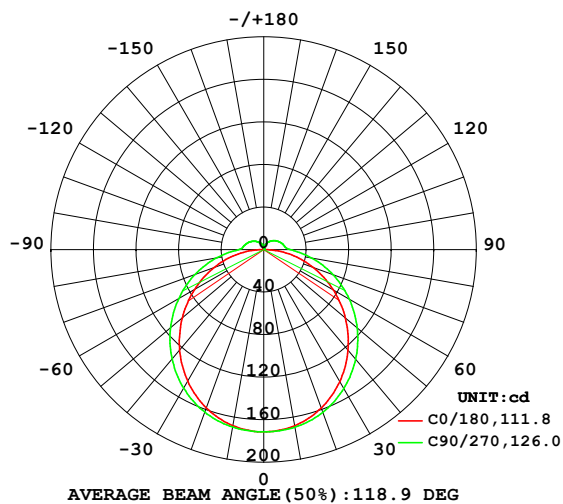


## LUMINAIRE PHOTOMETRIC TEST REPORT

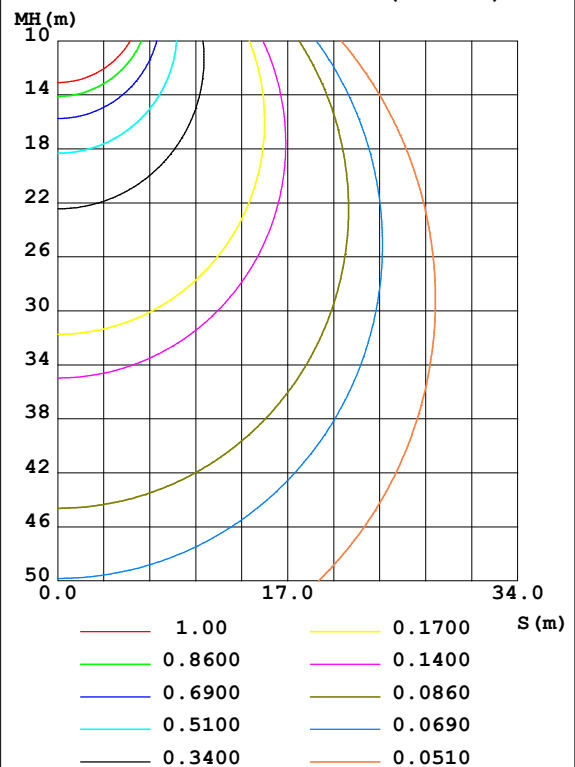
Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.75 lm/W			
MODEL NS-T1616-TW2765-15-CV		Imax(cd)	171.4	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	602.55	$\eta$ UP,DN(C0-180)	4.5,45.7
NOMINAL FLUX(lm)	602.547	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	4.3,45.5
LAMPS INSIDE	1	$\eta$ up(%)	8.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	$\eta$ down(%)	91.2	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	168.0	168.7	169.5	168.8	168.0	168.7	169.4	168.7	0- 10	16.23	16.23	2.69,2.69
20	158.5	161.0	162.8	161.0	158.4	160.7	162.5	160.9	10- 20	46.71	62.94	10.4,10.4
30	143.2	147.6	150.8	147.8	143.0	147.3	150.6	147.6	20- 30	71.29	134.2	22.3,22.3
40	123.4	130.0	134.5	130.0	123.1	129.5	134.2	130.0	30- 40	86.89	221.1	36.7,36.7
50	100.4	108.9	114.8	108.9	100.0	108.5	114.5	108.9	40- 50	91.97	313.1	52,52
60	75.39	85.65	92.83	85.76	75.19	85.27	92.35	85.62	50- 60	86.55	399.6	66.3,66.3
70	49.71	61.52	69.52	61.75	49.78	61.22	68.93	61.30	60- 70	72.14	471.8	78.3,78.3
80	24.15	37.22	45.58	37.51	24.51	36.93	44.80	36.78	70- 80	51.15	522.9	86.8,86.8
90	0.8202	16.33	25.22	16.57	1.071	16.26	23.51	16.08	80- 90	26.81	549.7	91.2,91.2
100	0.2565	12.94	19.91	13.15	0.2788	12.68	19.27	12.79	90-100	13.91	563.7	93.5,93.5
110	0.3667	11.77	17.99	10.90	0.3889	11.01	17.24	11.50	100-110	11.88	575.5	95.5,95.5
120	0.4951	10.45	15.71	9.055	0.5135	8.535	14.91	8.209	110-120	9.705	585.2	97.1,97.1
130	0.6160	8.988	13.23	7.035	0.6344	6.627	12.37	7.867	120-130	7.200	592.4	98.3,98.3
140	0.7224	7.457	10.65	4.875	0.7482	4.867	9.861	6.914	130-140	4.970	597.4	99.1,99.1
150	0.8177	5.305	8.121	3.628	0.8472	3.296	7.407	5.170	140-150	3.062	600.5	99.7,99.7
160	0.8911	1.624	5.273	1.859	0.9242	2.565	4.916	3.352	150-160	1.523	602.0	99.9,99.9
170	0.9498	0.9858	0.9715	0.9487	0.9902	0.9786	0.9898	0.9963	160-170	0.4495	602.5	100,100
180	0.9975	0.9969	0.9971	1.0000	1.001	1.004	1.001	1.004	170-180	0.0941	602.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 267.15 lm

%lum = 44.3%

%lamp = 44.3%

Conical surface Flux(120deg): 399.64 lm

%lum = 66.3%

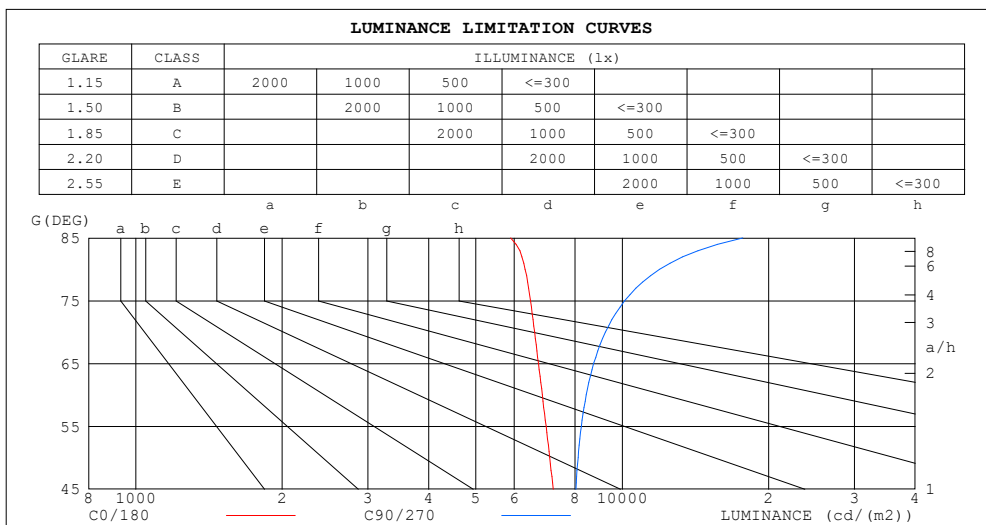
%lamp = 66.3%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



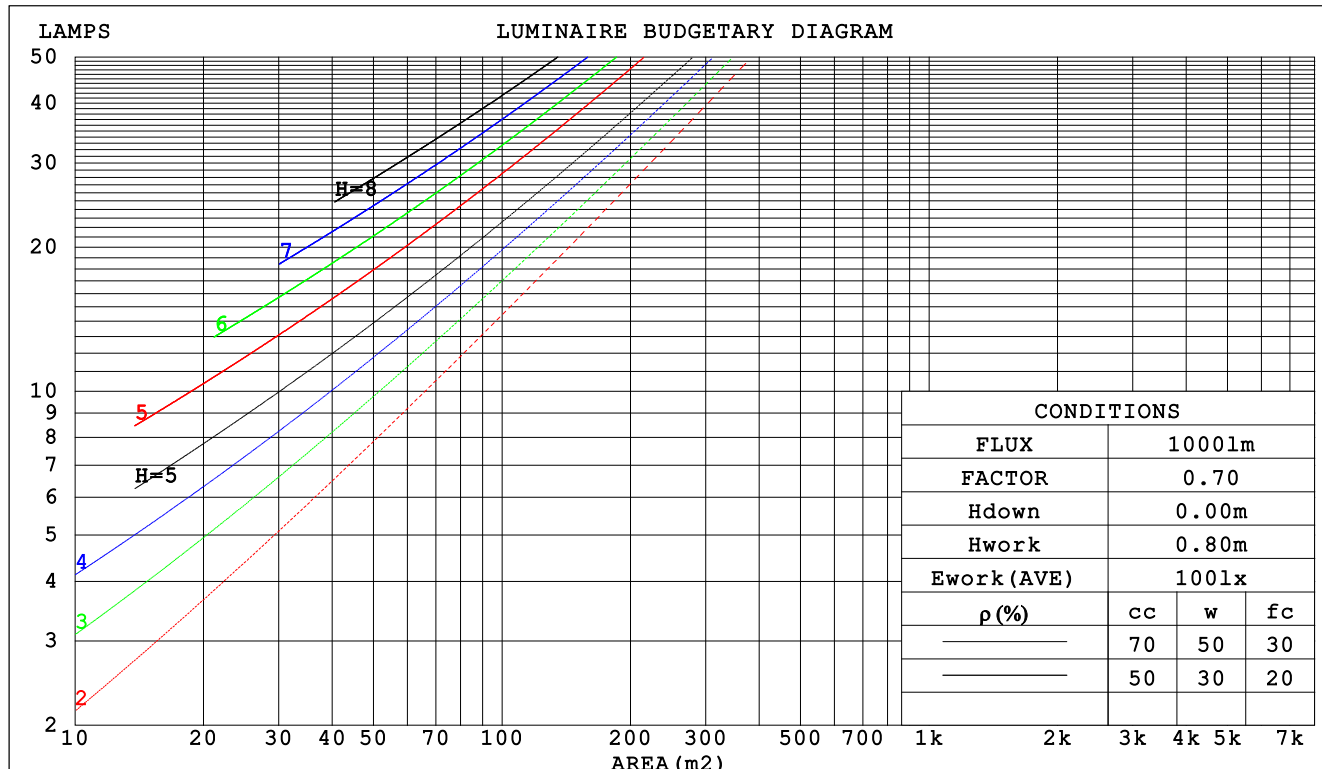
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

$\rho_{cc}$	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	1.13	1.13	1.13	1.06	1.06	1.06	.00	.00	.00	.94	.94	.94	.91
1.0	.00	.95	.91	.97	.92	.88	.91	.87	.84	.85	.82	.80	.80	.78	.76	.73
2.0	.86	.79	.73	.83	.77	.71	.78	.73	.68	.74	.69	.65	.70	.66	.62	.60
3.0	.75	.67	.60	.73	.65	.59	.69	.62	.56	.65	.59	.54	.61	.56	.52	.50
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.48	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.49	.43	.38	.36
6.0	.53	.44	.37	.52	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.31
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.42	.35	.31	.40	.34	.30	.28
8.0	.44	.35	.29	.43	.34	.29	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.27	.22	.31	.26	.22	.20



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

**WEC AND CCEC**

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.347	.197	.062	.337	.192	.061	.318	.183	.058	.301	.174	.056	.286	.166	.053		
2.0	.313	.171	.053	.304	.167	.052	.287	.160	.050	.272	.153	.048	.258	.146	.046		
3.0	.283	.151	.045	.275	.148	.044	.261	.141	.043	.247	.135	.042	.234	.130	.040		
4.0	.258	.134	.039	.251	.131	.039	.238	.126	.038	.225	.121	.037	.214	.116	.035		
5.0	.237	.121	.035	.230	.118	.034	.218	.114	.033	.207	.109	.032	.197	.105	.032		
6.0	.218	.109	.031	.212	.107	.031	.201	.103	.030	.191	.099	.029	.182	.096	.028		
7.0	.202	.100	.028	.197	.098	.028	.187	.095	.027	.178	.091	.027	.169	.088	.026		
8.0	.188	.092	.026	.183	.090	.025	.174	.087	.025	.166	.084	.024	.158	.081	.024		
9.0	.176	.085	.024	.171	.084	.023	.163	.081	.023	.155	.078	.022	.148	.075	.022		
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.146	.073	.021	.140	.070	.020		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.257	.257	.257	.220	.220	.220	.150	.150	.150	.086	.086	.086	.028	.028	.028	
1.0	.250	.223	.199	.214	.192	.171	.146	.132	.118	.084	.076	.069	.027	.025	.022	
2.0	.243	.200	.163	.208	.172	.141	.143	.119	.098	.082	.069	.058	.026	.022	.019	
3.0	.235	.183	.141	.202	.157	.122	.138	.109	.085	.080	.064	.050	.026	.021	.017	
4.0	.227	.170	.125	.195	.147	.109	.134	.102	.077	.078	.060	.045	.025	.019	.015	
5.0	.220	.160	.115	.189	.138	.100	.130	.096	.071	.075	.057	.042	.024	.018	.014	
6.0	.213	.151	.107	.183	.131	.094	.126	.092	.066	.073	.054	.039	.024	.018	.013	
7.0	.206	.145	.102	.177	.125	.089	.122	.088	.063	.071	.052	.037	.023	.017	.012	
8.0	.199	.139	.098	.171	.120	.085	.119	.085	.060	.069	.050	.036	.022	.016	.012	
9.0	.193	.134	.094	.166	.116	.082	.115	.082	.058	.067	.048	.035	.022	.016	.012	
10.0	.187	.130	.092	.161	.113	.080	.112	.079	.057	.065	.047	.034	.021	.015	.011	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm										
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED								WEIGHT:		
SPEC.:				DIM.:				SERIAL No.:1		
MFR.: DARKON				SUR.:				Shielding Angle:		
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				
x = 2H y = 2H	19.0	20.5	19.4	20.8	21.2	19.8	21.3	20.2	21.7	22.0
3H	20.7	22.0	21.1	22.4	22.8	21.9	23.2	22.3	23.6	24.0
4H	21.4	22.6	21.8	23.1	23.5	22.9	24.2	23.4	24.6	25.0
6H	21.9	23.1	22.4	23.6	24.0	23.9	25.1	24.4	25.6	26.0
8H	22.2	23.3	22.6	23.8	24.2	24.5	25.6	24.9	26.0	26.5
12H	22.3	23.4	22.8	23.9	24.4	25.0	26.1	25.5	26.6	27.1
4H 2H	19.8	21.1	20.3	21.5	21.9	20.4	21.7	20.9	22.1	22.6
3H	21.7	22.8	22.2	23.2	23.7	22.7	23.8	23.2	24.3	24.8
4H	22.5	23.6	23.0	24.0	24.6	23.9	24.9	24.4	25.4	25.9
6H	23.3	24.2	23.8	24.7	25.2	25.1	26.0	25.6	26.5	27.1
8H	23.6	24.4	24.1	24.9	25.5	25.7	26.6	26.3	27.1	27.7
12H	23.8	24.5	24.3	25.1	25.7	26.4	27.2	26.9	27.7	28.3
8H 4H	23.1	23.9	23.6	24.4	25.0	24.2	25.1	24.8	25.6	26.2
6H	24.0	24.8	24.6	25.3	25.9	25.7	26.4	26.3	26.9	27.6
8H	24.5	25.1	25.1	25.7	26.3	26.5	27.1	27.0	27.7	28.3
12H	24.8	25.4	25.4	26.0	26.6	27.3	27.9	27.9	28.5	29.1
12H 4H	23.2	24.0	23.7	24.5	25.1	24.3	25.0	24.8	25.6	26.2
6H	24.3	24.9	24.9	25.5	26.1	25.8	26.4	26.4	27.0	27.6
8H	24.8	25.3	25.4	25.9	26.6	26.6	27.2	27.2	27.8	28.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 602.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

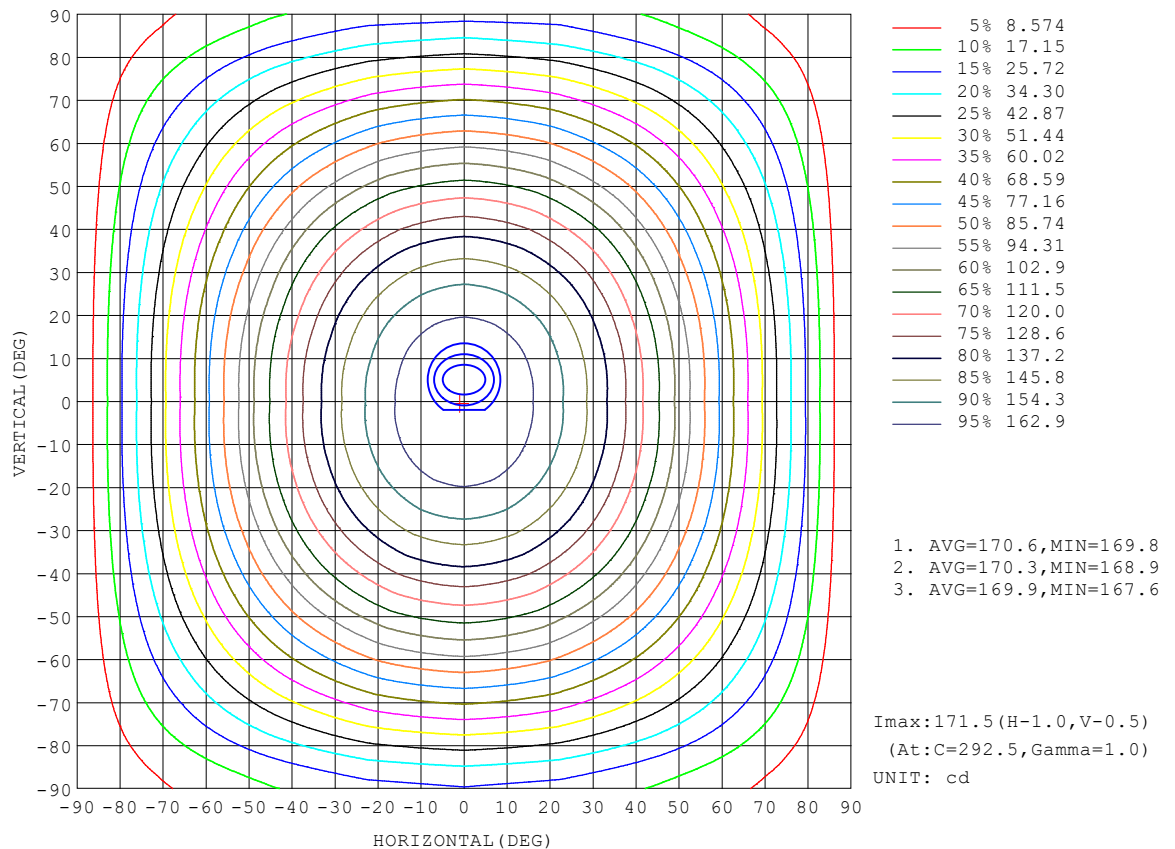
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	40	33	50	40	33	26
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	51	69	58	50	66	59	49	41
1.25	77	66	58	76	65	57	72	63	56	48
1.50	82	71	64	80	70	63	76	68	61	52
2.00	90	80	72	87	78	71	83	75	69	59
2.50	94	85	78	91	83	77	86	79	74	63
3.00	97	89	83	94	87	81	89	83	78	67
4.00	102	95	89	99	93	87	93	88	84	72
5.00	104	99	94	101	96	92	95	91	87	75
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JEFF  
Test Date: 15 January 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 7.889m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



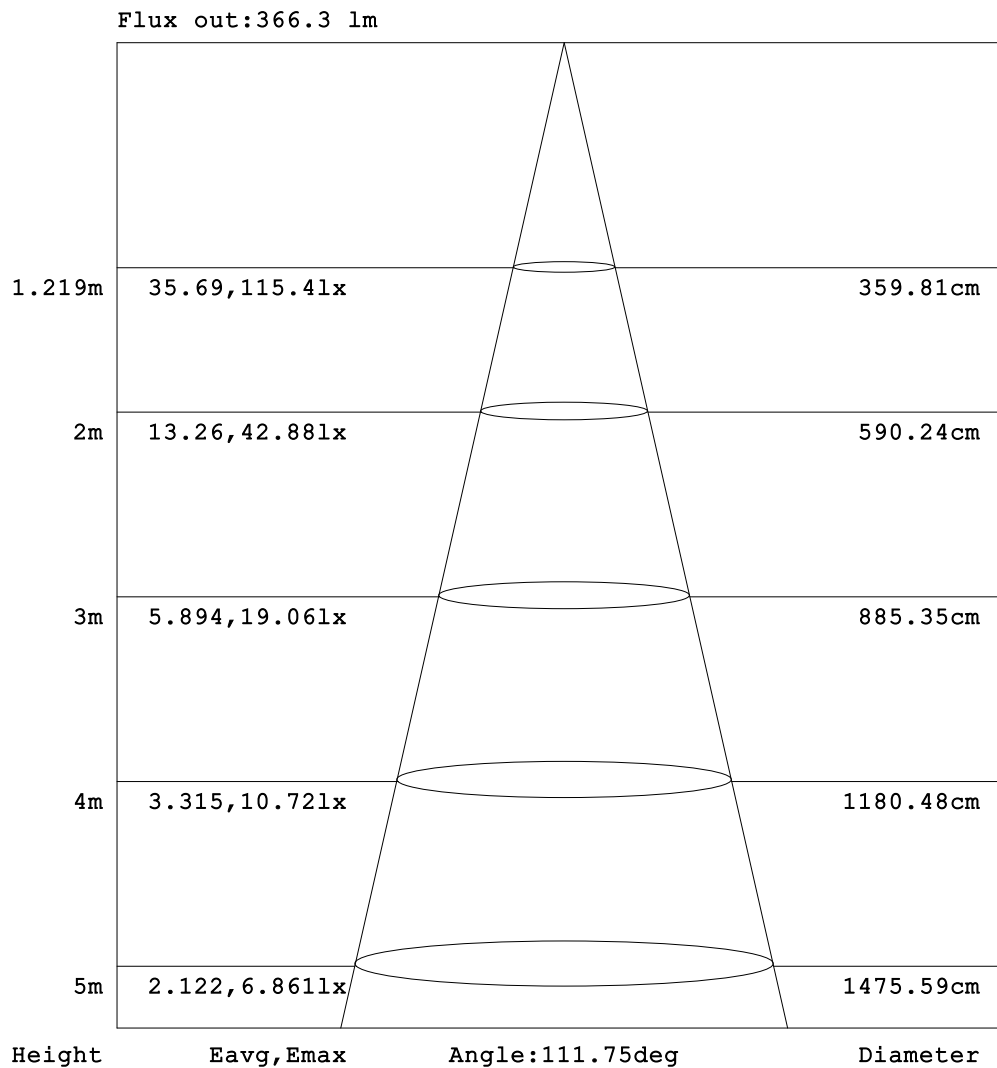
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



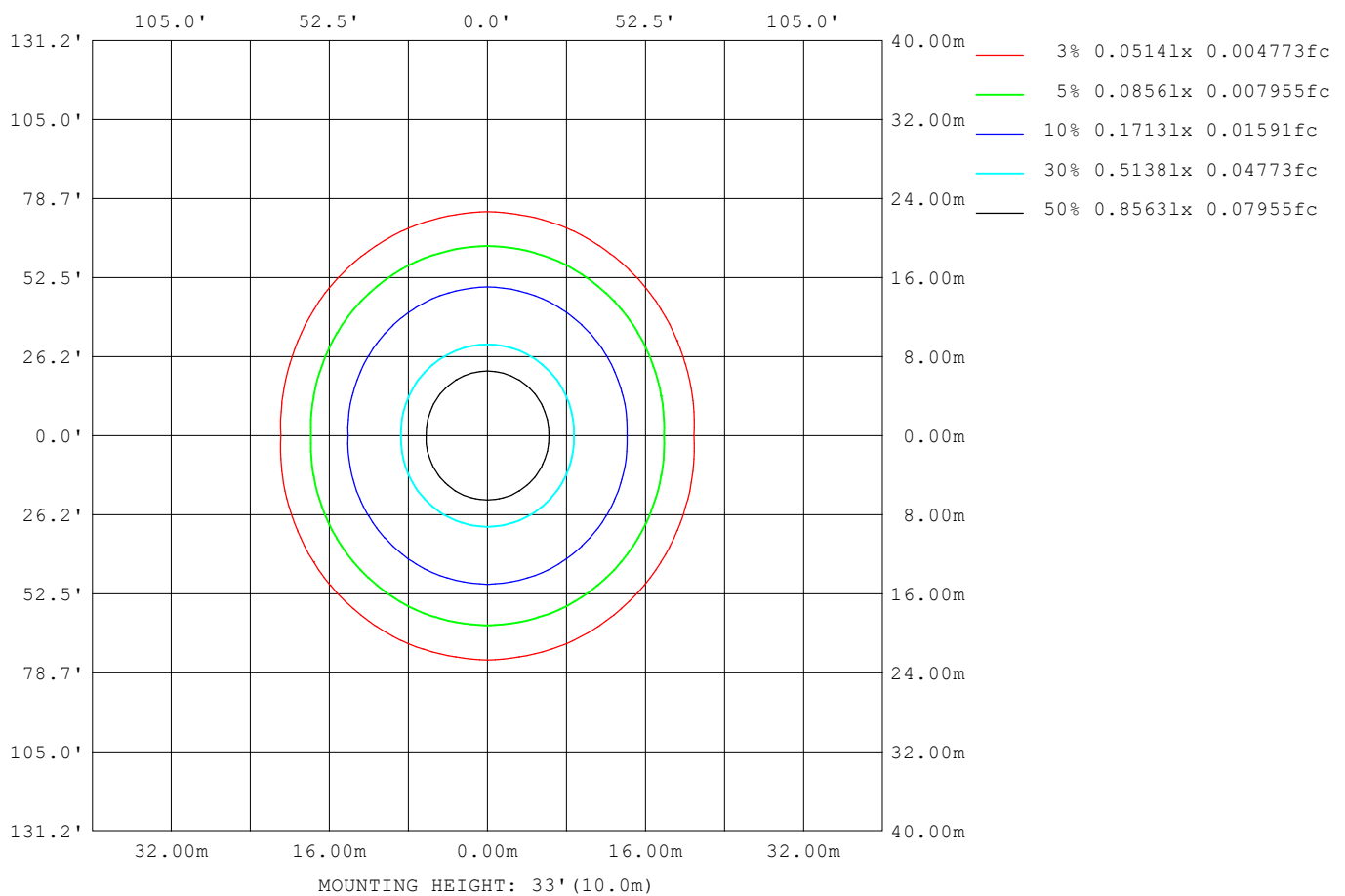
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JEFF  
 Test Date:15 January 2025

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:7.889m [K=1.0000]  
 Remarks:

### LED Avg.L Report

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

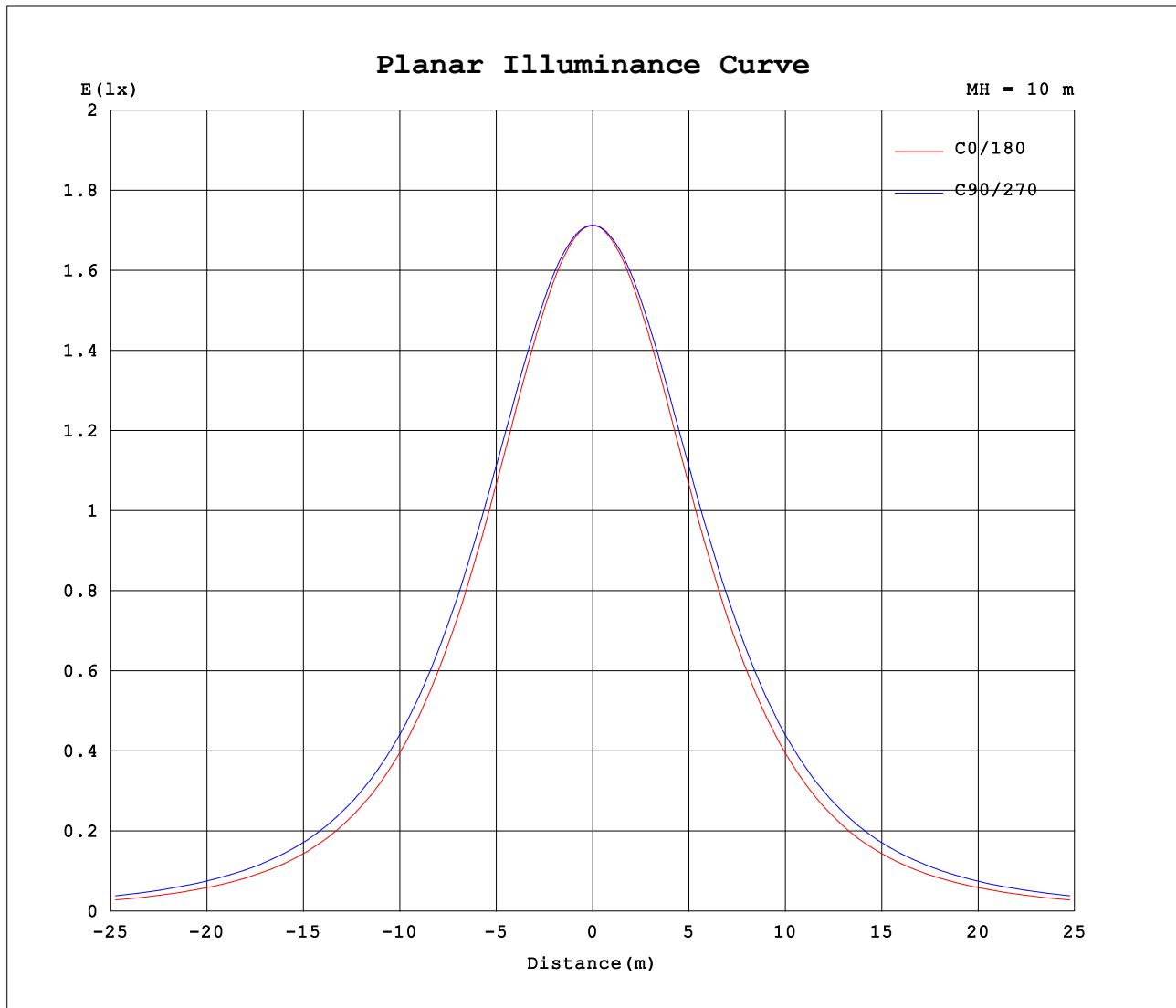
AvgL	cd/m2
L_0~180 (65) av	6725
L_0~180 (75) av	6498
L_0~180 (85) av	6033
L_90~270 (65) av	8712
L_90~270 (75) av	10061
L_90~270 (85) av	17530
L_45 (65) av	7911
L_45 (75) av	8654
L_45 (85) av	13080

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:15 January 2025

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.889m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JEFF  
Test Date: 15 January 2025

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 7.889m [K=1.0000]  
Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:239.8V I:0.0644A P:10.81W PF:0.6996 Lamp Flux:602.547x1 lm		
NAME: NEON FLEX_T1616_TOP VIEW_15WM_TUNABLE @ 4000KTYPE:LED		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171			
5	170	171	171	171	171	171	171	171	170	171	171	171	171	171	171	171			
10	168	168	169	169	170	169	169	168	168	168	169	169	169	169	169	168			
15	164	165	166	167	167	167	166	165	164	164	165	166	167	166	166	164			
20	158	159	161	162	163	162	161	159	158	159	161	162	163	162	161	159			
25	151	153	155	157	157	157	155	153	151	152	155	156	157	156	155	153			
30	143	145	148	150	151	150	148	145	143	145	147	150	151	150	148	145			
35	134	136	139	142	143	142	139	136	134	136	139	142	143	142	139	136			
40	123	126	130	133	135	133	130	126	123	126	130	133	134	133	130	126			
45	112	115	120	124	125	124	120	115	112	115	119	123	125	123	120	115			
50	100	104	109	113	115	113	109	104	100	103	108	113	114	113	109	104			
55	88.1	92.1	97.4	102	104	102	97.5	92.0	87.7	91.4	97.0	102	104	102	97.4	91.8			
60	75.4	79.8	85.6	90.9	92.8	91.0	85.8	79.8	75.2	79.2	85.3	90.1	92.3	90.4	85.6	79.5			
65	62.6	67.3	73.6	79.3	81.3	79.3	73.8	67.4	62.5	66.9	73.3	78.5	80.7	78.7	73.5	67.1			
70	49.7	54.9	61.5	67.4	69.5	67.5	61.7	55.0	49.8	54.5	61.2	66.6	68.9	66.7	61.3	54.5			
75	36.9	42.4	49.4	55.4	57.6	55.5	49.6	42.7	37.1	42.1	49.1	54.6	56.9	54.7	49.0	42.0			
80	24.2	30.1	37.2	43.3	45.6	43.5	37.5	30.4	24.5	29.9	36.9	42.5	44.8	42.5	36.8	29.6			
85	11.3	17.8	25.2	31.6	33.9	31.7	25.5	18.3	11.8	17.7	25.0	30.8	33.3	30.8	24.7	17.3			
90	0.82	8.28	16.3	22.8	25.2	22.9	16.6	8.66	1.07	8.42	16.3	21.6	23.5	22.3	16.1	8.08			
95	0.22	6.83	13.5	19.0	21.1	19.0	13.7	7.17	0.23	7.13	13.2	18.4	20.3	18.8	13.4	6.80			
100	0.26	6.51	12.9	18.0	19.9	18.0	13.1	6.92	0.28	6.61	12.7	17.5	19.3	17.9	12.8	6.44			
105	0.31	6.24	12.4	17.2	19.0	17.2	12.5	6.51	0.33	6.19	11.6	16.7	18.3	17.0	12.2	6.12			
110	0.37	5.98	11.8	16.3	18.0	16.3	10.9	6.28	0.39	5.98	11.0	15.7	17.2	16.0	11.5	5.14			
115	0.43	5.69	11.1	15.3	16.9	15.4	10.5	5.49	0.45	5.22	10.0	14.5	16.1	14.9	10.3	4.93			
120	0.50	5.39	10.5	14.3	15.7	13.8	9.06	4.46	0.51	4.53	8.54	13.4	14.9	13.7	8.21	3.79			
125	0.55	5.10	9.74	13.2	14.5	12.3	7.89	3.79	0.58	3.93	7.47	11.9	13.7	11.2	8.62	4.20			
130	0.62	4.53	8.99	12.0	13.2	10.6	7.03	3.56	0.63	3.42	6.63	10.1	12.4	10.1	7.87	4.49			
135	0.67	3.99	8.23	10.9	11.9	9.03	6.08	3.11	0.69	2.86	5.70	8.44	11.2	9.56	5.84	3.85			
140	0.72	3.49	7.46	9.76	10.6	7.54	4.87	2.80	0.75	2.55	4.87	7.09	9.86	6.91	6.91	3.26			
145	0.77	2.40	6.53	8.63	9.37	6.24	4.32	2.45	0.80	2.26	4.14	5.83	8.69	8.06	6.14	2.89			
150	0.82	0.88	5.31	7.51	8.12	4.55	3.63	0.86	0.85	0.86	3.30	4.74	7.41	6.99	5.17	0.87			
155	0.86	0.92	4.48	5.83	6.52	3.90	3.20	0.90	0.89	0.85	2.92	3.64	6.27	5.73	4.22	0.86			
160	0.89	0.95	1.62	4.83	5.27	3.12	1.86	0.94	0.92	0.87	2.57	2.87	4.92	4.59	3.35	0.89			
165	0.94	0.99	0.98	1.10	2.31	1.19	0.94	0.97	0.96	0.92	0.95	2.01	2.32	2.78	0.97	0.93			
170	0.95	1.00	0.99	1.00	0.97	0.99	0.95	0.99	0.99	0.94	0.98	0.96	0.99	0.98	1.00	0.95			
175	0.97	1.00	1.00	1.00	0.97	1.01	0.97	1.00	1.00	0.96	1.00	0.96	1.00	0.98	1.00	0.99			
180	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	0.9996			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

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Test Date:15 January 2025

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