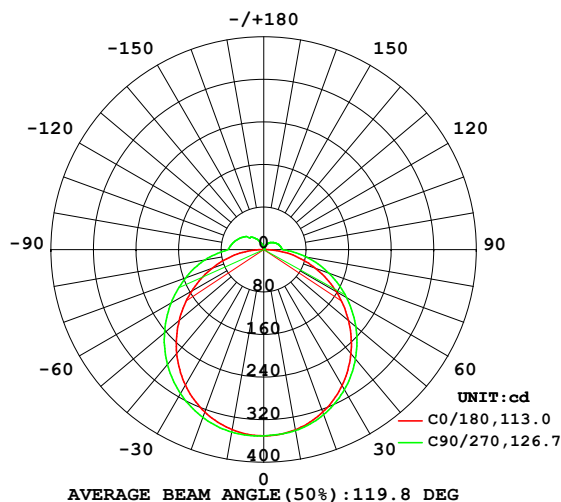


LUMINAIRE PHOTOMETRIC TEST REPORT

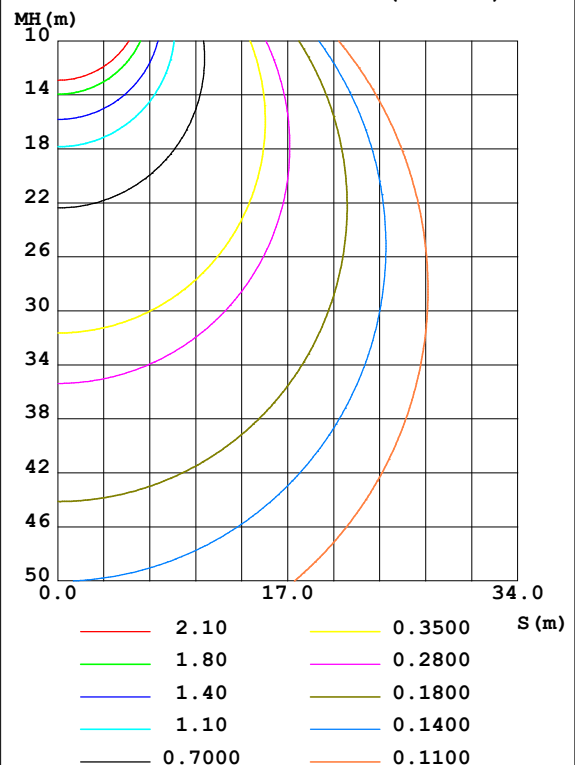
Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.76 lm/W			
NEON FLEX_S1616_SIDE VIEW_15WM_3000K		Imax(cd)	350.6	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	1264.8	η UP,DN(C0-180)	3.6,43.6
NOMINAL FLUX(lm)	1264.81	CIE CLASS	DIRECT	η UP,DN(C180-360)	6.3,46.5
LAMPS INSIDE	1	η up(%)	9.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η 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:30 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	343.9	344.6	345.5	344.5	343.8	346.9	348.5	346.8	0- 10	33.21	33.21	2.63,2.63
20	325.2	328.1	330.2	328.1	324.8	332.2	335.7	332.0	10- 20	95.72	128.9	10.2,10.2
30	295.0	300.3	303.9	300.5	294.6	306.8	313.0	306.2	20- 30	146.3	275.3	21.8,21.8
40	255.2	263.1	268.5	263.6	254.8	272.4	281.7	271.8	30- 40	178.8	454.1	35.9,35.9
50	208.3	218.9	226.2	219.7	207.8	231.3	243.8	230.5	40- 50	189.8	643.8	50.9,50.9
60	157.1	170.4	179.7	171.4	156.7	185.7	201.3	184.8	50- 60	179.2	823.0	65.1,65.1
70	104.2	120.1	130.9	121.4	103.9	137.9	156.5	136.9	60- 70	150.2	973.3	76.9,76.9
80	51.36	69.76	81.43	71.45	51.27	90.92	111.9	89.83	70- 80	108.1	1081	85.5,85.5
90	3.326	24.80	36.14	25.24	2.626	46.12	67.93	46.10	80- 90	58.20	1140	90.1,90.1
100	0.6297	22.41	32.68	22.47	0.6373	40.83	61.00	40.91	90-100	33.05	1173	92.7,92.7
110	0.8715	19.89	29.31	19.04	0.8863	32.72	54.36	36.58	100-110	28.69	1201	95,95
120	1.124	17.61	25.38	15.13	1.143	26.49	46.86	31.90	110-120	23.34	1225	96.8,96.8
130	1.395	14.99	21.29	11.54	1.388	19.93	34.36	27.12	120-130	17.37	1242	98.2,98.2
140	1.589	11.77	17.10	8.583	1.597	13.82	29.74	21.27	130-140	11.57	1254	99.1,99.1
150	1.780	7.789	12.82	5.449	1.802	8.204	20.76	13.54	140-150	6.830	1260	99.7,99.7
160	1.926	5.339	7.468	4.114	1.956	5.863	12.29	7.989	150-160	3.165	1264	99.9,99.9
170	2.043	2.128	2.539	2.041	2.069	2.041	2.046	2.082	160-170	1.053	1265	100,100
180	2.091	2.114	2.090	2.085	2.095	2.114	2.101	2.115	170-180	0.1984	1265	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 548.96 lm

%lum = 43.4%

%lamp = 43.4%

Conical surface Flux(120deg): 823.05 lm

%lum = 65.1%

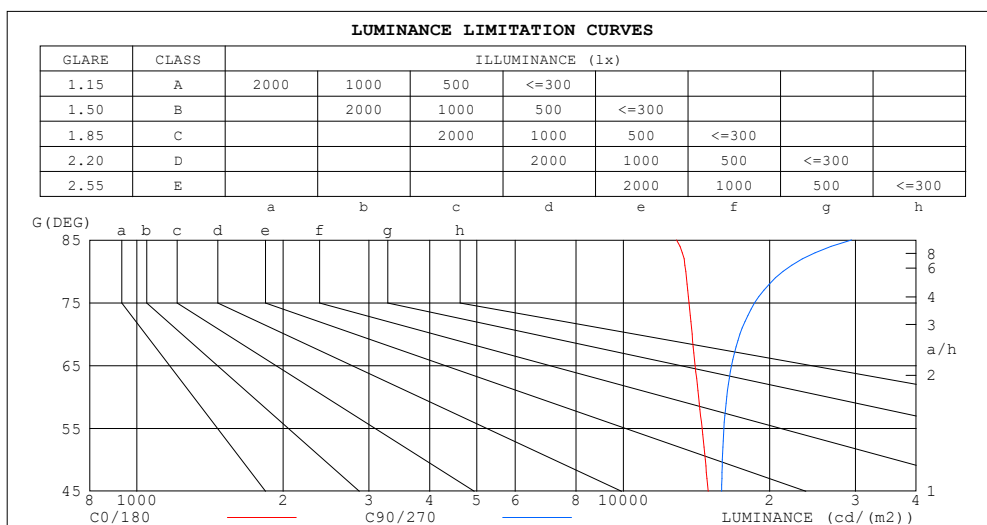
%lamp = 65.1%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JEFF
 Test Date:30 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:7.888m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12866	29481
80	13451	21302
75	13655	18638
70	13853	17380
65	14055	16706
60	14289	16323
55	14517	16103
50	14740	15987
45	14952	15936

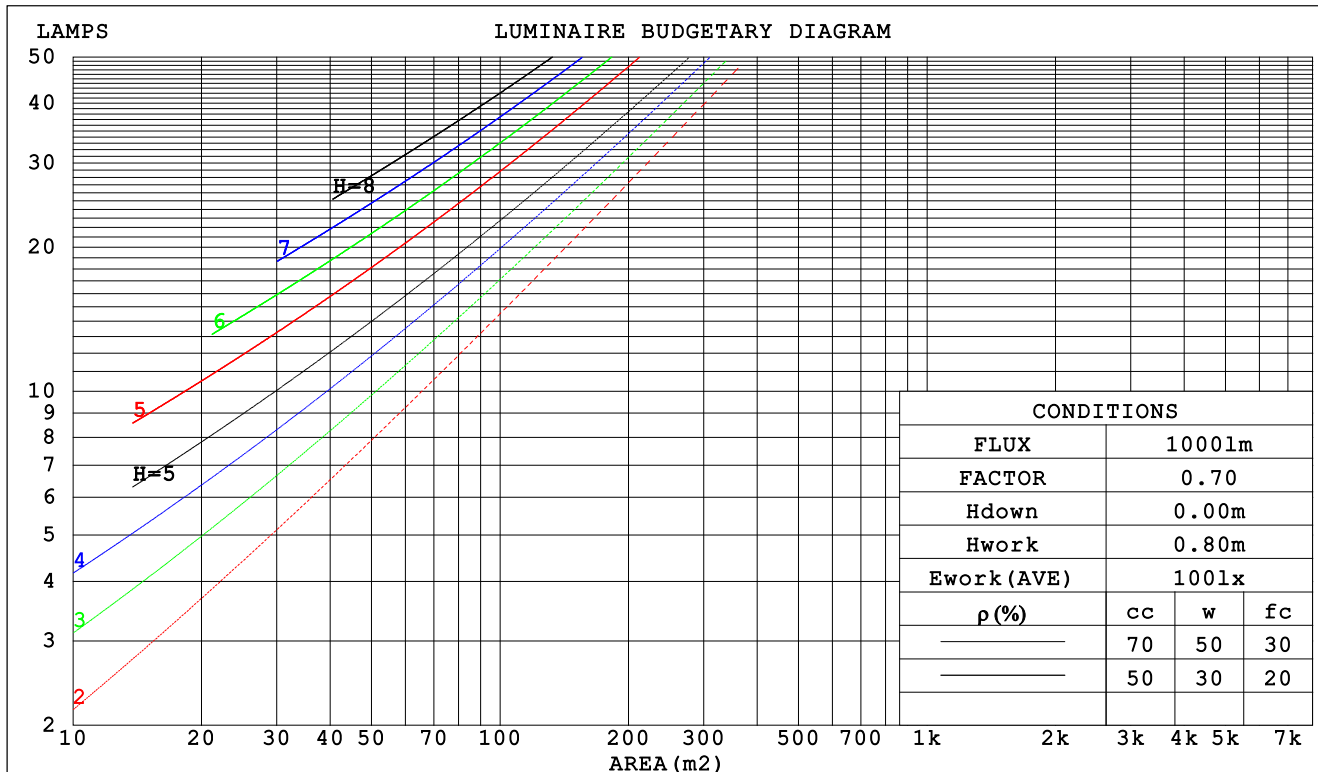
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:30 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.99	.95	.90	.96	.92	.88	.90	.87	.83	.84	.82	.79	.79	.77	.75	.72
2.0	.86	.78	.72	.83	.76	.71	.78	.72	.67	.73	.68	.64	.69	.65	.61	.59
3.0	.75	.66	.59	.72	.64	.58	.68	.61	.56	.64	.58	.54	.60	.55	.51	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.57	.50	.45	.53	.48	.44	.41
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.40	.51	.44	.39	.48	.42	.38	.35
6.0	.53	.43	.37	.51	.43	.36	.48	.41	.35	.46	.39	.34	.43	.37	.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	.23	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:30 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	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	.349 .198 .063	.338 .193 .061	.319 .183 .059	.302 .174 .056	.286 .166 .053	
2.0	.314 .172 .053	.305 .168 .052	.287 .160 .050	.272 .152 .048	.257 .145 .046	
3.0	.284 .151 .045	.276 .148 .044	.260 .141 .043	.246 .135 .041	.233 .129 .040	
4.0	.258 .134 .039	.251 .131 .039	.237 .126 .038	.224 .121 .036	.213 .115 .035	
5.0	.237 .121 .035	.230 .118 .034	.218 .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	.197 .098 .028	.186 .094 .027	.177 .091 .026	.168 .087 .026	
8.0	.188 .092 .026	.183 .090 .025	.174 .087 .025	.165 .084 .024	.157 .080 .023	
9.0	.176 .085 .024	.171 .083 .023	.163 .080 .023	.154 .077 .022	.147 .075 .022	
10.0	.165 .079 .022	.161 .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	.222 .199 .178	.152 .137 .123	.087 .079 .072	.028 .026 .023	
2.0	.252 .208 .172	.216 .179 .149	.148 .124 .104	.085 .072 .061	.027 .023 .020	
3.0	.244 .191 .149	.209 .165 .129	.144 .115 .091	.083 .067 .054	.027 .022 .018	
4.0	.236 .179 .134	.203 .154 .117	.140 .108 .082	.081 .063 .049	.026 .021 .016	
5.0	.229 .168 .124	.197 .146 .108	.135 .102 .076	.078 .060 .045	.025 .020 .015	
6.0	.222 .160 .116	.190 .139 .101	.131 .097 .072	.076 .057 .043	.025 .019 .014	
7.0	.215 .154 .111	.185 .133 .097	.128 .093 .068	.074 .055 .041	.024 .018 .013	
8.0	.208 .148 .107	.179 .128 .093	.124 .090 .066	.072 .053 .039	.023 .017 .013	
9.0	.202 .143 .103	.174 .124 .090	.121 .087 .064	.070 .052 .038	.023 .017 .013	
10.0	.196 .139 .101	.169 .121 .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:30 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm										
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K					TYPE: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	21.4	22.9	21.8	23.2	23.6	21.9	23.4	22.3	23.7	24.1
3H	23.1	24.4	23.5	24.8	25.2	23.9	25.2	24.3	25.6	26.0
4H	23.8	25.0	24.2	25.5	25.9	24.8	26.1	25.3	26.5	27.0
6H	24.4	25.6	24.8	26.0	26.5	25.7	26.9	26.2	27.4	27.9
8H	24.6	25.7	25.1	26.2	26.7	26.2	27.3	26.7	27.8	28.3
12H	24.7	25.8	25.2	26.3	26.8	26.6	27.7	27.1	28.2	28.7
4H 2H	22.1	23.4	22.6	23.8	24.3	22.5	23.8	23.0	24.2	24.7
3H	24.0	25.1	24.5	25.6	26.1	24.7	25.8	25.2	26.3	26.8
4H	24.9	25.9	25.4	26.4	26.9	25.8	26.8	26.3	27.3	27.8
6H	25.6	26.5	26.2	27.0	27.6	26.9	27.8	27.4	28.3	28.9
8H	25.9	26.7	26.5	27.3	27.9	27.4	28.3	28.0	28.8	29.4
12H	26.1	26.9	26.7	27.4	28.1	28.0	28.7	28.5	29.3	29.9
8H 4H	25.3	26.2	25.9	26.7	27.3	26.1	27.0	26.7	27.5	28.1
6H	26.3	27.0	26.9	27.6	28.2	27.4	28.1	28.0	28.7	29.4
8H	26.7	27.3	27.3	27.9	28.6	28.1	28.8	28.7	29.3	30.0
12H	27.1	27.6	27.7	28.2	28.9	28.9	29.4	29.5	30.0	30.7
12H 4H	25.4	26.2	26.0	26.7	27.4	26.1	26.9	26.7	27.5	28.1
6H	26.5	27.1	27.1	27.7	28.3	27.5	28.2	28.1	28.8	29.4
8H	27.0	27.5	27.6	28.1	28.8	28.3	28.8	28.9	29.5	30.1
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 1265 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:30 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

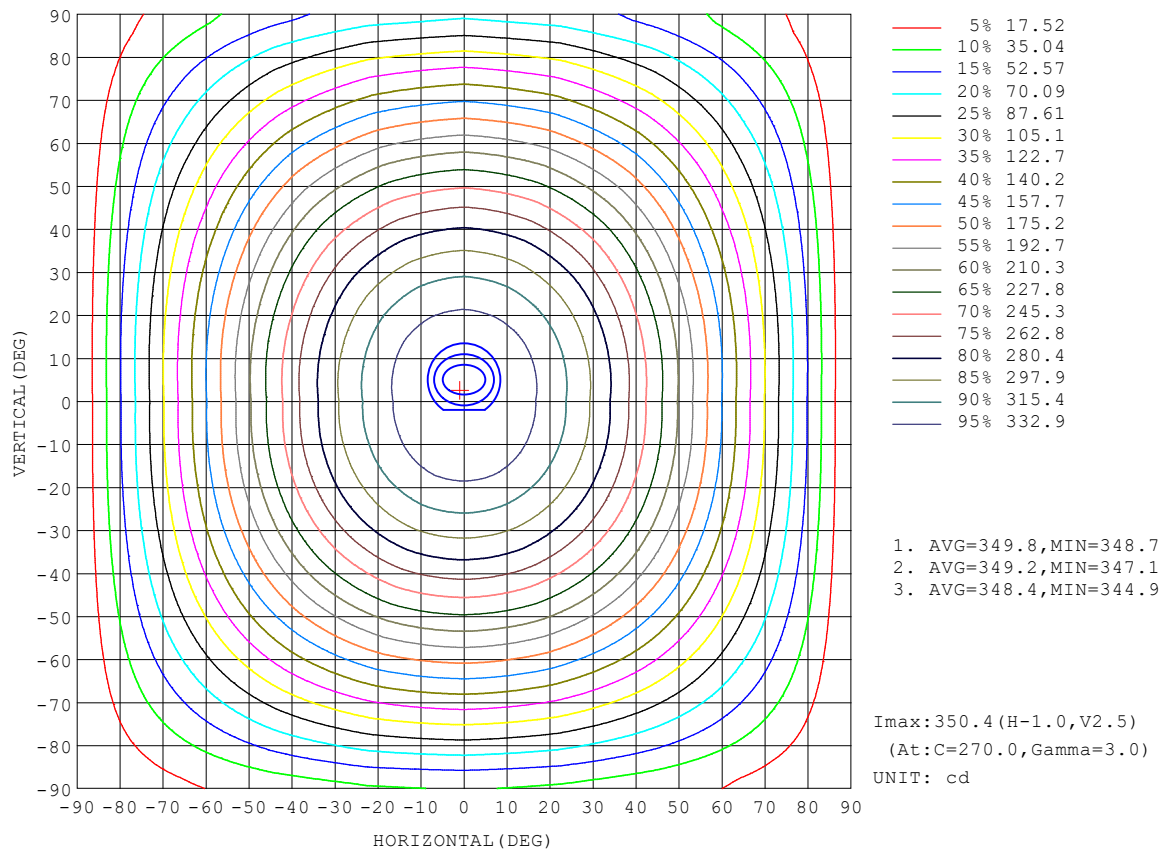
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	40	33	50	39	33	26
0.80	62	49	42	60	49	41	58	48	41	33
1.00	70	58	50	68	57	49	65	58	49	40
1.25	77	65	57	75	64	57	71	62	55	47
1.50	82	71	63	80	70	62	76	67	61	51
2.00	89	79	72	87	77	71	82	74	68	58
2.50	93	84	77	90	82	76	85	78	73	62
3.00	97	89	82	94	87	81	88	82	77	66
4.00	101	94	89	98	92	87	92	87	83	71
5.00	104	98	93	101	95	91	94	90	86	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:30 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

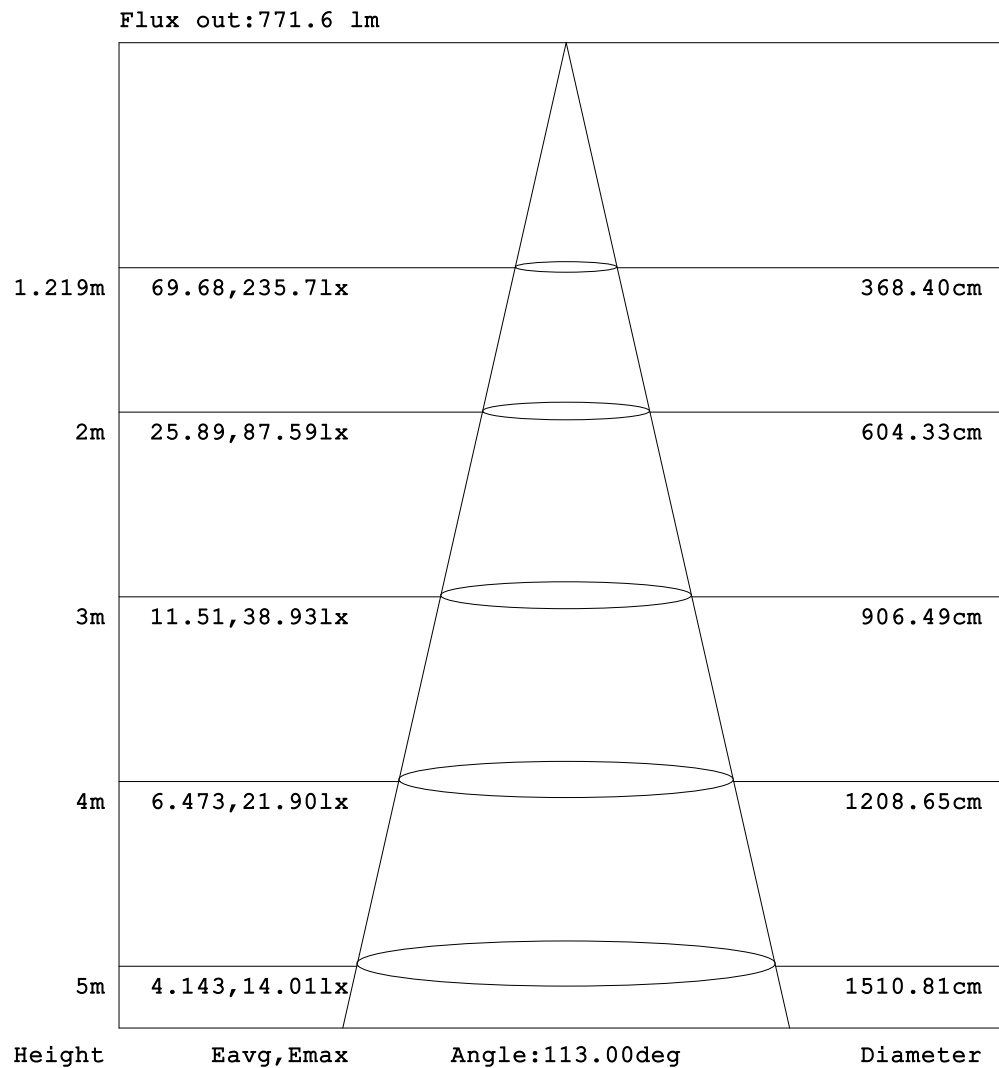


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:30 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



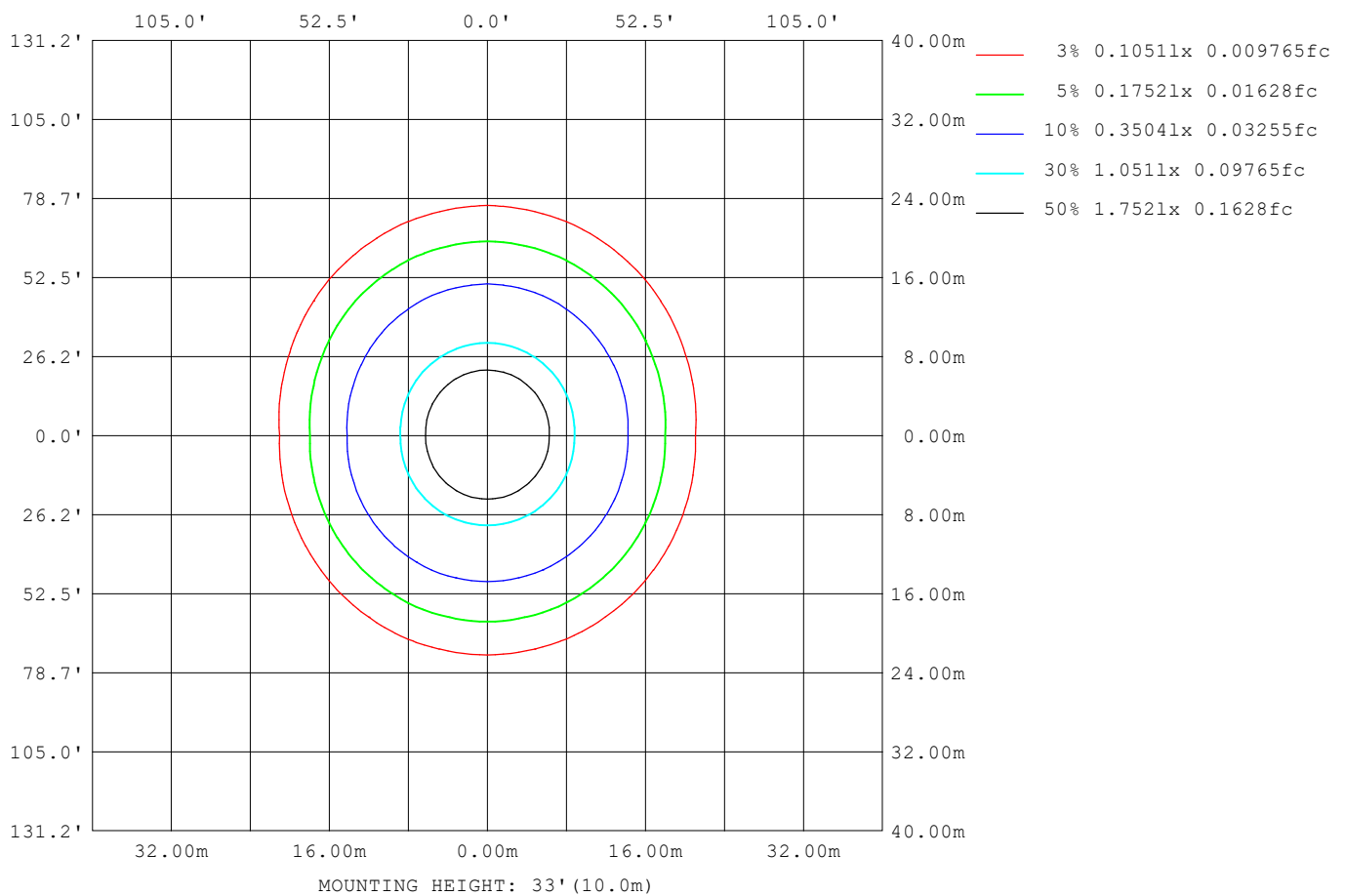
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:30 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE: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:30 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

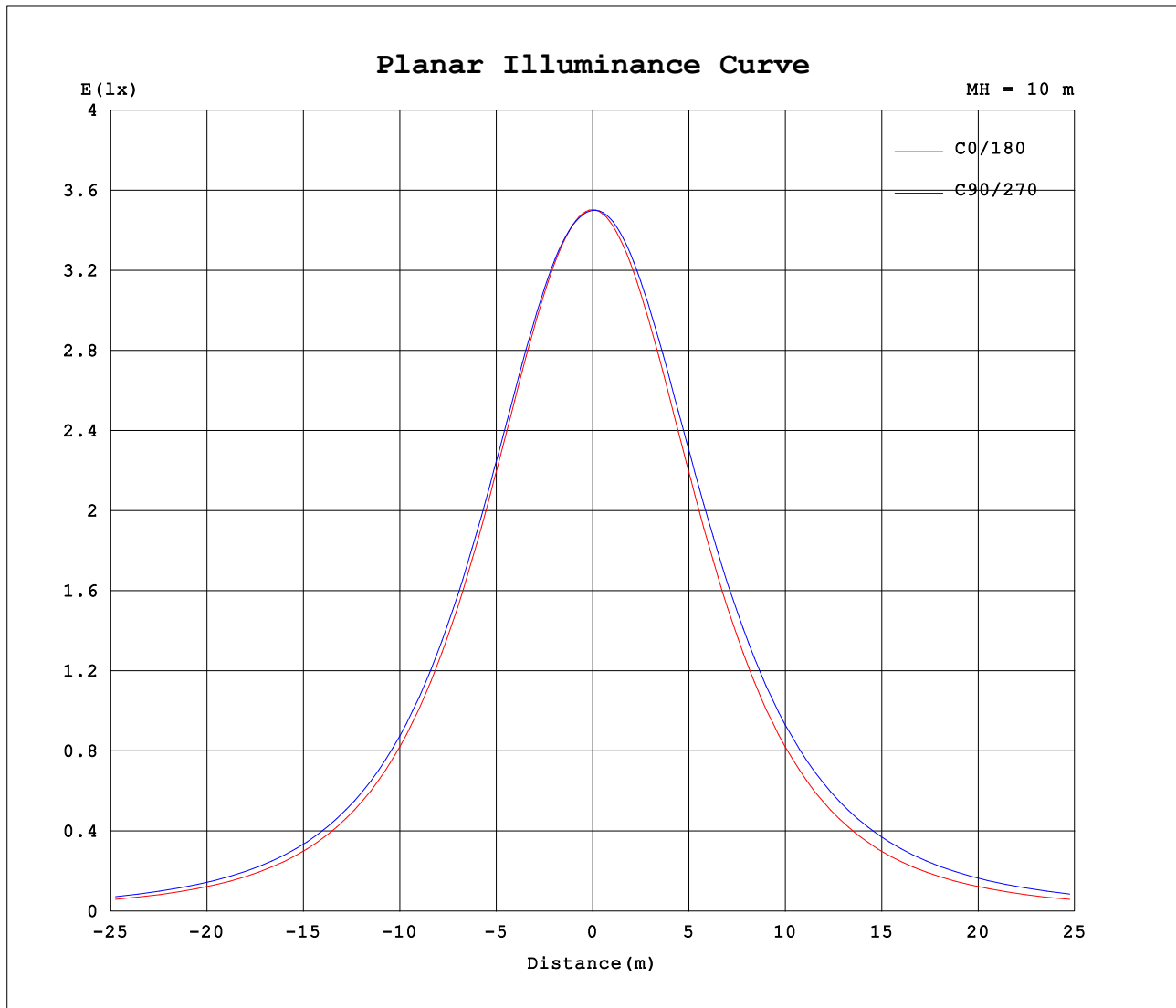
AvgL	cd/m2
L_0~180 (65) av	14031
L_0~180 (75) av	13630
L_0~180 (85) av	12963
L_90~270 (65) av	17975
L_90~270 (75) av	21138
L_90~270 (85) av	37654
L_45 (65) av	16529
L_45 (75) av	18367
L_45 (85) av	29178

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:30 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.888m [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: 30 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 7.888m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.1V I:0.0847A P:16.70W PF:0.8210 Lamp Flux:1264.81x1 lm		
NAME: NEON FLEX_S1616_SIDE VIEW_15WM_3000K	TYPE: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	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350			
5	349	348	348	349	349	349	348	348	349	349	350	350	351	350	350	349			
10	344	344	345	345	346	345	344	344	344	345	347	348	348	348	347	345			
15	336	337	338	339	339	339	338	336	336	338	341	343	343	343	341	338			
20	325	326	328	330	330	330	328	326	325	328	332	335	336	334	332	328			
25	311	313	316	318	318	318	316	313	311	316	321	324	325	324	320	316			
30	295	297	300	303	304	303	300	297	295	300	307	311	313	311	306	300			
35	276	279	283	286	287	286	283	279	276	283	291	296	298	296	290	283			
40	255	259	263	267	269	268	264	259	255	263	272	279	282	279	272	263			
45	232	237	242	246	248	247	242	237	232	241	253	261	264	260	252	241			
50	208	213	219	224	226	225	220	213	208	218	231	240	244	240	231	218			
55	183	188	195	201	203	202	196	188	183	194	209	219	223	219	208	194			
60	157	163	170	177	180	178	171	163	157	170	186	197	201	196	185	169			
65	131	137	145	153	155	154	147	137	130	144	162	174	179	174	161	144			
70	104	111	120	128	131	129	121	112	104	119	138	151	157	151	137	119			
75	77.7	85.2	94.9	103	106	104	96.4	85.9	77.5	94.1	114	129	135	128	113	93.4			
80	51.4	59.5	69.8	78.2	81.4	79.4	71.5	60.6	51.3	69.2	90.9	106	112	106	89.8	68.2			
85	24.7	34.1	44.6	53.2	56.6	54.5	46.4	35.4	25.1	45.0	67.0	82.2	87.8	81.6	65.8	44.0			
90	3.33	13.9	24.8	33.0	36.1	33.4	25.2	13.9	2.63	24.3	46.1	62.1	67.9	62.2	46.1	24.4			
95	0.53	13.0	23.5	31.2	34.1	31.2	23.4	12.7	0.55	22.2	43.1	58.5	64.2	58.8	43.2	22.4			
100	0.63	12.0	22.4	29.9	32.7	30.0	22.5	12.2	0.64	21.1	40.8	55.6	61.0	55.7	40.9	21.2			
105	0.75	11.4	21.2	28.4	31.1	28.6	21.4	11.5	0.76	19.4	37.6	52.7	57.8	52.8	38.8	20.2			
110	0.87	11.1	19.9	26.7	29.3	27.0	19.0	10.9	0.89	18.2	32.7	49.6	54.4	49.6	36.6	19.3			
115	0.99	10.3	18.7	25.0	27.4	25.3	17.8	9.82	1.01	16.1	30.9	39.4	50.7	46.3	34.3	18.3			
120	1.12	9.27	17.6	23.2	25.4	23.5	15.1	8.48	1.14	13.9	26.5	41.0	46.9	42.9	31.9	16.9			
125	1.28	8.39	16.4	21.4	23.4	21.5	13.0	7.25	1.27	10.9	22.4	37.8	42.9	39.3	29.5	14.4			
130	1.40	7.21	15.0	19.4	21.3	17.7	11.5	5.84	1.39	8.70	19.9	31.5	34.4	35.8	27.1	12.2			
135	1.50	5.99	13.4	17.5	19.2	15.0	9.93	4.53	1.49	6.86	16.8	25.3	33.3	32.2	24.4	10.6			
140	1.59	5.20	11.8	15.5	17.1	12.5	8.58	4.04	1.60	5.90	13.8	21.2	29.7	26.2	21.3	8.77			
145	1.69	4.66	10.2	13.6	14.9	10.4	7.22	3.79	1.70	5.37	10.4	17.1	25.4	23.6	16.3	6.96			
150	1.78	4.01	7.79	11.7	12.8	8.44	5.45	3.57	1.80	4.45	8.20	12.6	20.8	18.3	13.5	2.38			
155	1.86	2.09	6.55	8.82	10.2	6.21	4.67	3.34	1.88	1.84	6.88	9.37	15.6	14.8	10.9	1.86			
160	1.93	2.01	5.34	6.92	7.47	4.69	4.11	1.96	1.96	1.88	5.86	6.69	12.3	11.2	7.99	1.91			
165	1.98	2.07	3.08	5.27	4.06	3.95	3.68	2.02	2.01	1.96	1.99	5.31	5.46	6.96	2.04	1.98			
170	2.04	2.10	2.13	2.09	2.54	2.06	2.04	2.07	2.07	2.01	2.04	2.02	2.05	2.03	2.08	2.04			
175	2.07	2.11	2.13	2.11	2.07	2.09	2.06	2.10	2.09	2.06	2.09	2.05	2.10	2.06	2.11	2.07			
180	2.09	2.11	2.11	2.11	2.09	2.10	2.09	2.11	2.09	2.09	2.11	2.07	2.10	2.07	2.11	2.09			

C Range: 0 - 360DEG

C Interval: 22.5DEG

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