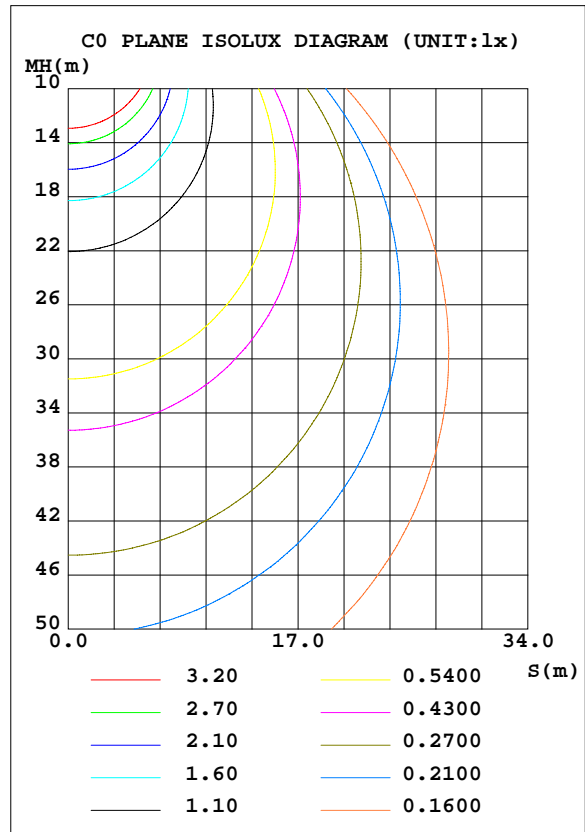
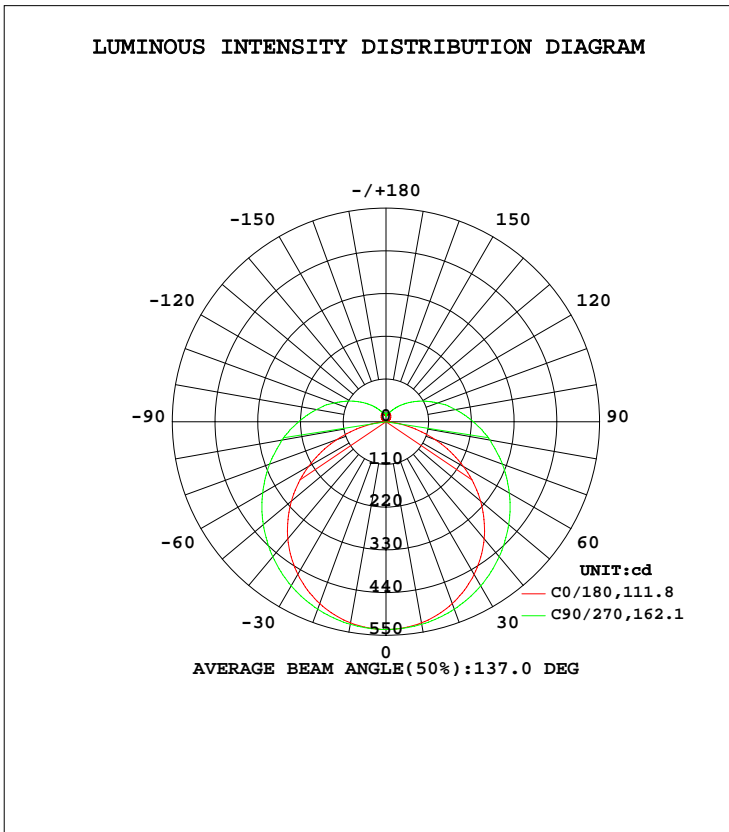


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	4906BN-36	Imax(cd)	535.2	S/MH(C0/180)	1.26
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2380.2	η UP, DN(C0-180)	8.5,41.5
NOMINAL FLUX(lm)	2380.16	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.5,41.5
LAMPS INSIDE	1	η up(%)	16.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	83.1	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [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	525.8	527.3	529.4	527.6	525.8	527.6	529.4	527.3	0- 10	50.70	50.70	2.13,2.13
20	498.5	505.5	513.6	506.5	498.5	506.5	513.6	505.5	10- 20	146.5	197.2	8.29,8.29
30	453.9	471.0	488.0	472.8	453.9	472.8	488.0	471.0	20- 30	226.3	423.5	17.8,17.8
40	393.2	424.8	453.5	427.7	393.2	427.7	453.5	424.8	30- 40	281.5	705.0	29.6,29.6
50	317.9	369.9	412.4	374.2	317.9	374.2	412.4	369.9	40- 50	307.3	1012	42.5,42.5
60	230.1	309.9	366.7	315.8	230.1	315.8	366.7	309.9	50- 60	302.7	1315	55.2,55.2
70	134.4	249.4	318.9	256.6	134.4	256.6	318.9	249.4	60- 70	271.3	1586	66.6,66.6
80	44.11	193.1	271.9	201.1	44.11	201.1	271.9	193.1	70- 80	221.9	1808	76,76
90	0.2333	145.8	225.0	153.8	0.2333	153.8	225.0	145.8	80- 90	169.4	1978	83.1,83.1
100	1.796	107.8	181.7	116.0	1.796	116.0	181.7	107.8	90-100	127.1	2105	88.4,88.4
110	6.192	78.27	141.8	84.09	6.192	84.09	141.8	78.27	100-110	93.97	2199	92.4,92.4
120	11.18	56.78	106.7	61.13	11.18	61.13	106.7	56.78	110-120	66.70	2265	95.2,95.2
130	15.76	41.66	77.15	44.63	15.76	44.63	77.15	41.66	120-130	45.70	2311	97.1,97.1
140	19.57	30.96	53.59	33.44	19.57	33.44	53.59	30.96	130-140	30.06	2341	98.4,98.4
150	22.50	23.68	36.12	27.07	22.50	27.07	36.12	23.68	140-150	19.15	2360	99.2,99.2
160	20.64	21.89	25.53	25.26	20.64	25.26	25.53	21.89	150-160	11.73	2372	99.7,99.7
170	16.59	20.37	24.53	20.42	16.59	20.42	24.53	20.37	160-170	6.338	2378	99.9,99.9
180	21.26	20.42	14.65	18.00	21.26	18.00	14.65	20.42	170-180	1.911	2380	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 17.0 %									UNIT:lm		

Conical surface Flux(90deg): 857.42 lm

%lum = 36.0%

%lamp = 36.0%

Conical surface Flux(120deg): 1315 lm

%lum = 55.2%

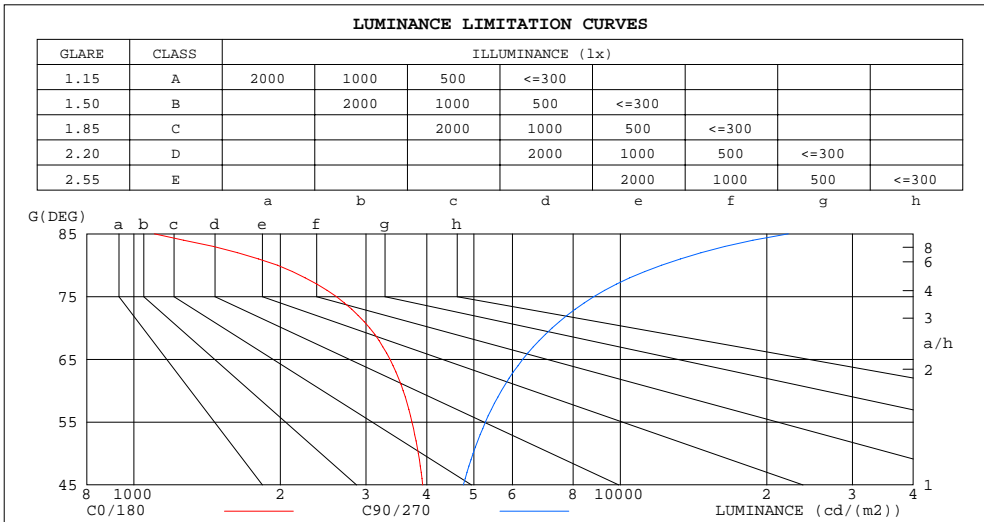
%lamp = 55.2%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1102	22147
80	1974	12158
75	2607	8824
70	3053	7239
65	3361	6301
60	3577	5694
55	3729	5278
50	3843	4980
45	3924	4758

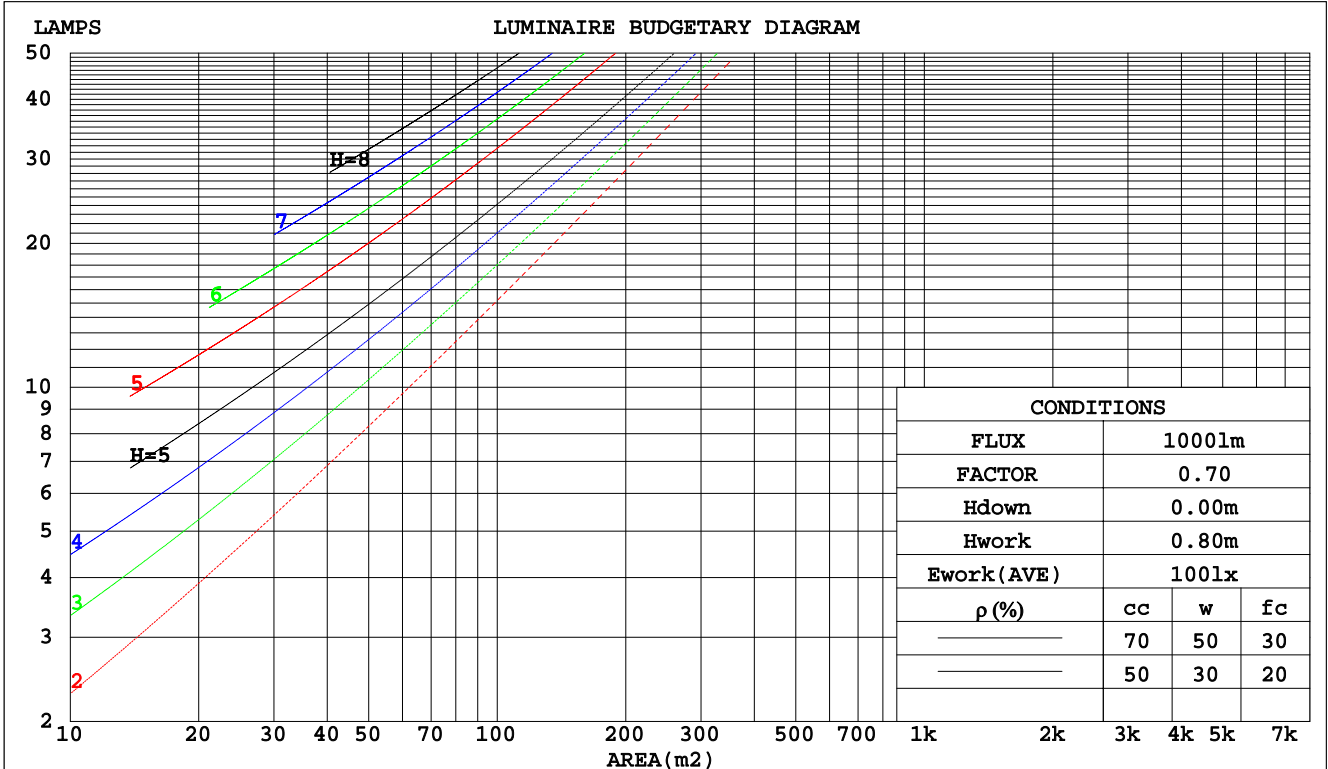
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.02	1.02	1.02	.94	.94	.94	.87	.87	.87	.83
1.0	.96	.91	.86	.92	.87	.83	.85	.81	.77	.78	.75	.72	.72	.69	.67	.63
2.0	.82	.75	.68	.79	.72	.66	.73	.67	.62	.67	.62	.58	.61	.57	.54	.51
3.0	.71	.62	.55	.69	.60	.54	.63	.56	.51	.58	.52	.48	.53	.49	.45	.42
4.0	.63	.53	.46	.60	.52	.45	.56	.48	.42	.51	.45	.40	.47	.42	.38	.35
5.0	.56	.46	.39	.54	.45	.38	.49	.42	.36	.46	.39	.34	.42	.37	.32	.30
6.0	.50	.41	.34	.48	.39	.33	.44	.37	.31	.41	.35	.30	.38	.33	.28	.26
7.0	.45	.36	.30	.43	.35	.29	.40	.33	.28	.37	.31	.26	.35	.29	.25	.23
8.0	.41	.32	.26	.39	.31	.26	.37	.30	.24	.34	.28	.23	.32	.26	.22	.20
9.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.31	.25	.21	.29	.24	.20	.18
10.0	.34	.26	.21	.33	.26	.21	.31	.24	.20	.29	.23	.19	.27	.22	.18	.16



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.380	.216	.069	.368	.210	.067	.345	.198	.063	.323	.187	.060	.304	.176	.057	
2.0	.331	.181	.056	.320	.176	.054	.299	.166	.052	.279	.157	.049	.261	.148	.047	
3.0	.294	.157	.047	.284	.152	.046	.265	.144	.044	.248	.136	.042	.232	.128	.040	
4.0	.265	.138	.041	.256	.134	.040	.239	.127	.038	.223	.120	.036	.209	.113	.035	
5.0	.242	.123	.036	.233	.120	.035	.218	.113	.033	.203	.107	.032	.190	.101	.030	
6.0	.221	.111	.032	.214	.108	.031	.200	.102	.030	.187	.097	.029	.174	.092	.027	
7.0	.204	.101	.029	.198	.098	.028	.185	.093	.027	.172	.088	.026	.161	.084	.025	
8.0	.190	.093	.026	.183	.090	.026	.172	.086	.024	.160	.081	.023	.150	.077	.022	
9.0	.177	.086	.024	.171	.083	.023	.160	.079	.022	.150	.075	.021	.140	.071	.021	
10.0	.165	.079	.022	.160	.077	.022	.150	.074	.021	.141	.070	.020	.132	.066	.019	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.319	.319	.319	.273	.273	.273	.186	.186	.186	.107	.107	.107	.034	.034	.034	
1.0	.315	.285	.259	.270	.245	.223	.184	.169	.154	.106	.098	.090	.034	.031	.029	
2.0	.308	.263	.224	.264	.226	.194	.181	.156	.135	.104	.091	.079	.033	.029	.026	
3.0	.301	.246	.202	.258	.212	.175	.177	.147	.123	.102	.086	.073	.033	.028	.024	
4.0	.293	.233	.188	.251	.202	.163	.173	.141	.115	.100	.082	.068	.032	.027	.022	
5.0	.285	.224	.178	.245	.193	.155	.169	.135	.109	.098	.079	.065	.032	.026	.021	
6.0	.278	.216	.171	.239	.187	.149	.165	.131	.105	.096	.077	.063	.031	.025	.021	
7.0	.271	.209	.166	.233	.181	.144	.161	.127	.102	.094	.075	.061	.030	.025	.020	
8.0	.264	.203	.162	.227	.176	.141	.157	.124	.100	.092	.073	.060	.030	.024	.020	
9.0	.258	.199	.159	.222	.172	.138	.154	.121	.098	.090	.072	.059	.029	.023	.019	
10.0	.252	.194	.156	.217	.169	.136	.151	.119	.097	.088	.070	.058	.029	.023	.019	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm										
NAME:4906BN-36					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A		
MFR.:					SUR.:N/A			Shielding Angle:N/A		
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	16.1	17.5	16.6	18.0	18.5	18.0	19.3	18.5	19.8	20.4
3H	17.5	18.8	18.1	19.3	19.9	20.6	21.9	21.1	22.4	23.0
4H	18.1	19.3	18.6	19.8	20.4	22.0	23.2	22.6	23.8	24.4
6H	18.4	19.6	19.0	20.1	20.7	23.6	24.8	24.2	25.3	26.0
8H	18.5	19.6	19.1	20.1	20.8	24.5	25.6	25.1	26.2	26.9
12H	18.5	19.5	19.1	20.1	20.8	25.6	26.6	26.1	27.2	27.9
4H 2H	17.2	18.4	17.7	18.9	19.5	18.5	19.7	19.1	20.3	20.9
3H	18.9	19.9	19.5	20.5	21.2	21.4	22.5	22.0	23.0	23.7
4H	19.6	20.6	20.2	21.2	21.9	23.0	24.0	23.6	24.6	25.3
6H	20.1	21.0	20.8	21.6	22.4	24.9	25.7	25.5	26.4	27.1
8H	20.3	21.1	20.9	21.8	22.5	25.9	26.7	26.5	27.4	28.1
12H	20.4	21.1	21.0	21.8	22.5	27.1	27.8	27.7	28.5	29.2
8H 4H	20.6	21.5	21.3	22.1	22.8	23.4	24.2	24.0	24.8	25.6
6H	21.6	22.2	22.2	22.9	23.7	25.5	26.2	26.2	26.9	27.6
8H	21.9	22.5	22.6	23.2	24.0	26.8	27.4	27.4	28.1	28.9
12H	22.2	22.7	22.9	23.4	24.3	28.2	28.7	28.9	29.4	30.3
12H 4H	21.0	21.7	21.6	22.4	23.1	23.4	24.1	24.0	24.8	25.6
6H	22.1	22.8	22.8	23.4	24.2	25.6	26.2	26.3	26.9	27.7
8H	22.7	23.2	23.4	23.9	24.8	27.0	27.5	27.7	28.2	29.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2380 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.0)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

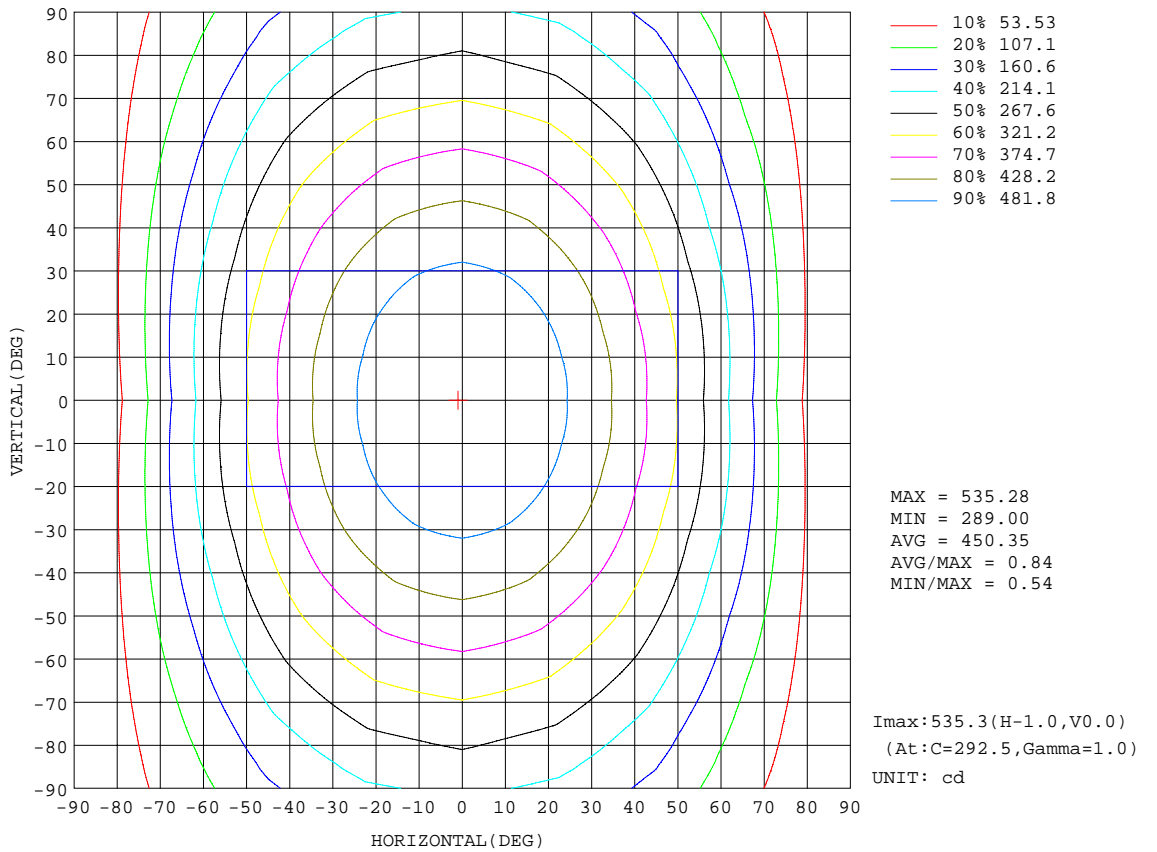
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	48	36	29	47	36	29	45	35	28	21
0.80	58	45	37	56	44	36	53	43	35	28
1.00	65	53	44	63	51	44	60	52	42	34
1.25	72	60	51	70	58	51	66	56	49	39
1.50	77	65	57	75	64	56	70	61	54	44
2.00	85	74	66	82	72	64	76	68	61	50
2.50	89	79	71	86	77	69	80	72	66	54
3.00	93	84	76	89	81	74	83	76	70	57
4.00	97	90	83	94	87	81	87	81	76	62
5.00	100	94	88	96	90	85	89	84	80	65
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A



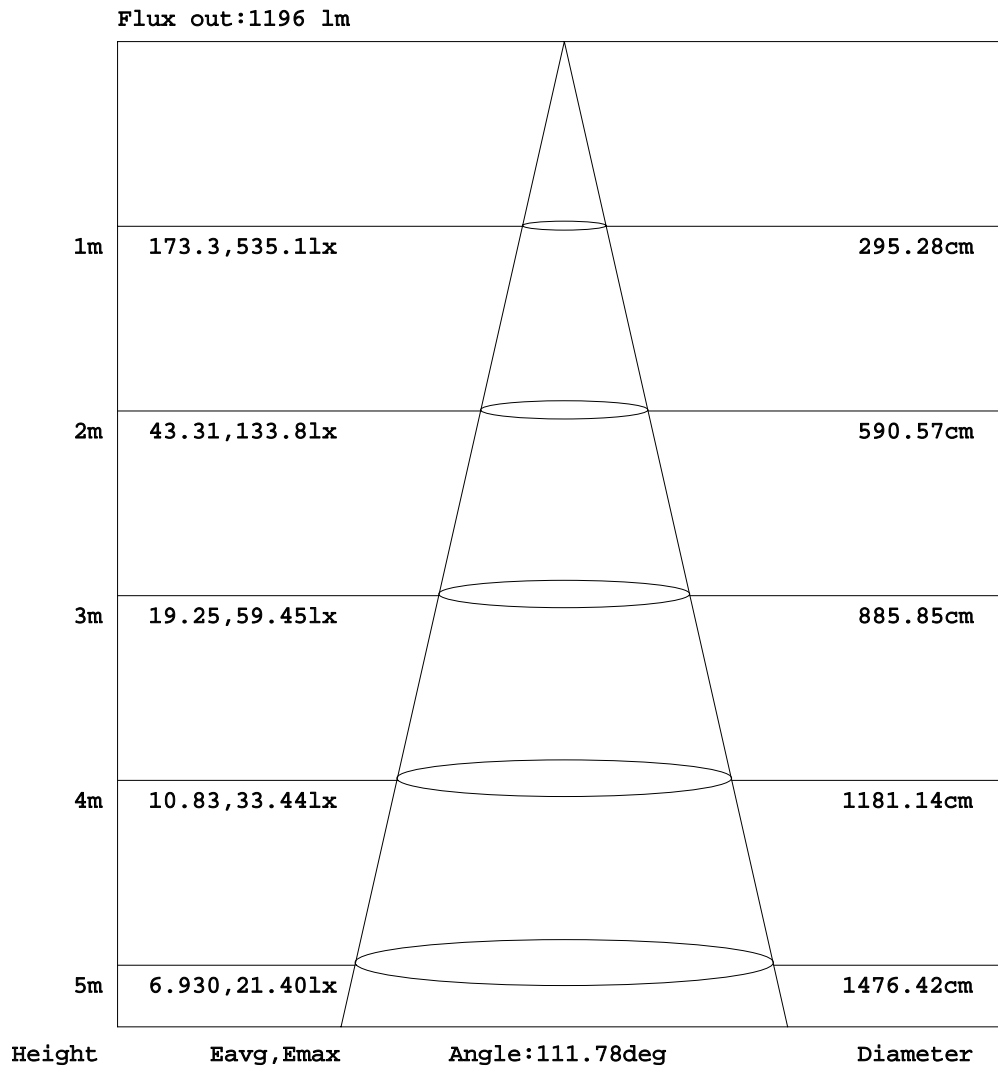
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A



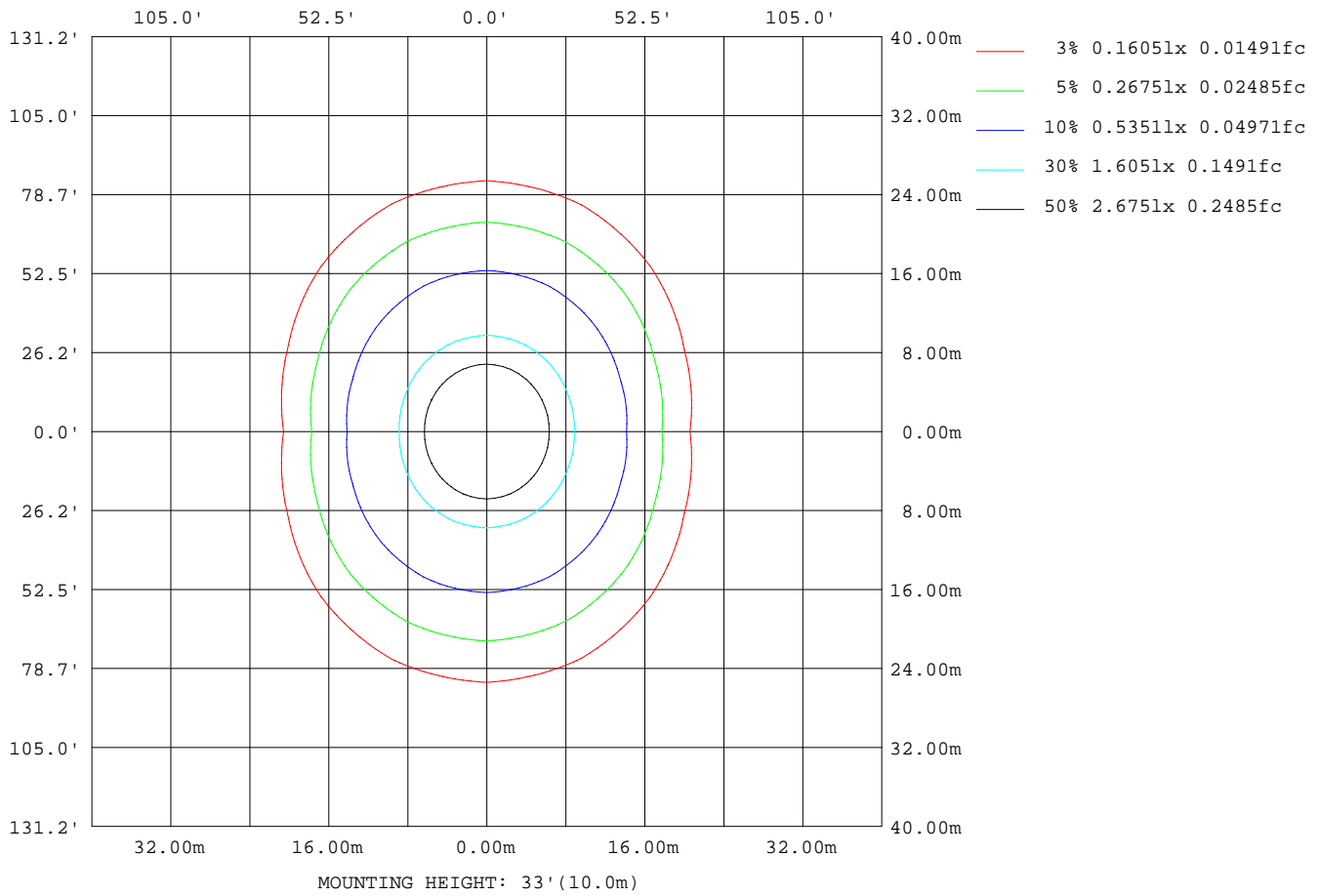
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

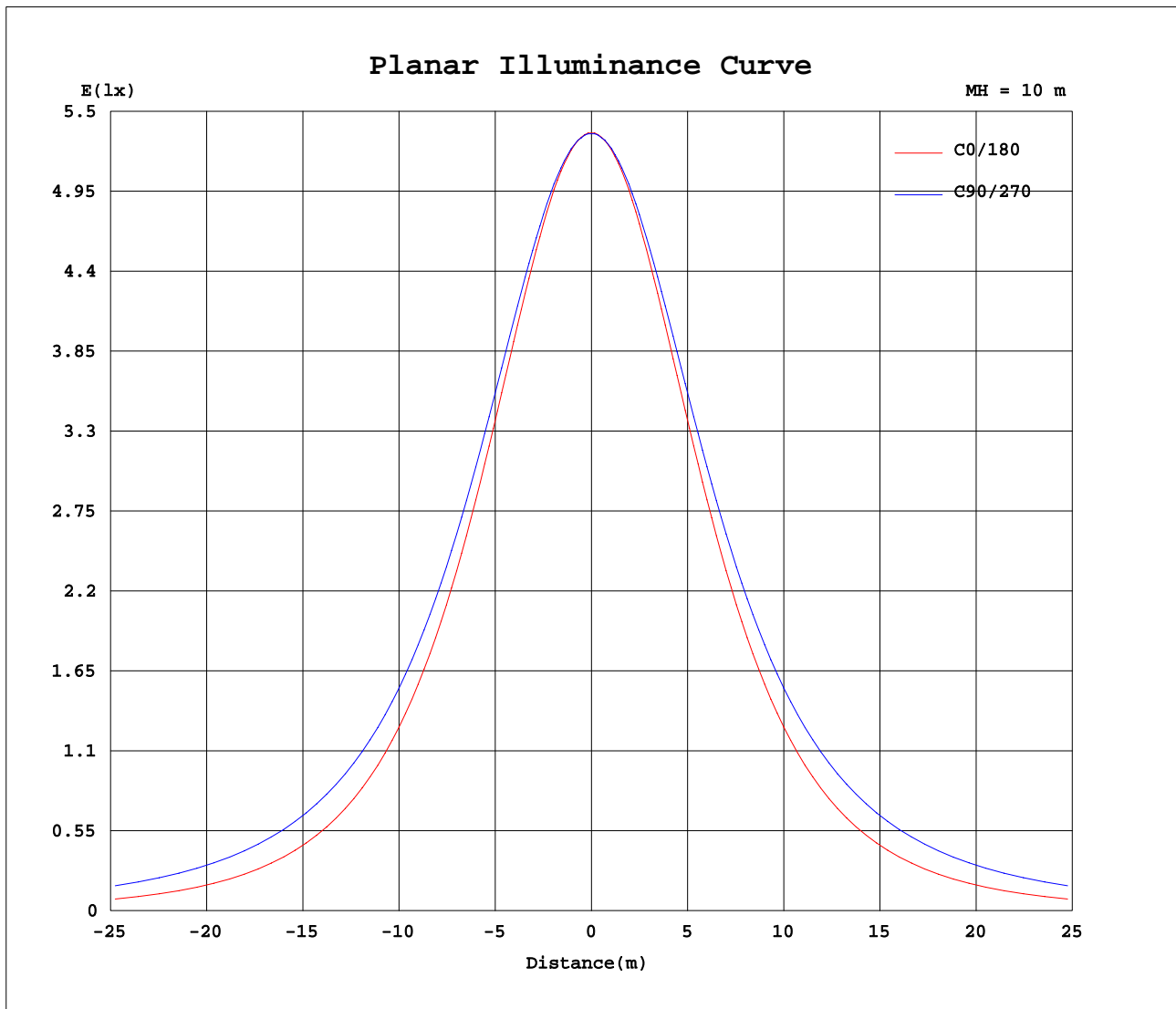
AvgL	cd/m2
L_0~180(65)av	3359
L_0~180(75)av	2605
L_0~180(85)av	1101
L_90~270(65)av	6302
L_90~270(75)av	8824
L_90~270(85)av	22148
L_45(65)av	5196
L_45(75)av	6738
L_45(85)av	15422

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:ben

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.447m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature: 25.2DEG  
 Operators: ben

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity: 45%  
 Test Distance: 2.447m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2168A P:25.43W PF:0.9777 Lamp Flux:2380.16x1 lm		
NAME:4906BN-36	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

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	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535			
5	533	533	533	534	533	533	533	532	533	532	533	533	533	534	533	533			
10	526	526	527	529	529	529	528	526	526	526	528	529	529	529	527	526			
15	514	516	518	522	523	521	519	516	514	516	519	521	523	522	518	516			
20	498	500	506	512	514	512	507	501	498	501	507	512	514	512	506	500			
25	478	482	490	499	502	499	491	482	478	482	491	499	502	499	490	482			
30	454	459	471	484	488	484	473	460	454	460	473	484	488	484	471	459			
35	425	433	449	466	472	466	451	434	425	434	451	466	472	466	449	433			
40	393	403	425	446	454	447	428	405	393	405	428	447	454	446	425	403			
45	357	370	398	424	433	425	402	373	357	373	402	425	433	424	398	370			
50	318	335	370	401	412	403	374	339	318	339	374	403	412	401	370	335			
55	275	297	340	376	390	379	345	302	275	302	345	379	390	376	340	297			
60	230	258	310	351	367	354	316	264	230	264	316	354	367	351	310	258			
65	183	219	280	326	343	329	286	225	183	225	286	329	343	326	280	219			
70	134	179	249	300	319	304	257	187	134	187	257	304	319	300	249	179			
75	86.8	142	221	275	294	278	228	151	86.8	151	228	278	294	275	221	142			
80	44.1	108	193	251	272	254	201	118	44.1	118	201	254	272	251	193	108			
85	12.4	80.5	169	227	249	231	177	90.5	12.4	90.5	177	231	249	227	169	80.5			
90	0.23	60.0	146	204	225	208	154	69.0	0.23	69.0	154	208	225	204	146	60.0			
95	0.64	44.5	126	182	203	186	133	53.1	0.64	53.1	133	186	203	182	126	44.5			
100	1.80	34.3	108	161	182	165	116	41.3	1.80	41.3	116	165	182	161	108	34.3			
105	3.78	28.0	91.6	144	164	148	98.1	33.8	3.78	33.8	98.1	148	164	144	91.6	28.0			
110	6.19	23.8	78.3	124	142	127	84.1	28.4	6.19	28.4	84.1	127	142	124	78.3	23.8			
115	8.72	21.2	66.7	107	124	110	71.8	24.9	8.72	24.9	71.8	110	124	107	66.7	21.2			
120	11.2	19.8	56.8	92.5	107	95.0	61.1	22.4	11.2	22.4	61.1	95.0	107	92.5	56.8	19.8			
125	13.6	18.9	48.7	78.7	91.3	81.0	52.2	20.9	13.6	20.9	52.2	81.0	91.3	78.7	48.7	18.9			
130	15.8	18.4	41.7	66.6	77.1	68.5	44.6	20.0	15.8	20.0	44.6	68.5	77.1	66.6	41.7	18.4			
135	17.8	18.4	35.9	55.8	64.5	57.6	38.4	19.5	17.8	19.5	38.4	57.6	64.5	55.8	35.9	18.4			
140	19.6	19.1	31.0	46.5	53.6	48.2	33.4	19.9	19.6	19.9	33.4	48.2	53.6	46.5	31.0	19.1			
145	21.1	20.0	26.8	38.4	44.1	40.5	29.8	21.2	21.1	21.2	29.8	40.5	44.1	38.4	26.8	20.0			
150	22.5	20.9	23.7	31.6	36.1	34.1	27.1	22.4	22.5	22.4	27.1	34.1	36.1	31.6	23.7	20.9			
155	22.3	22.1	22.4	26.5	29.8	29.1	25.7	23.1	22.3	23.1	25.7	29.1	29.8	26.5	22.4	22.1			
160	20.6	22.4	21.9	23.8	25.5	25.9	25.3	22.4	20.6	22.4	25.3	25.9	25.5	23.8	21.9	22.4			
165	18.7	21.5	22.0	23.5	24.4	25.0	23.0	20.1	18.7	20.1	23.0	25.0	24.4	23.5	22.0	21.5			
170	16.6	19.6	20.4	22.2	24.5	22.8	20.4	19.1	16.6	19.1	20.4	22.8	24.5	22.2	20.4	19.6			
175	19.1	19.8	20.7	20.3	18.5	19.1	20.3	20.4	19.1	20.4	20.3	19.1	18.5	20.3	20.7	19.8			
180	21.3	21.0	20.4	18.0	14.6	15.6	18.0	20.3	21.3	20.3	18.0	15.6	14.6	18.0	20.4	21.0			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
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