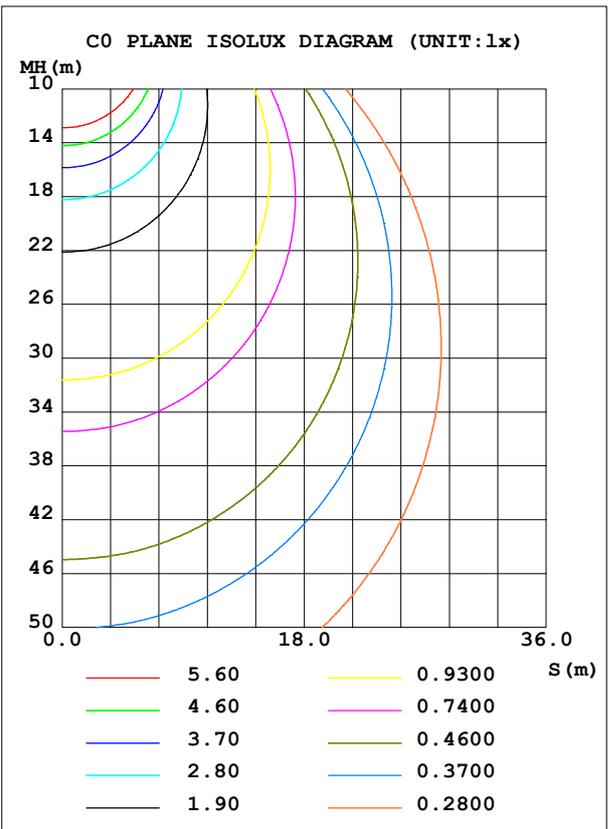
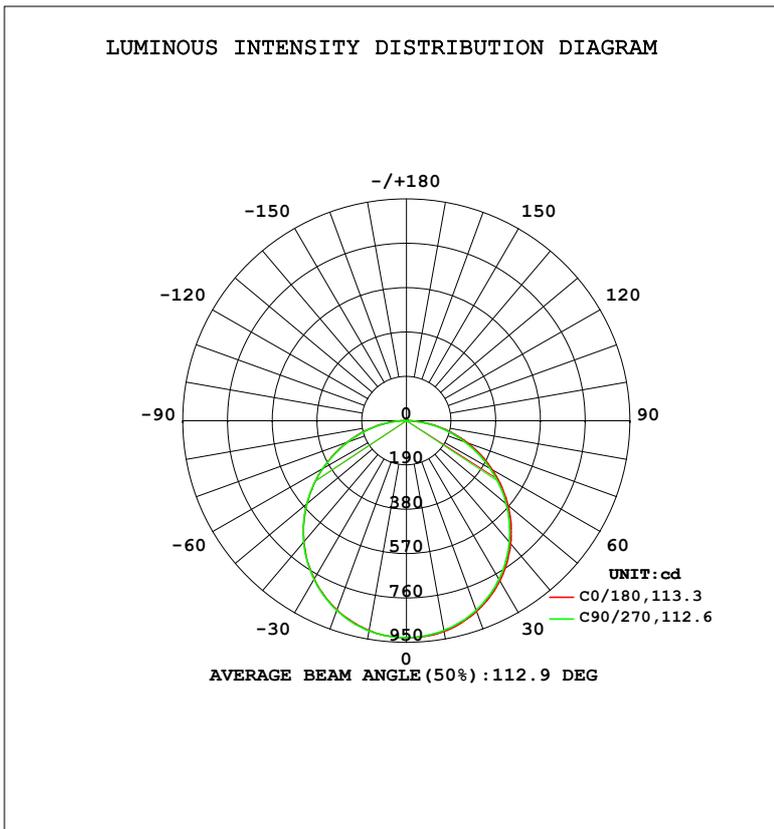


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 60.43 lm/W
MODEL		Imax (cd)	929.8	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)	2707.7	η UP, DN (C0-180)	0.1, 49.8	
NOMINAL FLUX (lm)	2707.68	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 50.0	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	η 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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	917.1	916.7	913.0	912.2	912.9	914.1	914.1	916.1	0- 10	88.03	88.03	3.25,3.25
20	870.2	869.7	864.5	862.2	863.2	864.4	865.2	870.6	10- 20	252.4	340.4	12.6,12.6
30	792.8	792.0	785.5	782.2	784.2	783.9	785.4	792.9	20- 30	382.6	723.1	26.7,26.7
40	688.8	687.5	680.3	676.0	678.5	677.5	679.4	688.3	30- 40	461.4	1184	43.7,43.7
50	563.3	561.2	553.1	548.8	551.8	550.7	552.6	562.1	40- 50	478.9	1663	61.4,61.4
60	422.3	419.8	410.6	407.1	411.4	410.5	411.2	421.5	50- 60	434.5	2098	77.5,77.5
70	274.8	269.8	261.6	260.4	265.5	264.9	263.7	273.0	60- 70	337.3	2435	89.9,89.9
80	124.4	118.0	114.4	117.8	125.4	124.2	121.2	128.4	70- 80	204.2	2639	97.5,97.5
90	2.371	2.407	2.769	5.819	9.611	12.36	8.356	6.597	80- 90	62.55	2702	99.8,99.8
100	0.1001	0	0.2779	0.1947	0.3718	0.2791	0.4171	0.3688	90-100	0.9128	2703	99.8,99.8
110	0.1938	0.0992	0.2779	0.2981	0.9993	0.8129	0.9090	0.8031	100-110	0.4265	2703	99.8,99.8
120	0.2876	0.3188	0.2779	0.5552	1.533	1.574	1.241	1.371	110-120	0.7071	2704	99.9,99.9
130	0.3852	0.7943	0.2779	0.7988	1.758	1.574	1.480	1.667	120-130	0.8830	2705	99.9,99.9
140	0.5828	0.8333	0.4646	1.388	1.758	1.521	1.482	1.575	130-140	0.8827	2706	99.9,99.9
150	1.295	0.8333	0.7957	1.191	1.758	1.614	1.361	1.077	140-150	0.8212	2707	100,100
160	1.477	0.8333	0.8181	1.045	1.758	1.771	1.290	1.701	150-160	0.6568	2707	100,100
170	1.480	0.8333	0.9574	1.029	1.758	1.632	1.219	1.482	160-170	0.3901	2708	100,100
180	1.480	0.9259	1.204	1.019	1.480	1.296	1.204	1.297	170-180	0.1271	2708	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1425.6 lm

%lum = 52.7%
 %lamp = 52.7%

Conical surface Flux(120deg): 2097.8 lm

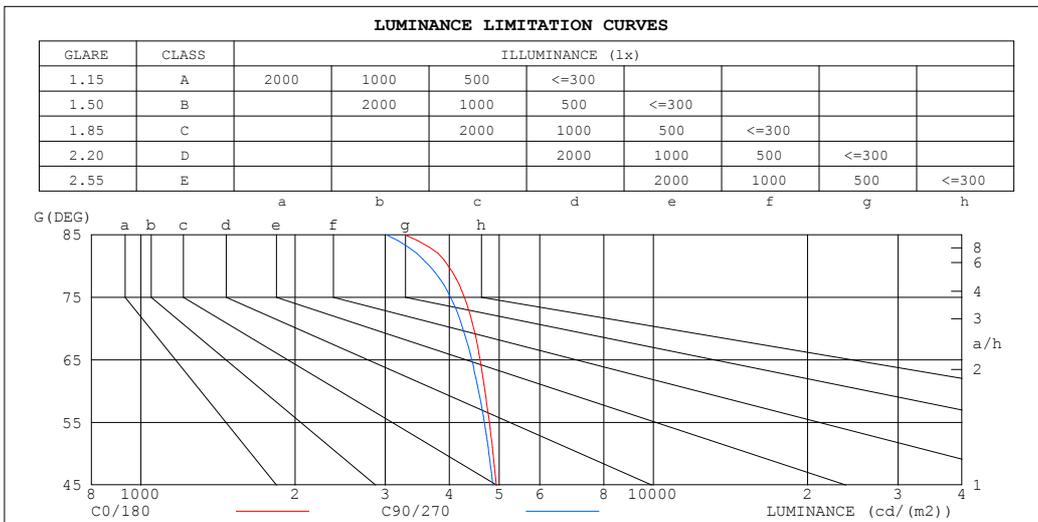
%lum = 77.5%
 %lamp = 77.5%

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

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:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3277	3009
80	3981	3661
75	4278	4023
70	4464	4249
65	4591	4423
60	4692	4562
55	4787	4680
50	4869	4779
45	4938	4863

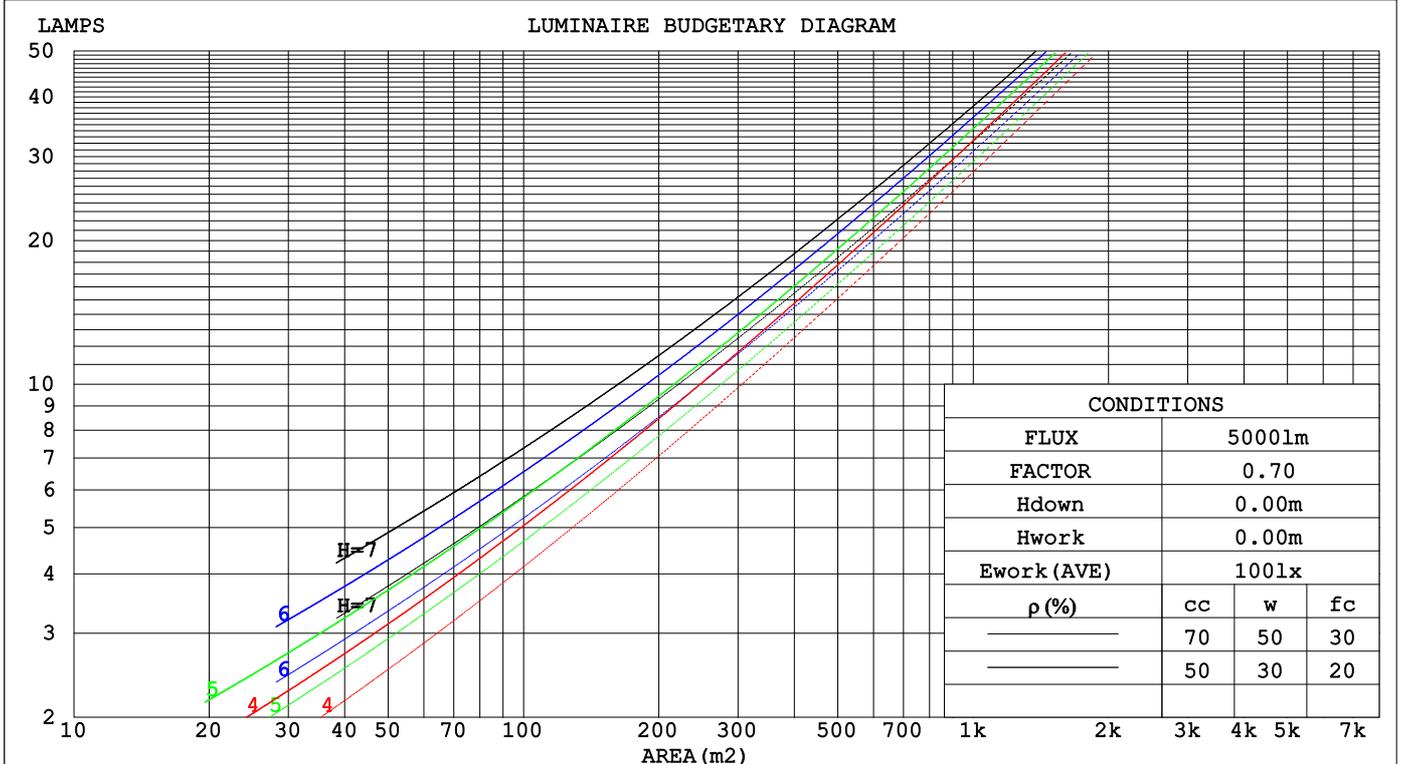
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2°C
 Operators: Brooke
 Test Date: 2022-05-25

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	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:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	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						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 _{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						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:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	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	18.4	19.9	18.6	20.1	20.3	18.2	19.8	18.5	20.0	20.2
3H	20.0	21.4	20.3	21.6	21.9	19.8	21.2	20.1	21.5	21.7
4H	20.7	22.0	21.0	22.3	22.5	20.5	21.8	20.8	22.1	22.3
6H	21.2	22.4	21.5	22.7	23.0	20.9	22.2	21.3	22.5	22.8
8H	21.3	22.6	21.7	22.8	23.1	21.1	22.3	21.4	22.6	22.9
12H	21.4	22.6	21.8	22.9	23.2	21.2	22.3	21.5	22.6	22.9
4H 2H	19.0	20.3	19.3	20.6	20.8	18.9	20.2	19.2	20.5	20.8
3H	20.8	22.0	21.1	22.3	22.6	20.7	21.8	21.0	22.1	22.4
4H	21.6	22.7	22.0	23.0	23.3	21.4	22.5	21.8	22.8	23.2
6H	22.2	23.2	22.6	23.6	23.9	22.0	23.0	22.4	23.3	23.7
8H	22.5	23.4	22.9	23.7	24.1	22.2	23.1	22.6	23.5	23.9
12H	22.6	23.4	23.0	23.8	24.2	22.3	23.2	22.8	23.6	24.0
8H 4H	21.9	22.8	22.3	23.2	23.5	21.7	22.6	22.1	23.0	23.4
6H	22.7	23.4	23.1	23.8	24.3	22.5	23.2	22.9	23.6	24.1
8H	23.0	23.7	23.5	24.1	24.5	22.8	23.4	23.2	23.9	24.3
12H	23.2	23.8	23.7	24.2	24.7	23.0	23.5	23.4	24.0	24.5
12H 4H	21.9	22.7	22.3	23.1	23.5	21.8	22.6	22.2	23.0	23.4
6H	22.7	23.4	23.2	23.8	24.3	22.6	23.2	23.0	23.6	24.1
8H	23.1	23.7	23.6	24.1	24.6	22.9	23.4	23.4	23.9	24.4

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, 2708 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.5)
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:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

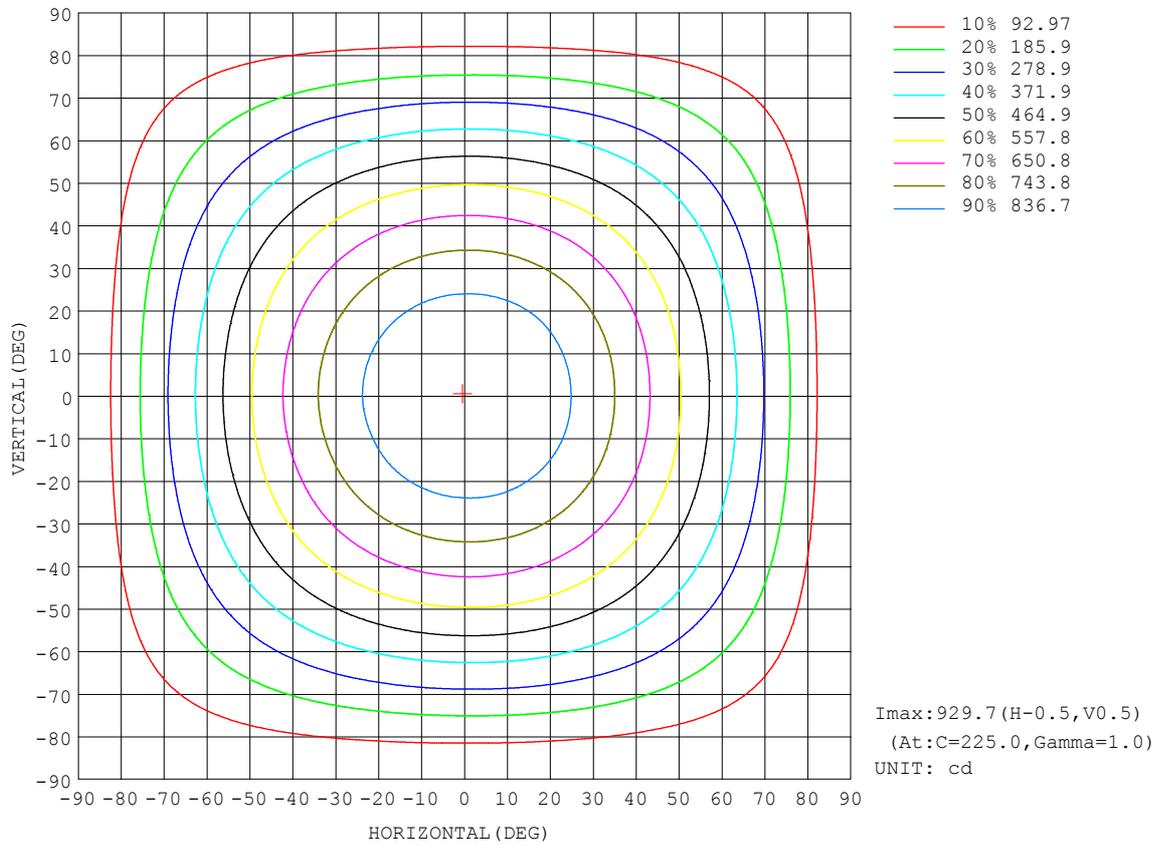
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	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:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



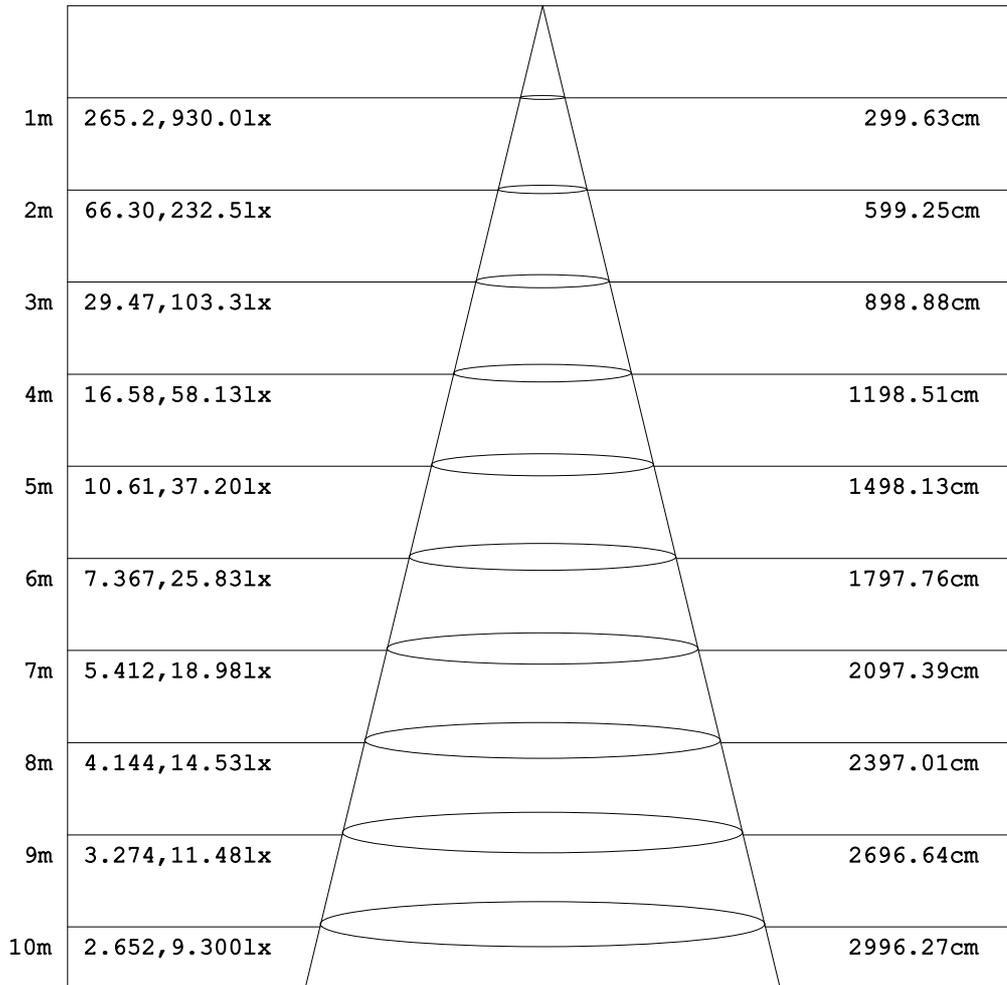
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2°C
 Operators:Brooke
 Test Date:2022-05-25

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:

AAI Figure

Test:U:120.0V I:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

Flux out:1976 lm



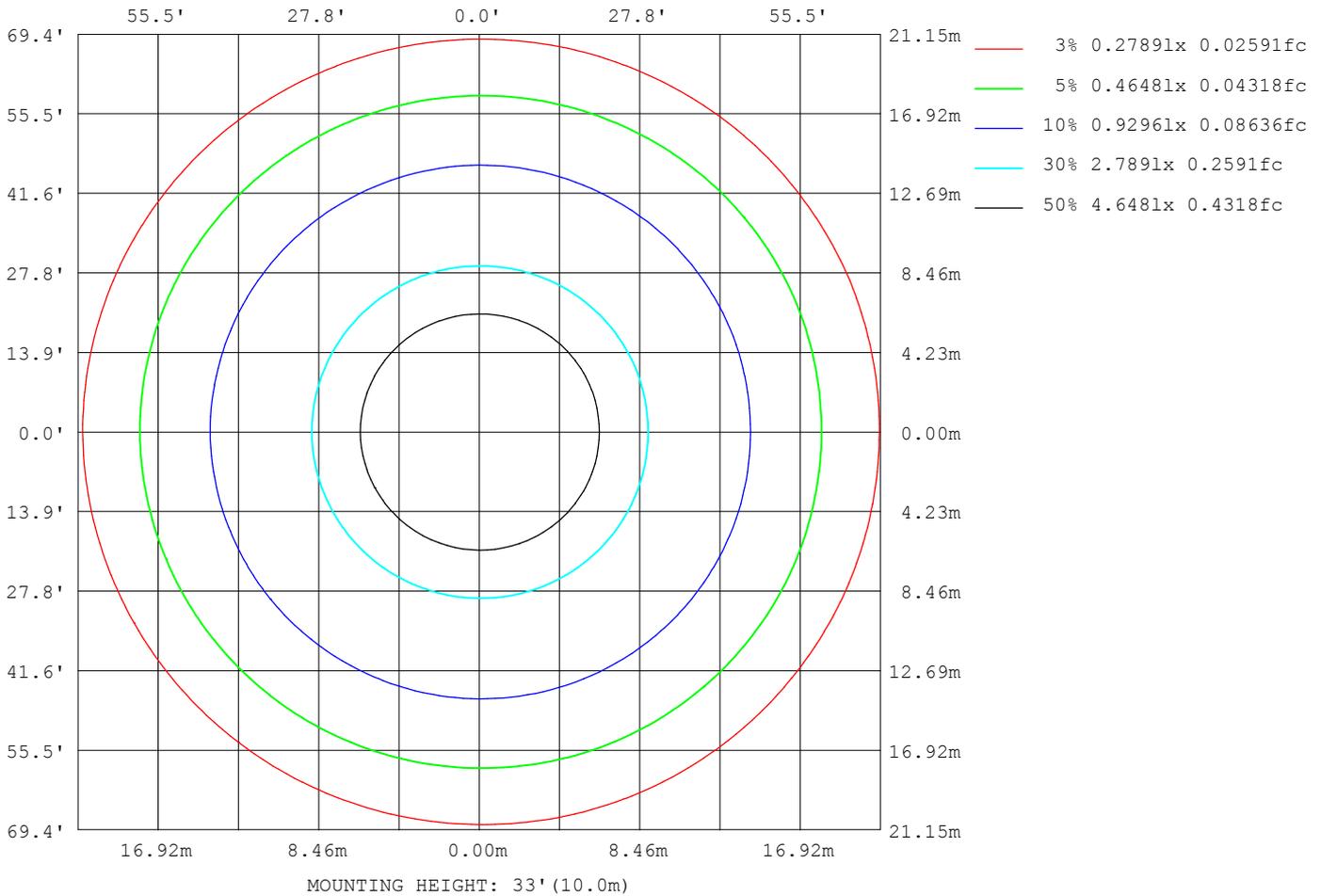
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2℃
 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

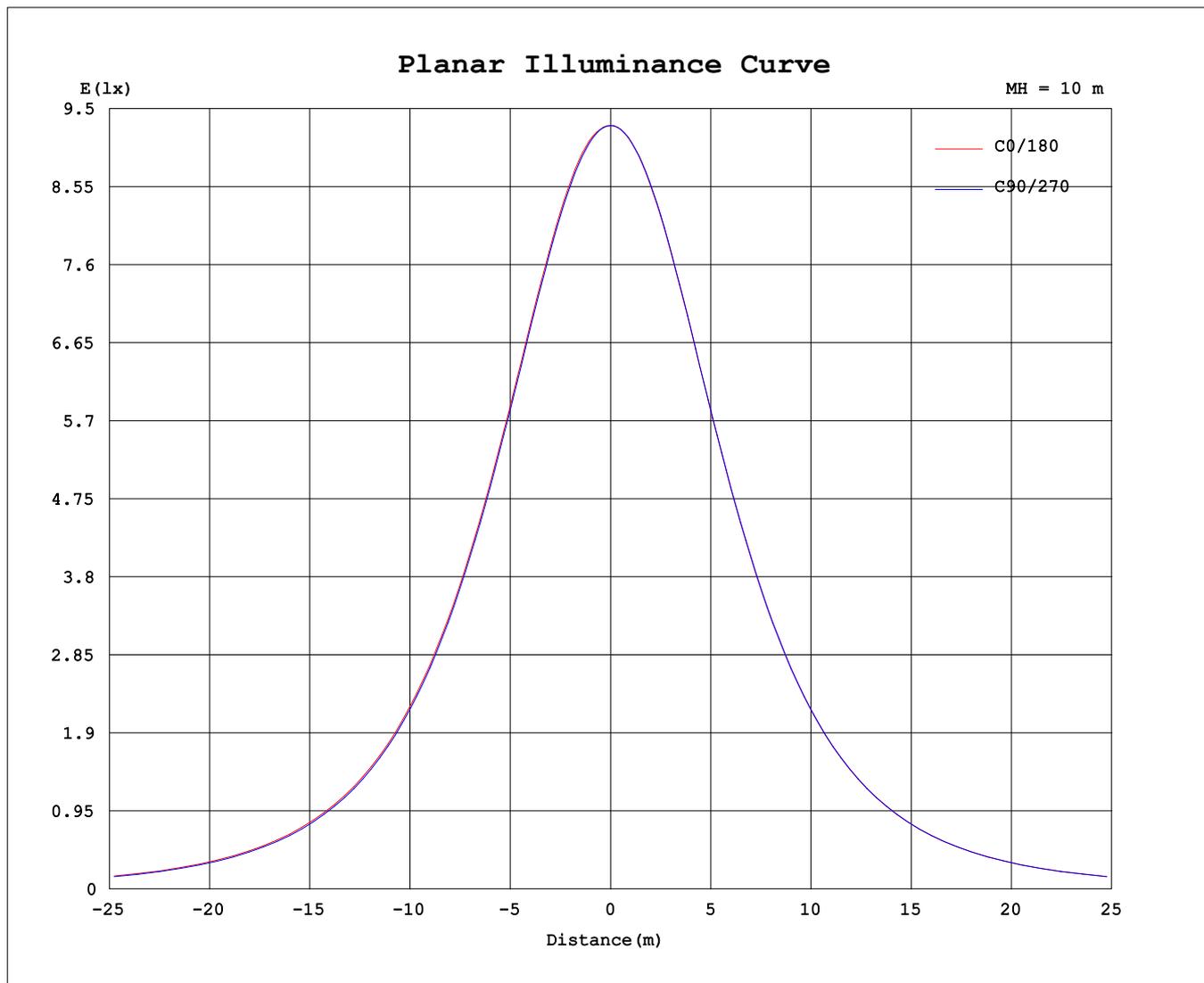
Test:U:120.0V I:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



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

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:

Planar Illuminance Curve



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 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2°C
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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:0.3783A P:44.81W PF:0.9874 Freq:60.01Hz Lamp Flux:2707.68x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 3000K	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	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930			
5	927	927	926	926	925	925	925	925	926	926	926	926	926	926	926	927			
10	917	917	917	915	913	912	912	912	913	913	914	914	914	914	916	917			
15	897	897	897	895	893	892	891	891	892	892	893	894	894	895	897	899			
20	870	871	870	868	865	863	862	862	863	864	864	865	865	867	871	871			
25	835	835	834	832	829	826	826	825	828	827	828	828	829	832	835	836			
30	793	793	792	790	786	783	782	781	784	784	784	784	785	789	793	794			
35	744	744	743	740	736	733	732	731	734	734	734	733	736	739	744	746			
40	689	689	687	684	680	677	676	675	679	678	677	678	679	684	688	691			
45	628	629	627	624	619	615	614	614	617	617	616	616	618	623	628	630			
50	563	564	561	557	553	549	549	549	552	551	551	551	553	557	562	565			
55	494	494	492	488	483	480	479	479	483	483	482	481	484	487	493	496			
60	422	422	420	416	411	408	407	408	411	411	410	409	411	415	422	425			
65	349	348	346	342	337	334	334	335	339	339	338	337	338	342	348	351			
70	275	273	270	266	262	259	260	263	266	266	265	263	264	267	273	277			
75	199	197	194	191	187	186	188	190	194	194	193	191	191	194	200	203			
80	124	121	118	116	114	115	118	121	125	126	124	121	121	124	128	129			
85	51.4	48.2	47.6	47.9	47.2	48.6	52.2	55.8	60.3	62.0	61.6	58.0	55.0	57.2	58.8	57.1			
90	2.37	1.20	2.41	3.24	2.77	3.23	5.82	7.78	9.61	11.0	12.4	11.7	8.36	5.91	6.60	5.52			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	0.00	0.09	0.09	0.19	0.19	0.09	0.09			
100	0.10	0.20	0.00	0.10	0.28	0.18	0.19	0.11	0.37	0.39	0.28	0.46	0.42	0.34	0.37	0.40			
105	0.15	0.26	0.00	0.14	0.28	0.09	0.25	0.17	0.74	0.68	0.64	0.71	0.65	0.65	0.56	0.68			
110	0.19	0.32	0.10	0.19	0.28	0.09	0.30	0.23	1.00	0.93	0.81	0.97	0.91	0.86	0.80	0.81			
115	0.24	0.38	0.20	0.23	0.28	0.19	0.35	0.37	1.29	1.30	1.11	1.11	1.10	1.02	1.11	1.15			
120	0.29	0.44	0.32	0.27	0.28	0.37	0.56	0.41	1.53	1.48	1.57	1.11	1.24	1.30	1.37	1.39			
125	0.33	0.61	0.66	0.32	0.28	0.46	0.63	0.59	1.80	1.50	1.57	1.11	1.48	1.33	1.67	1.68			
130	0.39	0.95	0.79	0.38	0.28	0.55	0.80	0.73	1.76	1.52	1.57	1.11	1.48	1.35	1.67	1.67			
135	0.44	1.20	0.83	0.43	0.42	0.63	1.17	0.82	1.76	1.54	1.56	1.34	1.48	1.38	1.67	1.65			
140	0.58	1.41	0.83	0.51	0.46	0.72	1.39	0.88	1.76	1.56	1.52	1.43	1.48	1.48	1.57	1.63			
145	0.83	1.45	0.83	1.20	0.74	1.67	1.48	1.20	1.76	1.56	1.48	1.52	1.39	1.51	1.02	1.60			
150	1.30	1.39	0.83	1.48	0.80	1.67	1.19	1.20	1.76	1.54	1.61	1.61	1.36	1.54	1.08	1.62			
155	1.48	1.38	0.83	1.52	0.81	1.85	1.05	1.20	1.76	1.53	1.83	1.70	1.33	1.57	1.57	1.67			
160	1.48	1.35	0.83	1.44	0.82	1.67	1.04	1.16	1.76	1.51	1.77	1.79	1.29	1.60	1.70	1.61			
165	1.48	1.33	0.83	1.43	0.83	1.11	1.04	1.06	1.76	1.49	1.70	1.70	1.25	1.63	1.59	1.55			
170	1.48	1.31	0.83	1.48	0.96	1.09	1.03	1.39	1.76	1.49	1.63	1.57	1.22	1.66	1.48	1.57			
175	1.48	1.30	0.93	1.24	1.16	1.18	1.02	1.52	1.67	1.48	1.57	1.57	1.21	1.11	1.35	1.02			
180	1.48	1.30	0.93	1.20	1.20	1.57	1.02	1.39	1.48	1.48	1.30	0.93	1.20	1.20	1.30	1.02			

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