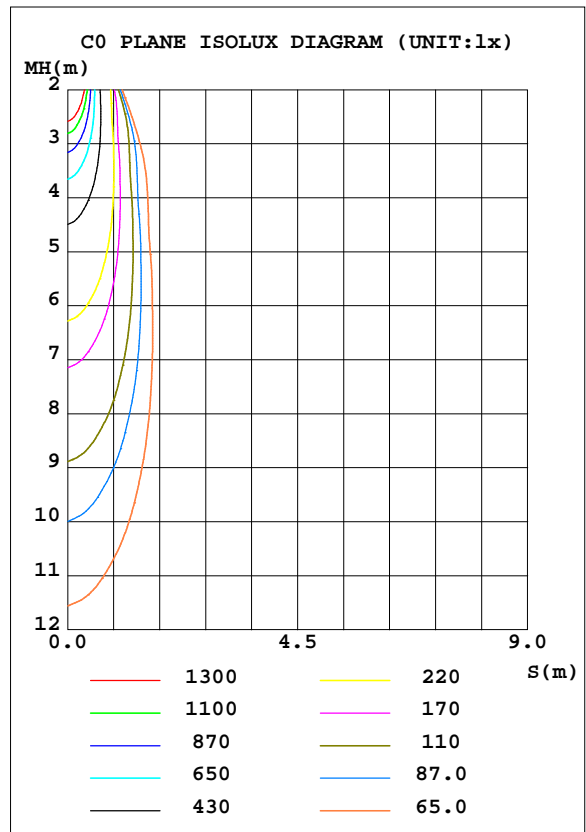
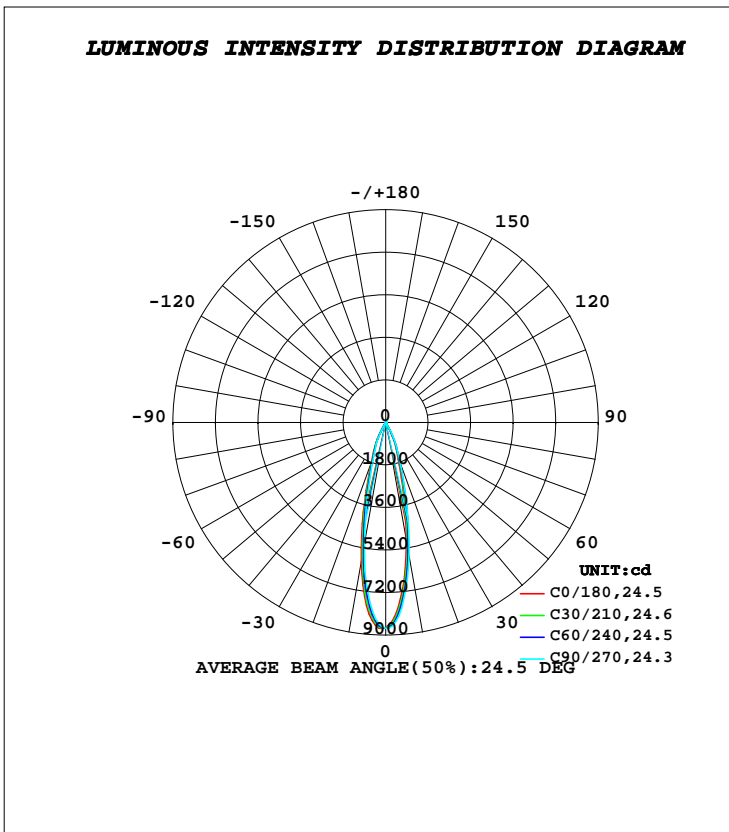


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.12 lm/W			
MODEL		I <sub>max</sub> (cd)	8731	S/MH(C0/180)	0.39
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2041.7	η UP, DN(C0-180)	1.3,49.6
NOMINAL FLUX(lm)	2041.69	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.6,47.4
LAMPS INSIDE	1	η up(%)	3.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	221.6	η down(%)	97.0	CIBSE SHR MAX	0.30



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-14**

**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:**

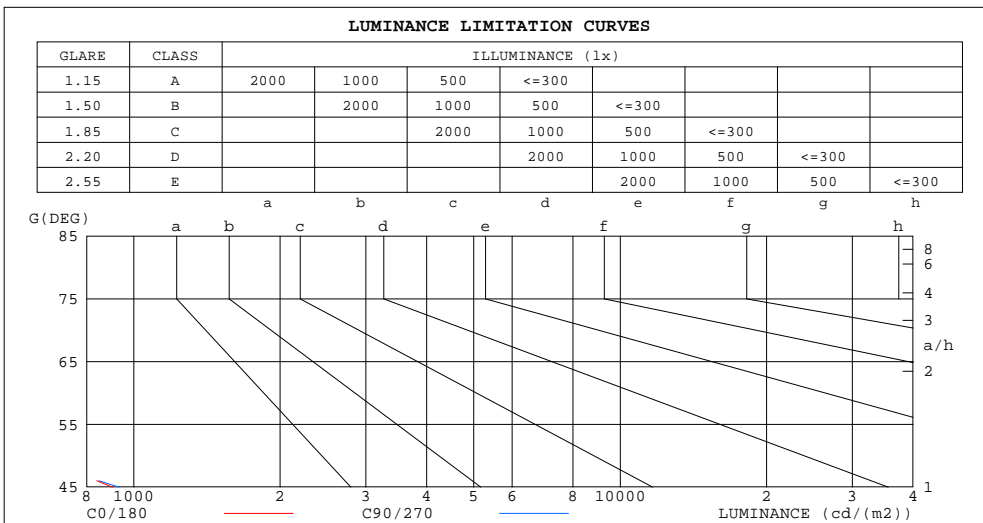
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	5064	5418	5693	5910	5968	5590	5170	5040	0- 10	667.9	667.9	32.7,32.7
20	1477	1650	1758	1782	1746	1615	1485	1453	10- 20	867.4	1535	75.2,75.2
30	154.6	233.9	290.5	323.1	324.2	253.1	175.9	151.1	20- 30	407.7	1943	95.2,95.2
40	7.700	7.877	8.644	10.62	12.25	11.48	10.06	8.897	30- 40	27.84	1971	96.5,96.5
50	2.847	2.670	2.774	3.392	3.963	3.822	3.478	3.178	40- 50	4.382	1975	96.7,96.7
60	0.9778	0.7962	0.7702	1.001	1.263	1.343	1.330	1.200	50- 60	1.676	1977	96.8,96.8
70	0.6128	0.3752	0.4524	1.062	1.708	1.936	1.883	1.409	60- 70	1.077	1978	96.9,96.9
80	0.3272	0.0528	0.3172	1.518	2.732	3.066	2.851	1.883	70- 80	1.466	1979	97,97
90	0.4474	0.0916	0.4159	1.928	3.445	3.787	3.459	2.289	80- 90	1.978	1981	97,97
100	1.008	0.6006	0.8861	2.374	3.884	4.252	3.960	2.820	90-100	2.408	1984	97.2,97.2
110	2.419	1.946	2.125	3.414	4.761	5.168	4.996	4.020	100-110	3.130	1987	97.3,97.3
120	4.751	4.180	4.323	5.672	7.109	7.594	7.467	6.451	110-120	4.665	1992	97.5,97.5
130	8.408	7.594	7.543	8.752	10.11	10.60	10.57	9.783	120-130	6.648	1998	97.9,97.9
140	14.79	13.79	13.43	14.07	14.93	15.35	15.52	15.30	130-140	8.987	2007	98.3,98.3
150	22.64	21.29	20.72	21.43	22.33	22.37	22.26	22.40	140-150	11.35	2019	98.9,98.9
160	29.54	28.21	27.65	28.41	29.22	28.54	27.87	28.37	150-160	11.64	2030	99.4,99.4
170	32.27	31.34	30.99	31.72	32.27	30.71	29.33	30.14	160-170	8.522	2039	99.9,99.9
180	31.35	29.76	29.16	30.29	31.43	30.33	29.21	29.80	170-180	2.934	2042	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:2022-05-14**

**$\gamma$  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:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	545	524
80	269	261
75	247	199
70	256	189
65	258	197
60	279	220
55	392	375
50	633	617
45	904	931

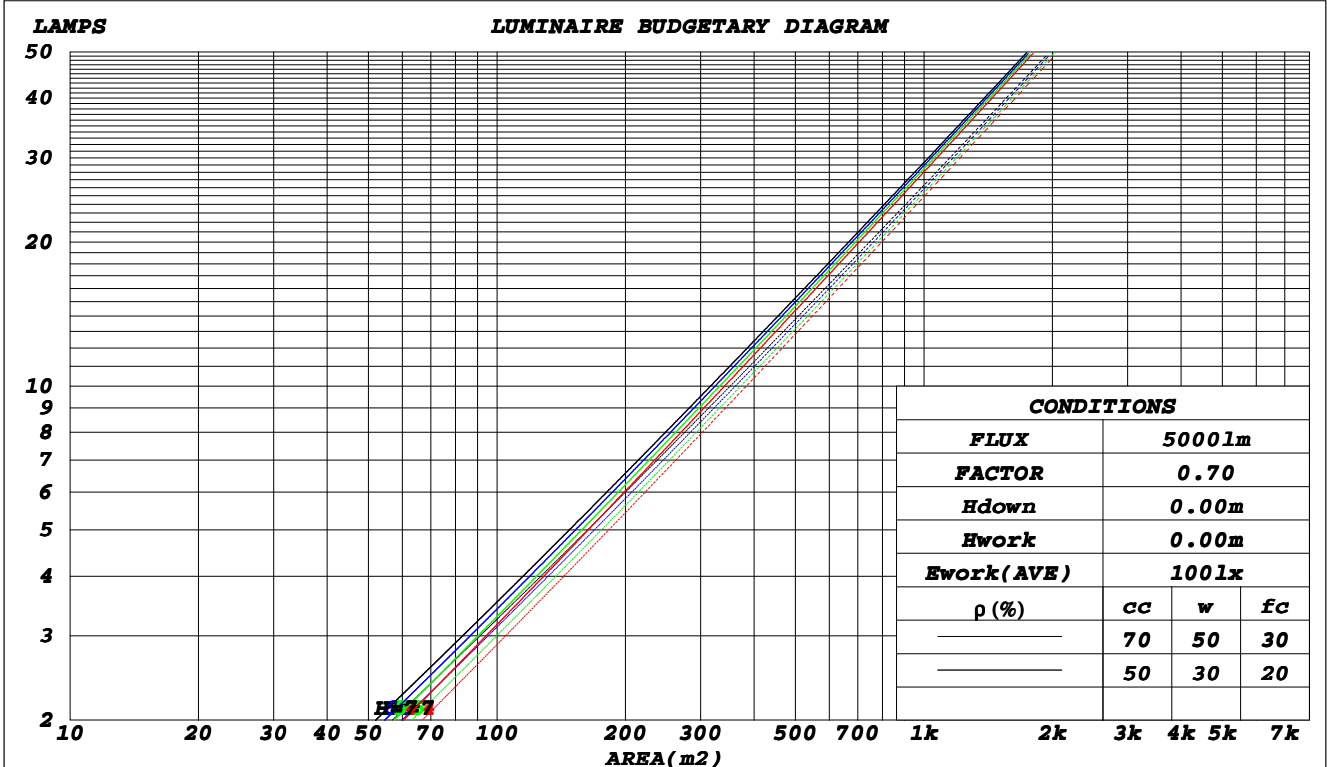
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-14**

**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:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.07	1.03	1.01	1.05	1.02	.00	1.01	.99	.97	.98	.96	.94	.95	.93	.92	.91
3.0	1.02	.98	.95	1.00	.97	.94	.97	.95	.92	.95	.93	.91	.92	.90	.89	.88
4.0	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.89	.87	.90	.88	.86	.85
5.0	.94	.90	.87	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.91	.86	.83	.90	.86	.83	.88	.85	.82	.87	.84	.81	.85	.83	.81	.80
7.0	.88	.83	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
8.0	.85	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
9.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73
10.0	.80	.76	.73	.79	.75	.73	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-05-14

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:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	

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	.141	.080	.025	.134	.076	.024	.120	.069	.022	.107	.062	.020	.095	.055	.018	
2.0	.130	.071	.022	.124	.068	.021	.112	.062	.019	.101	.057	.018	.091	.052	.016	
3.0	.121	.065	.019	.116	.062	.019	.106	.057	.017	.097	.053	.016	.088	.049	.015	
4.0	.114	.059	.017	.109	.057	.017	.101	.053	.016	.093	.050	.015	.085	.046	.014	
5.0	.107	.055	.016	.103	.053	.015	.096	.050	.015	.089	.047	.014	.082	.044	.013	
6.0	.101	.051	.015	.098	.049	.014	.091	.047	.014	.085	.044	.013	.080	.042	.012	
7.0	.096	.048	.013	.093	.046	.013	.087	.044	.013	.082	.042	.012	.077	.040	.012	
8.0	.092	.045	.013	.089	.044	.012	.084	.042	.012	.079	.040	.012	.075	.038	.011	
9.0	.088	.042	.012	.085	.042	.012	.081	.040	.011	.076	.038	.011	.072	.037	.011	
10.0	.084	.040	.011	.082	.040	.011	.078	.038	.011	.074	.037	.010	.070	.035	.010	

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	.213	.213	.213	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.191	.180	.170	.164	.155	.147	.112	.106	.101	.064	.062	.059	.021	.020	.019	
2.0	.174	.156	.140	.149	.134	.121	.102	.093	.085	.059	.054	.050	.019	.017	.016	
3.0	.159	.136	.118	.136	.118	.103	.093	.082	.072	.054	.048	.042	.017	.015	.014	
4.0	.147	.121	.102	.126	.105	.088	.086	.073	.062	.050	.043	.037	.016	.014	.012	
5.0	.136	.109	.089	.117	.094	.077	.081	.066	.054	.047	.039	.032	.015	.013	.011	
6.0	.127	.099	.079	.110	.086	.068	.076	.060	.048	.044	.035	.029	.014	.012	.009	
7.0	.120	.091	.070	.103	.079	.061	.071	.055	.044	.041	.033	.026	.013	.011	.009	
8.0	.114	.084	.064	.098	.073	.056	.068	.051	.040	.039	.030	.024	.013	.010	.008	
9.0	.108	.079	.059	.093	.068	.051	.064	.048	.036	.038	.028	.022	.012	.009	.007	
10.0	.103	.074	.054	.089	.064	.047	.062	.045	.034	.036	.027	.020	.012	.009	.007	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-14**

**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:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	

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>	-3.3	-2.7	-3.1	-2.5	-2.3	2.3	3.0	2.6	3.2	3.4
3H	-3.3	-2.7	-3.1	-2.5	-2.3	2.2	2.8	2.5	3.0	3.2
4H	-3.3	-2.8	-3.0	-2.5	-2.2	2.1	2.7	2.4	2.9	3.2
6H	-3.3	-2.8	-3.0	-2.5	-2.2	2.0	2.6	2.4	2.8	3.1
8H	-3.3	-2.8	-2.9	-2.5	-2.2	2.0	2.5	2.3	2.8	3.1
12H	-3.2	-2.7	-2.8	-2.4	-2.1	2.0	2.5	2.3	2.8	3.1
<b>4H 2H</b>	-3.5	-2.9	-3.2	-2.7	-2.4	2.1	2.7	2.4	2.9	3.2
3H	-3.5	-3.0	-3.1	-2.7	-2.4	1.9	2.4	2.3	2.7	3.1
4H	-3.5	-3.0	-3.1	-2.7	-2.3	1.8	2.3	2.2	2.6	3.0
6H	-3.5	-3.0	-3.0	-2.7	-2.3	1.7	2.2	2.2	2.5	2.9
8H	-3.4	-3.0	-3.0	-2.6	-2.2	1.7	2.1	2.1	2.5	2.9
12H	-3.3	-2.9	-2.8	-2.5	-2.0	1.7	2.0	2.2	2.5	2.9
<b>8H 4H</b>	-3.6	-3.2	-3.2	-2.8	-2.4	1.7	2.1	2.1	2.4	2.9
6H	-3.6	-3.3	-3.1	-2.8	-2.4	1.6	1.9	2.0	2.3	2.8
8H	-3.6	-3.3	-3.1	-2.8	-2.3	1.5	1.8	2.0	2.3	2.8
12H	-3.4	-3.1	-2.9	-2.6	-2.1	1.5	1.8	2.0	2.3	2.8
<b>12H 4H</b>	-3.7	-3.3	-3.2	-2.9	-2.5	1.6	2.0	2.1	2.4	2.8
6H	-3.7	-3.4	-3.2	-2.9	-2.4	1.5	1.8	2.0	2.3	2.8
8H	-3.6	-3.4	-3.1	-2.9	-2.4	1.5	1.7	2.0	2.2	2.7
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	+ 2.0 / - 2.9					+ 2.6 / - 3.7				
1.5H	+ 3.2 / - 2.8					+ 3.9 / - 3.3				
2.0H	+ 3.3 / - 2.4					+ 3.7 / - 2.7				

CIE Pub.117, 2042 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.5)  
 Area: 0.007 m2

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-14**

**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:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	

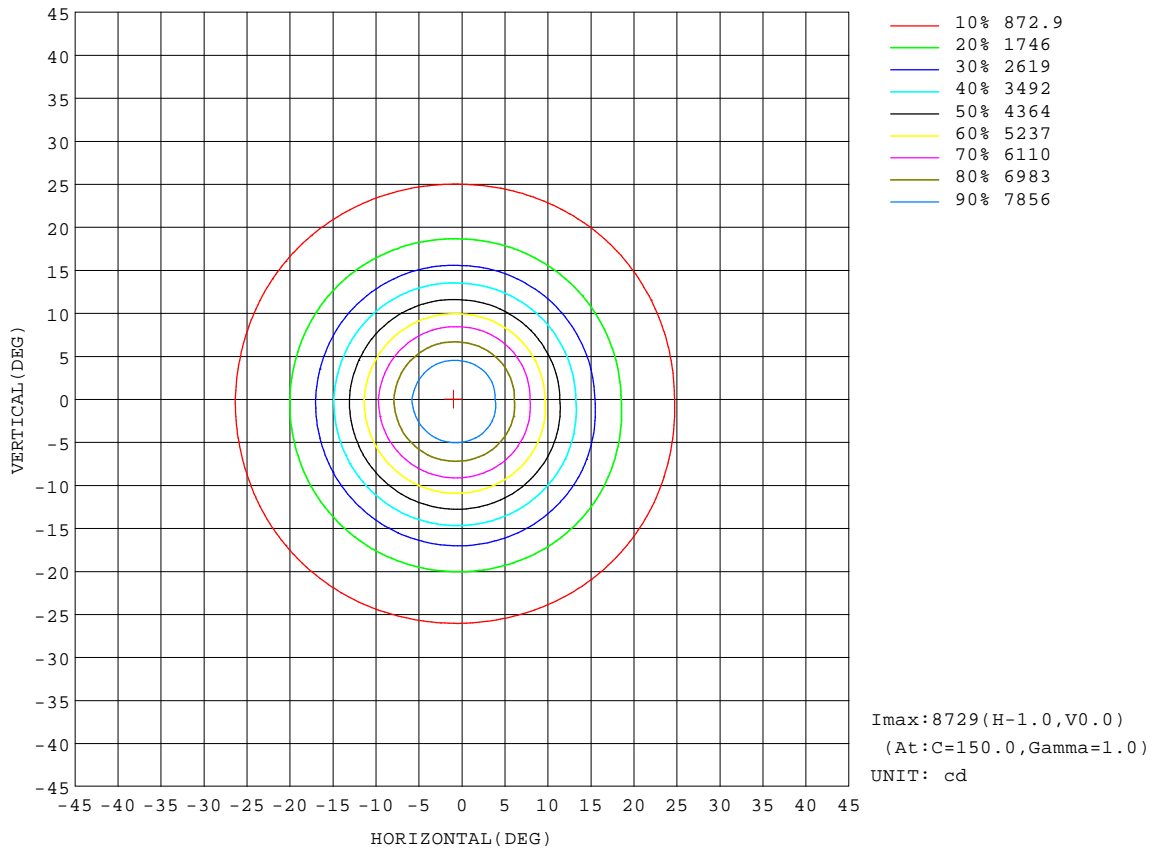
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS(PERCENT) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	89	84	80	89	83	80	88	83	80	77
<b>0.80</b>	96	91	88	96	91	88	94	90	87	83
<b>1.00</b>	100	95	92	99	94	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>	113	111	109	111	109	107	107	105	104	96
<b>5.00</b>	115	113	111	112	111	109	108	107	105	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:2022-05-14**

**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:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-14**

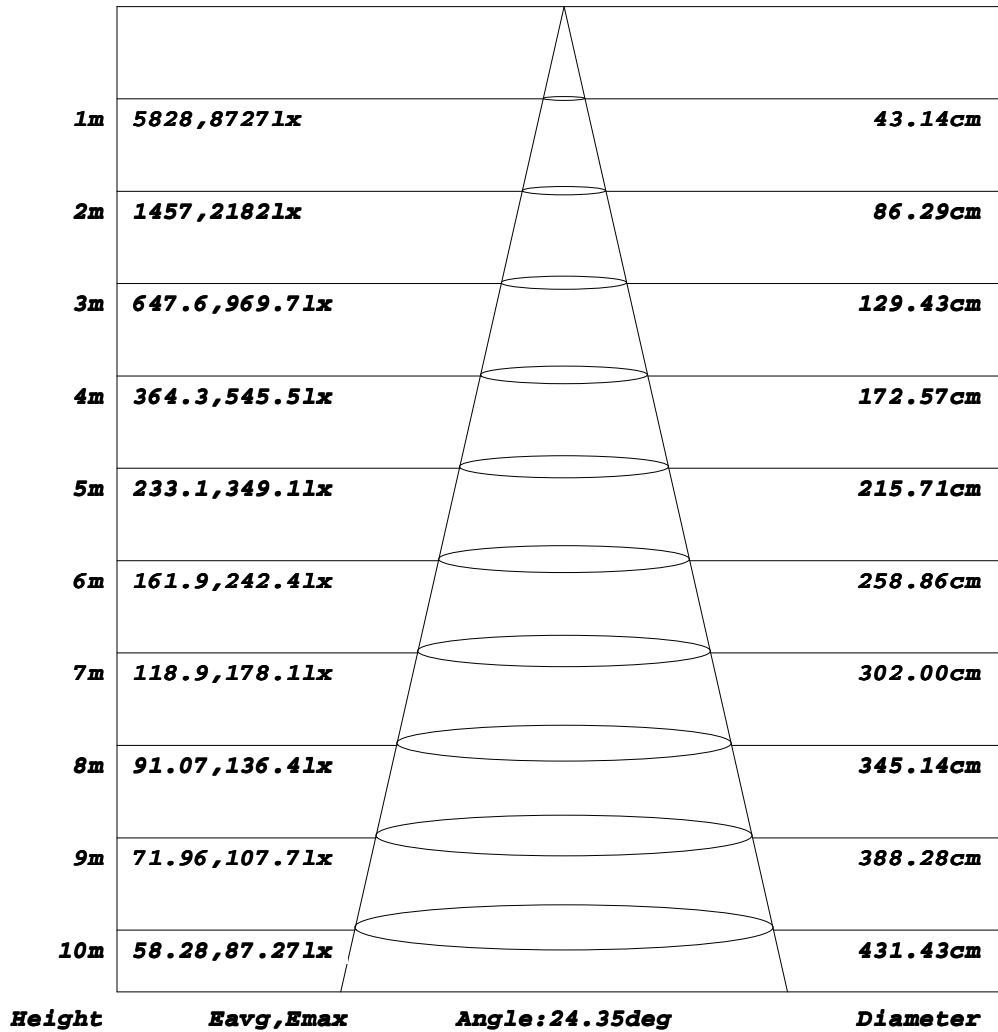
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**



**AAI Figure**

Test:U:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	

**Flux out:975.9 lm**



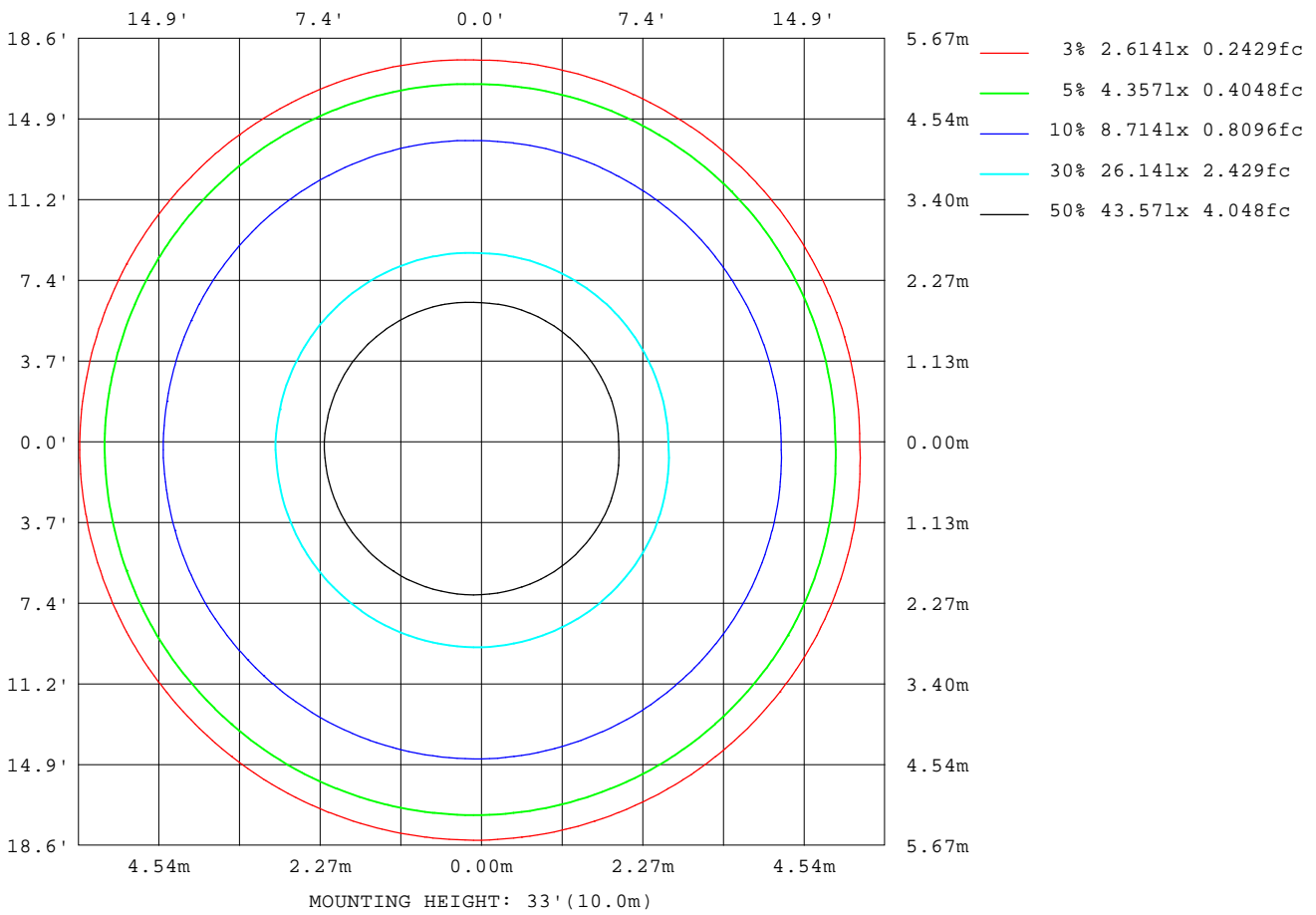
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-14**

**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**

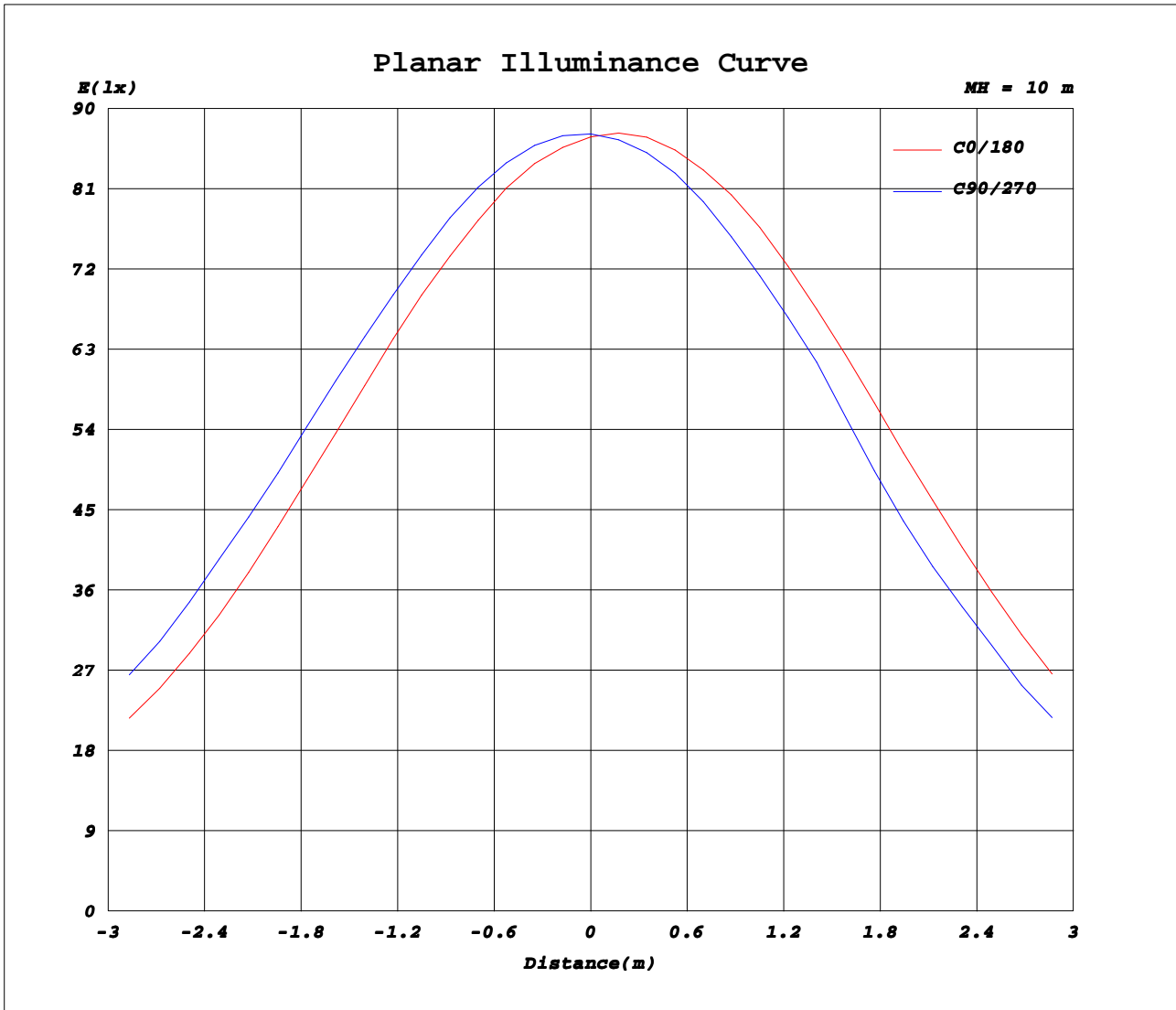
Test:U:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	



**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**  
**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: 2022-05-14

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:221.60V I:0.0980A P:19.800W PF:0.9700 Freq:50.00Hz		
Lamp Flux:2041.69x1 lm		
Name: NS15-φ120mm-20W	Type: LED	
MFR.: Lumega Group	DIM.: D120*H100mm	
	SUR.: D95mm	

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	8684	8701	8712	8715	8706	8693	8684	8693	8706	8715	8712	8701							
5	7431	7596	7741	7867	8000	8093	8125	8000	7830	7652	7550	7476							
10	5064	5313	5522	5693	5859	5960	5968	5734	5446	5170	5058	5022							
15	2773	3024	3220	3359	3452	3482	3440	3245	3020	2812	2733	2720							
20	1477	1603	1697	1758	1784	1780	1746	1662	1569	1485	1454	1452							
25	834	914	976	1020	1049	1058	1046	993	929	869	842	830							
30	155	211	257	290	317	329	324	280	226	176	155	148							
35	14.2	14.7	15.6	16.8	19.2	21.4	23.0	22.3	20.7	18.8	17.3	15.8							
40	7.70	7.72	8.03	8.64	9.97	11.3	12.2	11.9	11.1	10.1	9.29	8.50							
45	4.47	4.31	4.35	4.61	5.32	6.06	6.66	6.56	6.23	5.76	5.37	4.94							
50	2.85	2.68	2.66	2.77	3.18	3.61	3.96	3.91	3.73	3.48	3.28	3.07							
55	1.57	1.48	1.46	1.51	1.69	1.89	2.06	2.02	1.93	1.81	1.73	1.65							
60	0.98	0.83	0.76	0.77	0.91	1.09	1.26	1.33	1.35	1.33	1.26	1.14							
65	0.76	0.60	0.54	0.58	0.81	1.09	1.35	1.48	1.53	1.49	1.34	1.10							
70	0.61	0.40	0.35	0.45	0.84	1.29	1.71	1.90	1.97	1.88	1.62	1.20							
75	0.45	0.20	0.18	0.36	0.94	1.59	2.20	2.46	2.52	2.37	1.96	1.32							
80	0.33	0.05	0.05	0.32	1.09	1.95	2.73	3.04	3.09	2.85	2.30	1.46							
85	0.33	0.01	0.01	0.32	1.23	2.25	3.17	3.51	3.54	3.24	2.60	1.63							
90	0.45	0.10	0.09	0.42	1.39	2.47	3.44	3.78	3.79	3.46	2.79	1.79							
95	0.66	0.30	0.28	0.60	1.56	2.64	3.61	3.96	3.97	3.65	2.99	2.00							
100	1.01	0.62	0.58	0.89	1.84	2.91	3.88	4.24	4.27	3.96	3.31	2.33							
105	1.55	1.14	1.07	1.34	2.25	3.29	4.23	4.59	4.63	4.35	3.74	2.81							
110	2.42	2.00	1.90	2.12	2.94	3.89	4.76	5.13	5.21	5.00	4.45	3.59							
115	3.52	3.08	2.97	3.17	3.96	4.88	5.75	6.15	6.28	6.11	5.58	4.71							
120	4.75	4.25	4.11	4.32	5.17	6.17	7.11	7.53	7.66	7.47	6.90	6.00							
125	6.26	5.68	5.49	5.67	6.53	7.56	8.52	8.96	9.10	8.92	8.38	7.49							
130	8.41	7.74	7.45	7.54	8.29	9.21	10.1	10.5	10.7	10.6	10.1	9.42							
135	11.2	10.5	10.2	10.2	10.7	11.4	12.1	12.5	12.7	12.7	12.4	12.0							
140	14.8	14.0	13.6	13.4	13.8	14.3	14.9	15.2	15.5	15.5	15.4	15.2							
145	18.7	17.8	17.2	17.0	17.4	17.9	18.4	18.7	18.8	18.8	18.9	18.8							
150	22.6	21.6	21.0	20.7	21.1	21.7	22.3	22.4	22.3	22.3	22.3	22.5							
155	26.4	25.3	24.7	24.4	24.9	25.5	26.0	25.9	25.6	25.4	25.5	25.9							
160	29.5	28.5	27.9	27.7	28.1	28.7	29.2	28.8	28.3	27.9	28.1	28.6							
165	31.6	30.7	30.2	30.0	30.5	31.1	31.5	30.7	29.9	29.2	29.5	30.3							
170	32.3	31.6	31.1	31.0	31.5	32.0	32.3	31.3	30.2	29.3	29.7	30.6							
175	32.1	31.4	30.9	30.7	31.0	31.4	31.5	30.5	29.3	28.6	29.0	30.2							
180	31.4	30.1	29.4	29.2	29.9	30.7	31.4	30.8	29.9	29.2	29.4	30.2							

**C Range: 0 - 360DEG**  
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