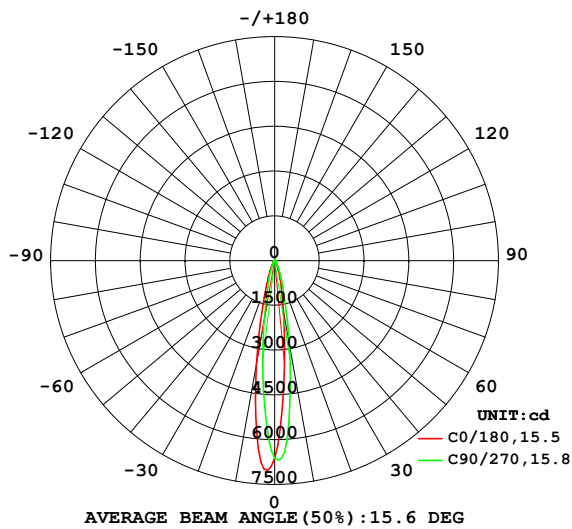


LUMINAIRE PHOTOMETRIC TEST REPORT

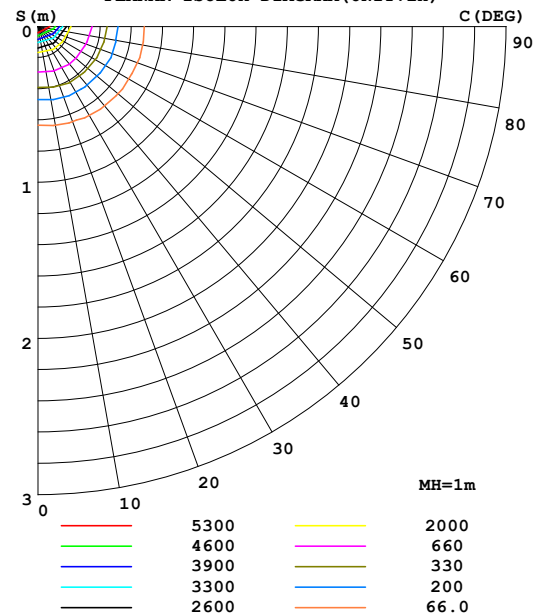
Test:U:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 77.32 lm/W
MODEL		I _{max} (cd)	7061	S/MH (C0/180)	0.35	
NOMINAL POWER(W)	12	LOR (%)	100.0	S/MH (C90/270)	0.24	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	976.19	η UP,DN (C0-180)	0.0,51.3	
NOMINAL FLUX(lm)	976.193	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,48.7	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.39	η down (%)	100.0	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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	1699	2065	2832	3610	3528	2755	2046	1656	0- 10	391.9	391.9	40.1,40.1
20	462.4	561.4	655.6	719.6	688.6	583.6	472.5	422.0	10- 20	334.4	726.2	74.4,74.4
30	137.4	177.3	196.8	193.5	183.2	158.3	130.1	118.4	20- 30	145.6	871.8	89.3,89.3
40	40.99	53.18	55.84	55.14	53.05	48.77	40.45	36.70	30- 40	56.69	928.5	95.1,95.1
50	17.67	18.37	19.25	20.03	20.60	19.36	18.17	17.22	40- 50	22.98	951.4	97.5,97.5
60	9.264	10.20	12.26	13.35	13.46	12.35	10.69	9.274	50- 60	13.72	965.2	98.9,98.9
70	3.731	4.238	5.200	5.788	5.978	5.429	4.572	3.965	60- 70	7.635	972.8	99.7,99.7
80	0.5931	0.8194	1.312	1.783	1.871	1.457	0.9172	0.5779	70- 80	3.009	975.8	100,100
90	0.0352	0.0203	0.0385	0.0246	0.0266	0.0158	0.0275	0.0197	80- 90	0.3807	976.2	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): 942.28 lm

%lum = 96.5%

%lamp = 96.5%

Conical surface Flux(120deg): 965.17 lm

%lum = 98.9%

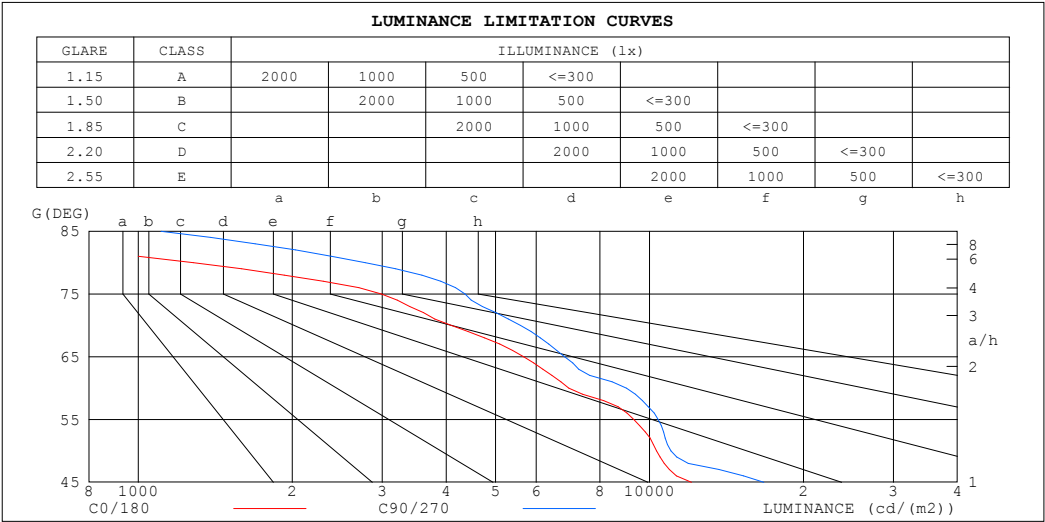
%lamp = 98.9%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	284	1108
80	1281	2777
75	2992	4355
70	4093	5590
65	5673	6825
60	6951	9012
55	9318	10399
50	10314	11009
45	12069	16740

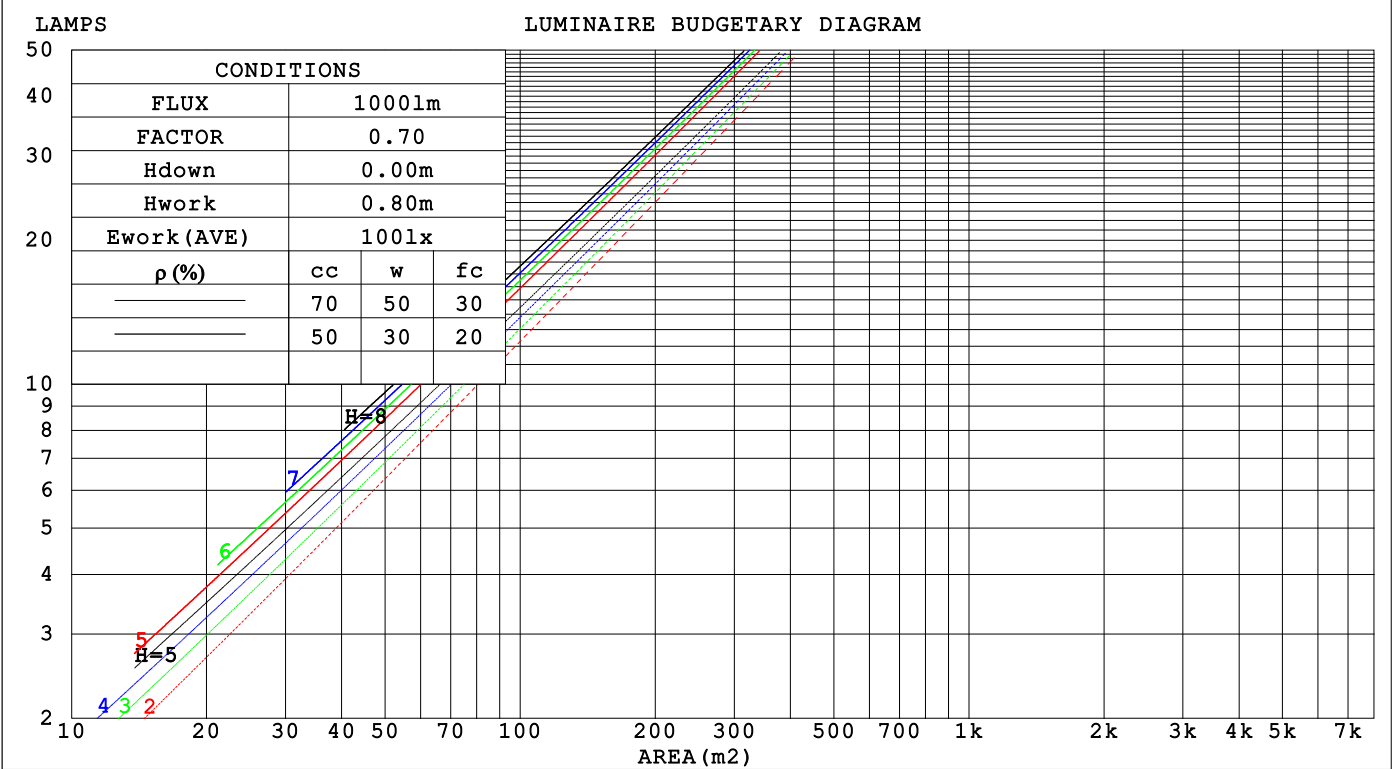
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-06

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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683		
Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D 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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.01	1.05	1.02	1.00	1.02	.00	.98	.99	.97	.96	.97	.95	.94	.92
3.0	1.02	.98	.95	1.01	.97	.95	.98	.95	.93	.96	.94	.92	.94	.92	.90	.89
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.94	.90	.87	.93	.89	.86	.92	.88	.86	.90	.87	.85	.89	.86	.84	.83
6.0	.91	.86	.83	.90	.86	.83	.89	.85	.83	.87	.84	.82	.86	.84	.82	.80
7.0	.88	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.78
8.0	.85	.81	.78	.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.77	.76
9.0	.83	.78	.76	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.74
10.0	.80	.76	.74	.80	.76	.73	.79	.76	.73	.79	.75	.73	.78	.75	.73	.72



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz			UTHDi:0.16% ITHDi:18.28% KDisp:0.9683			Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D 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	.143	.081	.026	.137	.078	.025	.124	.071	.023	.113	.065	.021	.102	.059	.019	
2.0	.133	.073	.022	.128	.070	.022	.118	.065	.020	.108	.061	.019	.099	.056	.018	
3.0	.124	.066	.020	.120	.064	.019	.111	.060	.018	.103	.057	.017	.096	.053	.016	
4.0	.116	.060	.018	.113	.059	.017	.105	.056	.017	.099	.053	.016	.092	.050	.015	
5.0	.109	.056	.016	.106	.054	.016	.100	.052	.015	.094	.050	.015	.089	.047	.014	
6.0	.103	.052	.015	.100	.051	.015	.095	.049	.014	.090	.047	.014	.085	.045	.013	
7.0	.098	.048	.014	.095	.047	.014	.091	.046	.013	.086	.044	.013	.082	.043	.013	
8.0	.093	.045	.013	.091	.045	.013	.086	.043	.012	.083	.042	.012	.079	.041	.012	
9.0	.088	.043	.012	.086	.042	.012	.083	.041	.012	.079	.040	.011	.076	.039	.011	
10.0	.084	.040	.011	.083	.040	.011	.079	.039	.011	.076	.038	.011	.074	.037	.011	

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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.129	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.013	
3.0	.136	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.107	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.114	.086	.065	.098	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.041	.078	.053	.035	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.085	.055	.035	.073	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.080	.051	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz										
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm										
NAME: TR01-12-XX-01 3000K RA90 15D 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	13.9	14.6	14.1	14.8	14.9	14.9	15.6	15.1	15.7	15.9
3H	14.2	14.8	14.4	15.0	15.2	15.2	15.8	15.4	16.0	16.2
4H	14.2	14.8	14.5	15.0	15.3	15.3	15.9	15.5	16.1	16.3
6H	14.2	14.8	14.5	15.0	15.2	15.3	15.8	15.6	16.1	16.3
8H	14.1	14.7	14.4	14.9	15.2	15.2	15.8	15.5	16.0	16.3
12H	14.1	14.6	14.4	14.9	15.2	15.2	15.7	15.5	16.0	16.3
4H 2H	14.1	14.7	14.3	14.9	15.1	14.9	15.5	15.2	15.7	16.0
3H	14.4	14.9	14.7	15.2	15.5	15.3	15.8	15.6	16.1	16.4
4H	14.5	15.0	14.8	15.2	15.5	15.4	15.9	15.8	16.2	16.5
6H	14.4	14.9	14.8	15.2	15.5	15.5	15.9	15.8	16.2	16.6
8H	14.4	14.8	14.8	15.1	15.5	15.4	15.8	15.8	16.2	16.5
12H	14.3	14.7	14.7	15.1	15.4	15.4	15.7	15.8	16.1	16.5
8H 4H	14.4	14.8	14.8	15.2	15.5	15.3	15.8	15.7	16.1	16.5
6H	14.4	14.7	14.8	15.1	15.5	15.4	15.7	15.8	16.1	16.5
8H	14.3	14.6	14.8	15.0	15.5	15.4	15.7	15.8	16.1	16.5
12H	14.3	14.5	14.7	15.0	15.4	15.3	15.6	15.8	16.0	16.5
12H 4H	14.4	14.7	14.8	15.1	15.5	15.3	15.7	15.7	16.0	16.4
6H	14.3	14.6	14.8	15.0	15.5	15.3	15.6	15.8	16.0	16.5
8H	14.3	14.5	14.7	15.0	15.4	15.3	15.6	15.8	16.0	16.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.1 / - 1.7					+ 1.6 / - 1.9				
1.5H	+ 2.1 / - 1.2					+ 3.0 / - 1.6				
2.0H	+ 1.0 / - 1.3					+ 2.0 / - 1.4				

CIE Pub.117, 976.2 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.1$)
Area: 0.0027 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

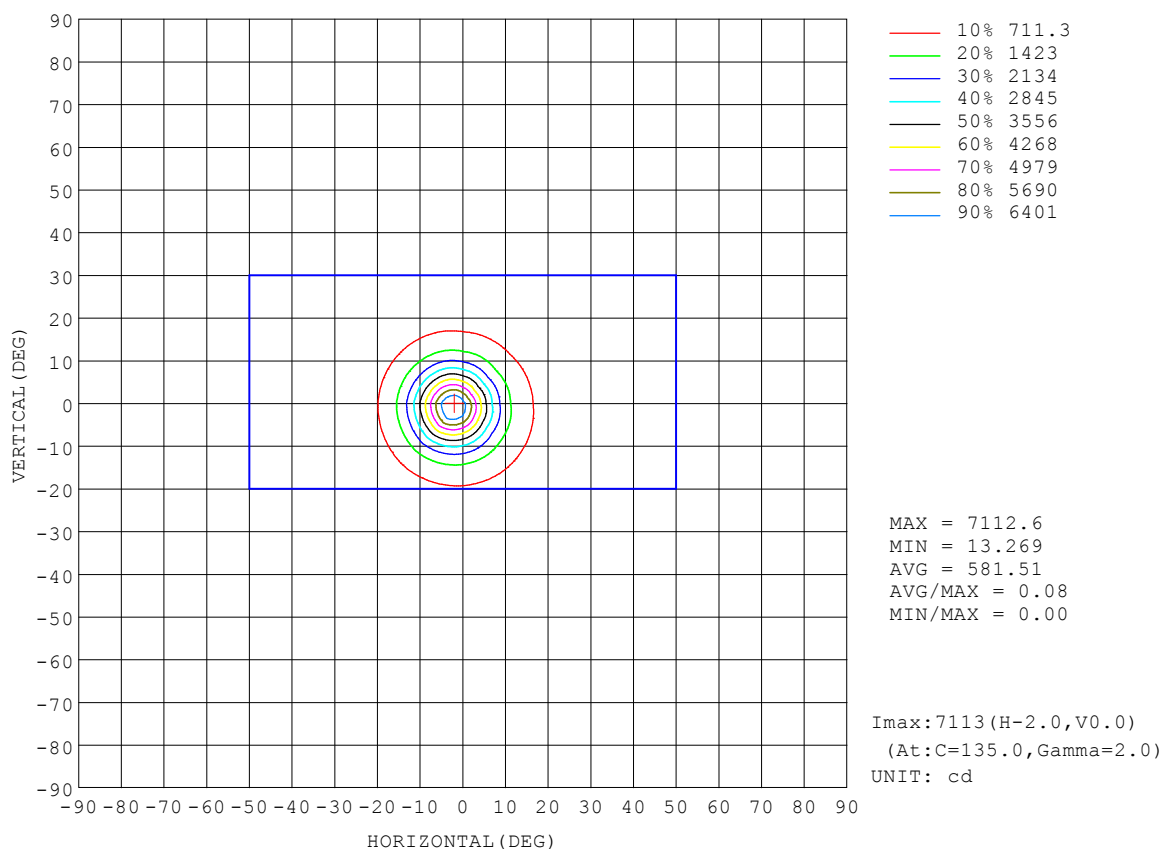
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	82	79	88	82	79	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	95	91	99	94	91	98	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
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: MEDIUM
 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:

ISOCANDELA DIAGRAM

Test:U:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

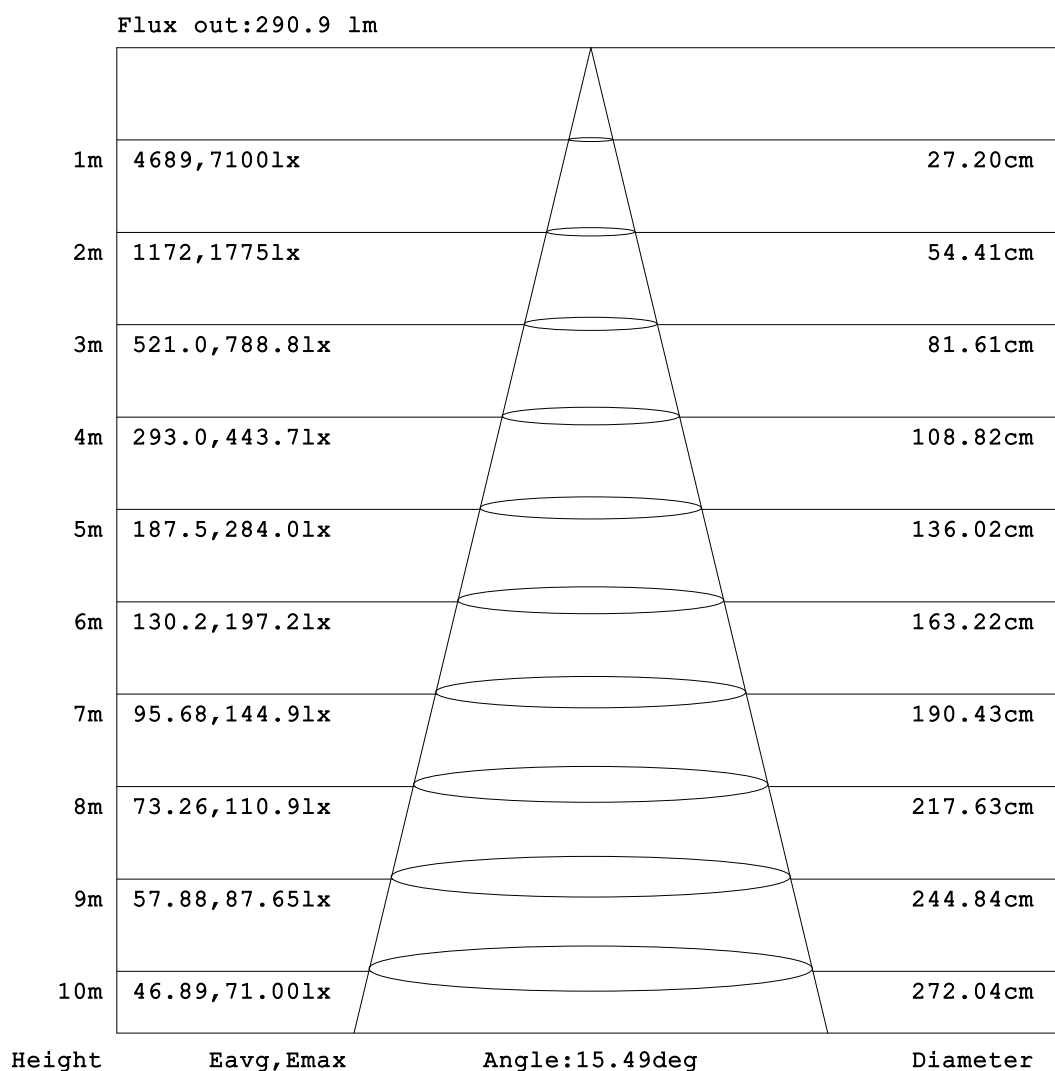


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-08-06

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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:



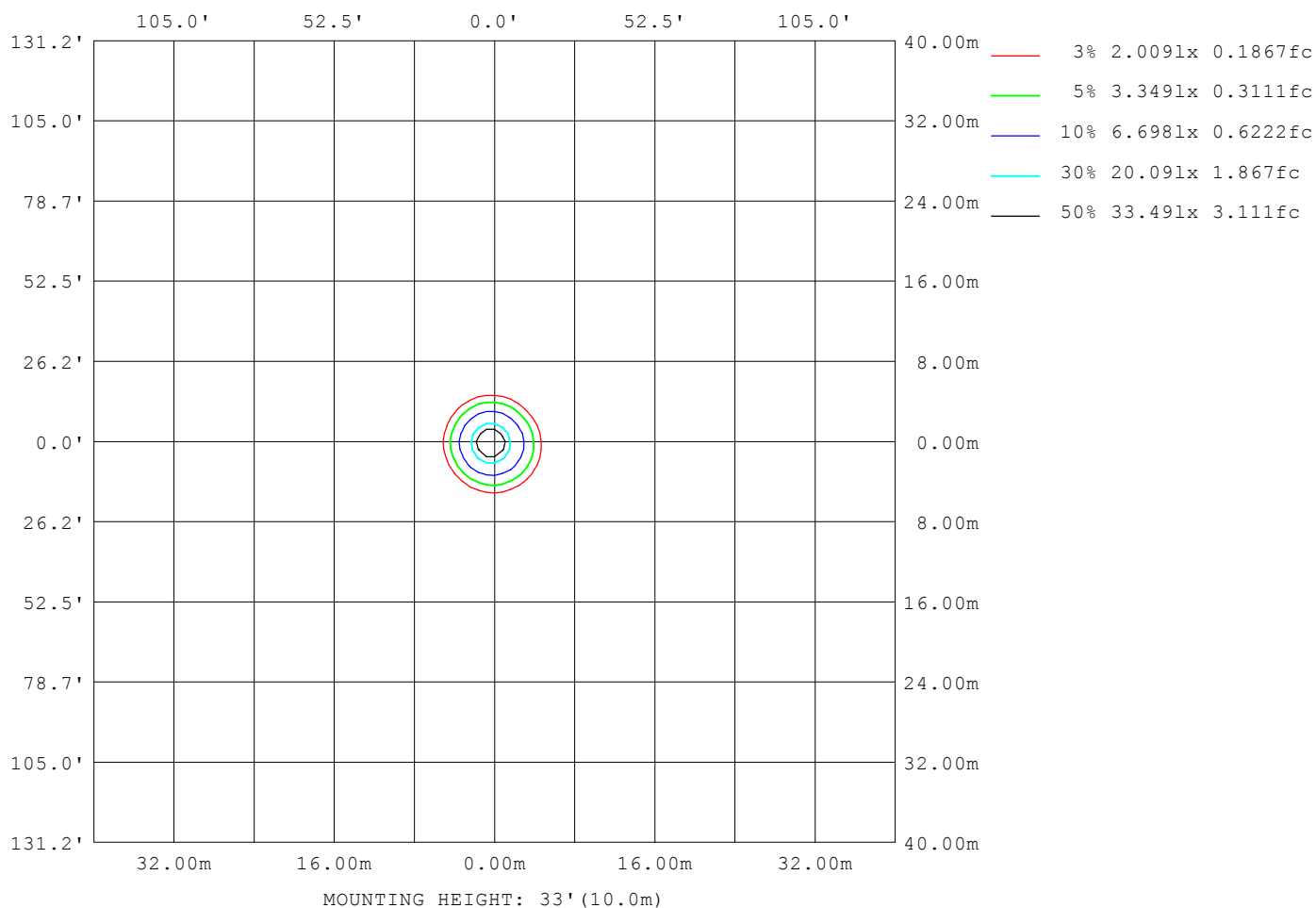
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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:240.4V I:0.0552A P:12.6W PF:0.9517 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.28% KDisp:0.9683 Lamp Flux:976.193x1 lm		
NAME: TR01-12-XX-01 3000K RA90 15D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 57mm	Shielding Angle:

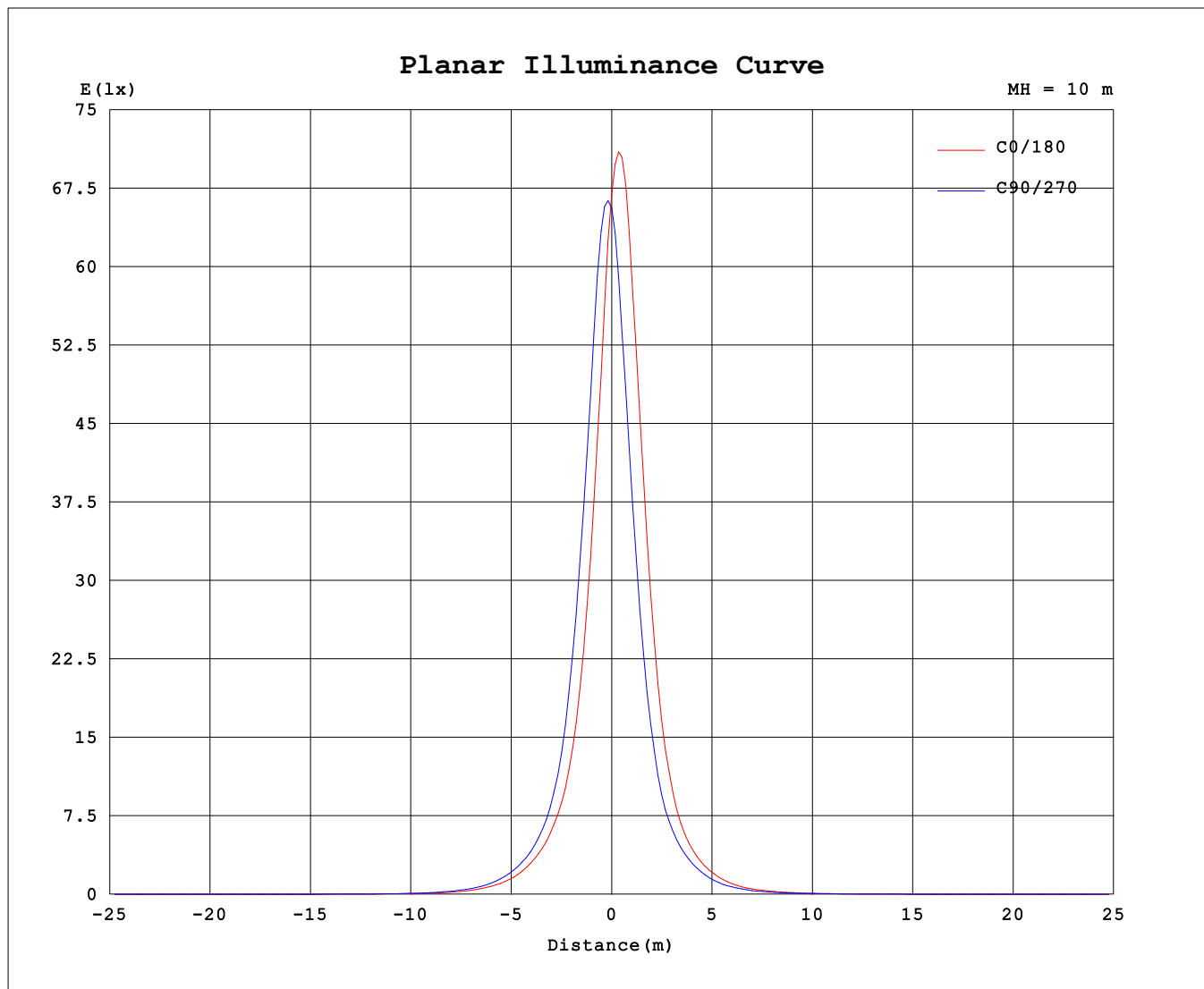
AvgL	cd/m2
L_0~180 (65) av	6624
L_0~180 (75) av	4026
L_0~180 (85) av	1127
L_90~270 (65) av	6641
L_90~270 (75) av	4057
L_90~270 (85) av	827
L_45 (65) av	6609
L_45 (75) av	3941
L_45 (85) av	899

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
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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Test Speed: MEDIUM
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:

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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	6613	6613	6613	6613	6613	6613	6613	6613
3.0	4923	5485	6416	7055	6983	6304	5428	4891
6.0	3225	3806	4879	5975	5785	4851	3814	3209
9.0	1993	2419	3291	4174	4081	3217	2409	1956
12.0	1250	1520	2067	2634	2547	1963	1473	1211
15.0	841.5	999.1	1280	1580	1521	1205	908.2	798.5
18.0	582.8	704.5	842.7	962.7	930.5	762.0	609.5	542.5
21.0	412.4	502.5	581.0	627.4	600.3	512.9	417.7	374.0
24.0	289.0	359.7	409.6	422.6	407.0	354.6	287.1	256.1
27.0	199.6	254.6	287.3	289.4	275.5	237.1	193.7	172.5
30.0	137.4	177.3	196.8	193.5	183.2	158.3	130.1	118.4
33.0	94.84	124.0	133.6	129.9	123.3	108.4	89.12	82.57
36.0	64.75	84.76	92.55	89.50	84.97	76.43	61.72	56.48
39.0	45.81	59.41	62.97	61.80	59.42	54.02	44.64	40.68
42.0	32.98	42.43	44.50	44.23	43.00	40.18	33.81	30.21
45.0	22.75	29.05	32.20	32.73	32.90	30.63	25.94	21.49
48.0	19.05	19.89	21.67	24.96	25.22	22.39	19.64	18.51
51.0	17.07	17.73	18.54	19.21	19.48	18.55	17.57	16.67
54.0	14.98	15.71	16.86	17.16	17.41	16.68	15.82	14.68
57.0	12.60	13.42	14.74	15.49	15.65	14.66	13.62	12.46
60.0	9.264	10.20	12.26	13.35	13.46	12.35	10.69	9.274
63.0	7.483	8.054	8.979	10.12	10.25	9.283	8.434	7.591
66.0	5.852	6.409	7.283	7.958	8.128	7.596	6.769	6.003
69.0	4.215	4.777	5.717	6.316	6.500	5.971	5.119	4.426
72.0	2.977	3.325	4.205	4.724	4.932	4.367	3.608	3.300
75.0	2.064	2.387	3.066	3.263	3.563	3.201	2.603	2.166
78.0	1.069	1.388	2.029	2.341	2.610	2.209	1.549	1.066
81.0	0.4167	0.6005	1.015	1.426	1.494	1.126	0.6775	0.4005
84.0	0.1099	0.1737	0.3940	0.6110	0.6556	0.4293	0.2083	0.0871
87.0	0.0371	0.0244	0.0991	0.1728	0.1878	0.0916	0.0443	0.0197
90.0	0.0352	0.0203	0.0385	0.0246	0.0266	0.0158	0.0275	0.0197

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