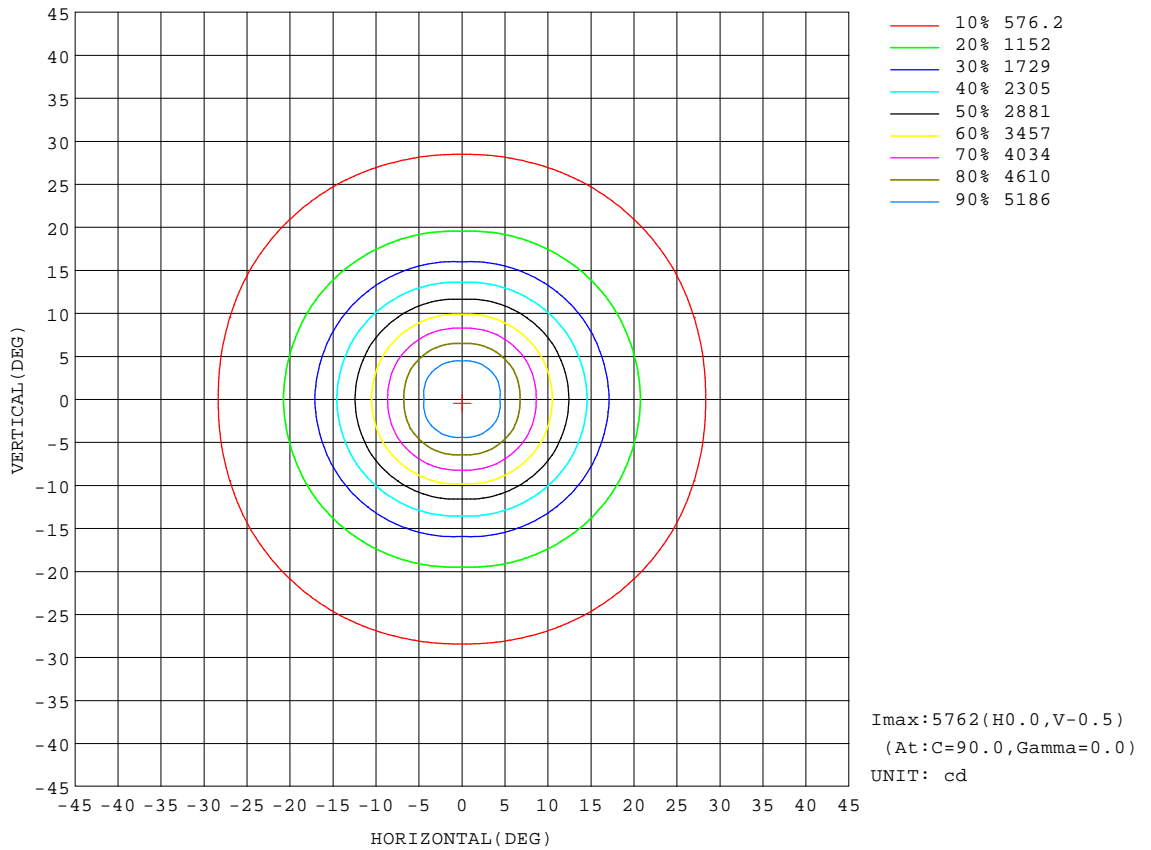
REFLECTANCE										
<b>Ceiling</b>	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
<b>Walls</b>	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
<b>Working plane</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS(PERCENT) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	89	84	80	89	83	80	88	83	80	77
<b>0.80</b>	96	91	88	96	91	88	94	90	87	83
<b>1.00</b>	100	95	92	99	95	91	97	94	91	87
<b>1.25</b>	104	99	96	103	98	95	100	97	94	90
<b>1.50</b>	106	102	99	105	101	98	102	99	97	92
<b>2.00</b>	109	105	102	107	103	101	104	101	99	93
<b>2.50</b>	110	107	104	108	105	103	105	102	100	94
<b>3.00</b>	112	108	106	110	107	104	106	104	102	95
<b>4.00</b>	114	111	109	111	109	107	107	105	104	96
<b>5.00</b>	115	113	111	112	111	109	108	107	106	97
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
<b>According to DIN EN 13032-2 2004</b>			<b>Suspended</b>					<b>SHRNOM = 1.25</b>		

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-04**

**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:**

**ISOCANDELA DIAGRAM**

Test:U:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-04**

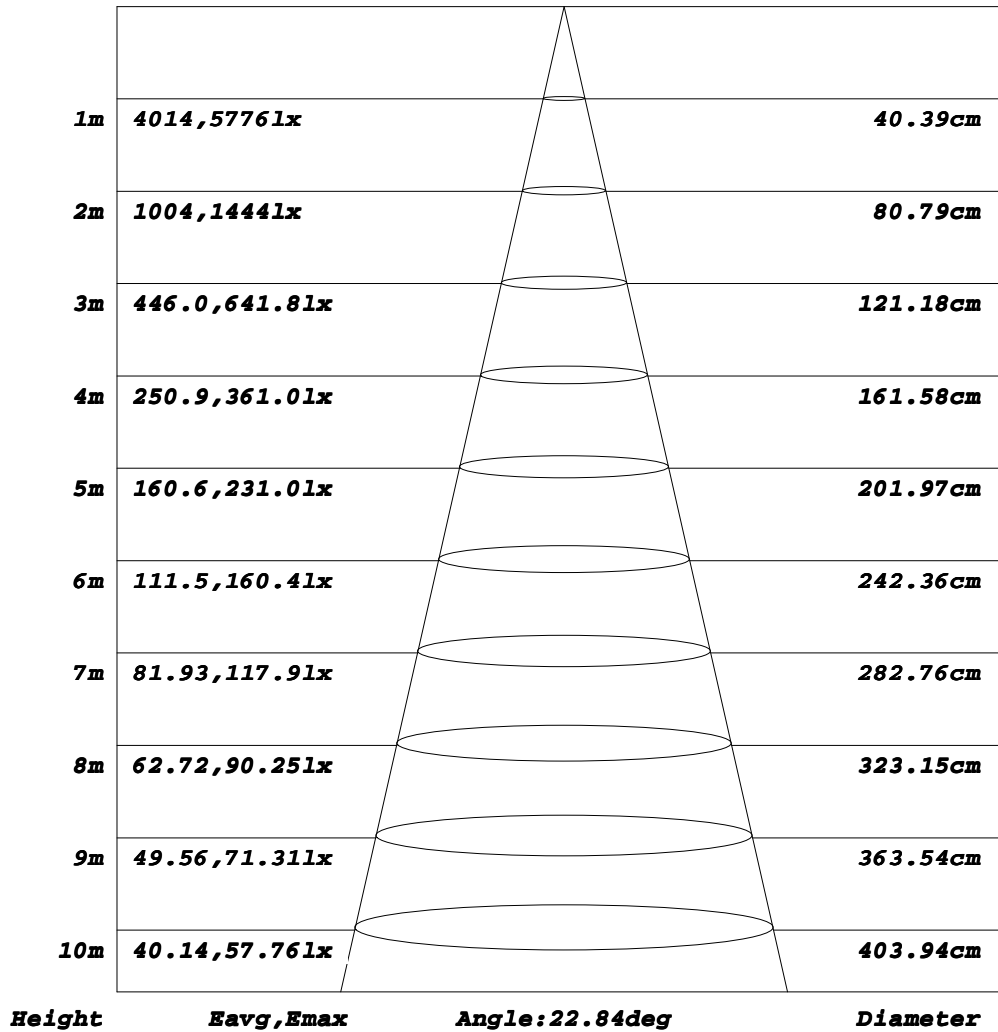
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**



**AAI Figure**

Test:U:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	

**Flux out:569.8 lm**



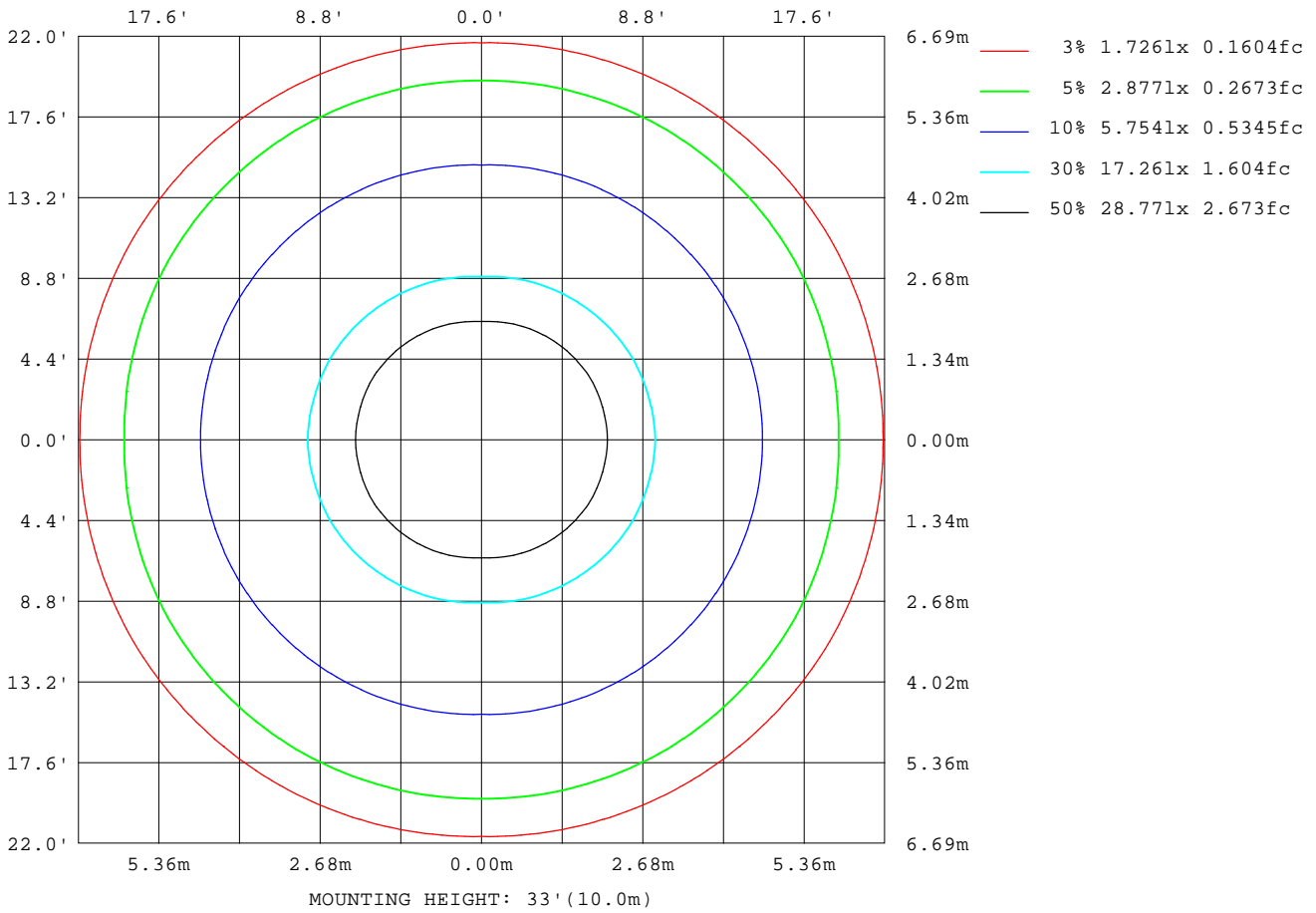
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-04**

**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**

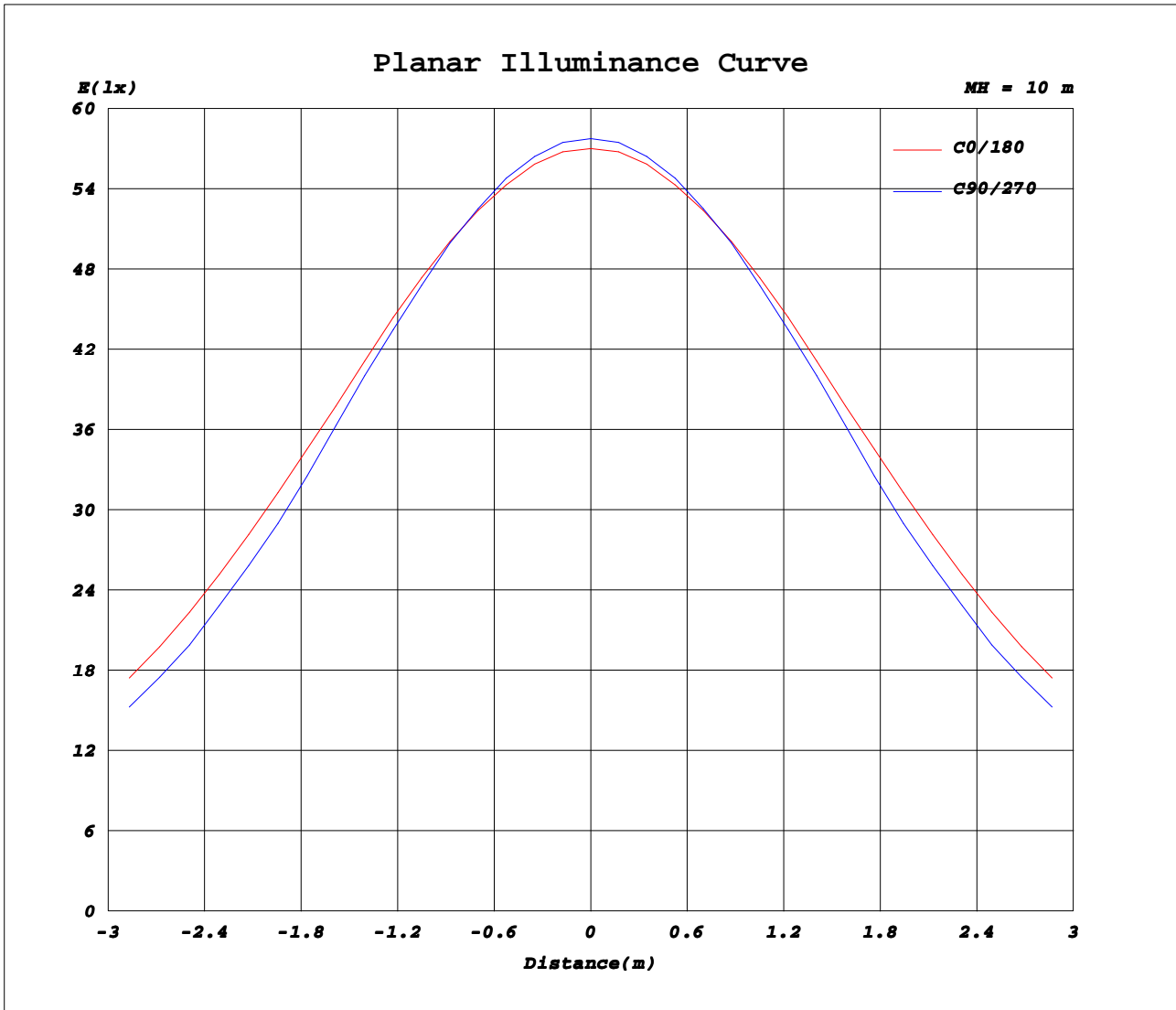
Test:U:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
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**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: 2022-05-04**

**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:221.70V I:0.0580A P:12.500W PF:0.9520 Freq:50.00Hz		
Lamp Flux:1570.33x1 lm		
Name: NS13-φ86mm-12W	Type: LED	
MFR.: Lumega Group	DIM.: D86*H109mm	
	SUR.: D65mm	

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	5702	5734	5760	5776	5760	5734	5702	5734	5760	5776	5760	5734							
5	5065	5124	5107	5055	5107	5124	5065	5124	5107	5055	5107	5124							
10	3615	3606	3514	3405	3514	3606	3615	3606	3514	3405	3514	3606							
15	2195	2145	2042	1941	2042	2145	2195	2145	2042	1941	2042	2145							
20	1249	1210	1150	1095	1150	1210	1249	1210	1150	1095	1150	1210							
25	773	770	755	738	755	770	773	770	755	738	755	770							
30	485	503	504	496	504	503	485	503	504	496	504	503							
35	235	231	215	196	215	231	235	231	215	196	215	231							
40	61.9	48.6	31.5	16.4	31.5	48.6	61.9	48.6	31.5	16.4	31.5	48.6							
45	3.76	3.49	3.12	2.81	3.12	3.49	3.76	3.49	3.12	2.81	3.12	3.49							
50	2.09	2.06	1.98	1.88	1.98	2.06	2.09	2.06	1.98	1.88	1.98	2.06							
55	1.45	1.46	1.43	1.37	1.43	1.46	1.45	1.46	1.43	1.37	1.43	1.46							
60	0.94	0.94	0.90	0.85	0.90	0.94	0.94	0.94	0.90	0.85	0.90	0.94							
65	0.58	0.57	0.55	0.51	0.55	0.57	0.58	0.57	0.55	0.51	0.55	0.57							
70	0.51	0.56	0.57	0.57	0.57	0.56	0.51	0.56	0.57	0.57	0.57	0.56							
75	0.68	0.75	0.78	0.76	0.78	0.75	0.68	0.75	0.78	0.76	0.78	0.75							
80	0.93	1.00	1.02	1.00	1.02	1.00	0.93	1.00	1.02	1.00	1.02	1.00							
85	1.19	1.26	1.26	1.22	1.26	1.26	1.19	1.26	1.26	1.22	1.26	1.26							
90	1.39	1.46	1.46	1.41	1.46	1.46	1.39	1.46	1.46	1.41	1.46	1.46							
95	1.60	1.67	1.66	1.61	1.66	1.67	1.60	1.67	1.66	1.61	1.66	1.67							
100	1.91	1.94	1.91	1.85	1.91	1.94	1.91	1.94	1.91	1.85	1.91	1.94							
105	2.33	2.34	2.29	2.23	2.29	2.34	2.33	2.34	2.29	2.23	2.29	2.34							
110	2.93	2.93	2.90	2.86	2.90	2.93	2.93	2.93	2.90	2.86	2.90	2.93							
115	3.70	3.72	3.72	3.70	3.72	3.72	3.70	3.72	3.72	3.70	3.72	3.72							
120	4.71	4.73	4.74	4.72	4.74	4.73	4.71	4.73	4.74	4.72	4.74	4.73							
125	5.94	5.96	5.96	5.95	5.96	5.96	5.94	5.96	5.96	5.95	5.96	5.96							
130	7.52	7.47	7.44	7.43	7.44	7.47	7.52	7.47	7.44	7.43	7.44	7.47							
135	9.38	9.30	9.29	9.32	9.29	9.30	9.38	9.30	9.29	9.32	9.29	9.30							
140	11.6	11.5	11.5	11.6	11.5	11.5	11.6	11.5	11.5	11.6	11.5	11.5							
145	14.0	13.9	14.0	14.1	14.0	13.9	14.0	13.9	14.0	14.1	14.0	13.9							
150	16.2	16.2	16.3	16.4	16.3	16.2	16.2	16.2	16.3	16.4	16.3	16.2							
155	17.8	18.0	18.1	18.3	18.1	18.0	17.8	18.0	18.1	18.3	18.1	18.0							
160	18.5	18.8	19.0	19.2	19.0	18.8	18.5	18.8	19.0	19.2	19.0	18.8							
165	17.6	18.1	18.3	18.4	18.3	18.1	17.6	18.1	18.3	18.4	18.3	18.1							
170	15.7	16.2	16.4	16.4	16.4	16.2	15.7	16.2	16.4	16.4	16.4	16.2							
175	14.1	14.3	14.5	14.4	14.5	14.3	14.1	14.3	14.5	14.4	14.5	14.3							
180	13.3	13.5	13.6	13.7	13.6	13.5	13.3	13.5	13.6	13.7	13.6	13.5							

**C Range: 0 - 360DEG**  
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**Test Speed: HIGH**  
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**Operators:DAMIN**  
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**γ Range: 0 - 180DEG**  
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**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
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