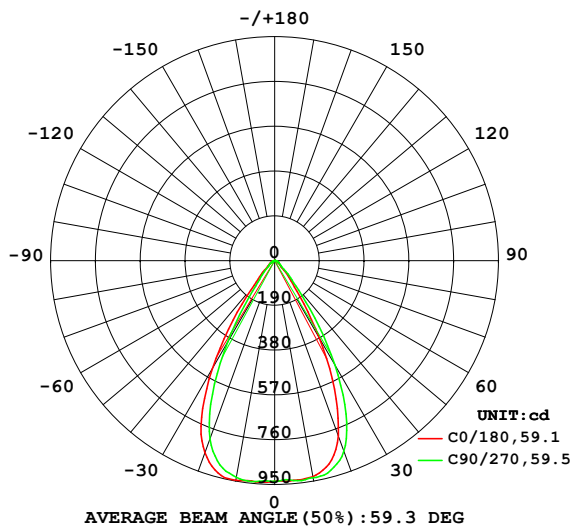


LUMINAIRE PHOTOMETRIC TEST REPORT

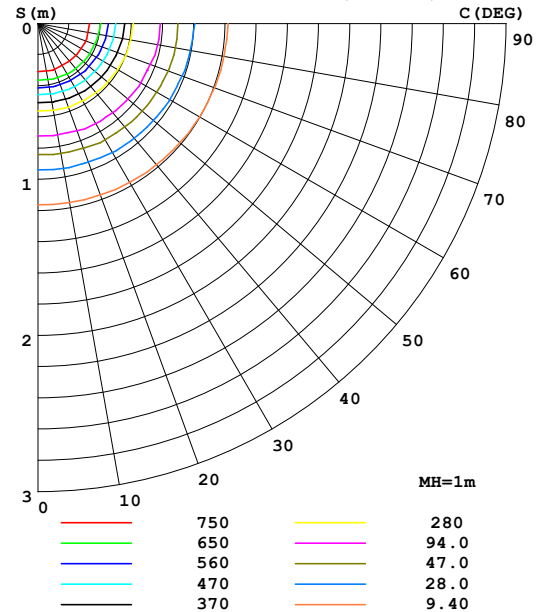
Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.09 lm/W
MODEL		I _{max} (cd)	945.9	S/MH(C0/180)	0.92	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.84	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	900.87	η UP,DN(C0-180)	0.0,51.0	
NOMINAL FLUX(lm)	900.872	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.0	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	240.39	η down(%)	100.0	CIBSE SHR MAX	0.90	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	930.4	935.0	934.5	942.2	945.6	937.4	934.3	933.8	0- 10	89.55	89.55	9.94,9.94
20	789.7	821.6	860.4	874.2	865.3	830.8	804.9	789.9	10- 20	254.0	343.5	38.1,38.1
30	381.9	442.2	510.5	549.5	531.7	464.6	399.7	365.7	20- 30	300.0	643.5	71.4,71.4
40	100.5	120.7	141.8	151.2	136.8	109.5	93.12	90.39	30- 40	159.5	803.0	89.1,89.1
50	31.91	34.64	38.01	38.62	37.32	34.45	32.25	30.96	40- 50	51.48	854.5	94.8,94.8
60	16.86	17.76	19.71	21.13	21.28	19.49	17.89	16.95	50- 60	23.52	878.0	97.5,97.5
70	9.203	10.38	11.71	12.45	12.72	11.77	10.49	9.870	60- 70	14.65	892.6	99.1,99.1
80	1.175	1.814	3.225	4.700	4.845	3.530	1.987	1.182	70- 80	7.415	900.0	99.9,99.9
90	0.0394	0.0270	0.0309	0.0432	0.0506	0.0270	0.0341	0.0358	80- 90	0.8228	900.9	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 835.88 lm

%lum = 92.8%

%lamp = 92.8%

Conical surface Flux(120deg): 877.98 lm

%lum = 97.5%

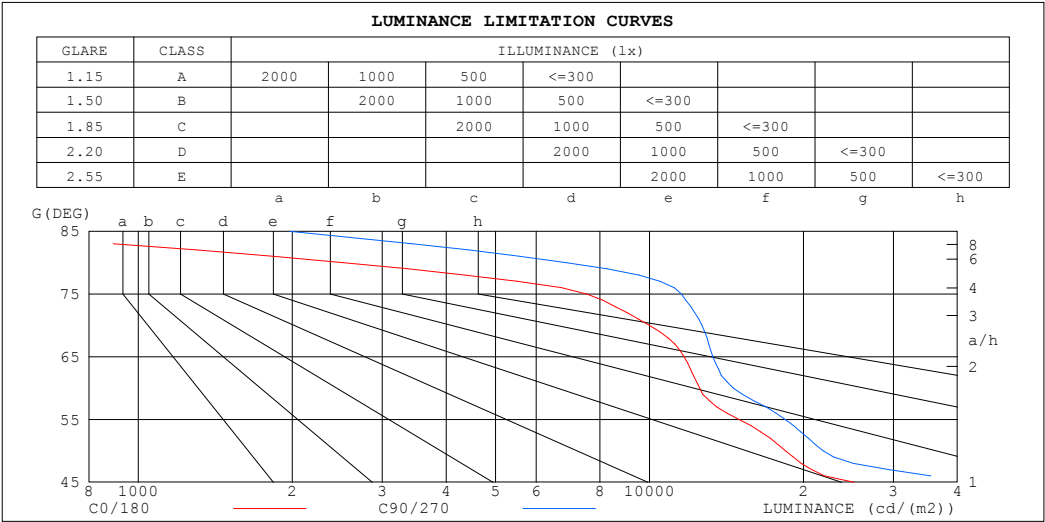
%lamp = 97.5%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	375	1977
80	2515	6873
75	7532	11555
70	10002	12675
65	11676	13302
60	12537	14585
55	14967	18431
50	18454	21881
45	25120	42515

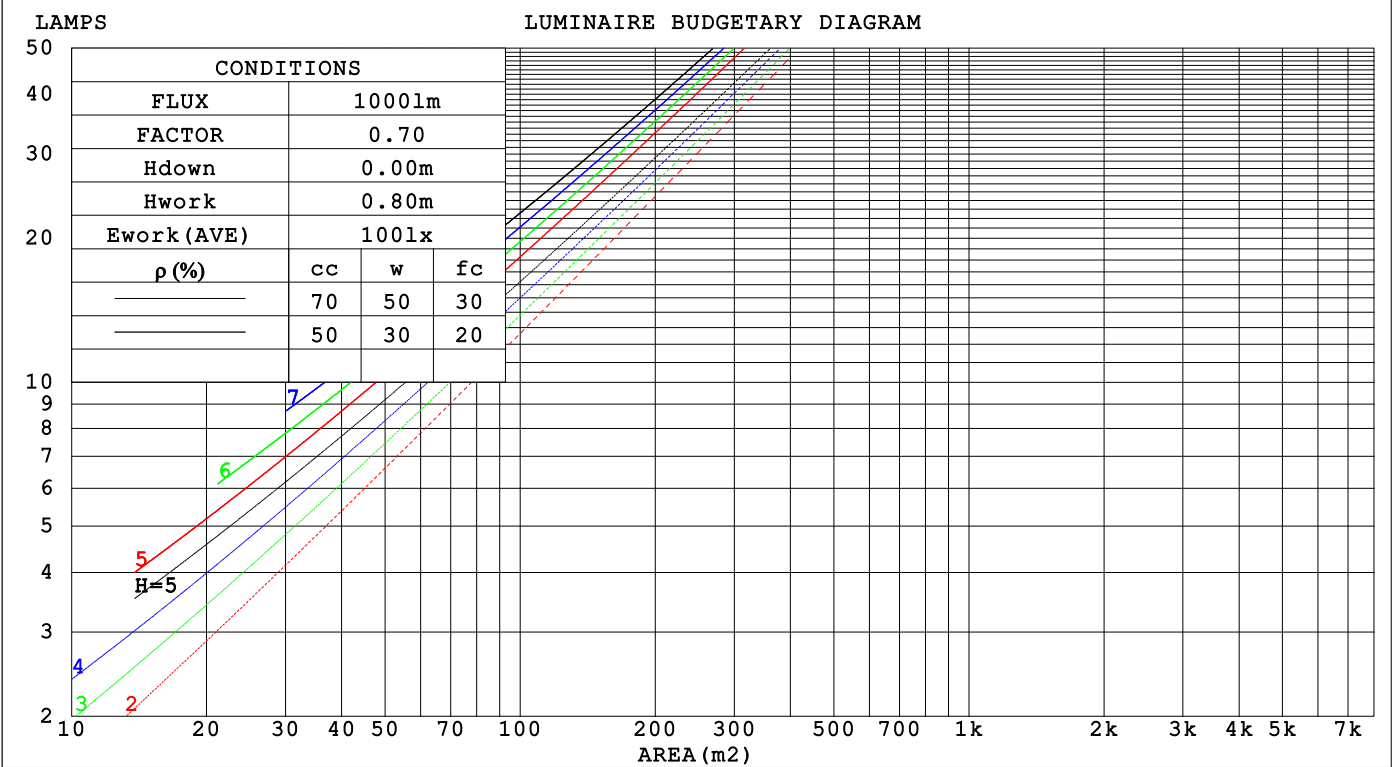
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668		
Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	1.00
1.0	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.94	1.00	.97	.93	.97	.94	.91	.94	.92	.89	.91	.89	.88	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.79	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.67	.77	.71	.67	.75	.70	.66	.74	.69	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.72	.67	.62	.71	.66	.62	.70	.65	.62	.69	.65	.61	.60
8.0	.69	.63	.59	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.64	.59	.55	.63	.58	.55	.63	.58	.54	.62	.57	.54	.53
10.0	.61	.56	.52	.61	.55	.52	.60	.55	.51	.59	.55	.51	.59	.54	.51	.50



C Range: 0 - 360DEG

C Interval: 45.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:2024-08-06

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453

Humidity:65.0%

Test Distance:3.090m [K=1.0000]

Remarks:

WEC AND CCEC

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.187	.106	.034	.180	.103	.033	.168	.096	.031	.156	.090	.029	.145	.084	.027															
2.0	.179	.098	.030	.173	.095	.029	.162	.090	.028	.153	.086	.027	.143	.081	.026															
3.0	.170	.090	.027	.165	.088	.027	.156	.084	.026	.147	.081	.025	.139	.077	.024															
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.141	.076	.023	.135	.073	.022															
5.0	.153	.078	.023	.149	.077	.022	.142	.074	.022	.136	.072	.021	.130	.069	.021															
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.020															
7.0	.138	.068	.019	.136	.068	.019	.130	.066	.019	.125	.064	.019	.120	.063	.018															
8.0	.132	.065	.018	.130	.064	.018	.125	.062	.018	.120	.061	.018	.116	.060	.017															
9.0	.126	.061	.017	.124	.061	.017	.120	.059	.017	.116	.058	.017	.112	.057	.016															
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016															

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.135	.114	.097	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.088	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.071	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.071	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz										
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668					Lamp Flux:900.872x1 lm					
NAME: TR01-12-XX-01 3000K RA90 60D WHITE					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Norming lighting					SUR.: 57mm			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	19.7	20.7	20.0	20.9	21.1	21.0	22.0	21.3	22.2	22.4
3H	20.0	20.9	20.2	21.1	21.3	21.3	22.2	21.5	22.4	22.6
4H	20.0	20.9	20.3	21.1	21.3	21.4	22.2	21.6	22.4	22.7
6H	20.0	20.8	20.3	21.0	21.3	21.4	22.2	21.7	22.4	22.7
8H	20.0	20.7	20.3	21.0	21.2	21.4	22.1	21.7	22.4	22.6
12H	19.9	20.6	20.2	20.9	21.2	21.3	22.1	21.6	22.3	22.6
4H 2H	19.7	20.6	20.0	20.8	21.0	21.0	21.8	21.2	22.0	22.3
3H	20.1	20.9	20.4	21.1	21.4	21.3	22.0	21.6	22.3	22.6
4H	20.2	20.9	20.6	21.2	21.5	21.5	22.1	21.8	22.4	22.8
6H	20.2	20.8	20.6	21.1	21.5	21.5	22.1	21.9	22.5	22.8
8H	20.2	20.7	20.6	21.1	21.4	21.5	22.1	21.9	22.4	22.8
12H	20.1	20.6	20.5	21.0	21.4	21.5	22.0	21.9	22.3	22.7
8H 4H	20.2	20.8	20.6	21.1	21.5	21.4	22.0	21.8	22.3	22.7
6H	20.2	20.7	20.6	21.1	21.5	21.5	22.0	21.9	22.3	22.8
8H	20.2	20.6	20.6	21.0	21.4	21.5	21.9	21.9	22.3	22.7
12H	20.1	20.5	20.6	20.9	21.4	21.4	21.8	21.9	22.2	22.7
12H 4H	20.2	20.7	20.6	21.1	21.5	21.4	21.9	21.8	22.2	22.6
6H	20.2	20.6	20.6	21.0	21.4	21.5	21.8	21.9	22.3	22.7
8H	20.1	20.5	20.6	20.9	21.4	21.4	21.8	21.9	22.2	22.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.3 / - 2.3					+ 2.3 / - 2.4				
1.5H	+ 2.7 / - 1.9					+ 4.0 / - 2.2				
2.0H	+ 1.5 / - 1.0					+ 3.4 / - 1.2				

CIE Pub.117, 900.9 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.4$)
Area: 0.0027 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

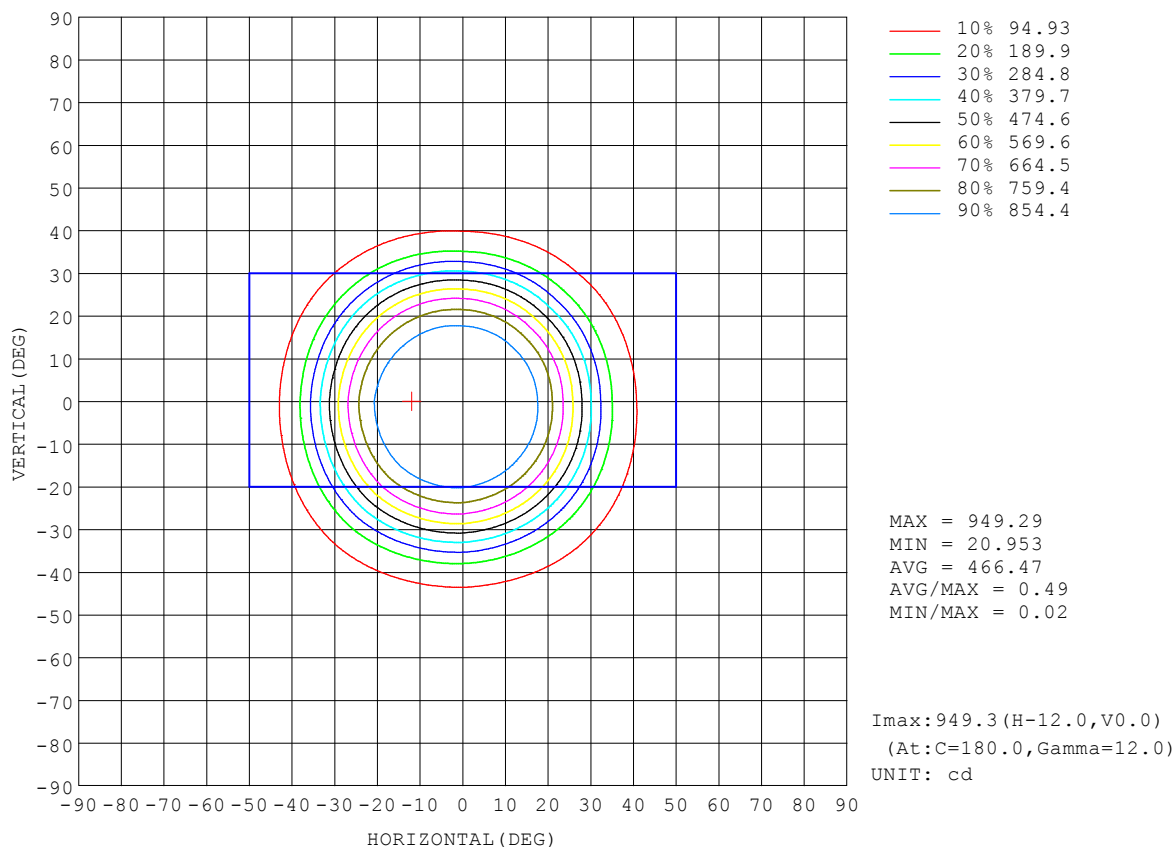
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	91	85	82	78
1.00	97	91	87	96	91	87	95	91	87	82
1.25	102	96	92	100	95	92	98	94	91	87
1.50	104	99	96	103	99	95	101	97	94	89
2.00	107	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
4.00	113	110	108	111	109	106	107	105	104	97
5.00	115	112	110	112	110	109	108	107	105	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-08-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

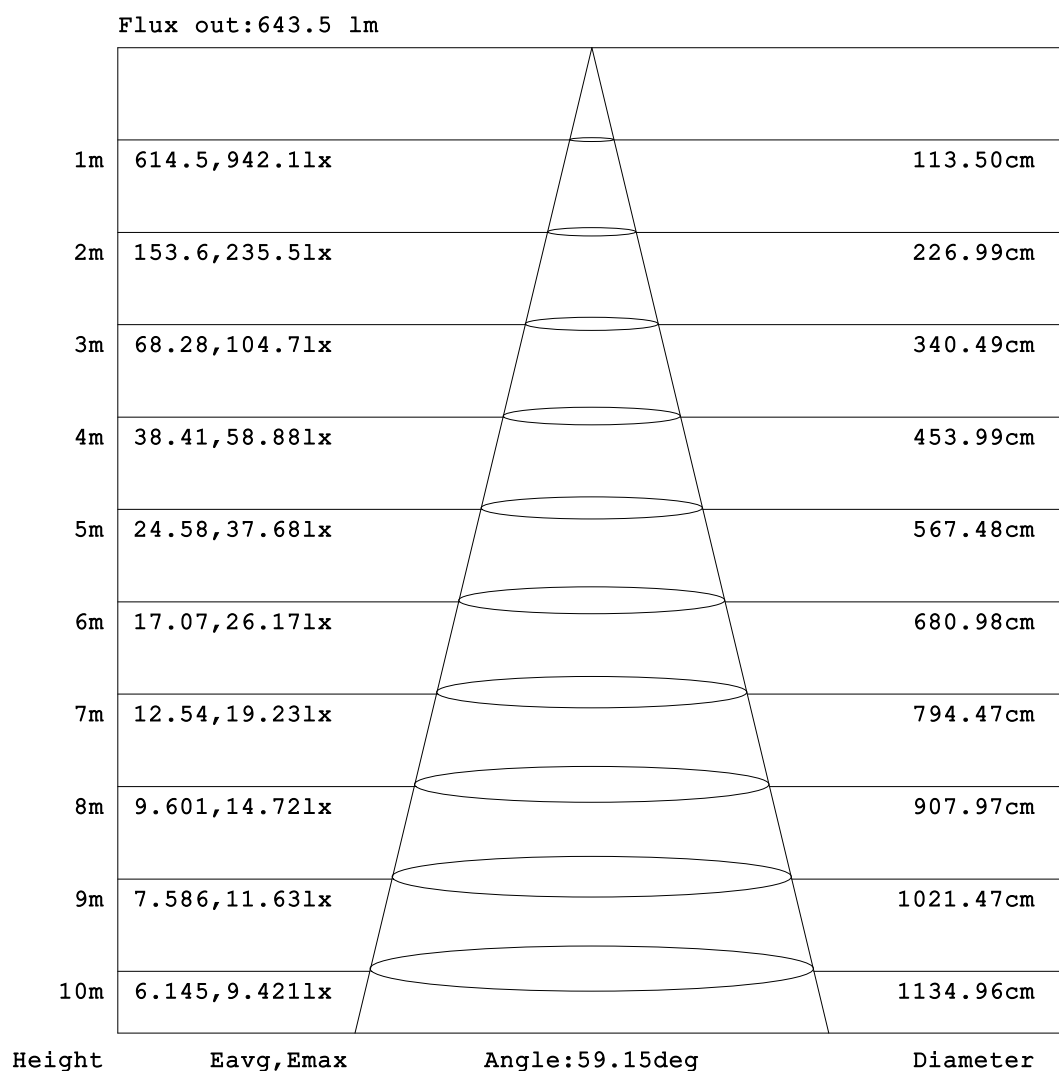


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-08-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:



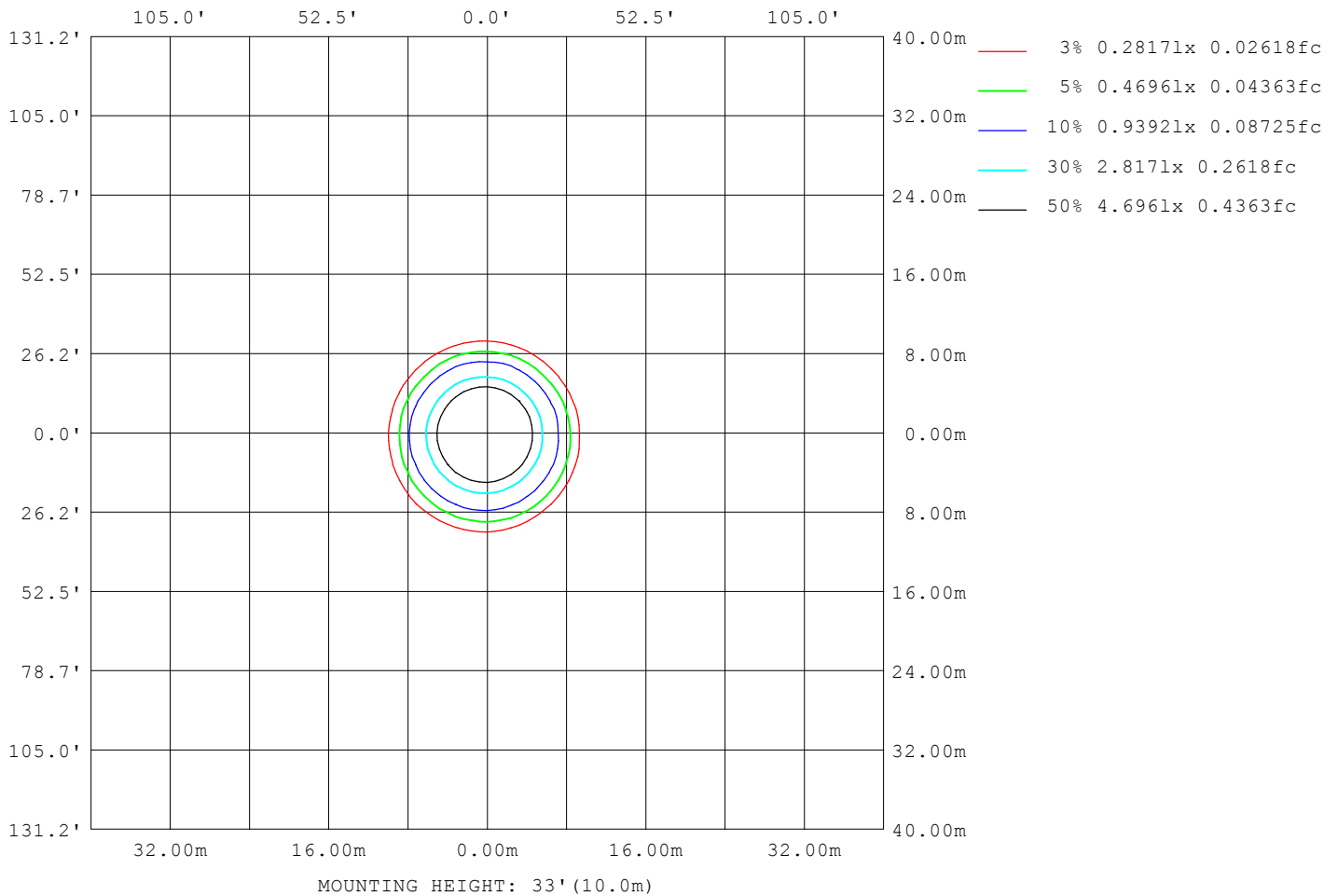
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-08-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-08-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.5V I:0.0546A P:12.5W PF:0.9513 Freq:49.99Hz UTHDi:0.17% ITHDi:18.00% KDisp:0.9668 Lamp Flux:900.872x1 lm		
NAME: TR01-12-XX-01 3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

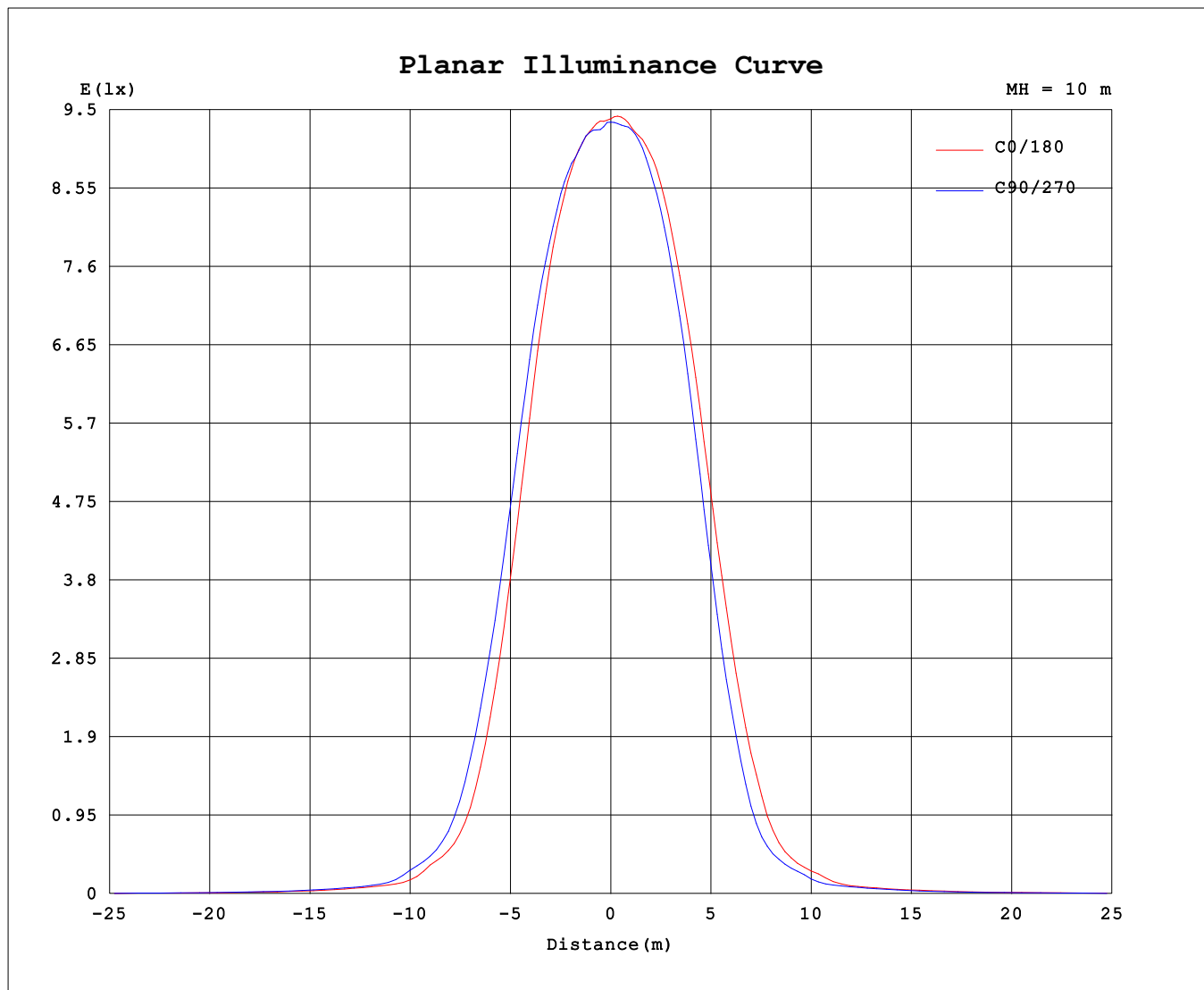
AvgL	cd/m2
L_0~180 (65) av	12920
L_0~180 (75) av	10223
L_0~180 (85) av	2173
L_90~270 (65) av	12955
L_90~270 (75) av	10409
L_90~270 (85) av	1412
L_45 (65) av	12929
L_45 (75) av	10101
L_45 (85) av	1770

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Planar Illuminance Curve



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C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
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Test Date: 2024-08-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
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γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

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Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	935.8	935.8	935.8	935.8	935.8	935.8	935.8	935.8
3.0	936.7	935.2	930.3	934.8	941.6	938.1	936.0	937.1
6.0	935.6	934.6	938.6	940.7	940.1	939.5	941.7	941.9
9.0	932.3	936.0	935.4	941.9	944.9	938.6	938.5	935.5
12.0	919.9	929.1	934.7	945.9	945.9	932.7	921.5	923.5
15.0	893.4	909.5	921.0	928.9	932.6	912.3	896.9	891.9
18.0	842.1	867.6	891.8	904.1	899.2	871.0	849.2	840.7
21.0	756.5	793.7	839.5	856.3	845.5	808.3	775.4	753.5
24.0	642.1	692.2	751.2	781.9	768.4	716.9	667.8	636.6
27.0	514.5	575.0	639.8	675.7	656.7	596.0	537.6	500.9
30.0	381.9	442.2	510.5	549.5	531.7	464.6	399.7	365.7
33.0	259.2	316.3	381.3	414.1	395.0	332.4	272.6	243.8
36.0	162.6	205.2	256.6	289.2	271.5	211.9	160.5	145.6
39.0	111.2	134.5	161.8	179.0	163.0	125.1	103.4	99.12
42.0	84.38	98.54	111.2	114.2	105.2	88.48	75.89	74.88
45.0	47.79	58.79	81.24	83.98	77.86	66.89	50.83	43.83
48.0	35.67	39.05	45.28	51.47	48.92	40.12	35.68	34.36
51.0	30.20	32.72	35.89	36.18	35.44	32.84	30.76	29.34
54.0	24.96	27.24	30.41	30.95	30.51	28.45	26.28	24.50
57.0	19.81	21.54	24.82	26.13	26.07	24.04	21.40	19.74
60.0	16.86	17.76	19.71	21.13	21.28	19.49	17.89	16.95
63.0	14.68	15.52	16.74	17.48	17.66	16.75	15.72	14.88
66.0	12.55	13.44	14.48	15.29	15.50	14.67	13.67	12.84
69.0	10.08	11.21	12.40	13.19	13.43	12.54	11.34	10.59
72.0	7.511	8.673	10.24	10.92	11.28	10.23	8.755	8.515
75.0	5.244	6.318	8.081	8.358	9.043	8.014	6.467	5.543
78.0	2.441	3.454	5.361	6.133	6.861	5.625	3.722	2.451
81.0	0.7720	1.237	2.354	3.665	3.757	2.600	1.387	0.7716
84.0	0.1655	0.3132	0.7316	1.338	1.402	0.8432	0.3544	0.1562
87.0	0.0343	0.0403	0.1548	0.3284	0.3468	0.1689	0.0559	0.0284
90.0	0.0394	0.0270	0.0309	0.0432	0.0506	0.0270	0.0341	0.0358

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