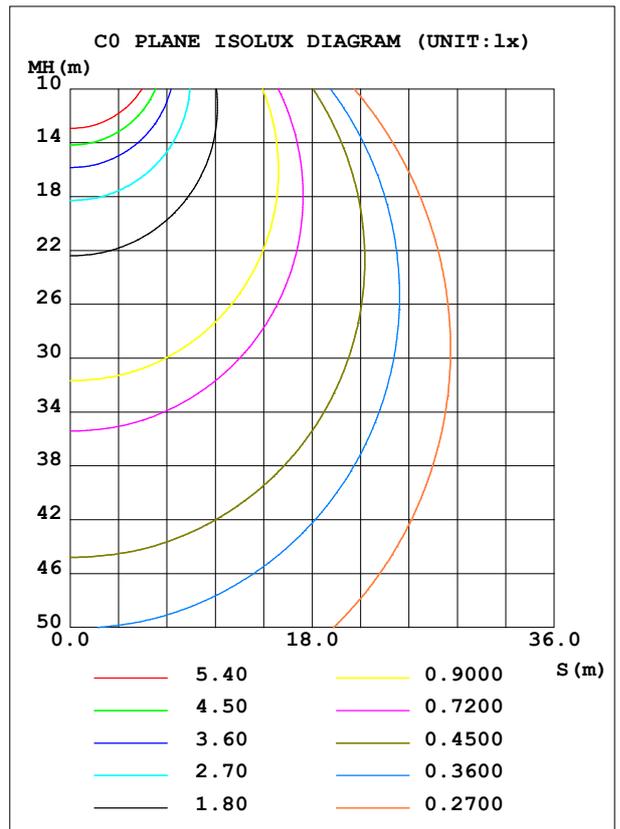
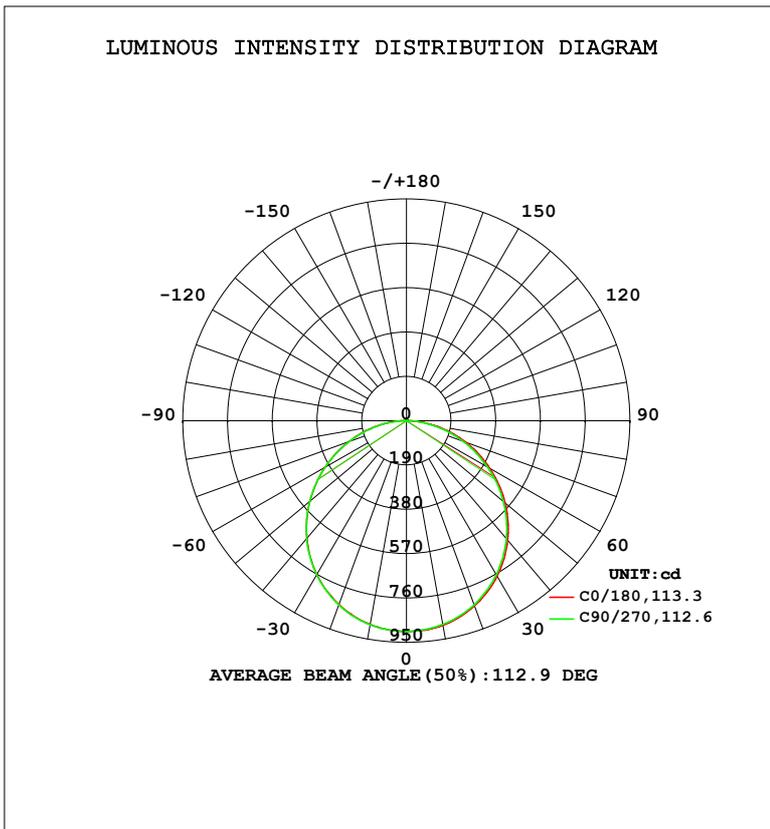


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 60.11 lm/W
MODEL		Imax (cd)	903.0	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)	2629.6	η UP, DN (C0-180)	0.1, 49.8	
NOMINAL FLUX (lm)	2629.59	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	890.6	890.3	886.6	885.9	886.5	887.7	887.7	889.6	0- 10	85.49	85.49	3.25,3.25
20	845.1	844.6	839.6	837.3	838.3	839.5	840.2	845.5	10- 20	245.1	330.6	12.6,12.6
30	770.0	769.2	762.9	759.7	761.6	761.3	762.7	770.1	20- 30	371.6	702.2	26.7,26.7
40	668.9	667.7	660.7	656.5	659.0	658.0	659.8	668.4	30- 40	448.1	1150	43.7,43.7
50	547.0	545.0	537.1	533.0	535.9	534.8	536.6	545.9	40- 50	465.1	1615	61.4,61.4
60	410.1	407.7	398.8	395.4	399.5	398.6	399.3	409.4	50- 60	422.0	2037	77.5,77.5
70	266.9	262.0	254.1	252.9	257.9	257.3	256.1	265.2	60- 70	327.5	2365	89.9,89.9
80	120.8	114.6	111.1	114.4	121.8	120.6	117.7	124.7	70- 80	198.3	2563	97.5,97.5
90	2.303	2.338	2.690	5.651	9.334	12.00	8.116	6.407	80- 90	60.75	2624	99.8,99.8
100	0.2670	0	0.2699	0.3595	0.3611	0.2710	0.4468	0.2698	90-100	0.8807	2625	99.8,99.8
110	0.2696	0.1798	0.2699	0.2698	0.9015	0.8093	0.8097	0.8095	100-110	0.4259	2625	99.8,99.8
120	0.2696	0.2698	0.2699	0.5392	1.443	1.529	1.080	1.349	110-120	0.6683	2626	99.9,99.9
130	0.3594	0.7194	0.2699	0.8095	1.707	1.619	1.350	1.709	120-130	0.8493	2627	99.9,99.9
140	0.4493	0.8093	0.4512	1.261	1.707	1.529	1.439	1.529	130-140	0.8576	2628	99.9,99.9
150	1.258	0.8093	0.7197	1.079	1.707	1.349	1.260	0.9894	140-150	0.8057	2628	100,100
160	1.348	0.8093	0.7197	0.9894	1.707	1.797	1.260	1.709	150-160	0.6381	2629	100,100
170	1.348	0.8093	0.9897	0.9894	1.707	1.619	1.260	1.440	160-170	0.3741	2629	100,100
180	1.438	0.8992	1.170	0.9894	1.438	1.259	1.170	1.259	170-180	0.1218	2630	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1384.5 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 2037.3 lm

%lum = 77.5%

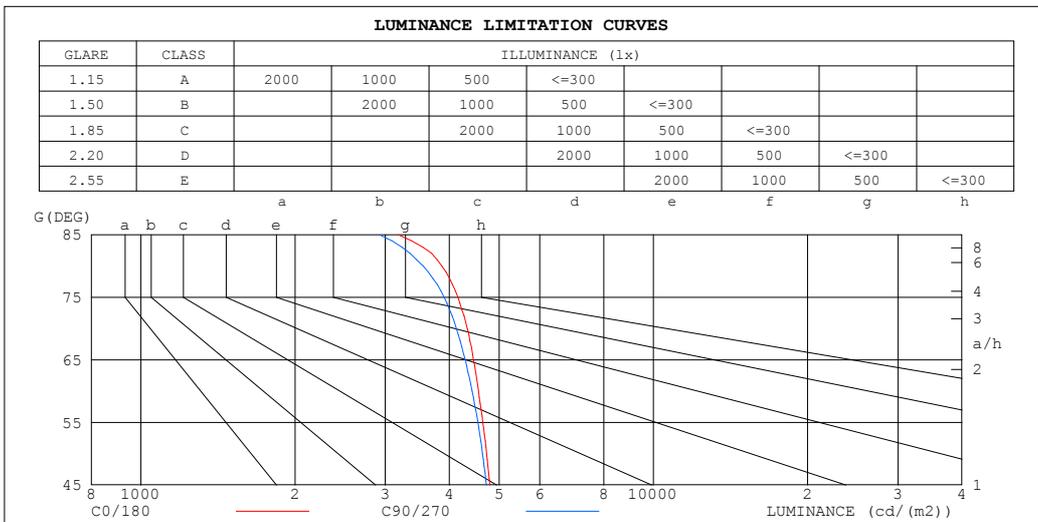
%lamp = 77.5%

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:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3182	2923
80	3866	3555
75	4155	3907
70	4335	4127
65	4459	4296
60	4557	4430
55	4649	4545
50	4728	4642
45	4796	4723

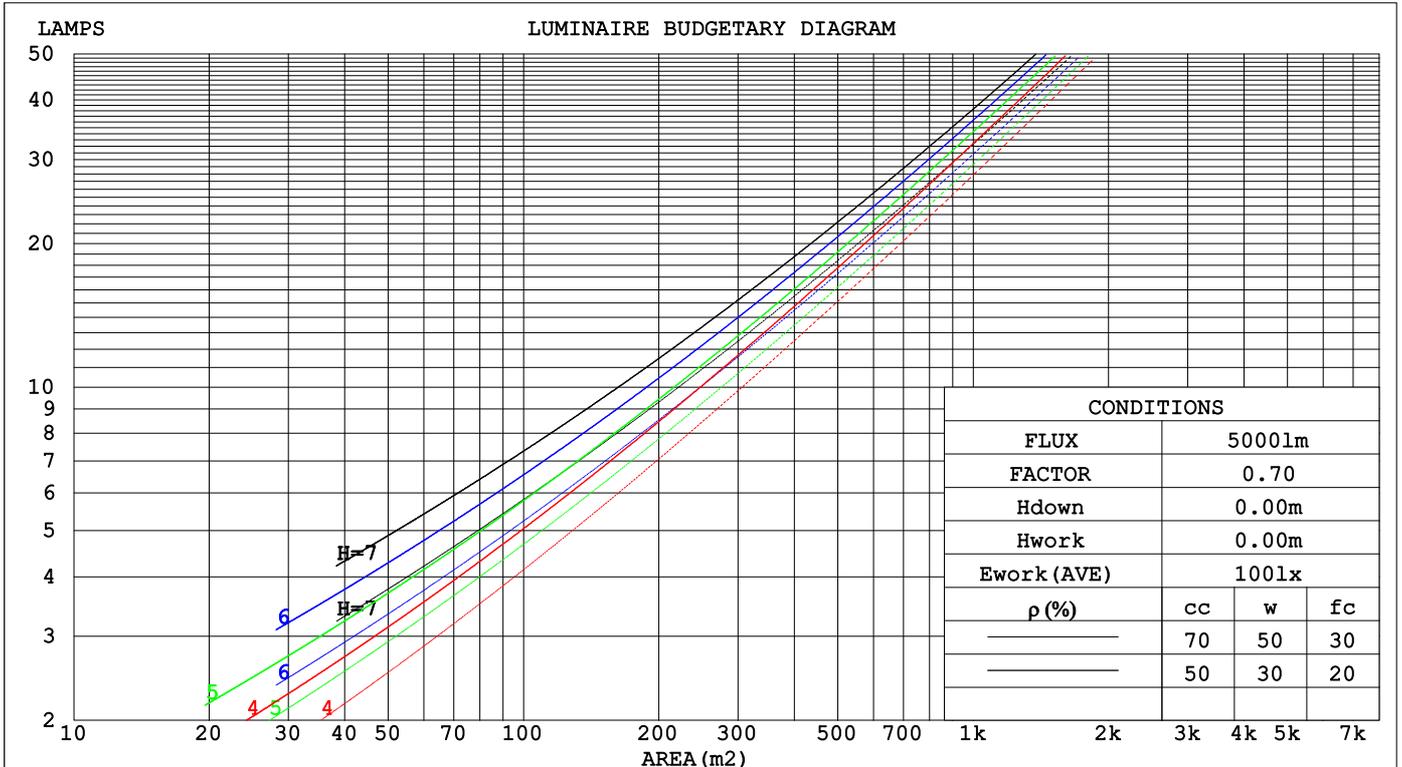
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2°C
 Operators: Brooke
 Test Date: 2022-05-25

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:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	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	.39	.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:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	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	.268	.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:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	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	18.3	19.8	18.5	20.0	20.2	18.1	19.7	18.4	19.9	20.1
3H	19.9	21.3	20.2	21.5	21.8	19.7	21.1	20.0	21.4	21.6
4H	20.6	21.9	20.9	22.2	22.4	20.4	21.7	20.7	22.0	22.2
6H	21.1	22.3	21.4	22.6	22.9	20.8	22.1	21.2	22.4	22.7
8H	21.2	22.5	21.6	22.7	23.0	21.0	22.2	21.3	22.5	22.8
12H	21.3	22.5	21.7	22.8	23.1	21.1	22.2	21.4	22.5	22.8
4H 2H	18.9	20.2	19.2	20.5	20.7	18.8	20.1	19.1	20.4	20.7
3H	20.7	21.9	21.0	22.2	22.5	20.6	21.7	20.9	22.0	22.3
4H	21.5	22.6	21.9	22.9	23.2	21.3	22.4	21.7	22.7	23.1
6H	22.1	23.1	22.5	23.5	23.8	21.9	22.9	22.3	23.2	23.6
8H	22.4	23.3	22.8	23.6	24.0	22.1	23.0	22.5	23.4	23.8
12H	22.5	23.3	22.9	23.7	24.1	22.2	23.1	22.7	23.5	23.9
8H 4H	21.8	22.7	22.2	23.1	23.4	21.6	22.5	22.0	22.9	23.3
6H	22.6	23.3	23.0	23.7	24.2	22.4	23.1	22.8	23.5	24.0
8H	22.9	23.5	23.3	24.0	24.4	22.7	23.3	23.1	23.8	24.2
12H	23.1	23.7	23.6	24.1	24.6	22.9	23.4	23.3	23.9	24.4
12H 4H	21.8	22.6	22.2	23.0	23.4	21.7	22.5	22.1	22.9	23.3
6H	22.6	23.3	23.1	23.7	24.2	22.5	23.1	22.9	23.5	24.0
8H	23.0	23.6	23.5	24.0	24.5	22.8	23.3	23.3	23.8	24.3

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, 2630 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.4)
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:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

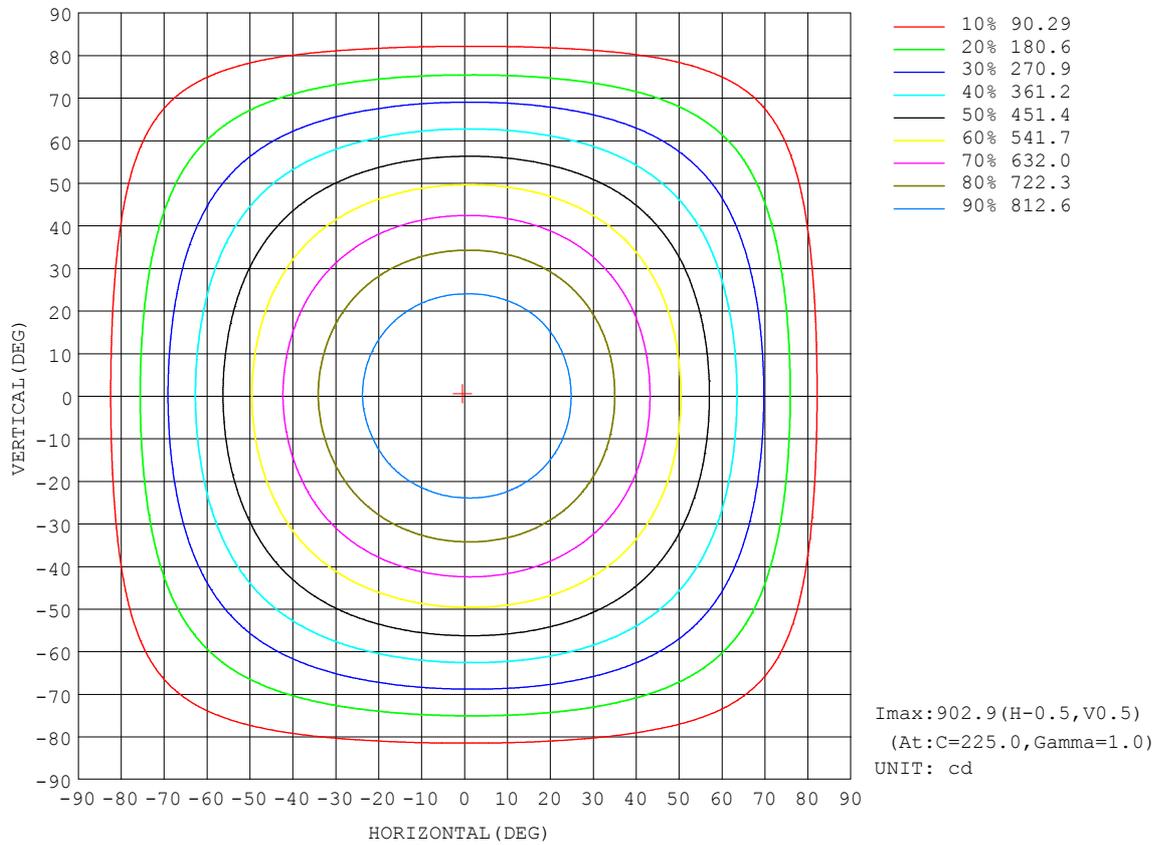
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k (RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	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℃
 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:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



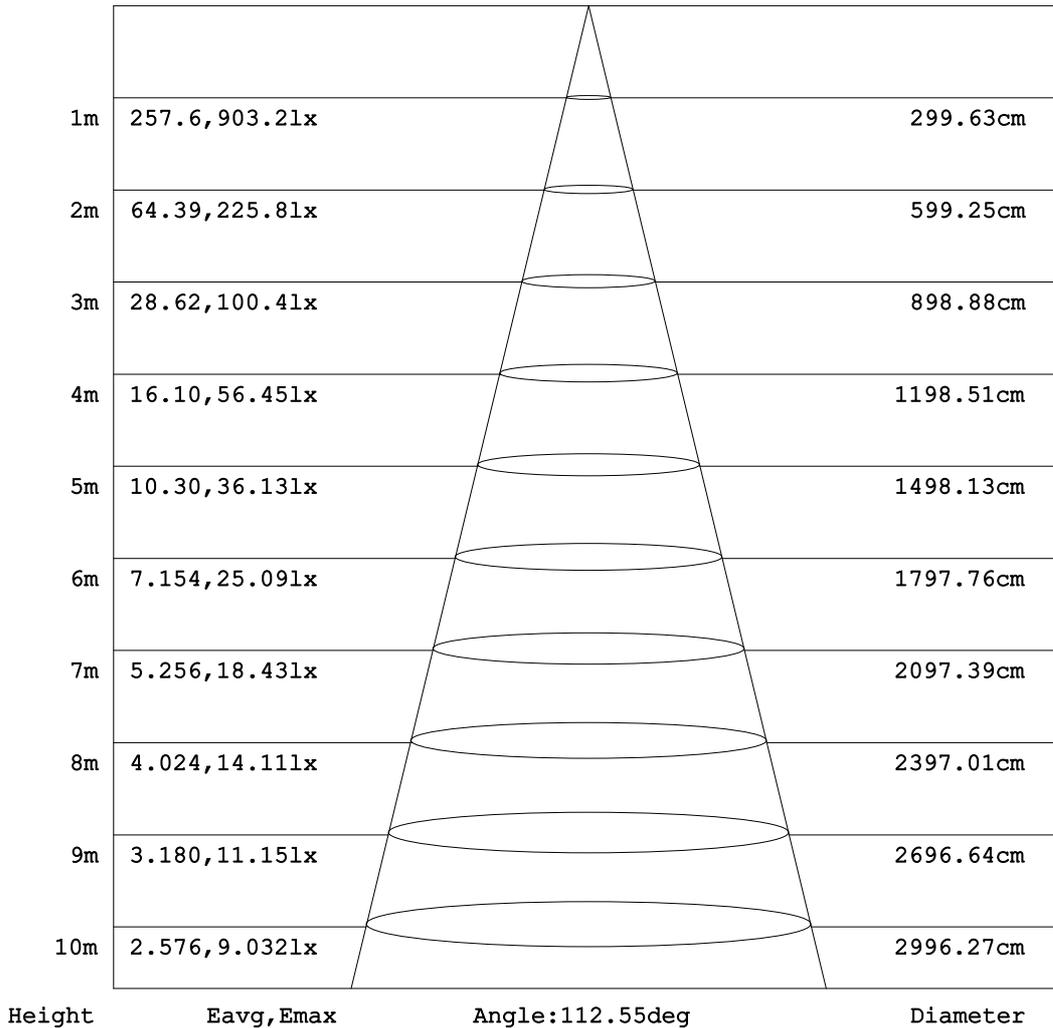
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2°C
Operators:Brooke
Test Date:2022-05-25

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:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: φ1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:

Flux out:1919 lm



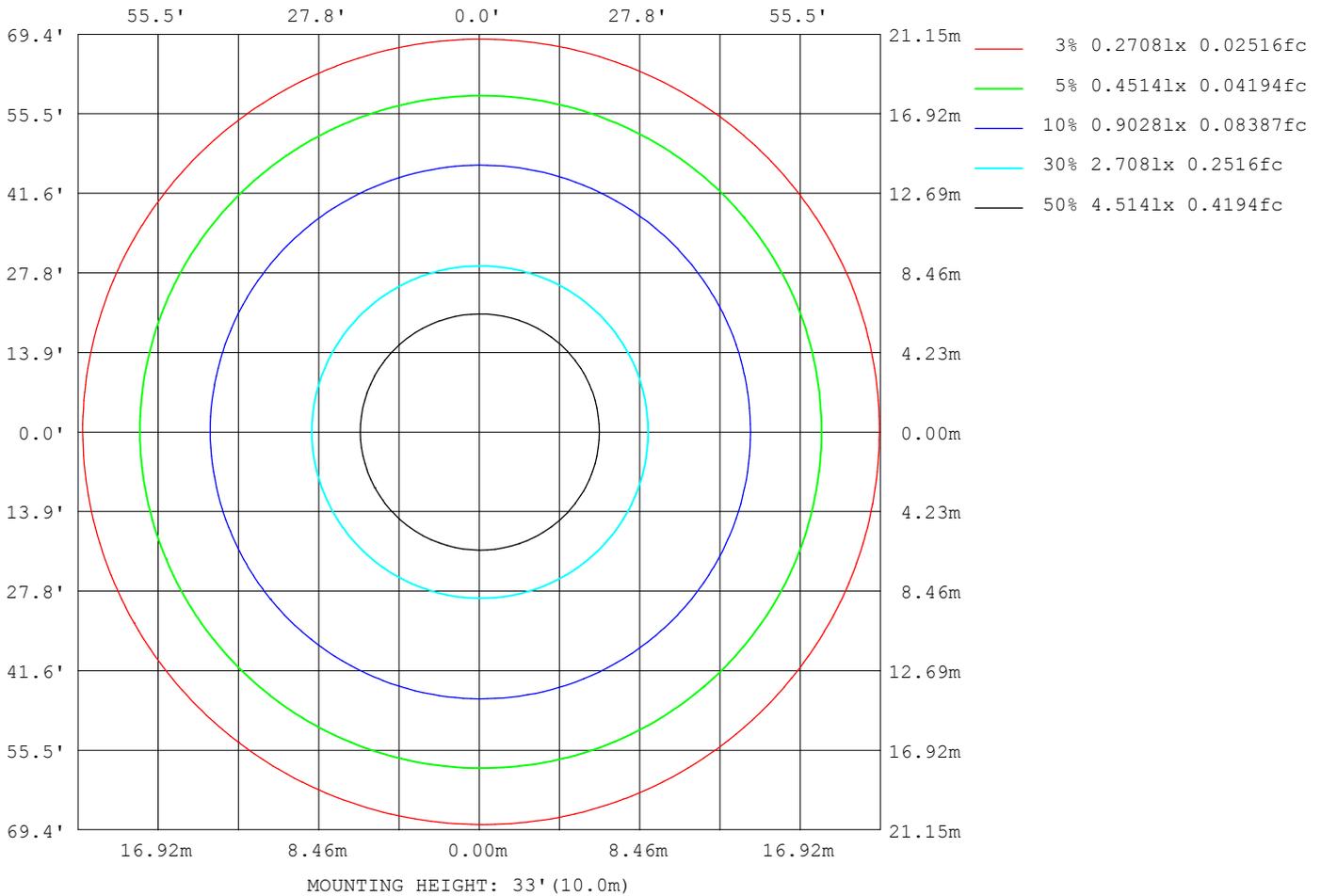
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

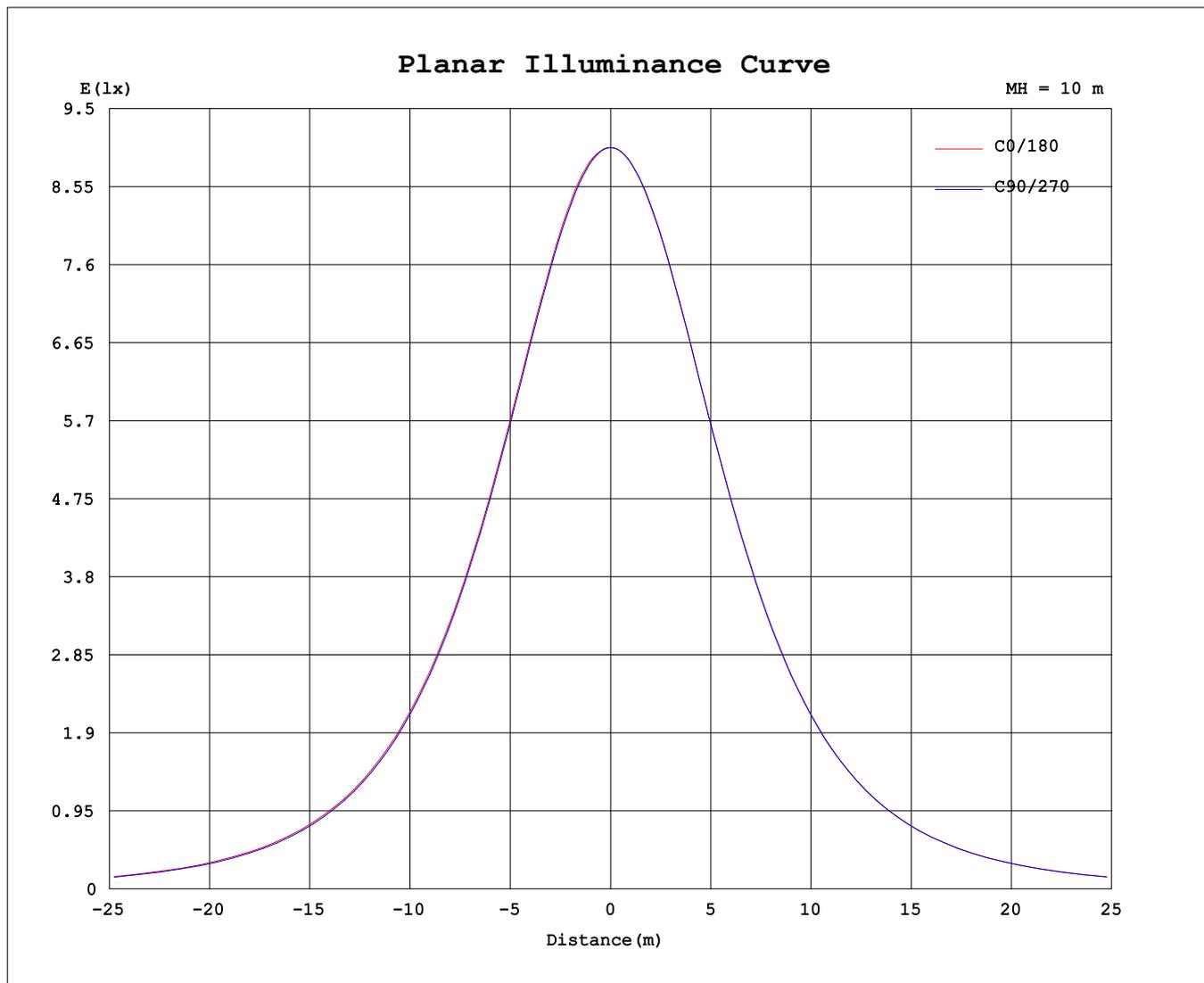
Test:U:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: ϕ 1000mm	SERIAL No.:
MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.	SUR.:	Shielding Angle:



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
Operators: Brooke
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Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
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Test Distance: 26.000m [K=1.3807]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.3674A P:43.74W PF:0.9908 Freq:60.01Hz Lamp Flux:2629.59x1 lm		
NAME: CL28P-30-45S-952C5-MVTD-BK 2700K	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	903	903	903	903	903	903	903	903	903	903	903	903	903	903	903	903			
5	900	900	900	899	899	898	899	899	899	899	899	899	899	899	900	900			
10	891	891	890	888	887	886	886	886	887	887	888	888	888	887	890	891			
15	872	872	871	870	867	866	865	865	866	867	868	868	868	869	871	873			
20	845	845	845	843	840	838	837	837	838	839	839	840	840	842	846	846			
25	811	811	810	808	805	803	802	801	804	803	804	804	805	808	811	812			
30	770	770	769	767	763	761	760	759	762	761	761	761	763	766	770	771			
35	722	723	721	719	715	712	711	710	713	713	712	712	715	718	722	724			
40	669	669	668	665	661	657	657	656	659	658	658	658	660	664	668	671			
45	610	611	609	606	601	598	597	597	599	599	599	598	600	605	610	612			
50	547	547	545	541	537	534	533	533	536	535	535	535	537	541	546	549			
55	480	480	478	474	469	466	466	465	469	469	468	467	470	473	479	482			
60	410	410	408	404	399	396	395	396	400	399	399	398	399	403	409	413			
65	339	338	336	332	327	324	324	326	329	329	328	327	328	332	338	341			
70	267	265	262	259	254	252	253	255	258	258	257	256	256	260	265	269			
75	194	191	188	185	182	181	182	185	188	188	187	185	186	189	194	197			
80	121	117	115	113	111	111	114	117	122	122	121	118	118	120	125	126			
85	49.9	46.8	46.2	46.5	45.9	47.2	50.7	54.2	58.6	60.2	59.9	56.3	53.4	55.6	57.1	55.5			
90	2.30	1.17	2.34	3.15	2.69	3.14	5.65	7.56	9.33	10.7	12.0	11.4	8.12	5.74	6.41	5.36			
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	0.18	0.18	0.09	0.09			
100	0.27	0.36	0.00	0.18	0.27	0.18	0.36	0.18	0.36	0.45	0.27	0.45	0.45	0.27	0.27	0.27			
105	0.27	0.27	0.00	0.18	0.27	0.09	0.27	0.18	0.72	0.63	0.63	0.63	0.63	0.63	0.54	0.54			
110	0.27	0.27	0.18	0.18	0.27	0.09	0.27	0.18	0.90	0.90	0.81	0.81	0.81	0.81	0.81	0.81			
115	0.27	0.27	0.18	0.18	0.27	0.18	0.27	0.36	1.26	1.26	1.17	0.99	1.08	0.99	1.08	1.08			
120	0.27	0.27	0.27	0.27	0.27	0.36	0.54	0.45	1.44	1.53	1.53	0.99	1.08	1.17	1.35	1.35			
125	0.27	0.45	0.45	0.27	0.27	0.45	0.63	0.63	1.62	1.62	1.62	0.99	1.35	1.17	1.62	1.71			
130	0.36	0.81	0.72	0.27	0.27	0.45	0.81	0.72	1.71	1.62	1.62	0.99	1.35	1.17	1.71	1.71			
135	0.36	1.17	0.81	0.27	0.36	0.45	1.26	0.81	1.71	1.62	1.53	1.71	1.35	1.17	1.71	1.62			
140	0.45	1.35	0.81	0.45	0.45	0.54	1.26	0.81	1.71	1.62	1.53	1.71	1.44	1.44	1.53	1.62			
145	0.81	1.35	0.81	1.16	0.63	1.53	1.44	1.17	1.71	1.53	1.44	1.71	1.35	1.53	0.99	1.62			
150	1.26	1.53	0.81	1.44	0.72	1.62	1.08	1.26	1.71	1.53	1.35	1.71	1.26	1.53	0.99	1.53			
155	1.35	1.35	0.81	1.53	0.72	1.80	0.99	1.26	1.71	1.53	1.71	1.71	1.26	1.53	1.53	1.71			
160	1.35	1.35	0.81	1.53	0.72	1.62	0.99	0.90	1.71	1.53	1.80	1.71	1.26	1.53	1.71	1.62			
165	1.35	1.35	0.81	1.35	0.72	1.08	0.99	0.90	1.71	1.53	1.62	1.62	1.26	1.53	1.53	1.44			
170	1.35	1.35	0.81	1.44	0.99	0.90	0.99	1.35	1.71	1.44	1.62	1.44	1.26	1.53	1.44	1.44			
175	1.44	1.26	0.90	1.17	0.99	0.99	0.99	1.53	1.62	1.44	1.53	1.44	1.17	1.08	1.26	0.99			
180	1.44	1.26	0.90	1.17	1.17	1.53	0.99	1.35	1.44	1.44	1.26	0.90	1.17	1.17	1.26	0.99			

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