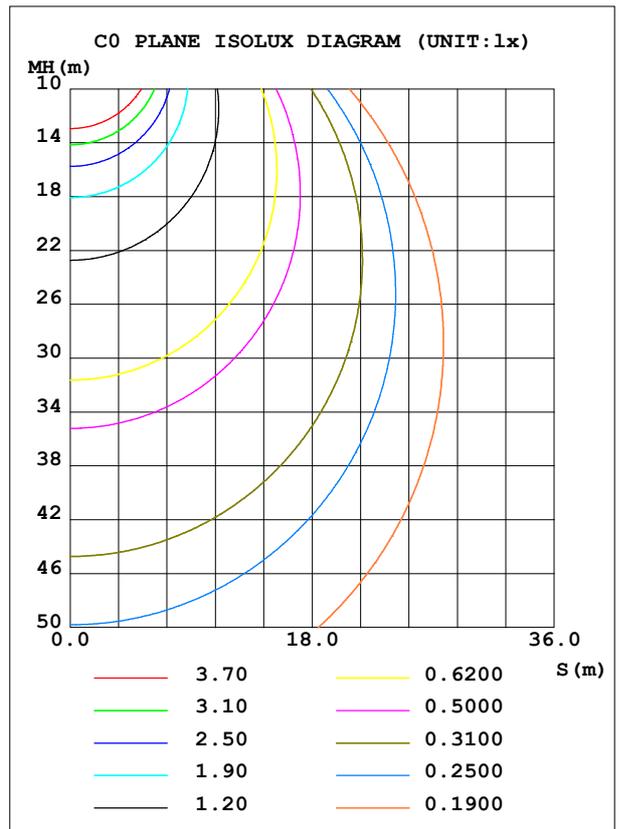
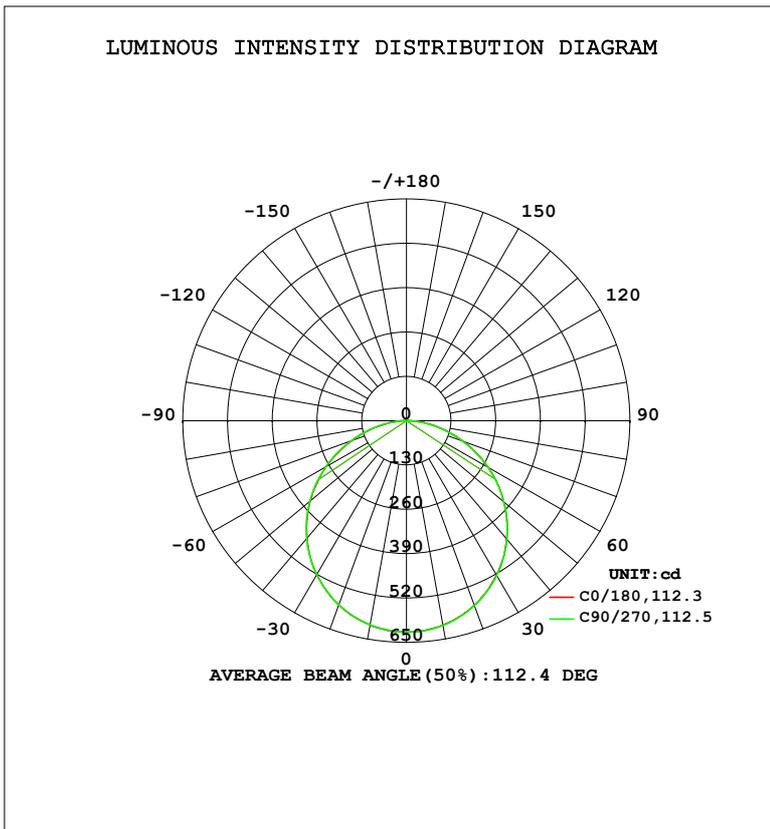


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: $\phi$ 590mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 48.43 lm/W
MODEL		Imax (cd)	619.8	S/MH (C0/180)	1.25	
NOMINAL POWER (W)	35	LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	1780.7	$\eta$ UP, DN (C0-180)	0.1, 50.0	
NOMINAL FLUX (lm)	1780.72	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.1, 49.8	
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: Ethan  
 Test Date: 2022-05-28

$\gamma$  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	608.7	609.1	609.5	608.5	608.2	607.9	607.7	608.7	0- 10	58.62	58.62	3.29,3.29
20	576.0	576.8	576.8	575.5	575.0	574.3	574.6	576.2	10- 20	167.8	226.5	12.7,12.7
30	523.5	524.6	524.5	522.4	521.6	520.5	521.5	523.9	20- 30	254.2	480.6	27,27
40	453.9	454.8	454.4	451.6	450.6	449.9	451.3	454.4	30- 40	306.3	787.0	44.2,44.2
50	369.7	370.4	369.9	366.5	365.5	364.9	366.8	370.2	40- 50	317.6	1105	62,62
60	274.9	275.4	274.4	270.6	269.3	268.9	271.4	275.2	50- 60	287.2	1392	78.2,78.2
70	174.1	174.3	172.6	168.6	167.4	167.5	170.0	174.2	60- 70	219.6	1611	90.5,90.5
80	78.10	78.01	75.94	72.00	70.87	70.85	73.61	77.78	70- 80	128.4	1740	97.7,97.7
90	2.943	2.483	1.551	0.7195	0	0	0.3477	2.471	80- 90	37.53	1777	99.8,99.8
100	0	0	0	0	0.1794	0.0898	0.0043	0.1786	90-100	0.0943	1777	99.8,99.8
110	0.2691	0.1796	0.2696	0.2698	0.6296	0.5391	0.7186	0.7195	100-110	0.2740	1778	99.8,99.8
120	0.2691	0.1796	0.2696	0.2698	0.8971	0.8982	0.6290	0.9893	110-120	0.4860	1778	99.9,99.9
130	0.3588	0.1796	0.2696	0.2698	1.256	0.9880	0.7211	0.9893	120-130	0.5262	1779	99.9,99.9
140	0.4486	0.3593	0.2696	0.2698	1.435	0.9880	1.168	0.9893	130-140	0.5486	1779	99.9,99.9
150	0.8948	0.3593	0.2696	0.2698	1.435	0.9880	1.348	1.436	140-150	0.5525	1780	100,100
160	0.8074	0.3593	0.2696	0.2698	1.437	1.527	1.438	1.439	150-160	0.4574	1780	100,100
170	1.346	0.4491	0.2696	0.5382	1.705	1.527	1.438	1.528	160-170	0.2986	1781	100,100
180	1.346	0.9880	0.6254	1.259	1.256	0.8982	1.258	1.259	170-180	0.1097	1781	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 947.03 lm

%lum = 53.2%

%lamp = 53.2%

Conical surface Flux(120deg): 1391.8 lm

%lum = 78.2%

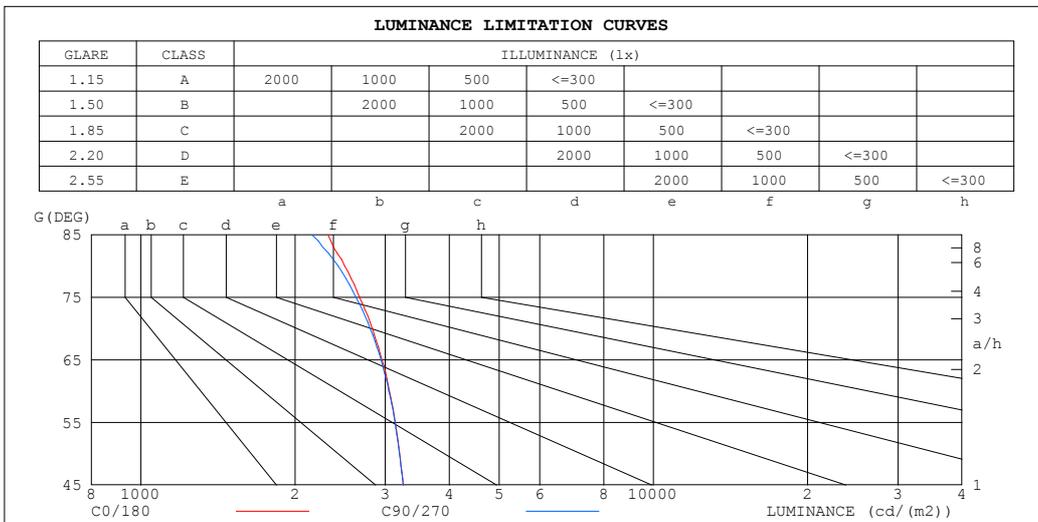
%lamp = 78.2%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Ethan  
Test Date:2022-05-28

$\gamma$  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:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ590mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2316	2156
80	2500	2429
75	2672	2630
70	2829	2803
65	2957	2941
60	3057	3048
55	3136	3134
50	3198	3196
45	3250	3251

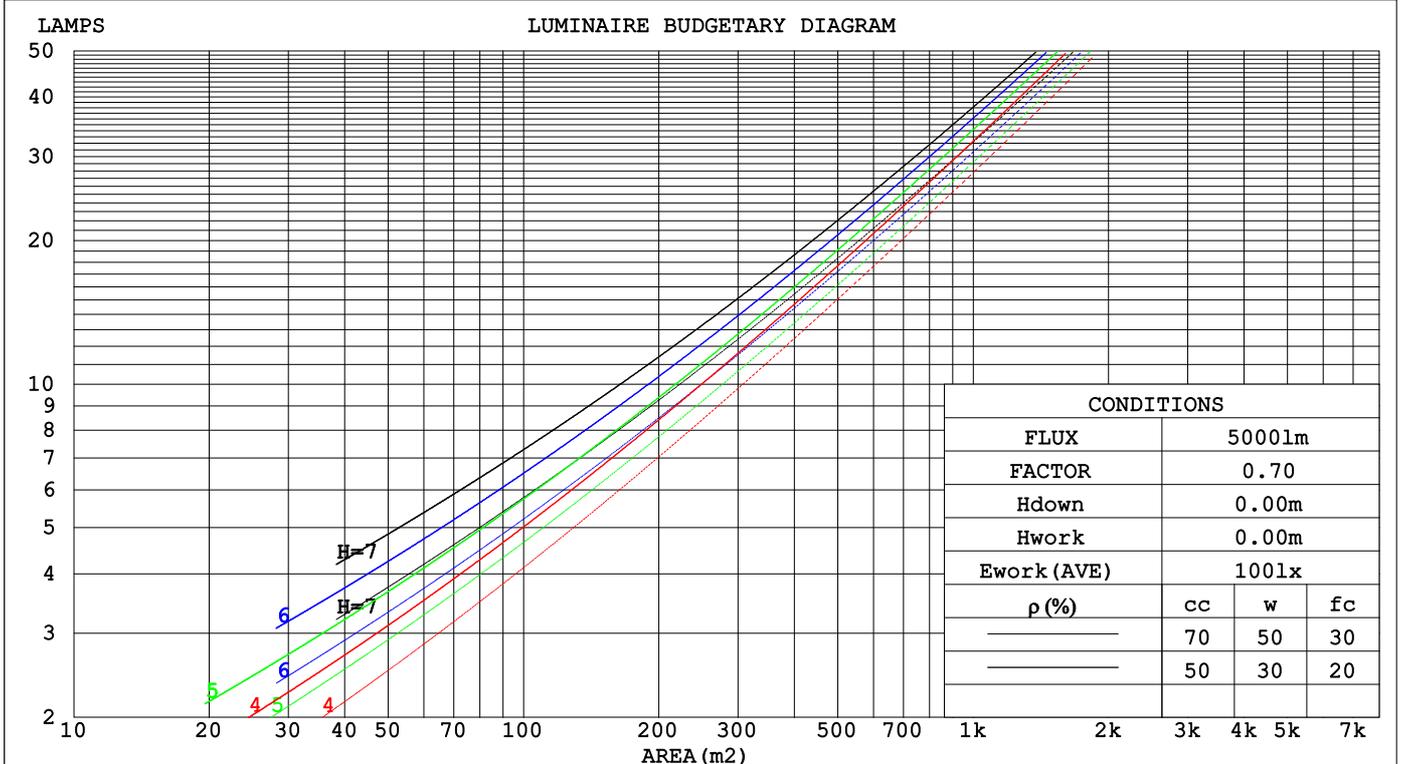
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2℃  
 Operators:Ethan  
 Test Date:2022-05-28

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:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ590mm	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2°C  
 Operators:Ethan  
 Test Date:2022-05-28

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:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ590mm	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	.313	.178	.056	.306	.175	.055	.293	.168	.054	.280	.162	.052	.269	.156	.050	
2.0	.294	.161	.049	.288	.158	.049	.276	.153	.048	.265	.149	.047	.255	.144	.045	
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.246	.135	.041	.237	.131	.041	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.172	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.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	.136	.156	.135	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.133	.099	.149	.115	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.116	.076	.143	.100	.066	.098	.069	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.102	.060	.136	.089	.052	.094	.062	.036	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.049	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.081	.047	.021	.047	.028	.013	.015	.009	.004	
8.0	.131	.071	.030	.112	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.107	.057	.023	.074	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2℃  
 Operators:Ethan  
 Test Date:2022-05-28

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:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ590mm	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	16.9	18.4	17.1	18.6	18.8	16.9	18.4	17.1	18.6	18.8
3H	18.4	19.8	18.7	20.1	20.3	18.4	19.8	18.7	20.1	20.3
4H	19.1	20.4	19.4	20.7	20.9	19.0	20.4	19.3	20.6	20.9
6H	19.5	20.8	19.9	21.1	21.4	19.5	20.8	19.8	21.0	21.3
8H	19.7	20.9	20.1	21.2	21.5	19.6	20.9	20.0	21.2	21.5
12H	19.8	21.0	20.2	21.3	21.6	19.7	20.9	20.1	21.2	21.5
4H 2H	17.5	18.8	17.8	19.1	19.3	17.5	18.8	17.8	19.1	19.3
3H	19.2	20.4	19.6	20.7	21.0	19.2	20.4	19.6	20.7	21.0
4H	20.0	21.1	20.4	21.4	21.7	20.0	21.0	20.3	21.4	21.7
6H	20.6	21.6	21.0	21.9	22.3	20.6	21.5	21.0	21.9	22.3
8H	20.8	21.7	21.3	22.1	22.5	20.8	21.7	21.2	22.0	22.4
12H	21.0	21.8	21.4	22.2	22.6	20.9	21.8	21.4	22.1	22.5
8H 4H	20.3	21.2	20.7	21.5	21.9	20.3	21.1	20.7	21.5	21.9
6H	21.1	21.8	21.5	22.2	22.6	21.0	21.8	21.5	22.2	22.6
8H	21.4	22.0	21.8	22.5	22.9	21.3	22.0	21.8	22.4	22.9
12H	21.6	22.2	22.1	22.7	23.1	21.6	22.1	22.0	22.6	23.1
12H 4H	20.3	21.1	20.7	21.5	21.9	20.3	21.1	20.7	21.5	21.9
6H	21.1	21.8	21.6	22.2	22.7	21.1	21.7	21.6	22.2	22.6
8H	21.5	22.1	22.0	22.5	23.0	21.4	22.0	21.9	22.5	22.9

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, 1781 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.0)  
Area: 0.18 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Ethan  
Test Date:2022-05-28

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:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ590mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

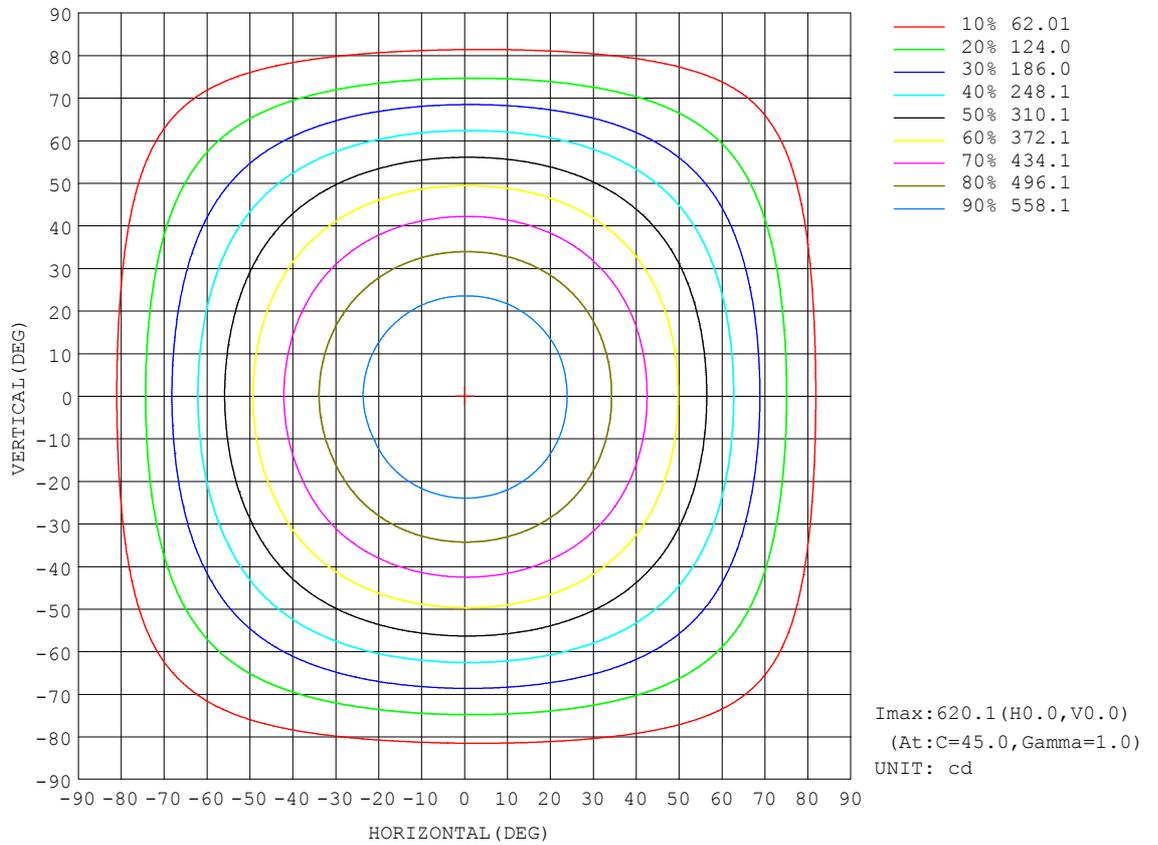
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	96	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	86
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℃  
 Operators:Ethan  
 Test Date:2022-05-28

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:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: $\phi$ 590mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



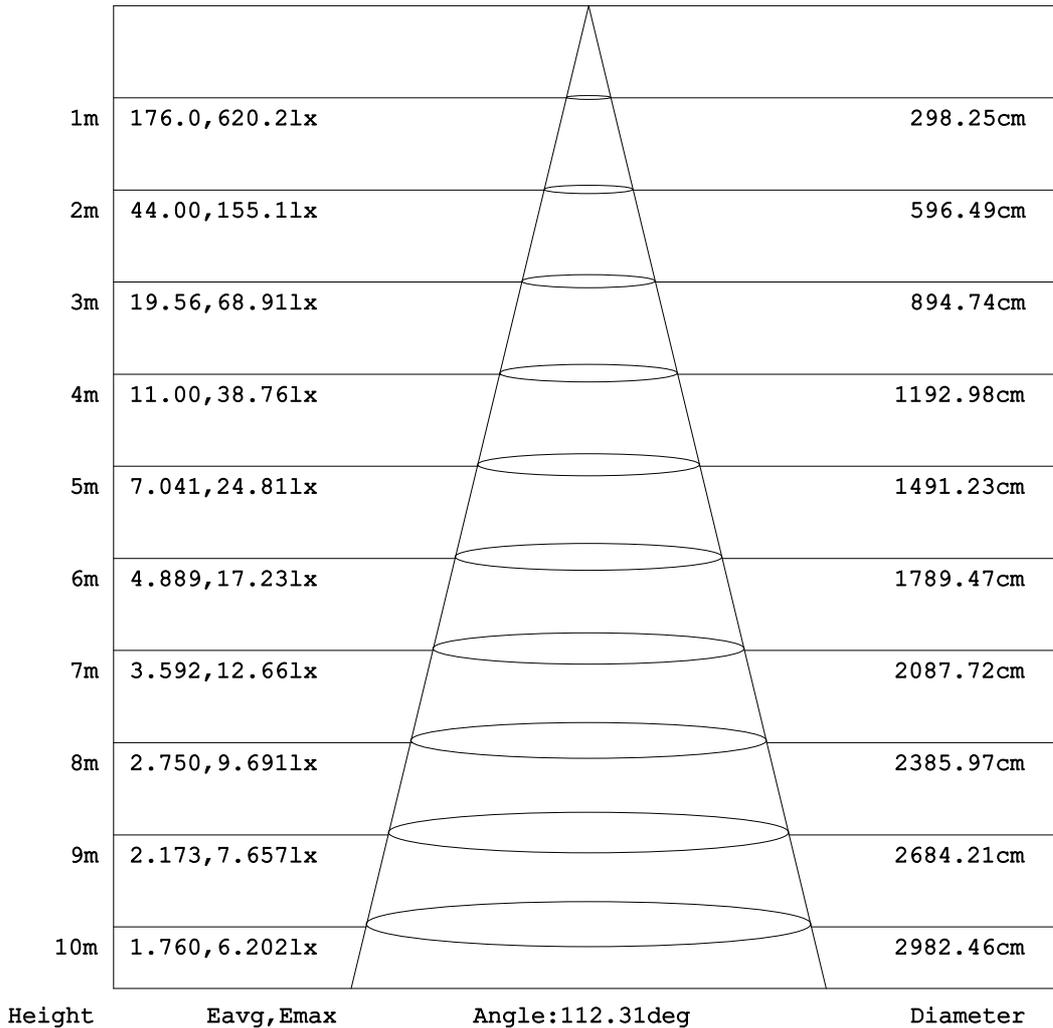
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2°C  
 Operators: Ethan  
 Test Date: 2022-05-28

$\gamma$  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:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ590mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

Flux out:1311 lm



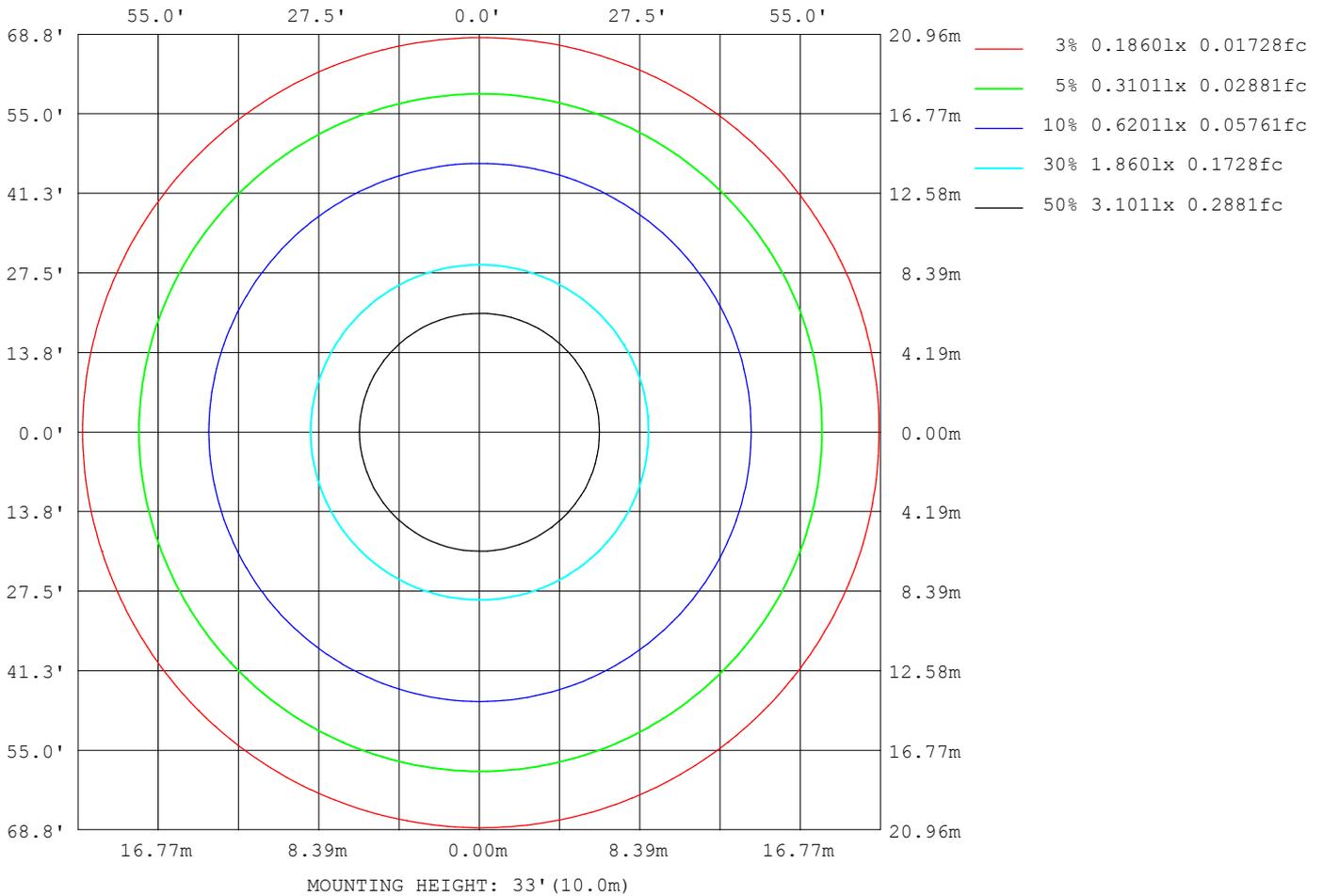
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2°C  
 Operators: Ethan  
 Test Date: 2022-05-28

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**

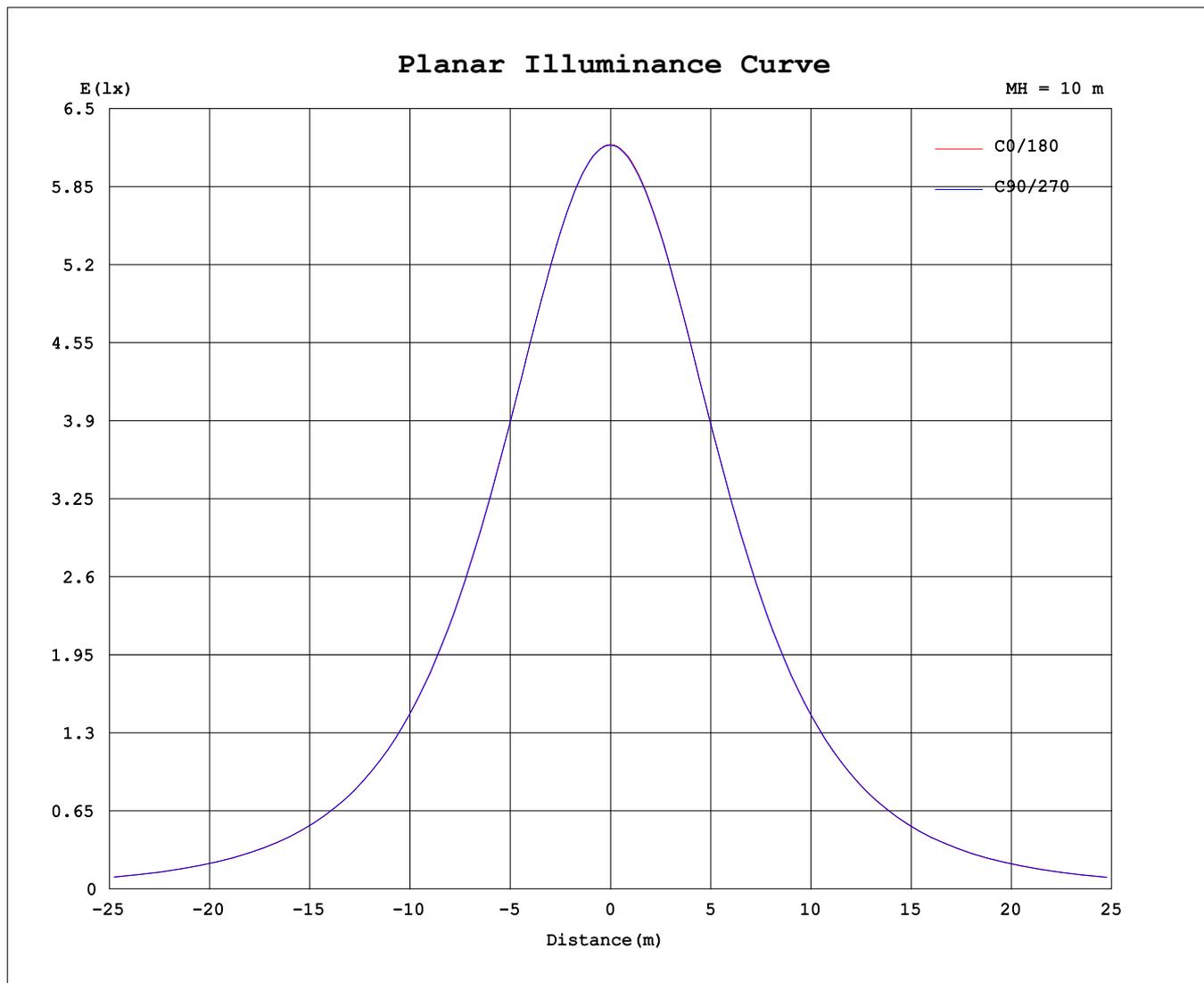
Test:U:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: $\phi$ 590mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2°C  
 Operators:Ethan  
 Test Date:2022-05-28

$\gamma$  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: Ethan  
Test Date: 2022-05-28

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:120.1V I:0.3093A P:36.77W PF:0.9894 Freq:60.01Hz Lamp Flux:1780.72x1 lm		
NAME: CL28P-24-35S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ590mm	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	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620			
5	617	617	617	617	617	617	617	617	617	617	617	617	616	617	617	617			
10	609	609	609	609	609	609	608	608	608	608	608	608	608	608	609	609			
15	595	595	596	596	596	595	595	594	594	594	594	594	594	594	595	596			
20	576	576	577	577	577	576	576	574	575	574	574	574	575	575	576	577			
25	552	552	553	553	553	552	551	550	551	550	550	550	550	551	552	553			
30	524	524	525	525	525	524	522	521	522	521	521	521	522	523	524	525			
35	491	491	492	492	492	491	489	487	488	487	487	488	488	490	491	492			
40	454	454	455	455	454	453	452	449	451	450	450	450	451	453	454	455			
45	413	414	414	414	414	413	411	408	410	409	409	410	411	412	414	415			
50	370	370	370	370	370	368	367	364	366	365	365	366	367	369	370	372			
55	324	324	324	324	324	322	320	317	319	318	318	319	320	322	324	325			
60	275	275	275	275	274	273	271	268	269	269	269	270	271	273	275	277			
65	225	225	225	225	224	222	220	217	218	218	218	220	221	223	225	227			
70	174	174	174	174	173	171	169	166	167	167	168	169	170	172	174	176			
75	124	124	125	124	123	121	119	117	117	117	117	119	120	122	124	126			
80	78.1	78.3	78.0	77.3	75.9	73.9	72.0	70.0	70.9	70.7	70.8	72.1	73.6	75.8	77.8	79.4			
85	36.3	36.3	36.0	35.2	33.8	32.0	30.2	28.3	29.8	29.6	30.0	31.0	32.5	34.4	36.3	37.8			
90	2.94	2.75	2.48	2.08	1.55	1.08	0.72	0.28	0.00	0.00	0.00	0.02	0.35	1.39	2.47	3.33			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.18	0.09	0.09	0.00	0.09	0.18	0.09			
105	0.36	0.36	0.18	0.09	0.45	0.27	0.18	0.18	0.36	0.27	0.36	0.18	0.36	0.36	0.45	0.45			
110	0.27	0.45	0.18	0.27	0.27	0.27	0.27	0.18	0.63	0.54	0.54	0.63	0.72	0.63	0.72	0.63			
115	0.27	0.45	0.18	0.27	0.27	0.27	0.27	0.18	0.72	0.72	0.63	0.63	0.63	0.63	0.99	0.72			
120	0.27	0.45	0.18	0.27	0.27	0.27	0.27	0.18	0.90	0.63	0.90	0.63	0.63	0.63	0.99	0.99			
125	0.27	0.45	0.18	0.27	0.27	0.27	0.27	0.18	1.08	0.90	0.99	0.63	0.72	0.63	0.99	1.26			
130	0.36	0.45	0.18	0.27	0.27	0.27	0.27	0.18	1.26	1.17	0.99	0.63	0.72	0.63	0.99	1.44			
135	0.45	0.45	0.27	0.27	0.27	0.27	0.27	0.27	1.35	1.26	0.99	0.90	0.90	0.99	0.99	1.44			
140	0.45	0.45	0.36	0.36	0.27	0.27	0.27	0.27	1.44	1.52	0.99	1.35	1.17	1.44	0.99	1.44			
145	0.63	0.72	0.36	0.63	0.27	0.45	0.27	0.54	1.44	1.44	0.99	1.35	1.26	1.44	0.99	1.44			
150	0.89	0.63	0.36	0.81	0.27	0.81	0.27	0.63	1.44	1.44	0.99	1.53	1.35	1.44	1.44	1.17			
155	0.81	0.72	0.36	0.90	0.27	0.72	0.27	0.72	1.34	1.35	1.26	1.53	1.44	1.44	1.44	1.35			
160	0.81	0.72	0.36	0.90	0.27	0.81	0.27	0.72	1.44	1.53	1.53	1.53	1.44	0.63	1.44	1.53			
165	0.90	0.72	0.36	1.08	0.27	1.17	0.27	0.72	1.70	1.53	1.53	1.62	1.44	0.54	1.44	1.53			
170	1.35	0.72	0.45	1.44	0.27	1.26	0.54	1.35	1.70	1.44	1.53	1.44	1.44	0.54	1.53	1.53			
175	1.35	0.90	0.99	1.26	0.45	1.26	1.26	1.44	1.53	1.44	0.90	1.26	1.26	0.54	1.26	1.26			
180	1.35	0.90	0.99	1.26	0.63	1.26	1.26	1.17	1.26	1.35	0.90	0.99	1.26	0.63	1.26	1.26			

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 C Interval: 22.5DEG  
 Test Speed: HIGH  
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