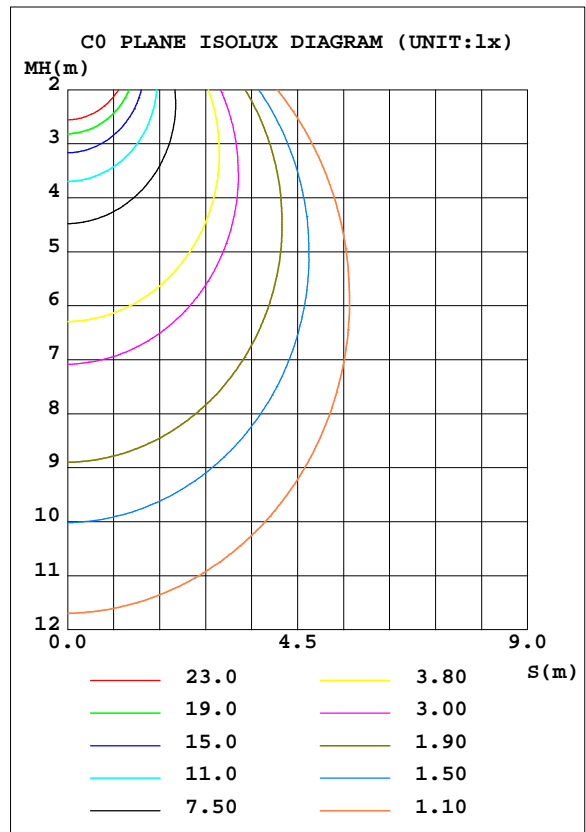
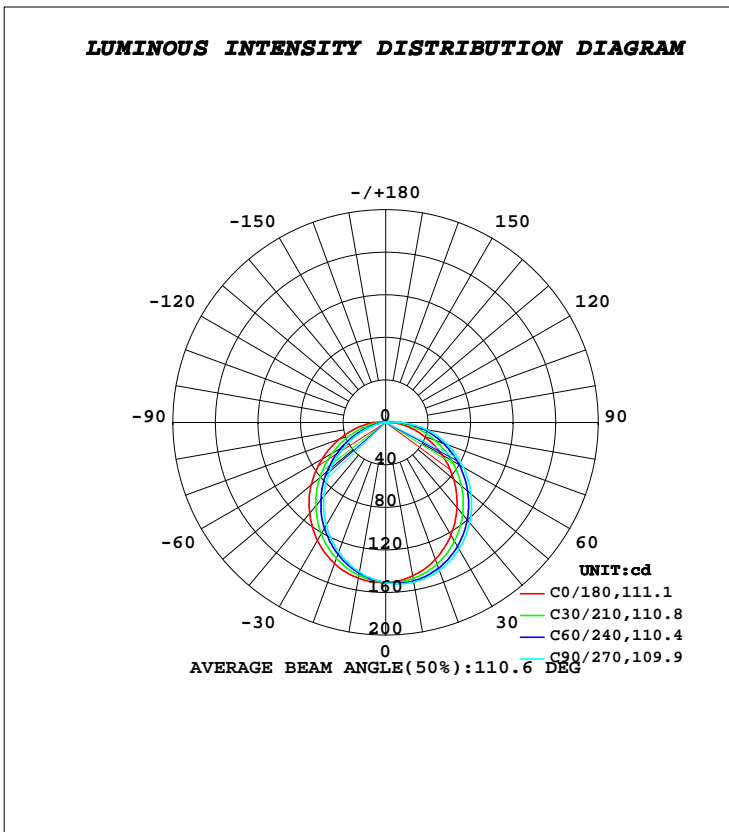


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.99 lm/W			
MODEL		I <sub>max</sub> (cd)	152.6	S/MH(C0/180)	1.22
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	1.35
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	446.13	η UP, DN(C0-180)	1.3,55.1
NOMINAL FLUX(lm)	446.132	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4,42.2
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	221.6	η down(%)	97.3	CIBSE SHR MAX	1.35



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-07**

**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:**

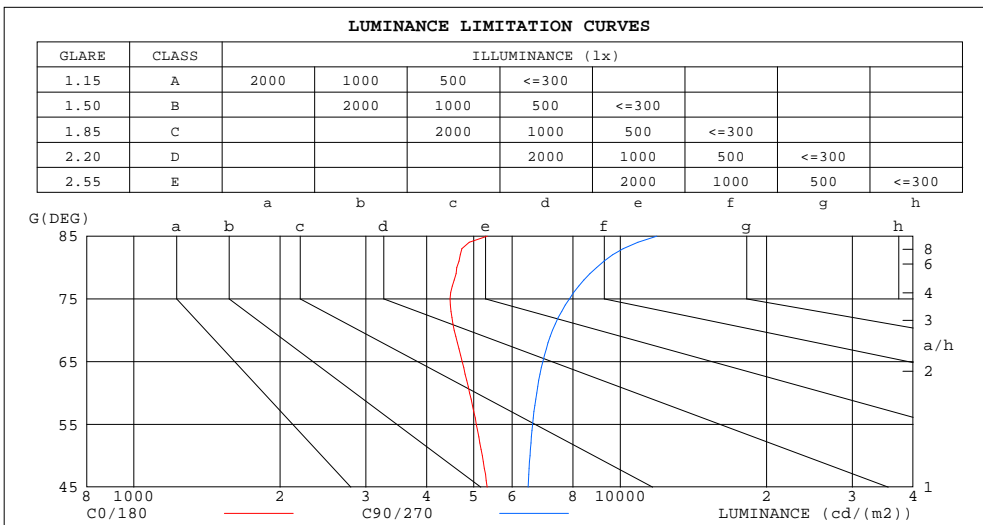
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	146.5	150.2	152.5	151.5	148.7	145.0	142.8	143.9	0- 10	14.23	14.23	3.19,3.19
20	136.9	143.8	147.9	146.3	141.2	133.9	129.6	131.7	10- 20	40.61	54.84	12.3,12.3
30	122.5	132.0	137.7	135.5	128.4	118.2	111.8	115.0	20- 30	61.08	115.9	26,26
40	104.4	116.1	123.0	120.2	111.3	98.47	90.75	94.78	30- 40	73.01	188.9	42.3,42.3
50	83.68	96.96	104.8	101.4	91.51	76.76	67.67	72.72	40- 50	75.20	264.1	59.2,59.2
60	61.32	75.86	84.17	80.27	69.35	53.49	43.84	49.29	50- 60	67.88	332.0	74.4,74.4
70	38.99	53.57	62.10	58.04	46.82	30.71	21.41	26.93	60- 70	52.92	384.9	86.3,86.3
80	20.04	31.67	38.84	33.85	25.78	12.49	4.983	10.76	70- 80	33.77	418.7	93.9,93.9
90	7.613	10.39	12.99	10.32	11.30	3.038	1.113	3.010	80- 90	15.33	434.0	97.3,97.3
100	0.9669	0.9719	1.137	1.169	1.710	1.545	1.383	1.370	90-100	2.736	436.8	97.9,97.9
110	1.564	1.156	0.8849	1.394	2.082	1.613	1.677	1.639	100-110	1.533	438.3	98.2,98.2
120	1.514	1.299	1.174	1.244	1.654	1.822	1.922	1.878	110-120	1.489	439.8	98.6,98.6
130	1.785	1.591	1.492	1.532	1.921	2.049	2.131	2.085	120-130	1.516	441.3	98.9,98.9
140	2.012	1.848	1.763	1.800	2.149	2.239	2.300	2.248	130-140	1.496	442.8	99.3,99.3
150	2.199	2.072	1.990	2.038	2.321	2.374	2.389	2.363	140-150	1.336	444.1	99.6,99.6
160	2.370	2.276	2.242	2.260	2.451	2.481	2.497	2.466	150-160	1.061	445.2	99.8,99.8
170	2.510	2.474	2.434	2.453	2.560	2.558	2.569	2.552	160-170	0.6919	445.9	99.9,99.9
180	2.642	2.619	2.561	2.593	2.640	2.622	2.564	2.587	170-180	0.2439	446.1	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:2022-05-07**

**$\gamma$  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:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5331	11897
80	4616	8947
75	4468	7862
70	4560	7263
65	4736	6935
60	4905	6734
55	5063	6604
50	5207	6523
45	5325	6465

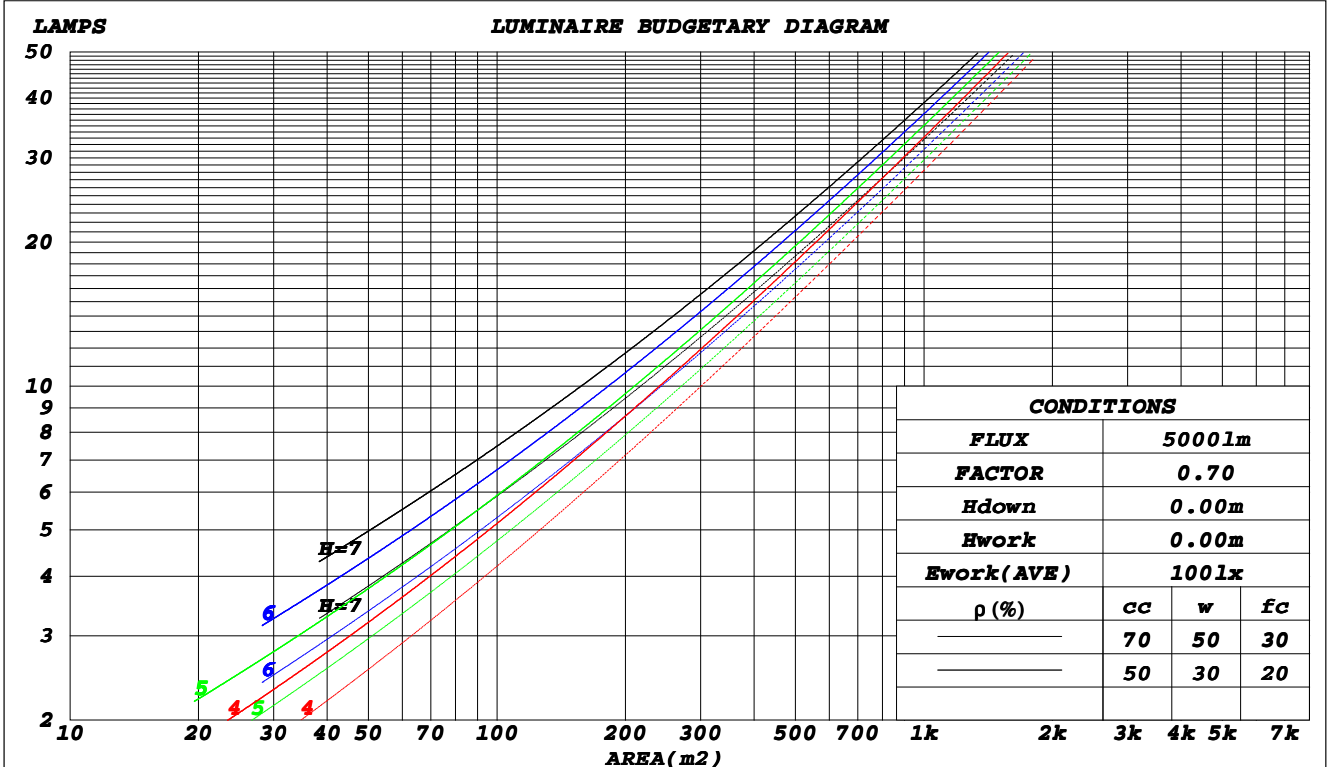
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-07**

**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:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	

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	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.02	.98	.94	.00	.96	.92	.95	.92	.88	.91	.88	.85	.86	.84	.82	.80
2.0	.89	.82	.76	.87	.80	.75	.83	.77	.72	.79	.74	.70	.76	.72	.68	.66
3.0	.78	.69	.63	.76	.68	.62	.73	.66	.61	.70	.64	.59	.67	.62	.58	.55
4.0	.69	.60	.53	.67	.59	.53	.64	.57	.52	.62	.56	.51	.59	.54	.50	.47
5.0	.62	.52	.46	.60	.52	.45	.58	.50	.44	.55	.49	.44	.53	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.43	.38	.48	.42	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-05-07

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:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	

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	.328	.187	.059	.320	.183	.058	.305	.175	.056	.291	.168	.054	.279	.162	.052	
2.0	.301	.165	.051	.294	.162	.050	.281	.156	.048	.269	.151	.047	.257	.146	.046	
3.0	.275	.147	.044	.269	.144	.043	.257	.140	.042	.247	.135	.041	.237	.131	.041	
4.0	.253	.131	.039	.247	.129	.038	.237	.125	.037	.227	.122	.037	.218	.118	.036	
5.0	.233	.118	.034	.228	.117	.034	.218	.114	.033	.210	.111	.033	.201	.108	.032	
6.0	.215	.108	.031	.211	.106	.031	.202	.104	.030	.194	.101	.030	.187	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.155	.076	.021	.150	.075	.021	.145	.073	.021	

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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.202	.177	.154	.173	.152	.132	.118	.104	.092	.068	.060	.053	.022	.019	.017	
2.0	.194	.153	.118	.167	.132	.102	.114	.091	.071	.066	.053	.042	.021	.017	.014	
3.0	.187	.135	.095	.160	.117	.082	.110	.081	.058	.063	.047	.034	.020	.015	.011	
4.0	.179	.122	.079	.153	.106	.069	.106	.074	.048	.061	.043	.029	.020	.014	.009	
5.0	.171	.112	.068	.147	.097	.059	.101	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.164	.104	.060	.141	.090	.052	.097	.063	.037	.056	.037	.022	.018	.012	.007	
7.0	.157	.097	.054	.135	.084	.047	.093	.059	.034	.054	.035	.020	.018	.011	.007	
8.0	.151	.091	.050	.130	.079	.044	.090	.055	.031	.052	.033	.018	.017	.011	.006	
9.0	.144	.086	.047	.124	.075	.041	.086	.053	.029	.050	.031	.017	.016	.010	.006	
10.0	.139	.082	.044	.120	.071	.038	.083	.050	.027	.048	.030	.016	.016	.010	.005	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-07**

**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:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	

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>	<b>18.7</b>	<b>20.2</b>	<b>19.0</b>	<b>20.4</b>	<b>20.7</b>	<b>19.8</b>	<b>21.3</b>	<b>20.1</b>	<b>21.6</b>	<b>21.8</b>
3H	20.2	21.6	20.6	21.9	22.2	21.9	23.2	22.2	23.5	23.8
4H	20.9	22.2	21.3	22.5	22.8	22.9	24.2	23.2	24.5	24.8
6H	21.5	22.7	21.8	23.0	23.4	23.8	25.1	24.2	25.4	25.7
8H	21.7	22.9	22.1	23.2	23.6	24.3	25.5	24.7	25.8	26.2
12H	21.9	23.0	22.3	23.4	23.8	24.7	25.9	25.1	26.2	26.6
<b>4H 2H</b>	<b>19.6</b>	<b>20.9</b>	<b>19.9</b>	<b>21.2</b>	<b>21.5</b>	<b>20.4</b>	<b>21.7</b>	<b>20.8</b>	<b>22.0</b>	<b>22.4</b>
3H	21.4	22.5	21.7	22.9	23.2	22.7	23.8	23.1	24.2	24.5
4H	22.2	23.2	22.6	23.6	24.0	23.8	24.9	24.3	25.3	25.7
6H	22.9	23.9	23.4	24.3	24.7	25.0	25.9	25.4	26.3	26.8
8H	23.2	24.1	23.7	24.5	25.0	25.5	26.4	26.0	26.8	27.3
12H	23.5	24.3	23.9	24.7	25.2	26.1	26.9	26.5	27.3	27.8
<b>8H 4H</b>	<b>22.8</b>	<b>23.7</b>	<b>23.2</b>	<b>24.1</b>	<b>24.5</b>	<b>24.2</b>	<b>25.0</b>	<b>24.6</b>	<b>25.5</b>	<b>25.9</b>
6H	23.8	24.5	24.2	25.0	25.4	25.5	26.3	26.0	26.7	27.2
8H	24.2	24.9	24.7	25.3	25.8	26.2	26.9	26.7	27.4	27.9
12H	24.6	25.2	25.1	25.7	26.2	27.0	27.5	27.5	28.0	28.6
<b>12H 4H</b>	<b>22.9</b>	<b>23.7</b>	<b>23.4</b>	<b>24.1</b>	<b>24.6</b>	<b>24.2</b>	<b>25.0</b>	<b>24.7</b>	<b>25.4</b>	<b>25.9</b>
6H	24.0	24.6	24.5	25.1	25.6	25.6	26.3	26.1	26.8	27.3
8H	24.5	25.1	25.0	25.6	26.1	26.4	27.0	26.9	27.5	28.0
<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 / - 0.1</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.3</b>					<b>+ 0.2 / - 0.2</b>				
<b>2.0H</b>	<b>+ 0.2 / - 0.5</b>					<b>+ 0.2 / - 0.3</b>				

CIE Pub.117, 446.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.8)  
 Area: 0.025 m2

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2022-05-07**

**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:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	

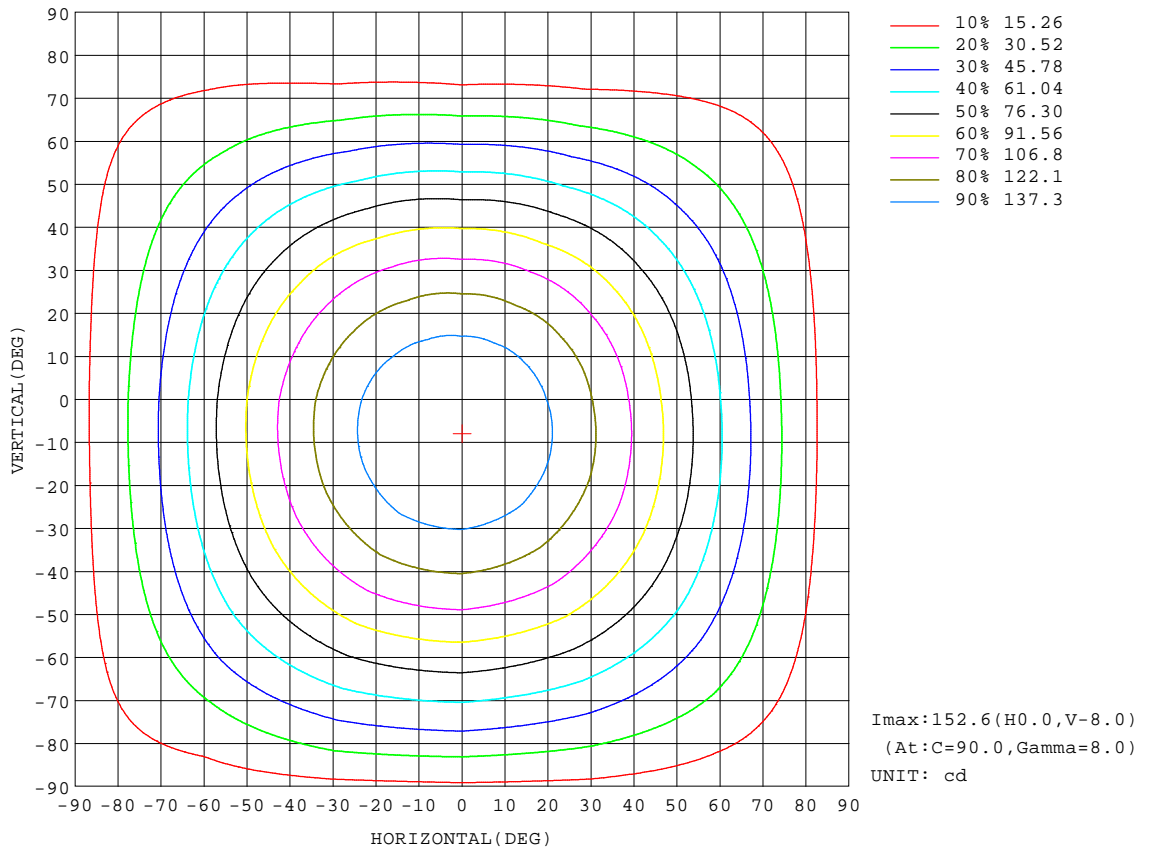
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS(PERCENT) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	56	45	38	55	44	37	54	44	37	31
<b>0.80</b>	66	54	47	65	54	47	63	53	46	39
<b>1.00</b>	74	63	55	73	62	55	70	63	54	47
<b>1.25</b>	81	70	63	80	70	63	77	68	62	54
<b>1.50</b>	86	76	69	84	75	68	81	73	67	59
<b>2.00</b>	93	84	77	91	83	76	87	80	75	66
<b>2.50</b>	97	89	83	95	87	81	91	84	79	70
<b>3.00</b>	100	93	87	98	91	86	94	88	84	74
<b>4.00</b>	105	98	93	102	96	92	97	93	89	79
<b>5.00</b>	107	102	97	104	100	96	99	96	92	82
<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:2022-05-07**

**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:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-07**

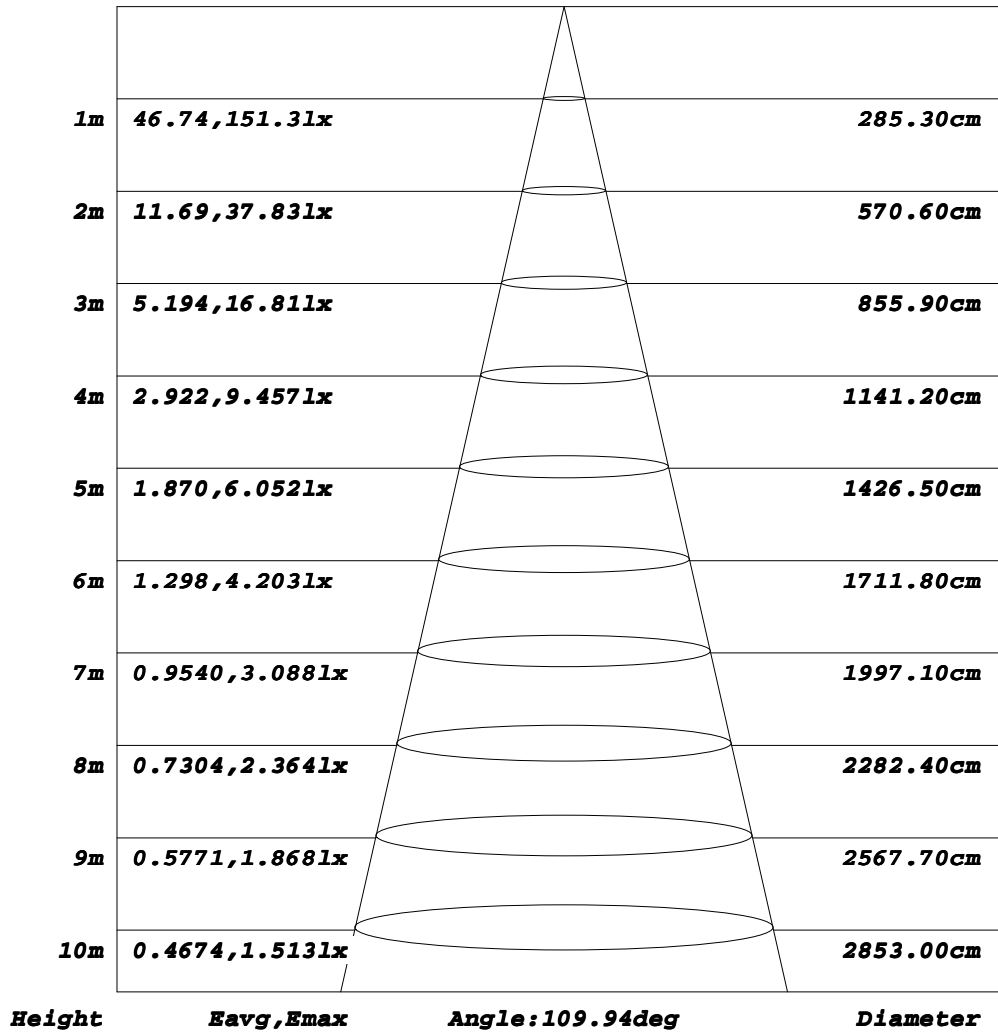
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**



**AAI Figure**

Test:U:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	

**Flux out:299.5 lm**



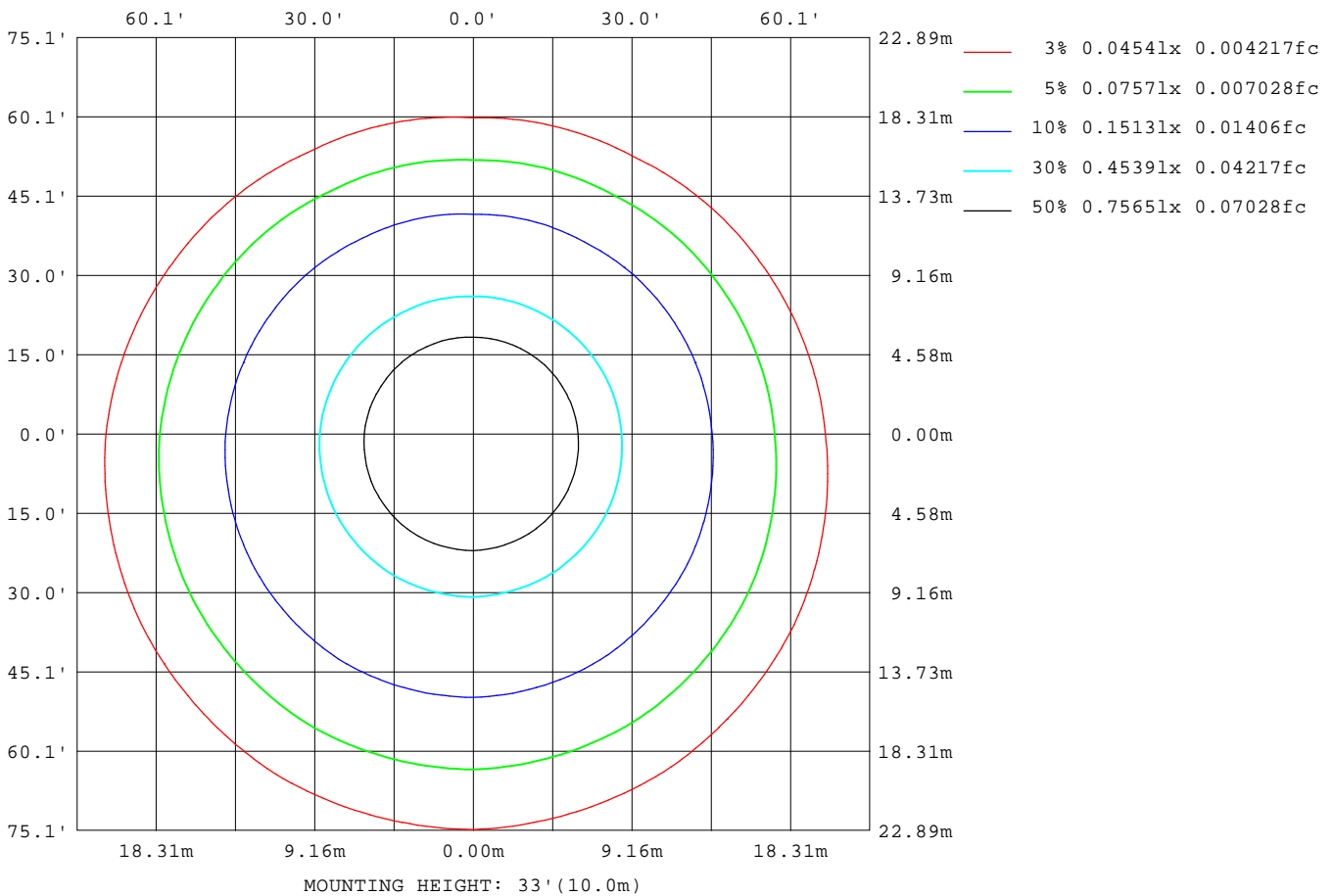
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-07**

**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**

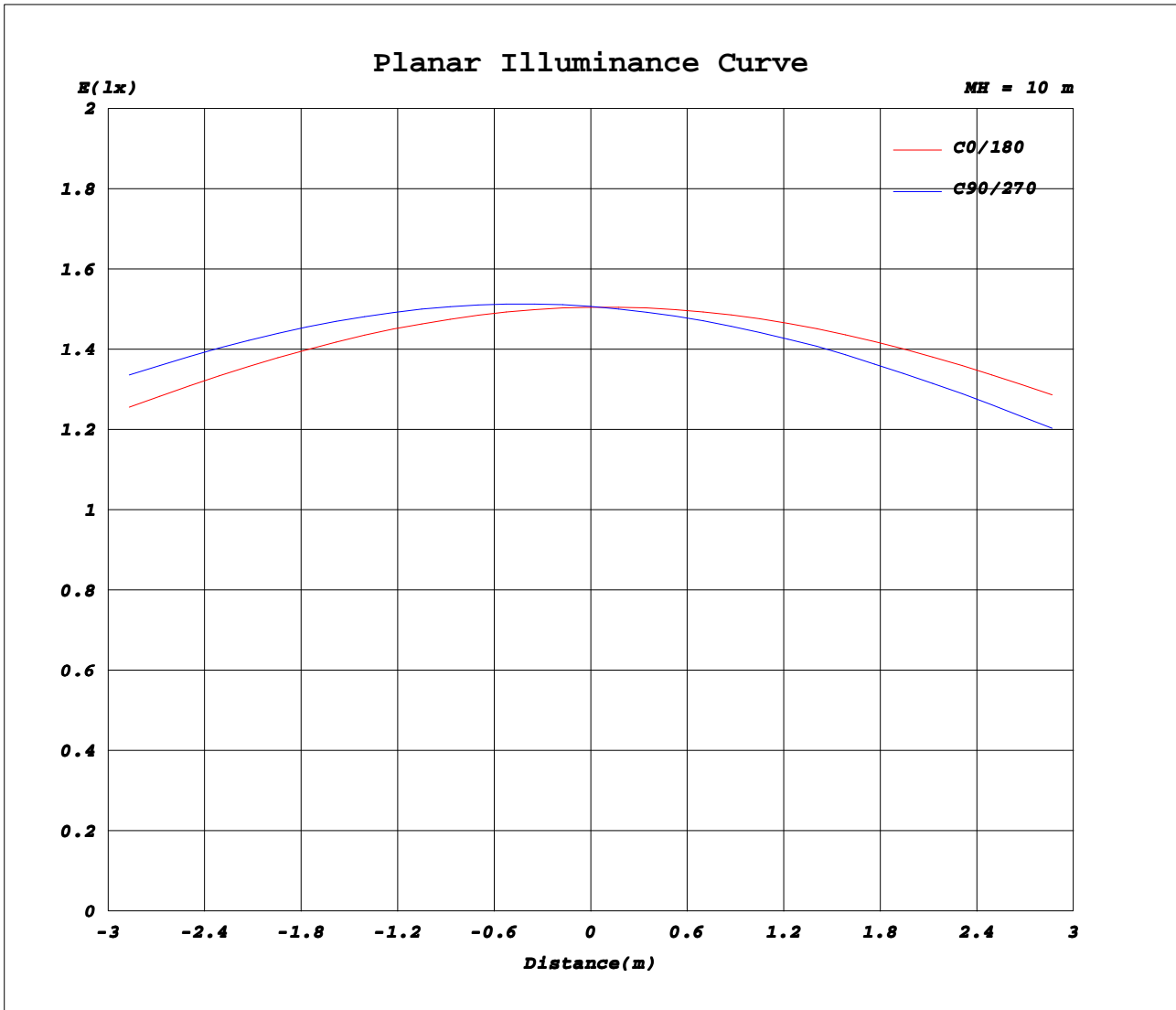
Test:U:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz		
Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2022-05-07**

**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: 2022-05-07**

**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:221.80V I:0.0240A P:4.6000W PF:0.8680 Freq:50.00Hz Lamp Flux:446.132x1 lm		
Name: NS44-φ220MM-5W(Half Moon)	Type: LED	
MFR.: Lumega Group	DIM.: D220*H50mm	
	SUR.: D180mm	

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	150	150	151	151	151	151	150	150	151	151	151	151							
5	149	151	152	152	152	151	150	149	148	147	148	148							
10	147	149	151	152	152	151	149	146	144	143	143	144							
15	142	146	149	151	151	149	146	142	139	137	137	139							
20	137	142	146	148	148	145	141	136	132	130	130	133							
25	130	136	141	143	143	140	135	129	124	121	122	126							
30	123	129	135	138	137	134	128	121	115	112	113	117							
35	114	121	128	131	130	126	120	112	106	102	103	108							
40	104	113	119	123	123	118	111	102	94.6	90.7	92.0	97.6							
45	94.1	103	110	114	114	109	102	91.9	84.1	79.3	81.4	86.9							
50	83.7	93.1	101	105	104	98.7	91.5	81.0	72.5	67.7	69.7	75.8							
55	72.6	82.5	90.6	94.7	93.9	88.3	80.4	69.8	60.4	55.8	57.5	64.4							
60	61.3	71.8	79.9	84.2	83.2	77.3	69.3	58.2	48.8	43.8	45.8	52.8							
65	50.0	60.8	68.9	73.3	72.3	66.3	58.0	46.8	37.1	32.3	34.2	41.5							
70	39.0	49.4	57.7	62.1	61.0	55.1	46.8	35.5	25.9	21.4	23.3	30.6							
75	28.9	38.6	46.5	50.9	49.5	43.4	35.8	25.1	15.9	11.9	14.1	21.3							
80	20.0	28.3	35.0	38.8	37.4	30.3	25.8	16.5	8.49	4.98	7.63	13.9							
85	11.6	17.0	23.8	25.9	25.0	18.6	17.6	8.73	3.82	1.23	3.58	7.50							
90	7.61	8.58	12.2	13.0	11.5	9.17	11.3	4.79	1.29	1.11	1.49	4.52							
95	1.85	0.73	1.41	1.78	1.61	1.26	3.52	1.35	1.19	1.23	1.23	1.37							
100	0.97	0.91	1.04	1.14	1.28	1.06	1.71	1.74	1.35	1.38	1.39	1.35							
105	1.88	1.15	0.99	0.78	0.95	1.63	2.53	1.67	1.49	1.54	1.55	1.64							
110	1.56	1.35	0.96	0.88	0.96	1.83	2.08	1.60	1.62	1.68	1.68	1.60							
115	1.38	1.23	1.10	1.03	1.08	1.60	1.76	1.65	1.75	1.81	1.80	1.72							
120	1.51	1.36	1.23	1.17	1.20	1.29	1.65	1.78	1.87	1.92	1.92	1.84							
125	1.66	1.51	1.38	1.34	1.34	1.43	1.79	1.90	1.97	2.02	2.02	1.94							
130	1.79	1.65	1.53	1.49	1.49	1.58	1.92	2.01	2.09	2.13	2.12	2.05							
135	1.91	1.77	1.67	1.63	1.62	1.71	2.04	2.12	2.19	2.23	2.21	2.14							
140	2.01	1.90	1.80	1.76	1.76	1.84	2.15	2.21	2.27	2.30	2.28	2.22							
145	2.11	2.01	1.90	1.89	1.88	1.96	2.24	2.30	2.32	2.36	2.33	2.28							
150	2.20	2.13	2.01	1.99	2.00	2.08	2.32	2.37	2.38	2.39	2.39	2.34							
155	2.29	2.21	2.14	2.12	2.11	2.19	2.39	2.43	2.44	2.45	2.43	2.39							
160	2.37	2.31	2.24	2.24	2.23	2.30	2.45	2.47	2.49	2.50	2.50	2.43							
165	2.44	2.41	2.35	2.35	2.32	2.39	2.50	2.52	2.54	2.57	2.54	2.47							
170	2.51	2.49	2.46	2.43	2.43	2.47	2.56	2.56	2.55	2.57	2.57	2.53							
175	2.61	2.59	2.56	2.51	2.54	2.58	2.60	2.63	2.60	2.56	2.59	2.57							
180	2.64	2.65	2.59	2.56	2.59	2.60	2.64	2.65	2.60	2.56	2.58	2.59							

**C Range: 0 - 360DEG**  
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