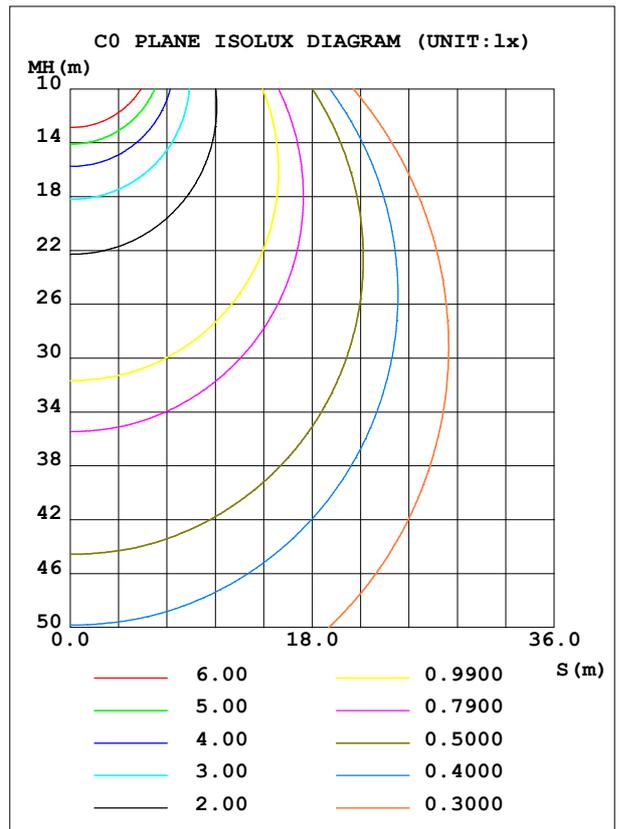
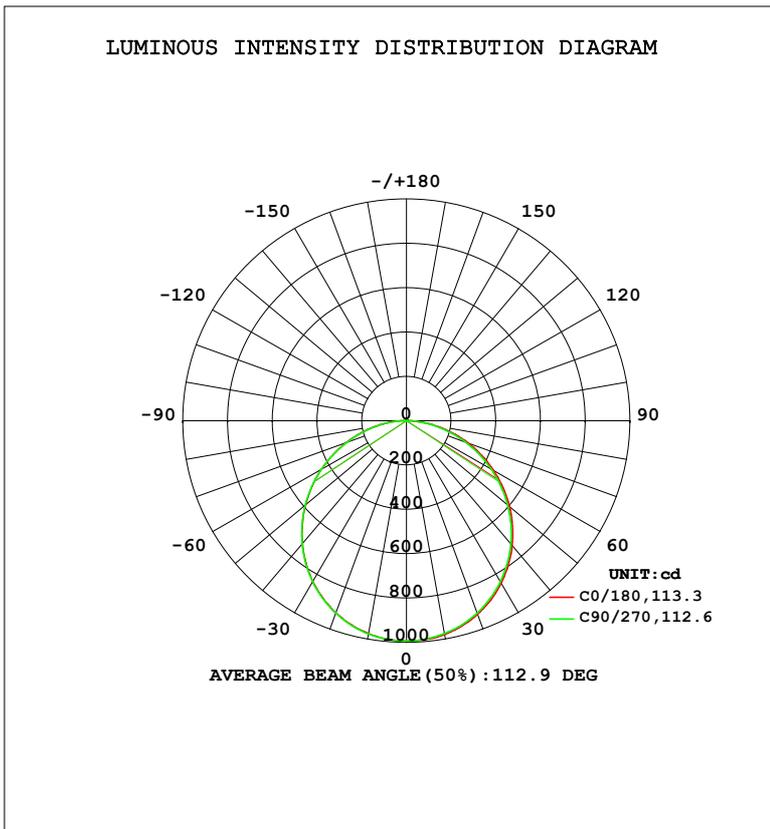


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: $\phi$ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 65.77 lm/W
MODEL		I <sub>max</sub> (cd)	993.3	S/MH (C0/180)	1.25	
NOMINAL POWER (W)	45	LOR (%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	2892.6	$\eta$ UP, DN (C0-180)	0.1, 49.8	
NOMINAL FLUX (lm)	2892.57	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.1, 50.0	
LAMPS INSIDE	1	$\eta$ up (%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2 °C  
 Operators: Brooke  
 Test Date: 2022-05-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity: 55.3%  
 Test Distance: 26.000m [K=1.3807]  
 Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	979.7	979.3	975.3	974.5	975.2	976.5	976.5	978.6	0- 10	94.04	94.04	3.25,3.25
20	929.6	929.0	923.6	921.1	922.1	923.4	924.3	930.1	10- 20	269.6	363.7	12.6,12.6
30	847.0	846.1	839.2	835.6	837.8	837.5	839.0	847.1	20- 30	408.7	772.4	26.7,26.7
40	735.8	734.4	726.7	722.2	724.9	723.7	725.8	735.3	30- 40	492.9	1265	43.7,43.7
50	601.7	599.6	590.8	586.3	589.5	588.3	590.3	600.5	40- 50	511.6	1777	61.4,61.4
60	451.1	448.5	438.6	434.9	439.5	438.5	439.3	450.3	50- 60	464.2	2241	77.5,77.5
70	293.6	288.3	279.5	278.2	283.7	283.0	281.7	291.7	60- 70	360.3	2601	89.9,89.9
80	132.9	126.1	122.3	125.8	133.9	132.7	129.4	137.2	70- 80	218.2	2820	97.5,97.5
90	2.533	2.572	2.958	6.216	10.27	13.20	8.927	7.048	80- 90	66.83	2886	99.8,99.8
100	0.1069	0	0.2969	0.2080	0.3972	0.2981	0.4455	0.3940	90-100	0.9752	2887	99.8,99.8
110	0.2071	0.1060	0.2969	0.3184	1.068	0.8684	0.9711	0.8579	100-110	0.4557	2888	99.8,99.8
120	0.3072	0.3406	0.2969	0.5932	1.638	1.681	1.326	1.465	110-120	0.7554	2889	99.9,99.9
130	0.4115	0.8485	0.2969	0.8533	1.878	1.682	1.581	1.781	120-130	0.9433	2889	99.9,99.9
140	0.6226	0.8902	0.4963	1.483	1.878	1.625	1.583	1.682	130-140	0.9430	2890	99.9,99.9
150	1.384	0.8902	0.8501	1.272	1.878	1.724	1.454	1.150	140-150	0.8773	2891	100,100
160	1.578	0.8902	0.8740	1.116	1.878	1.892	1.378	1.817	150-160	0.7017	2892	100,100
170	1.581	0.8902	1.023	1.100	1.878	1.744	1.302	1.583	160-170	0.4167	2892	100,100
180	1.582	0.9892	1.287	1.088	1.582	1.385	1.287	1.385	170-180	0.1357	2893	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1523 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 2241.1 lm

%lum = 77.5%

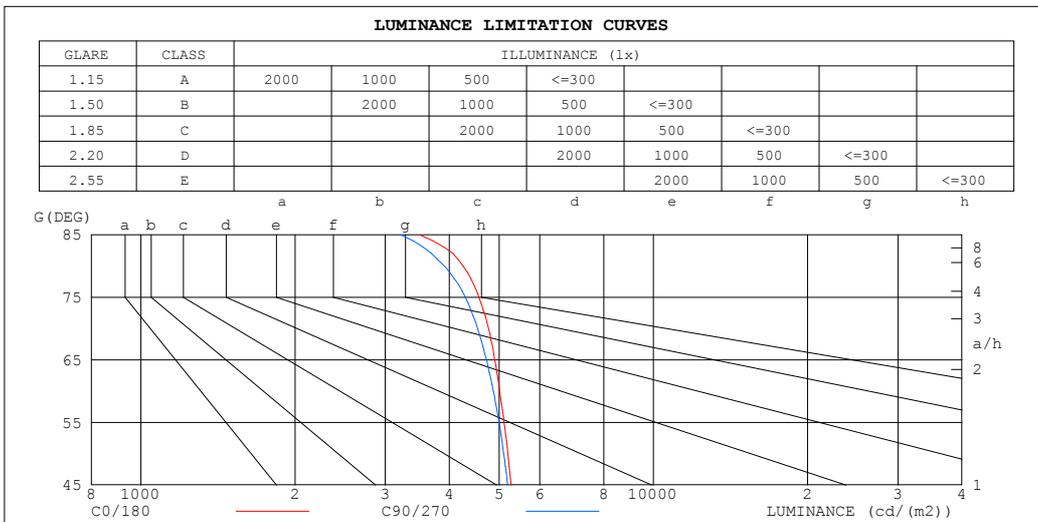
%lamp = 77.5%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Brooke  
Test Date:2022-05-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
Humidity:55.3%  
Test Distance:26.000m [K=1.3807]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: $\phi$ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3500	3215
80	4253	3911
75	4570	4297
70	4769	4539
65	4904	4725
60	5013	4873
55	5114	5000
50	5201	5106
45	5275	5195

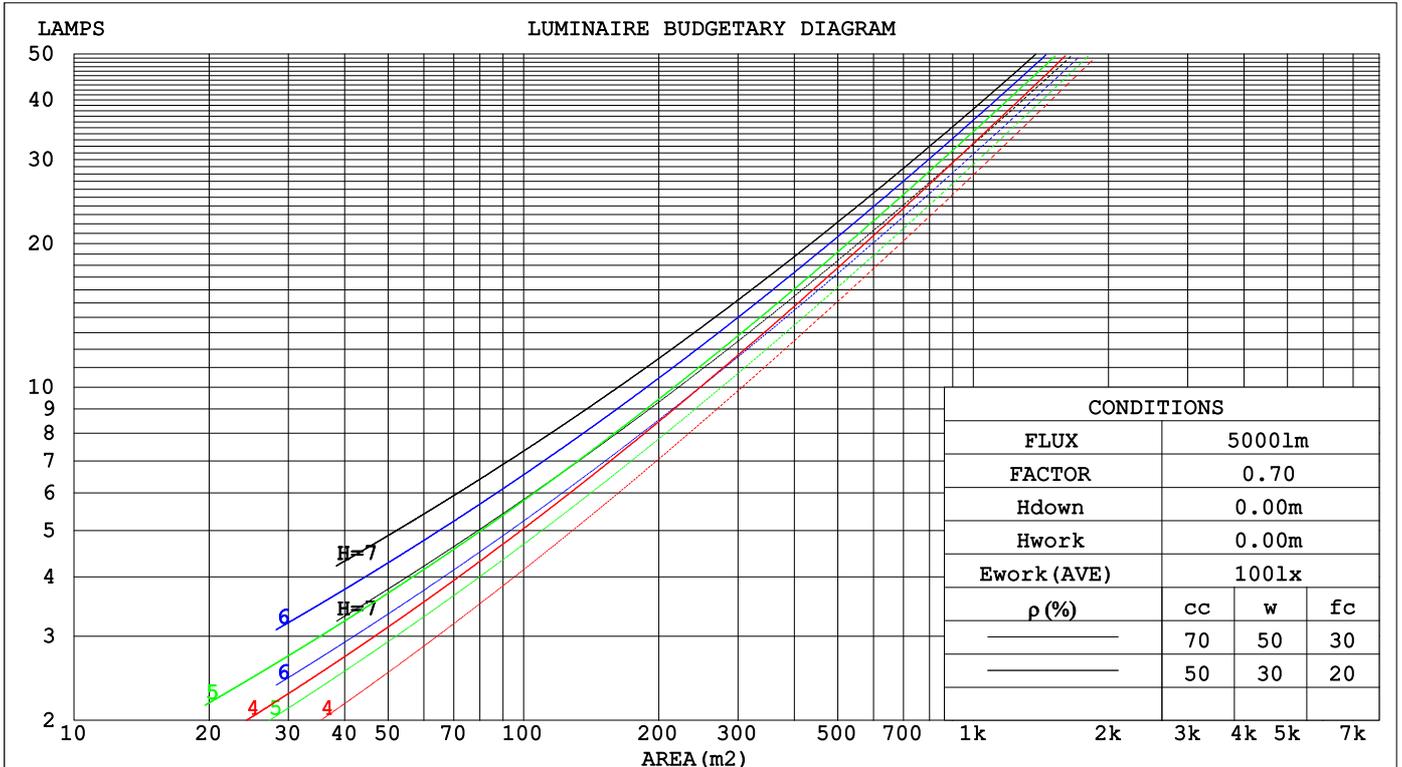
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2°C  
 Operators: Brooke  
 Test Date: 2022-05-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity: 55.3%  
 Test Distance: 26.000m [K=1.3807]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2°C  
 Operators:Brooke  
 Test Date:2022-05-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:26.000m [K=1.3807]  
 Remarks:

**WEC AND CCEC**

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

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
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.317	.180	.057	.310	.177	.056	.297	.170	.054	.284	.164	.053	.273	.158	.051	
2.0	.297	.163	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.146	.046	
3.0	.273	.146	.044	.268	.143	.043	.257	.139	.042	.248	.136	.042	.239	.132	.041	
4.0	.252	.131	.038	.247	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.158	.135	.156	.135	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.175	.134	.099	.149	.115	.086	.102	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.167	.116	.075	.143	.100	.065	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.137	.089	.052	.094	.062	.036	.054	.036	.022	.017	.012	.007	
5.0	.152	.092	.049	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.118	.067	.030	.082	.047	.021	.047	.028	.013	.015	.009	.004	
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.108	.058	.023	.075	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2℃  
 Operators:Brooke  
 Test Date:2022-05-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:26.000m [K=1.3807]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	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	18.6	20.1	18.9	20.3	20.5	18.5	20.0	18.7	20.2	20.4
3H	20.2	21.6	20.5	21.9	22.1	20.0	21.5	20.3	21.7	21.9
4H	20.9	22.2	21.2	22.5	22.8	20.7	22.0	21.0	22.3	22.6
6H	21.4	22.7	21.7	22.9	23.2	21.2	22.4	21.5	22.7	23.0
8H	21.6	22.8	21.9	23.1	23.4	21.3	22.5	21.6	22.8	23.1
12H	21.7	22.8	22.0	23.1	23.4	21.4	22.6	21.7	22.9	23.2
4H 2H	19.2	20.6	19.5	20.8	21.1	19.1	20.5	19.4	20.7	21.0
3H	21.0	22.2	21.4	22.5	22.8	20.9	22.1	21.2	22.4	22.7
4H	21.8	22.9	22.2	23.2	23.6	21.7	22.7	22.0	23.1	23.4
6H	22.5	23.4	22.9	23.8	24.2	22.3	23.2	22.7	23.6	23.9
8H	22.7	23.6	23.1	24.0	24.4	22.5	23.4	22.9	23.7	24.1
12H	22.8	23.7	23.3	24.0	24.5	22.6	23.4	23.0	23.8	24.2
8H 4H	22.1	23.0	22.5	23.4	23.8	22.0	22.9	22.4	23.2	23.6
6H	22.9	23.7	23.4	24.1	24.5	22.7	23.5	23.2	23.9	24.3
8H	23.2	23.9	23.7	24.3	24.8	23.0	23.7	23.5	24.1	24.5
12H	23.4	24.0	23.9	24.5	24.9	23.2	23.8	23.7	24.2	24.7
12H 4H	22.1	23.0	22.6	23.3	23.8	22.0	22.8	22.4	23.2	23.6
6H	23.0	23.6	23.4	24.1	24.5	22.8	23.4	23.2	23.9	24.3
8H	23.3	23.9	23.8	24.3	24.8	23.1	23.7	23.6	24.1	24.6

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.1 / - 0.3	+ 0.1 / - 0.3

CIE Pub.117, 2893 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.7)  
Area: 0.18 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Brooke  
Test Date:2022-05-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
Humidity:55.3%  
Test Distance:26.000m [K=1.3807]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

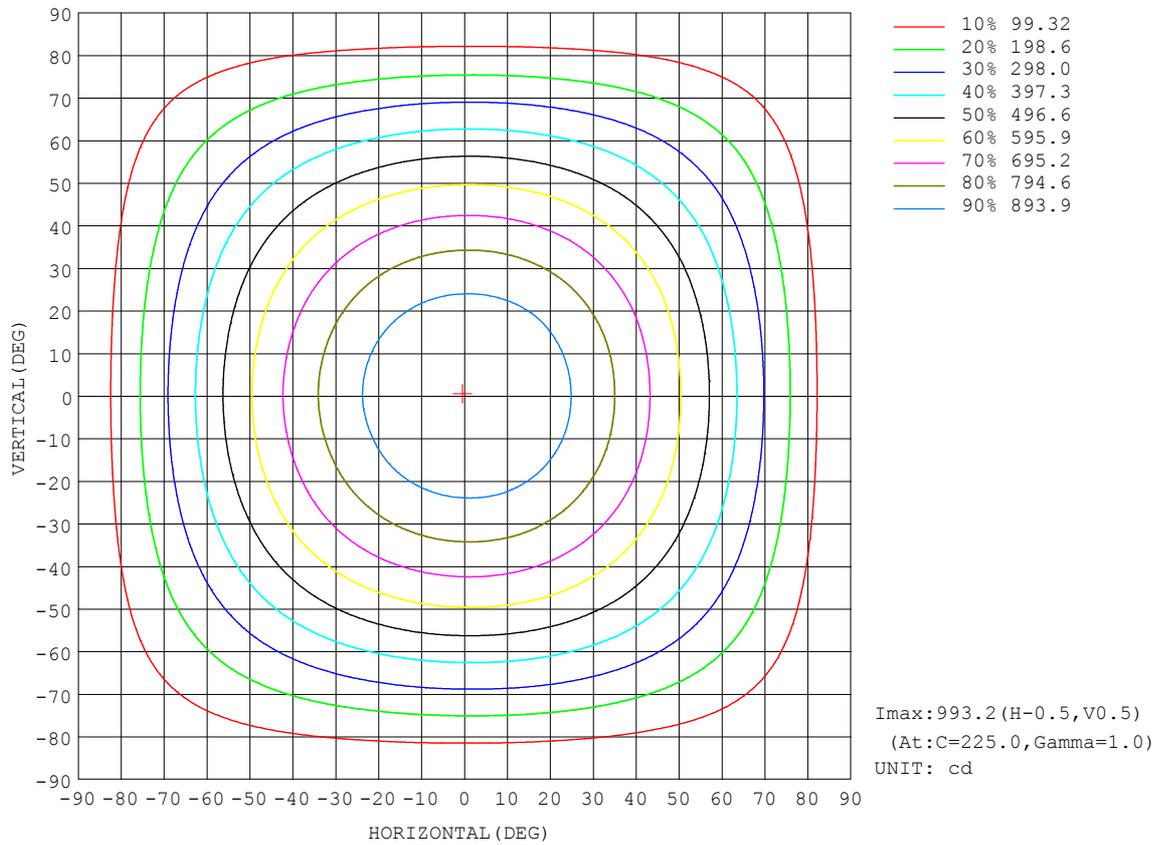
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	88	77	70	86	77	70	83	75	69	61
2.00	94	86	79	93	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
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: HIGH  
 Temperature:25.2°C  
 Operators:Brooke  
 Test Date:2022-05-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:26.000m [K=1.3807]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: $\phi$ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

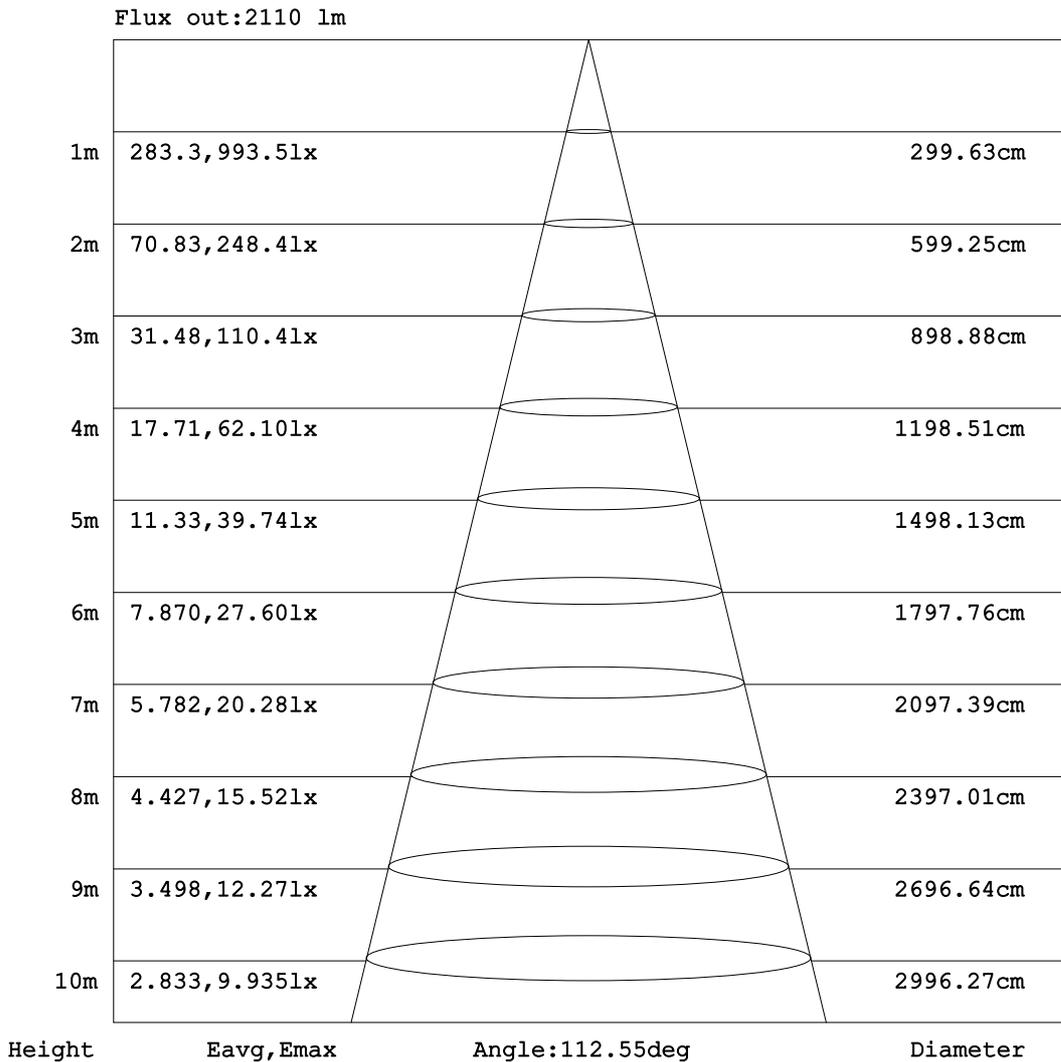


C Range: 0 - 360DEG  
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 Test Speed: HIGH  
 Temperature:25.2°C  
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 Test Date:2022-05-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:26.000m [K=1.3807]  
 Remarks:

**AAI Figure**

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



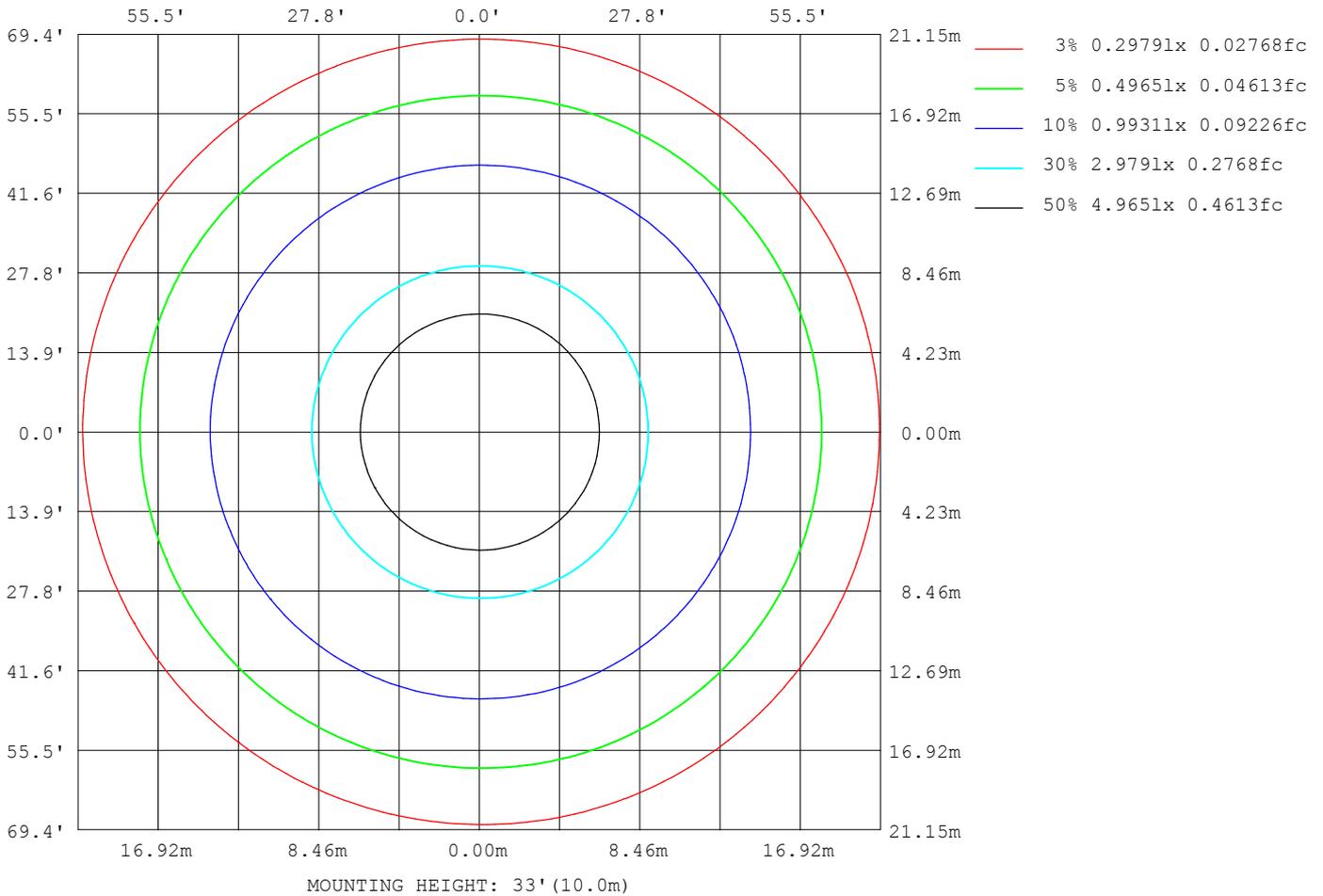
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2℃  
 Operators:Brooke  
 Test Date:2022-05-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:26.000m [K=1.3807]  
 Remarks:

**ISOLUX DIAGRAM**

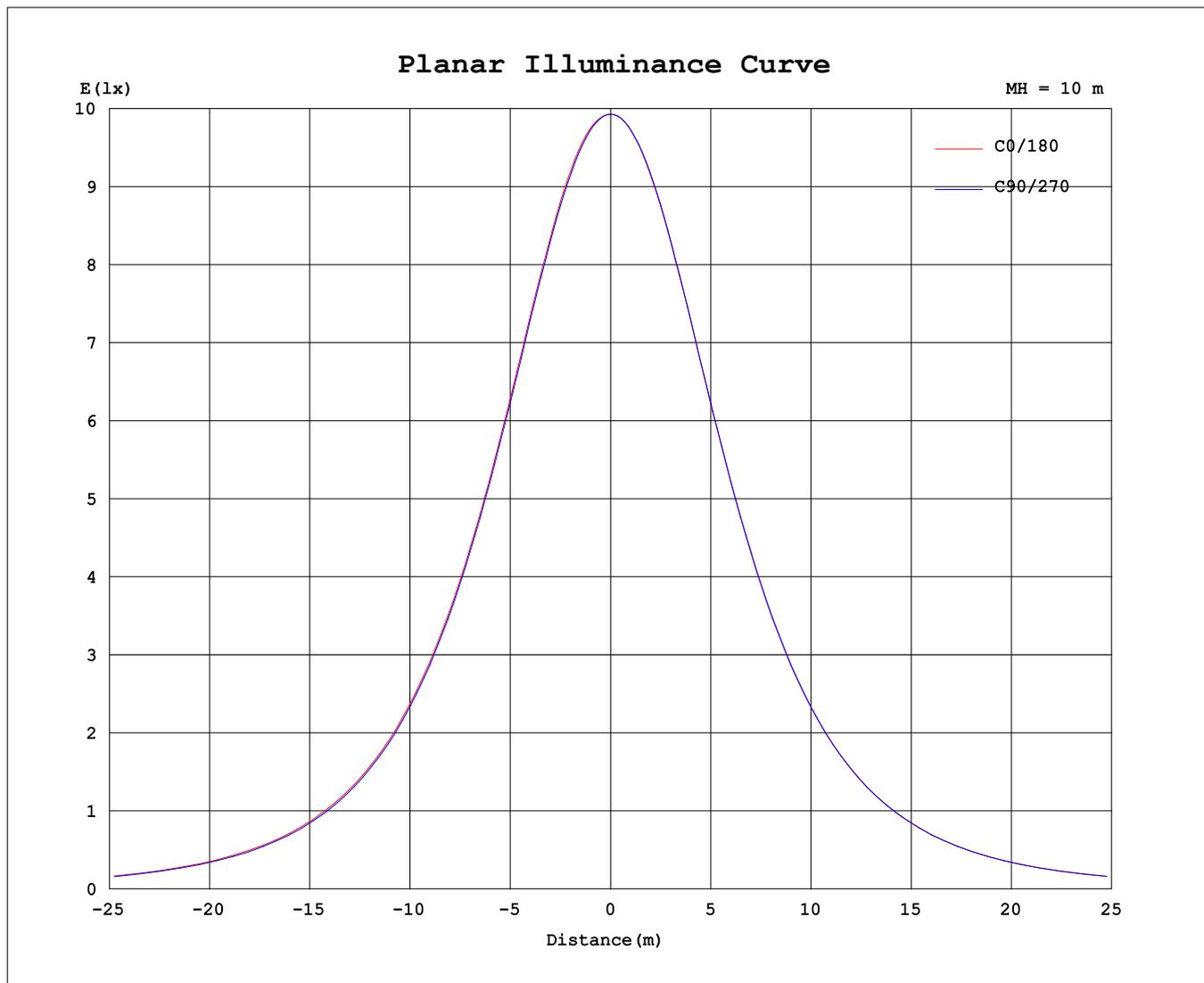
Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: $\phi$ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2°C  
 Operators:Brooke  
 Test Date:2022-05-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
 Humidity:55.3%  
 Test Distance:26.000m [K=1.3807]  
 Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.2°C  
Operators: Brooke  
Test Date: 2022-05-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
Humidity: 55.3%  
Test Distance: 26.000m [K=1.3807]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.3713A P:43.98W PF:0.9871 Freq:60.01Hz Lamp Flux:2892.57x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	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	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993			
5	990	990	990	989	988	988	988	988	989	989	989	989	989	989	989	990			
10	980	980	979	977	975	975	974	974	975	975	977	977	977	976	979	980			
15	959	959	958	957	953	953	952	951	953	953	954	955	955	956	959	960			
20	930	930	929	927	924	922	921	920	922	923	923	924	924	926	930	931			
25	892	892	891	889	885	883	882	881	884	884	884	884	885	889	892	893			
30	847	847	846	844	839	837	836	835	838	838	837	837	839	843	847	848			
35	795	795	793	791	786	783	782	781	784	784	784	784	786	790	795	797			
40	736	736	734	731	727	723	722	721	725	724	724	724	726	730	735	738			
45	671	672	670	666	661	657	656	656	659	659	658	658	660	665	670	673			
50	602	602	600	595	591	587	586	586	590	589	588	588	590	595	600	604			
55	528	528	526	521	516	513	512	512	516	515	515	514	517	521	527	530			
60	451	451	448	444	439	435	435	435	439	439	438	437	439	444	450	454			
65	373	372	369	365	360	357	357	358	362	362	361	360	361	365	372	375			
70	294	292	288	284	280	277	278	281	284	284	283	281	282	286	292	296			
75	213	210	207	204	200	199	200	203	207	207	206	204	204	208	213	217			
80	133	129	126	124	122	123	126	129	134	134	133	130	129	132	137	138			
85	54.9	51.5	50.8	51.1	50.4	51.9	55.7	59.7	64.4	66.2	65.8	62.0	58.8	61.1	62.8	61.0			
90	2.53	1.28	2.57	3.46	2.96	3.45	6.22	8.31	10.3	11.7	13.2	12.5	8.93	6.31	7.05	5.90			
95	0.00	0.00	0.00	0.00	0.01	0.00	0.10	0.00	0.10	0.00	0.10	0.10	0.20	0.20	0.10	0.10			
100	0.11	0.21	0.00	0.11	0.30	0.20	0.21	0.11	0.40	0.42	0.30	0.49	0.45	0.36	0.39	0.43			
105	0.16	0.28	0.00	0.15	0.30	0.10	0.26	0.18	0.79	0.73	0.69	0.76	0.69	0.69	0.59	0.73			
110	0.21	0.34	0.11	0.20	0.30	0.10	0.32	0.24	1.07	0.99	0.87	1.03	0.97	0.92	0.86	0.87			
115	0.26	0.40	0.21	0.24	0.30	0.20	0.37	0.39	1.38	1.38	1.18	1.19	1.18	1.09	1.19	1.23			
120	0.31	0.47	0.34	0.29	0.30	0.40	0.59	0.44	1.64	1.59	1.68	1.19	1.33	1.39	1.46	1.48			
125	0.36	0.65	0.71	0.35	0.30	0.49	0.67	0.63	1.92	1.61	1.68	1.19	1.58	1.42	1.78	1.80			
130	0.41	1.01	0.85	0.40	0.30	0.58	0.85	0.78	1.88	1.63	1.68	1.19	1.58	1.45	1.78	1.79			
135	0.47	1.29	0.89	0.46	0.45	0.68	1.25	0.87	1.88	1.65	1.67	1.43	1.58	1.47	1.78	1.77			
140	0.62	1.50	0.89	0.55	0.50	0.77	1.48	0.95	1.88	1.67	1.62	1.52	1.58	1.58	1.68	1.74			
145	0.89	1.55	0.89	1.28	0.79	1.78	1.58	1.29	1.88	1.67	1.58	1.62	1.49	1.62	1.09	1.71			
150	1.38	1.48	0.89	1.58	0.85	1.78	1.27	1.29	1.88	1.65	1.72	1.72	1.45	1.65	1.15	1.73			
155	1.58	1.47	0.89	1.62	0.86	1.98	1.12	1.29	1.88	1.63	1.95	1.82	1.42	1.68	1.68	1.78			
160	1.58	1.45	0.89	1.54	0.87	1.78	1.12	1.24	1.88	1.61	1.89	1.92	1.38	1.71	1.82	1.72			
165	1.58	1.42	0.89	1.53	0.89	1.19	1.11	1.13	1.88	1.60	1.82	1.81	1.34	1.74	1.70	1.66			
170	1.58	1.39	0.89	1.58	1.02	1.17	1.10	1.49	1.88	1.59	1.74	1.68	1.30	1.77	1.58	1.67			
175	1.58	1.39	0.99	1.33	1.24	1.26	1.09	1.63	1.78	1.58	1.68	1.68	1.29	1.19	1.44	1.09			
180	1.58	1.38	0.99	1.29	1.29	1.68	1.09	1.48	1.58	1.58	1.38	0.99	1.29	1.29	1.39	1.09			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
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