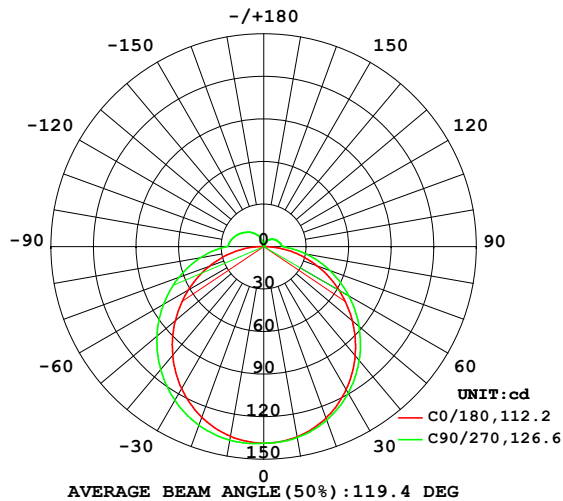


**LUMINAIRE PHOTOMETRIC TEST REPORT**

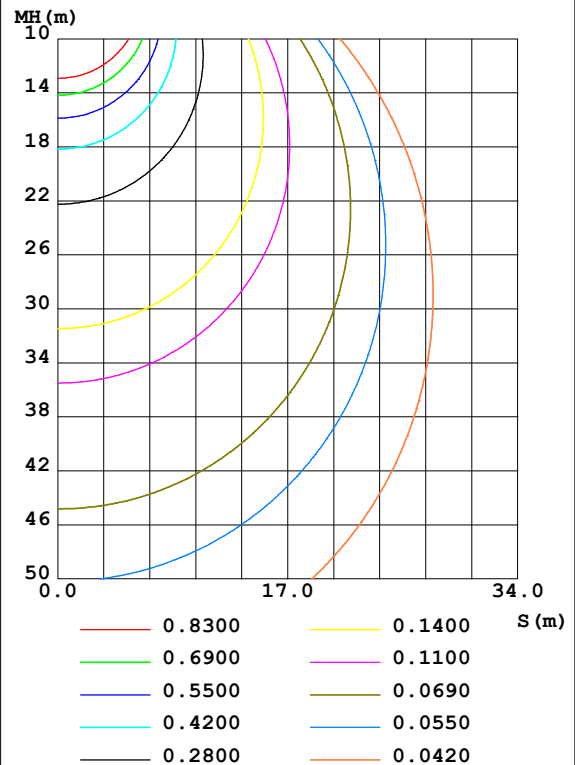
Test:U:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_TUNABLE @ 4000KTYPE:LED		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 44.65 lm/W			
MODEL NS-S1616-TW2765-15-CV		Imax(cd)	139.2	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	498.30	$\eta$ UP,DN(C0-180)	3.4,42.9
NOMINAL FLUX(lm)	498.304	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	6.5,47.2
LAMPS INSIDE	1	$\eta$ up(%)	9.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	$\eta$ down(%)	90.1	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:17 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	136.2	136.5	136.7	136.2	135.8	137.6	138.6	137.8	0- 10	13.16	13.16	2.64,2.64
20	128.6	129.6	130.1	129.2	128.1	132.0	134.0	132.3	10- 20	37.92	51.08	10.3,10.3
30	116.4	118.2	119.2	117.7	115.8	122.0	125.3	122.2	20- 30	57.91	109.0	21.9,21.9
40	100.4	103.0	104.8	102.6	99.94	108.5	113.1	108.6	30- 40	70.63	179.6	36,36
50	81.61	85.10	87.77	84.99	81.45	92.33	98.33	92.16	40- 50	74.83	254.4	51.1,51.1
60	61.22	65.68	69.20	65.83	61.48	74.50	81.68	74.10	50- 60	70.58	325.0	65.2,65.2
70	40.29	45.67	49.75	46.13	40.95	55.67	63.74	55.16	60- 70	59.08	384.1	77.1,77.1
80	19.47	25.91	30.41	26.50	20.53	36.53	45.21	35.92	70- 80	42.30	426.4	85.6,85.6
90	0.7567	9.245	13.93	9.700	1.389	18.79	26.18	18.24	80- 90	22.68	449.1	90.1,90.1
100	0.2273	7.994	12.03	8.366	0.2494	16.06	23.87	16.11	90-100	12.64	461.7	92.7,92.7
110	0.3152	7.301	10.93	7.095	0.3409	14.05	21.60	14.61	100-110	11.10	472.8	94.9,94.9
120	0.4178	6.490	9.656	5.885	0.4364	11.03	18.85	12.91	110-120	9.151	482.0	96.7,96.7
130	0.5241	5.589	8.188	4.541	0.5353	8.575	15.81	9.929	120-130	6.868	488.9	98.1,98.1
140	0.5975	4.450	6.626	3.090	0.6269	6.305	12.61	6.417	130-140	4.685	493.5	99,99
150	0.6744	3.505	4.805	2.361	0.7004	4.233	9.750	6.950	140-150	2.803	496.3	99.6,99.6
160	0.7331	1.350	3.361	1.373	0.7698	3.385	6.629	4.526	150-160	1.461	497.8	99.9,99.9
170	0.7771	0.8392	0.8066	0.7805	0.8175	0.8027	0.8067	0.8208	160-170	0.4261	498.2	100,100
180	0.8101	0.8319	0.8213	0.8208	0.8174	0.8136	0.8213	0.8208	170-180	0.0773	498.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 217.05 lm

%lum = 43.6%

%lamp = 43.6%

Conical surface Flux(120deg): 325.03 lm

%lum = 65.2%

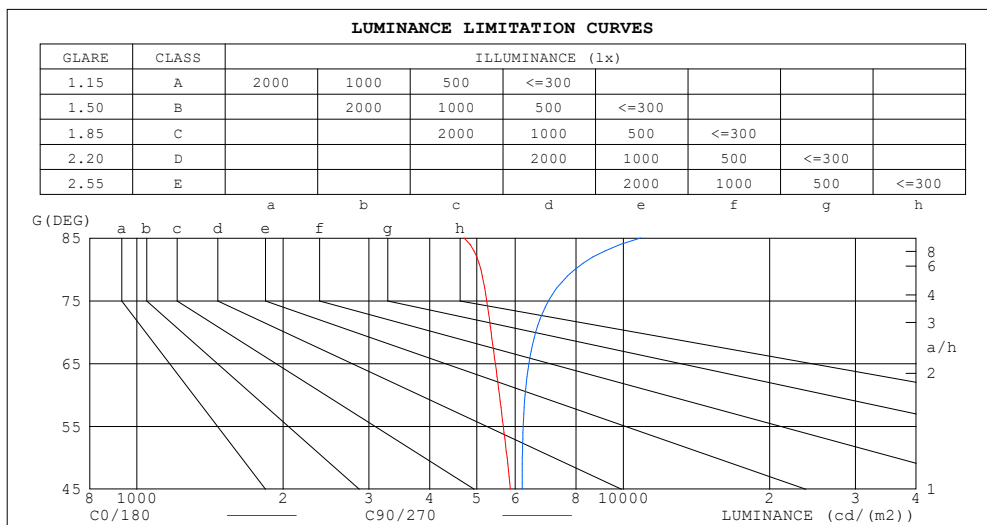
%lamp = 65.2%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_TUNABLE @ 4000KTYPE:LED		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4708	10854
80	5096	7957
75	5237	7018
70	5354	6608
65	5461	6397
60	5565	6288
55	5671	6230
50	5770	6204
45	5866	6203

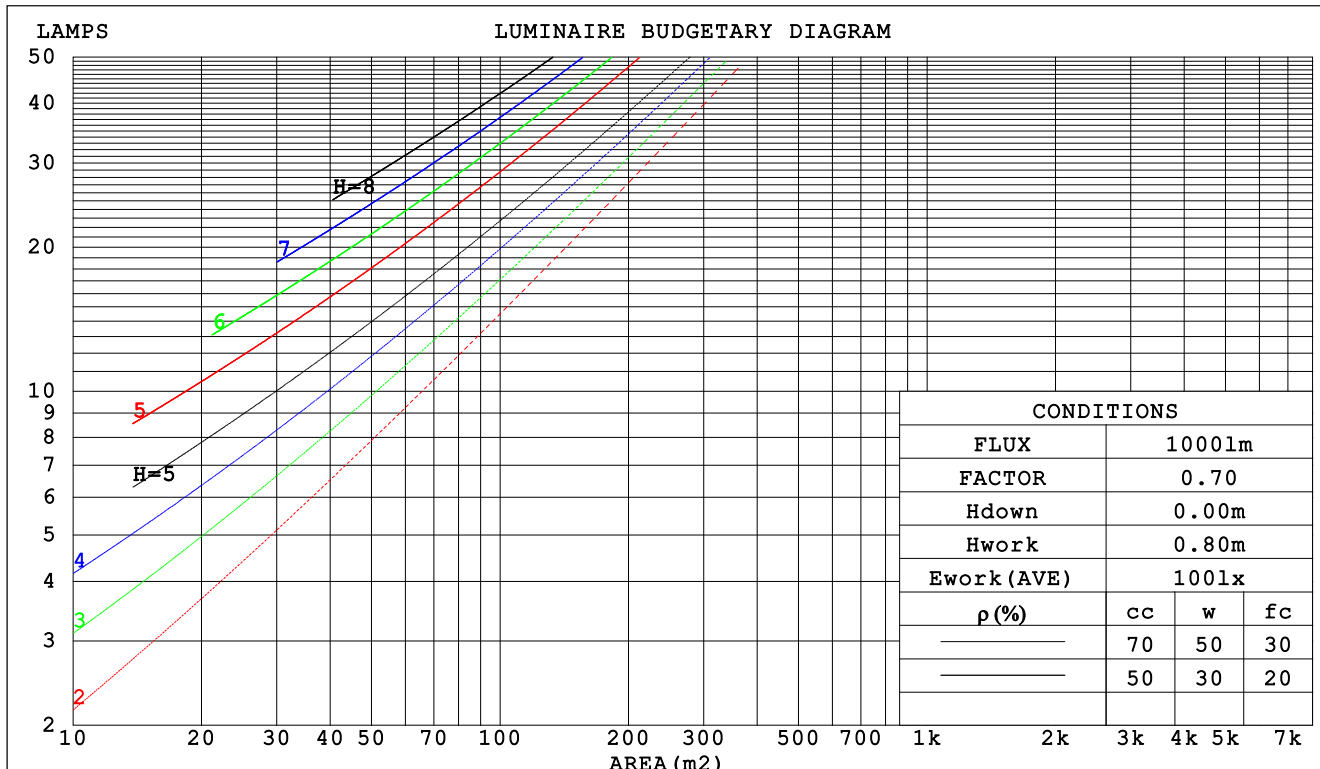
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 January 2025

$\gamma$  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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE 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	.99	.99	.99	.93	.93	.93	.90
1.0	.00	.95	.90	.96	.92	.88	.90	.87	.83	.85	.82	.79	.79	.77	.75	.72
2.0	.86	.78	.72	.83	.76	.71	.78	.72	.67	.73	.68	.64	.69	.65	.62	.59
3.0	.75	.66	.59	.73	.65	.58	.68	.61	.56	.64	.58	.54	.60	.55	.52	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.57	.50	.45	.53	.48	.44	.41
5.0	.59	.49	.43	.57	.48	.42	.54	.46	.41	.51	.44	.39	.48	.42	.38	.35
6.0	.53	.44	.37	.51	.43	.36	.48	.41	.35	.46	.39	.34	.43	.38	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.36	.31	.42	.35	.30	.39	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.36	.30	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.33	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.20



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_TUNABLE @ 4000K	TYPE: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	.348	.198	.063	.338	.193	.061	.318	.183	.058	.301	.174	.056	.285	.165	.053		
2.0	.313	.172	.053	.304	.167	.052	.287	.159	.050	.271	.152	.048	.256	.145	.046		
3.0	.283	.151	.045	.275	.147	.044	.260	.141	.043	.246	.135	.041	.233	.129	.040		
4.0	.258	.134	.039	.251	.131	.039	.237	.126	.038	.224	.120	.036	.212	.115	.035		
5.0	.236	.121	.035	.230	.118	.034	.217	.113	.033	.206	.109	.032	.195	.104	.031		
6.0	.218	.109	.031	.212	.107	.031	.201	.103	.030	.190	.099	.029	.180	.095	.028		
7.0	.202	.100	.028	.196	.098	.028	.186	.094	.027	.177	.091	.026	.168	.087	.026		
8.0	.188	.092	.026	.183	.090	.025	.174	.087	.025	.165	.083	.024	.156	.080	.023		
9.0	.175	.085	.024	.171	.083	.023	.162	.080	.023	.154	.077	.022	.147	.075	.022		
10.0	.165	.079	.022	.160	.078	.022	.153	.075	.021	.145	.072	.021	.138	.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	.266	.266	.266	.227	.227	.227	.155	.155	.155	.089	.089	.089	.028	.028	.028		
1.0	.259	.232	.207	.221	.199	.178	.151	.137	.123	.087	.079	.072	.028	.025	.023		
2.0	.251	.208	.172	.215	.179	.149	.148	.124	.104	.085	.072	.061	.027	.023	.020		
3.0	.244	.191	.149	.209	.165	.129	.144	.115	.091	.083	.067	.053	.027	.022	.018		
4.0	.236	.178	.134	.203	.154	.117	.139	.107	.082	.081	.063	.049	.026	.020	.016		
5.0	.229	.168	.124	.196	.146	.108	.135	.102	.076	.078	.060	.045	.025	.019	.015		
6.0	.221	.160	.116	.190	.139	.101	.131	.097	.072	.076	.057	.043	.025	.019	.014		
7.0	.214	.153	.111	.184	.133	.096	.127	.093	.068	.074	.055	.041	.024	.018	.013		
8.0	.208	.148	.106	.179	.128	.093	.124	.090	.066	.072	.053	.039	.023	.017	.013		
9.0	.202	.143	.103	.174	.124	.090	.120	.087	.064	.070	.051	.038	.023	.017	.013		
10.0	.196	.139	.101	.169	.120	.088	.117	.085	.062	.068	.050	.037	.022	.016	.012		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm										
NAME: NEON FLEX_S1616_SIDE 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	18.1	19.5	18.5	19.9	20.3	18.6	20.0	19.0	20.4	20.8
3H	19.7	21.0	20.1	21.4	21.9	20.5	21.8	20.9	22.2	22.6
4H	20.4	21.7	20.9	22.1	22.6	21.4	22.6	21.8	23.1	23.5
6H	21.0	22.2	21.4	22.6	23.1	22.3	23.4	22.7	23.9	24.4
8H	21.2	22.3	21.7	22.8	23.3	22.7	23.8	23.2	24.3	24.8
12H	21.3	22.4	21.8	22.9	23.4	23.1	24.2	23.6	24.7	25.2
4H 2H	18.8	20.0	19.2	20.5	20.9	19.2	20.4	19.6	20.8	21.3
3H	20.6	21.7	21.1	22.2	22.7	21.3	22.4	21.8	22.8	23.3
4H	21.5	22.5	22.0	23.0	23.5	22.3	23.3	22.9	23.8	24.4
6H	22.2	23.1	22.7	23.6	24.2	23.4	24.3	23.9	24.8	25.4
8H	22.4	23.3	23.0	23.8	24.4	23.9	24.7	24.5	25.3	25.9
12H	22.6	23.4	23.2	24.0	24.6	24.4	25.2	25.0	25.8	26.4
8H 4H	21.9	22.7	22.4	23.3	23.9	22.6	23.5	23.2	24.0	24.6
6H	22.8	23.5	23.4	24.1	24.7	23.9	24.6	24.5	25.2	25.8
8H	23.2	23.8	23.8	24.4	25.1	24.6	25.2	25.2	25.8	26.5
12H	23.5	24.1	24.2	24.7	25.4	25.3	25.8	25.9	26.5	27.1
12H 4H	22.0	22.7	22.5	23.3	23.9	22.7	23.4	23.2	24.0	24.6
6H	23.0	23.6	23.6	24.2	24.9	24.0	24.6	24.6	25.2	25.9
8H	23.5	24.0	24.1	24.6	25.3	24.8	25.3	25.4	25.9	26.6
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 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 498.3 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

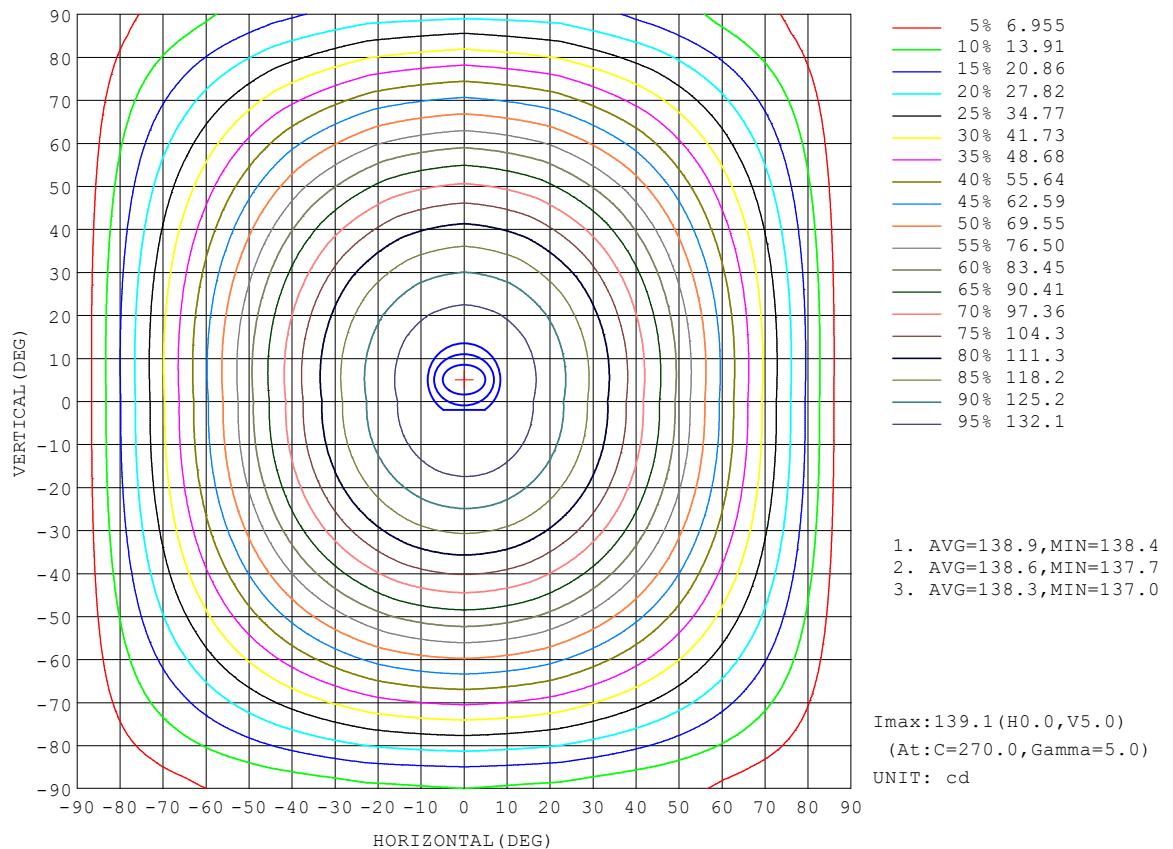
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	40	33	50	39	33	26
0.80	62	50	42	61	49	42	58	48	41	33
1.00	70	58	50	68	57	50	65	58	49	41
1.25	77	65	57	75	64	57	71	62	56	47
1.50	82	71	63	80	70	62	76	67	61	51
2.00	89	79	72	87	78	71	82	74	68	58
2.50	93	84	77	91	82	76	85	79	73	62
3.00	97	89	82	94	87	81	88	82	78	66
4.00	101	94	89	98	92	87	92	87	83	71
5.00	104	98	93	101	95	91	94	90	87	74
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



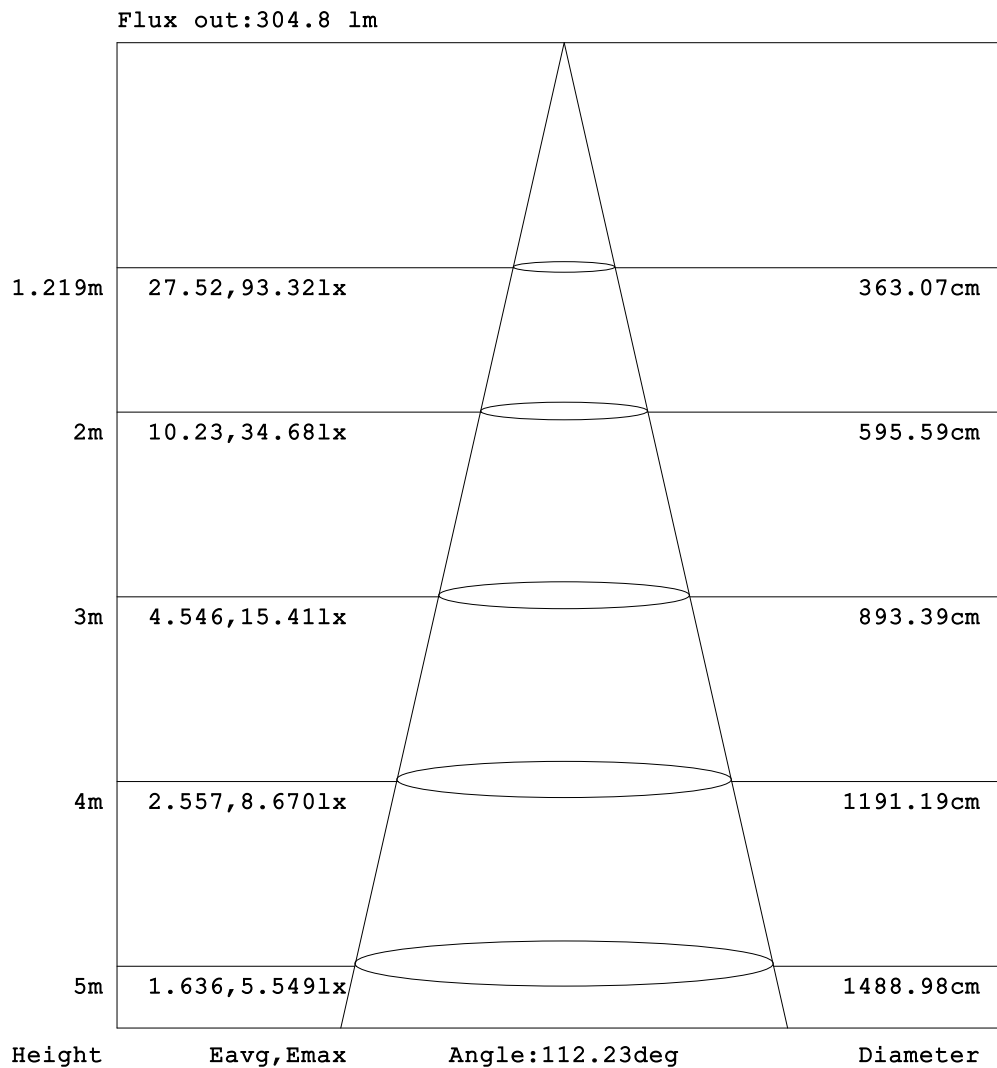
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 January 2025

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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_TUNABLE @ 4000KTYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



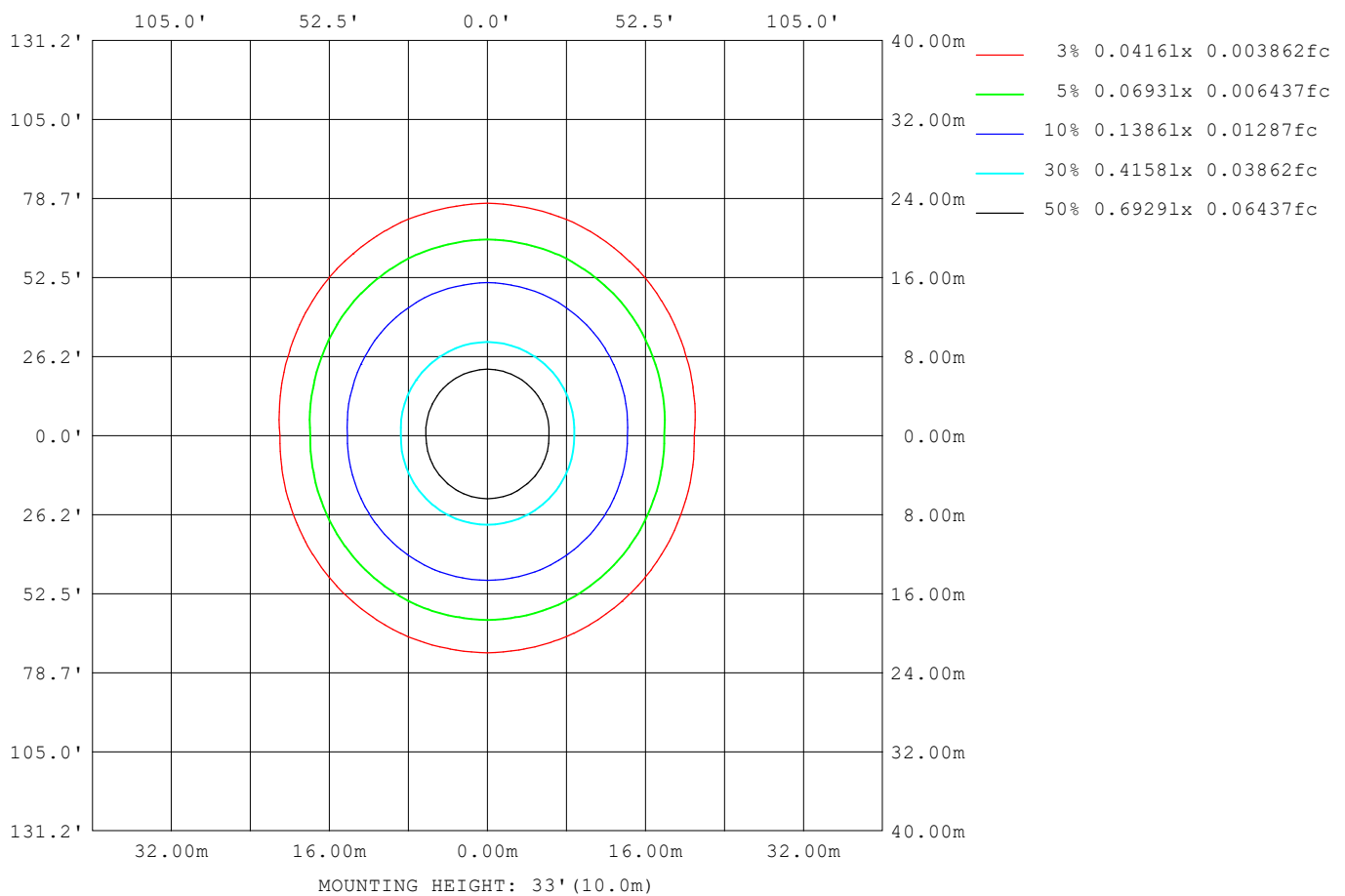
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE 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:17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_TUNABLE @ 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

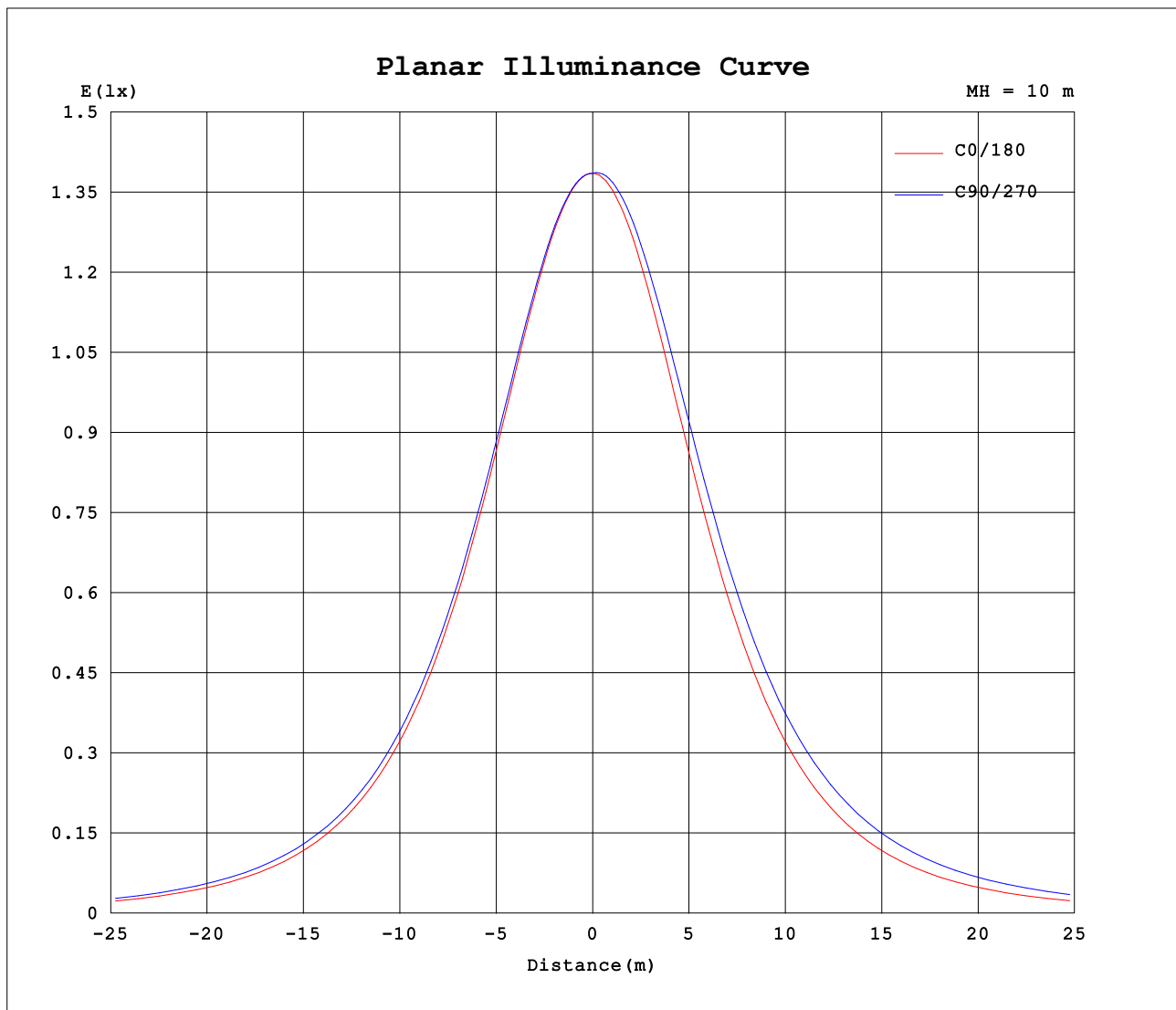
AvgL	cd/m2
L_0~180 (65) av	5486
L_0~180 (75) av	5314
L_0~180 (85) av	5024
L_90~270 (65) av	7116
L_90~270 (75) av	8299
L_90~270 (85) av	14767
L_45 (65) av	6495
L_45 (75) av	7182
L_45 (85) av	11277

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:17 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: 17 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:240.0V I:0.0651A P:11.16W PF:0.7137 Lamp Flux:498.304x1 lm		
NAME: NEON FLEX_S1616_SIDE 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	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139			
5	138	138	138	138	138	138	138	138	138	138	139	139	139	139	139	138			
10	136	136	136	137	137	137	136	136	136	137	138	138	139	138	138	137			
15	133	133	134	134	134	134	133	133	133	134	135	136	137	136	136	134			
20	129	129	130	130	130	130	129	128	128	130	132	133	134	134	132	130			
25	123	124	124	125	125	125	124	123	122	125	128	129	130	129	128	125			
30	116	117	118	119	119	119	118	117	116	119	122	124	125	124	122	119			
35	109	110	111	112	112	112	111	109	108	112	116	118	120	118	116	112			
40	100	101	103	104	105	104	103	101	99.9	104	109	112	113	112	109	104			
45	91.3	92.6	94.3	96.0	96.5	95.9	94.1	92.2	90.9	95.6	101	104	106	104	101	95.7			
50	81.6	83.0	85.1	87.1	87.8	87.1	85.0	82.9	81.5	86.6	92.3	96.6	98.3	96.5	92.2	86.6			
55	71.6	73.1	75.5	77.8	78.7	77.9	75.5	73.1	71.6	77.2	83.6	88.3	90.2	88.2	83.3	77.0			
60	61.2	63.0	65.7	68.3	69.2	68.4	65.8	63.2	61.5	67.5	74.5	79.6	81.7	79.5	74.1	67.1			
65	50.8	52.6	55.7	58.5	59.5	58.7	56.0	53.0	51.2	57.6	65.1	70.6	72.8	70.5	64.7	57.1			
70	40.3	42.4	45.7	48.7	49.7	48.9	46.1	42.9	41.0	47.7	55.7	61.5	63.7	61.3	55.2	47.1			
75	29.8	32.2	35.7	38.9	40.0	39.1	36.2	32.9	30.7	37.8	46.1	52.2	54.5	52.0	45.5	37.0			
80	19.5	22.1	25.9	29.3	30.4	29.5	26.5	23.0	20.5	28.0	36.5	42.8	45.2	42.6	35.9	27.1			
85	9.03	12.2	16.3	19.7	20.8	19.9	16.9	13.2	10.2	18.2	27.0	33.3	35.8	33.2	26.3	17.2			
90	0.76	4.83	9.24	12.7	13.9	12.8	9.70	5.58	1.39	10.0	18.8	24.4	26.2	25.2	18.2	9.22			
95	0.21	4.27	8.36	11.5	12.6	11.5	8.73	4.94	0.21	9.18	16.7	22.7	24.7	23.2	16.8	8.49			
100	0.23	4.01	7.99	10.9	12.0	11.0	8.37	4.77	0.25	8.53	16.1	21.8	23.9	22.3	16.1	8.10			
105	0.29	3.82	7.65	10.4	11.5	10.5	7.92	4.53	0.30	7.98	14.5	20.9	22.8	21.3	15.4	7.77			
110	0.32	3.65	7.30	9.93	10.9	10.0	7.09	4.32	0.34	7.74	14.0	19.8	21.6	20.2	14.6	7.44			
115	0.37	3.51	6.93	9.37	10.3	9.42	6.78	3.67	0.39	6.80	12.9	18.4	20.3	19.0	13.8	6.17			
120	0.42	3.34	6.49	8.78	9.66	8.37	5.88	3.06	0.44	5.89	11.0	15.2	18.8	17.7	12.9	5.53			
125	0.47	2.99	6.04	8.14	8.95	7.92	5.13	2.42	0.49	5.12	9.62	15.0	17.4	16.3	11.9	4.58			
130	0.52	2.81	5.59	7.45	8.19	6.55	4.54	2.28	0.54	4.47	8.58	13.0	15.8	14.8	9.93	4.60			
135	0.56	2.62	5.14	6.74	7.40	5.68	3.88	2.00	0.59	3.69	7.38	10.7	14.4	13.3	7.30	5.31			
140	0.60	2.22	4.45	6.06	6.63	4.74	3.09	1.81	0.63	3.27	6.30	9.09	12.6	10.1	6.42	4.63			
145	0.64	1.69	4.05	5.26	5.86	3.82	2.81	1.63	0.67	2.90	5.35	7.52	11.4	5.99	8.09	3.98			
150	0.67	0.75	3.50	4.43	4.81	2.95	2.36	0.71	0.70	0.85	4.23	6.11	9.75	8.74	6.95	0.77			
155	0.70	0.78	2.88	3.80	4.15	2.55	2.09	0.75	0.74	0.70	3.76	4.67	8.33	7.68	5.76	0.73			
160	0.73	0.81	1.35	3.07	3.36	2.06	1.37	0.78	0.77	0.71	3.38	3.63	6.63	6.17	4.53	0.73			
165	0.76	0.82	0.84	0.95	1.60	1.00	0.78	0.80	0.79	0.74	0.77	2.55	2.89	3.96	0.81	0.76			
170	0.78	0.82	0.84	0.83	0.81	0.81	0.78	0.82	0.82	0.77	0.80	0.79	0.81	0.81	0.82	0.78			
175	0.79	0.82	0.84	0.83	0.81	0.82	0.80	0.83	0.82	0.78	0.81	0.79	0.82	0.81	0.82	0.80			
180	0.81	0.82	0.83	0.83	0.82	0.82	0.82	0.83	0.82	0.81	0.81	0.80	0.82	0.82	0.82	0.82			

C Range: 0 - 360DEG

C Interval: 22.5DEG

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