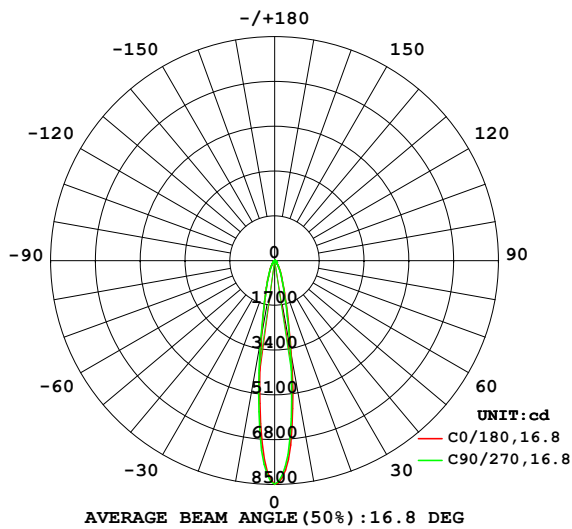


LUMINAIRE PHOTOMETRIC TEST REPORT

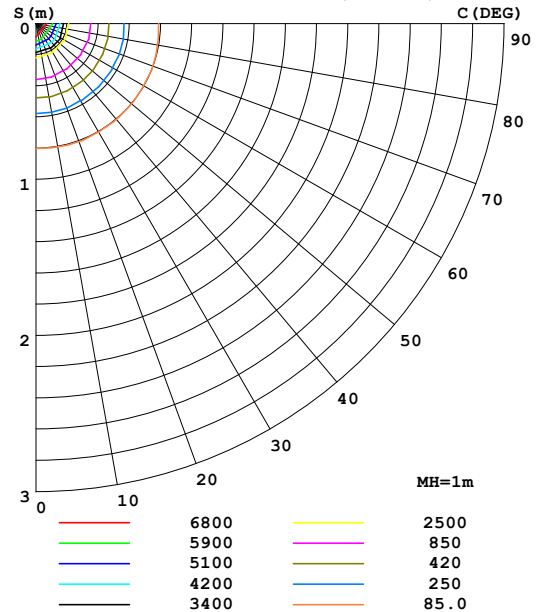
Test:U:240.4V I:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz		
UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 81.38 lm/W
MODEL		I _{max} (cd)	8476	S/MH(C0/180)	0.27	
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.28	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1494.4	η UP,DN(C0-180)	0.0,52.8	
NOMINAL FLUX(lm)	1494.39	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.2	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.37	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:2024-09-04

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	3692	3663	3458	3194	2886	2898	3081	3376	0- 10	517.3	517.3	34.6,34.6
20	922.5	925.7	889.1	848.6	786.2	750.9	775.4	849.5	10- 20	447.8	965.1	64.6,64.6
30	371.5	370.1	350.4	330.7	306.2	289.3	299.9	334.0	20- 30	244.0	1209	80.9,80.9
40	159.5	159.9	149.4	141.3	132.4	126.3	130.4	143.6	30- 40	137.5	1347	90.1,90.1
50	76.59	76.52	72.54	71.18	67.67	66.03	64.31	70.58	40- 50	77.39	1424	95.3,95.3
60	39.06	38.98	36.53	34.96	33.17	32.52	33.36	36.72	50- 60	45.81	1470	98.4,98.4
70	9.359	9.416	8.477	7.852	7.405	7.161	7.703	8.931	60- 70	20.65	1491	99.7,99.7
80	1.443	1.400	1.395	1.314	1.346	1.323	1.361	1.417	70- 80	3.341	1494	100,100
90	0.0511	0.0343	0.0583	0.0358	0.0374	0.0337	0.0476	0.0339	80- 90	0.4883	1494	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): 1390.5 lm

%lum = 93.1%

%lamp = 93.1%

Conical surface Flux(120deg): 1469.9 lm

%lum = 98.4%

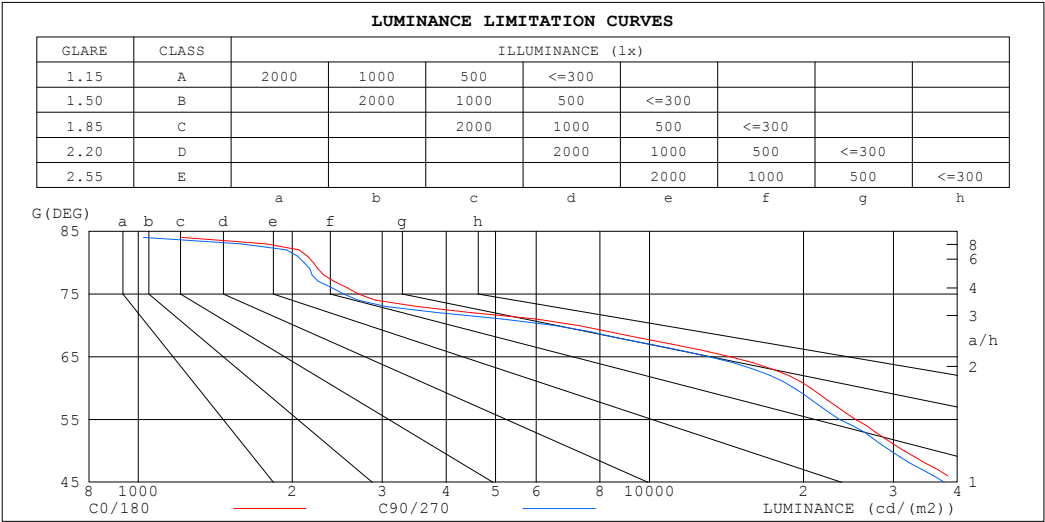
%lamp = 98.4%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-04

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:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz		
UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	720	689
80	2199	2110
75	2694	2522
70	7239	6510
65	14382	13087
60	20667	19192
55	25294	23548
50	31523	29643
45	40475	37734

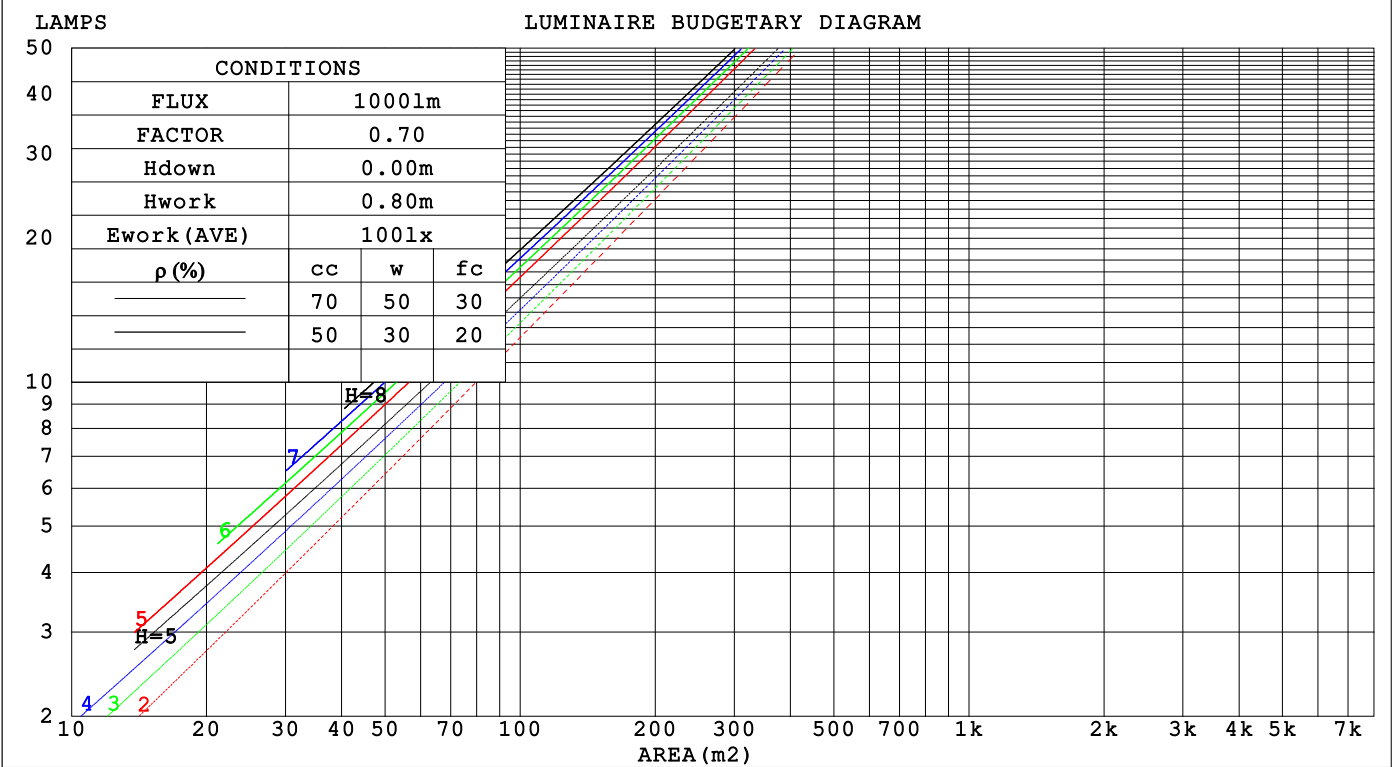
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-04

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:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz		
UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	.00	.96	.92	.98	.95	.91	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.90	.87	.94	.89	.86	.92	.88	.85	.90	.87	.84	.88	.85	.83	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.87	.82	.78	.86	.81	.78	.85	.80	.77	.83	.80	.77	.82	.79	.76	.75
7.0	.83	.78	.75	.83	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.72
8.0	.80	.75	.72	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70
9.0	.77	.73	.70	.77	.72	.69	.76	.72	.69	.75	.72	.69	.75	.71	.69	.68
10.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.67	.66



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-04

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:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz			UTHDi:0.17% ITHDi:7.95% KDisp:0.9497			Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 70mm			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	.157	.089	.028	.150	.086	.027	.137	.079	.025	.126	.073	.023	.115	.067	.022															
2.0	.148	.081	.025	.142	.078	.024	.132	.073	.023	.123	.069	.022	.114	.064	.020															
3.0	.139	.074	.022	.134	.072	.022	.126	.068	.021	.118	.064	.020	.110	.061	.019															
4.0	.131	.068	.020	.127	.066	.020	.119	.063	.019	.112	.060	.018	.106	.058	.018															
5.0	.123	.063	.018	.120	.062	.018	.113	.059	.017	.107	.057	.017	.102	.054	.016															
6.0	.116	.058	.017	.113	.057	.016	.108	.055	.016	.103	.053	.016	.098	.051	.015															
7.0	.110	.054	.015	.108	.054	.015	.103	.052	.015	.098	.050	.015	.094	.049	.014															
8.0	.105	.051	.014	.102	.050	.014	.098	.049	.014	.094	.048	.014	.090	.046	.013															
9.0	.100	.048	.013	.098	.048	.013	.094	.046	.013	.090	.045	.013	.087	.044	.013															
10.0	.095	.046	.013	.093	.045	.013	.090	.044	.012	.087	.043	.012	.083	.042	.012															

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.075	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.059	.039	.061	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.096	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.057	.034	.077	.049	.030	.054	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-04

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:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz											
UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm											
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: Norming lighting						SUR.: 70mm		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		20.0	20.8	20.2	20.9	21.1	19.7	20.5	19.9	20.7	20.8
	3H	20.1	20.8	20.4	21.0	21.2	19.8	20.5	20.1	20.7	20.9
	4H	20.1	20.7	20.3	21.0	21.2	19.8	20.4	20.0	20.7	20.9
	6H	20.0	20.6	20.3	20.9	21.1	19.7	20.3	20.0	20.6	20.8
	8H	19.9	20.6	20.2	20.8	21.1	19.6	20.3	19.9	20.5	20.8
	12H	19.9	20.5	20.2	20.8	21.0	19.6	20.2	19.9	20.5	20.7
4H	2H	20.1	20.8	20.4	21.0	21.2	19.9	20.5	20.1	20.8	21.0
	3H	20.2	20.8	20.5	21.1	21.4	20.0	20.6	20.3	20.8	21.1
	4H	20.2	20.7	20.5	21.0	21.3	19.9	20.4	20.2	20.7	21.0
	6H	20.1	20.6	20.4	20.9	21.2	19.8	20.3	20.2	20.6	21.0
	8H	20.0	20.5	20.4	20.8	21.2	19.8	20.2	20.1	20.6	20.9
	12H	20.0	20.4	20.4	20.8	21.1	19.7	20.1	20.1	20.5	20.9
8H	4H	20.0	20.5	20.4	20.8	21.2	19.8	20.2	20.2	20.6	20.9
	6H	19.9	20.3	20.4	20.7	21.1	19.7	20.0	20.1	20.4	20.9
	8H	19.9	20.2	20.3	20.6	21.1	19.6	20.0	20.1	20.4	20.8
	12H	19.8	20.1	20.3	20.6	21.0	19.6	19.9	20.0	20.3	20.8
12H	4H	20.0	20.4	20.4	20.8	21.1	19.7	20.1	20.1	20.5	20.9
	6H	19.9	20.2	20.3	20.6	21.1	19.6	20.0	20.1	20.4	20.8
	8H	19.8	20.1	20.3	20.6	21.0	19.6	19.9	20.0	20.3	20.8
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.2 / - 1.9					+ 1.3 / - 2.0				
1.5H		+ 1.8 / - 1.0					+ 1.5 / - 1.0				
2.0H		+ 2.0 / - 1.8					+ 1.9 / - 1.8				

CIE Pub.117, 1494 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.4$)
Area: 0.0038 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-04

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:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

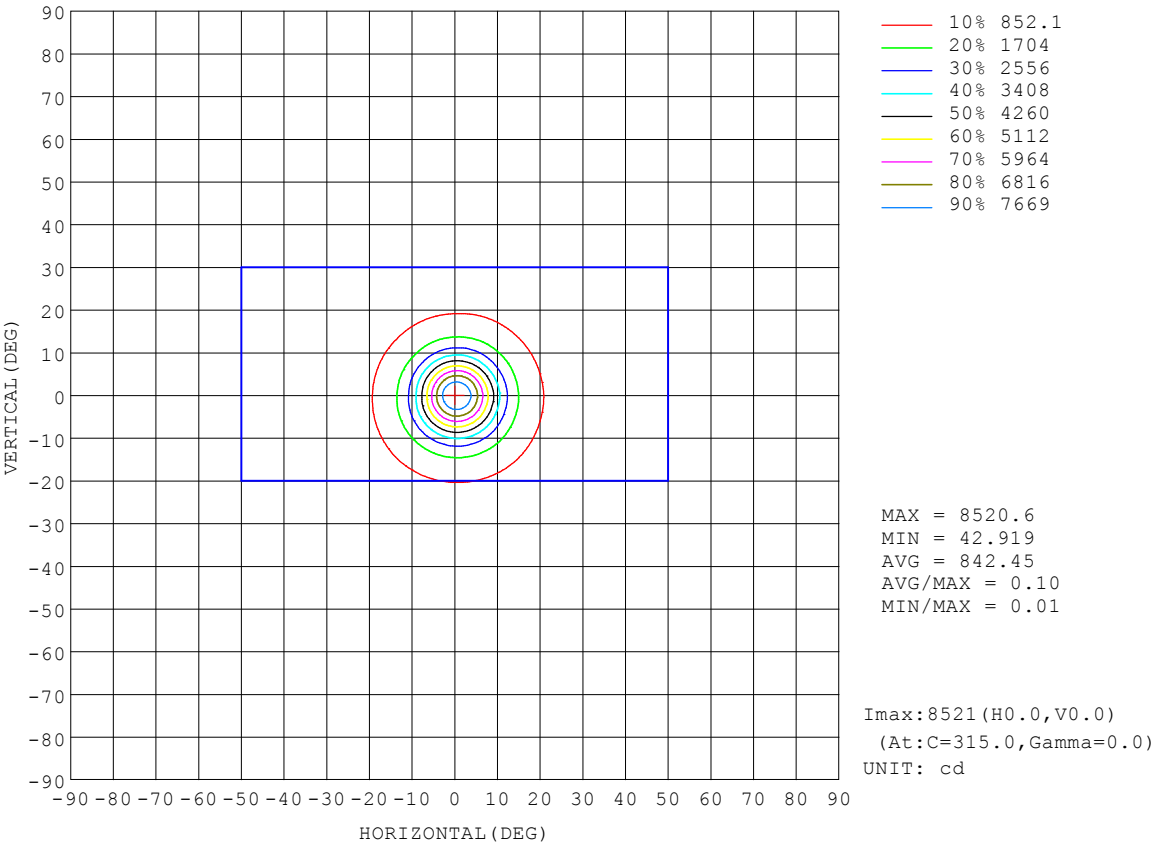
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	79	75	85	78	74	84	78	74	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	97	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	104	100	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	109	109	107	106	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: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-04

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:240.4V I:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz		
UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

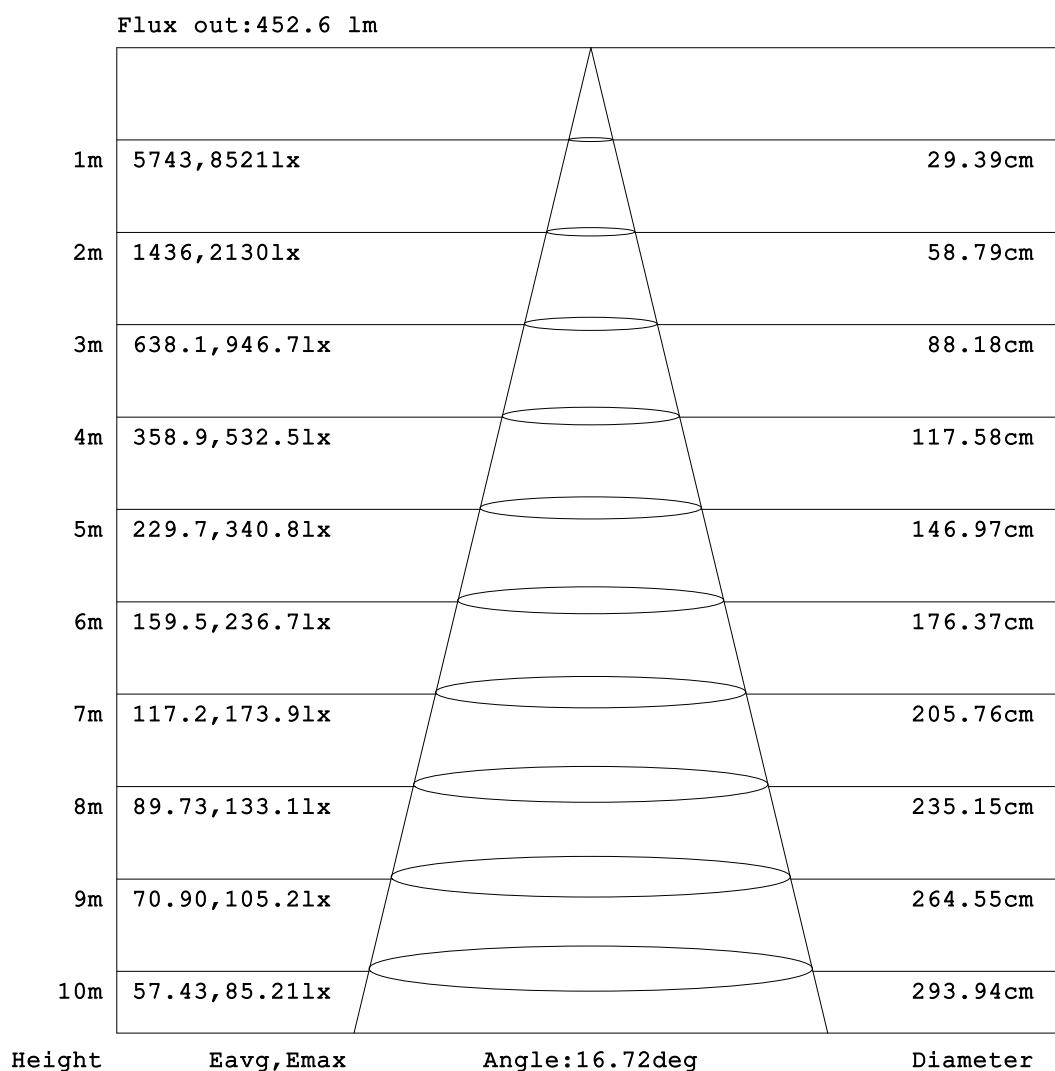


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-04

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:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

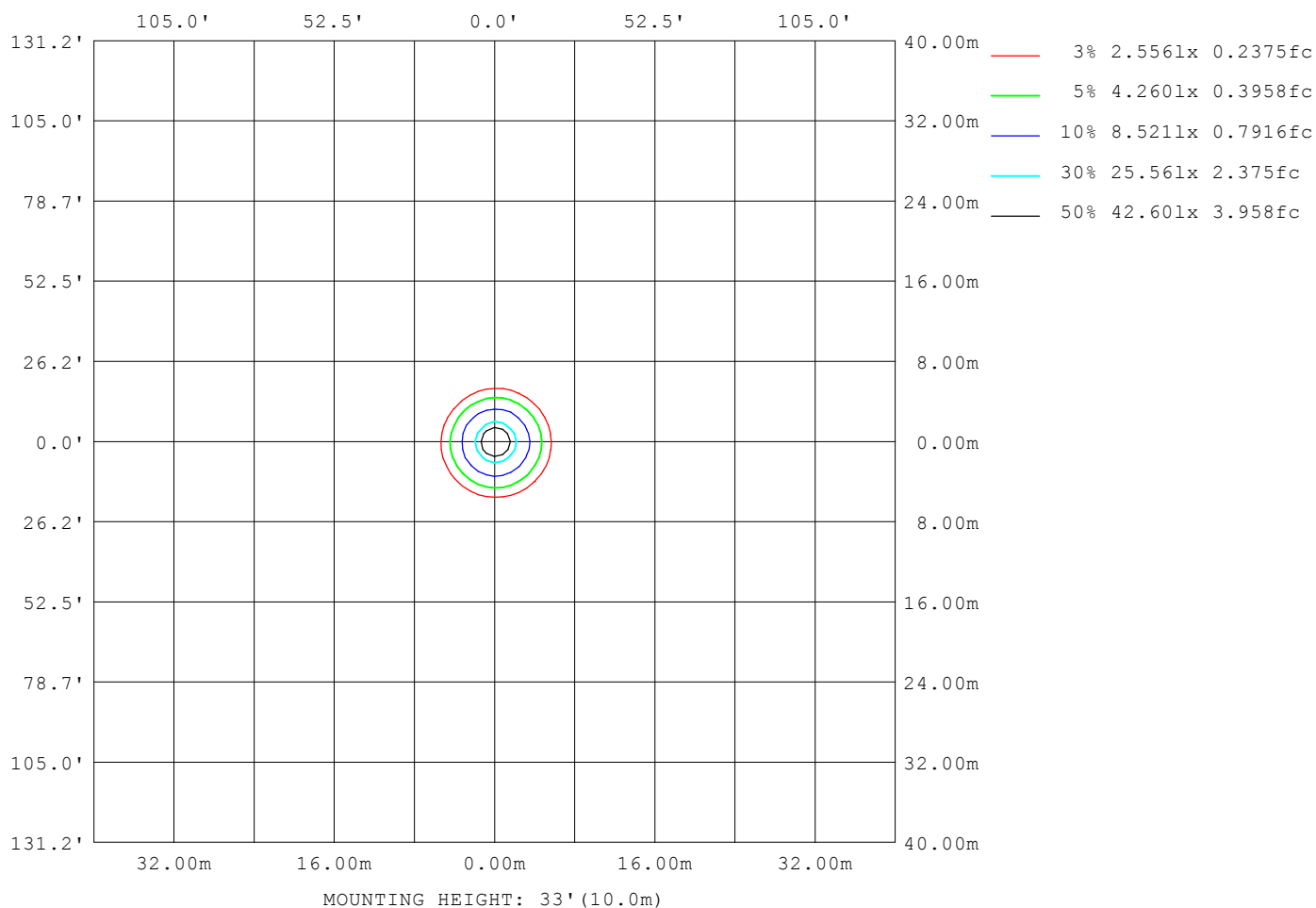


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.4V I:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-04

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:0.0807A P:18.4W PF:0.9465 Freq:49.99Hz UTHDi:0.17% ITHDi:7.95% KDisp:0.9497 Lamp Flux:1494.39x1 lm		
NAME: TR11-20-TW-02+白色防眩环 6500K RA90 15D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

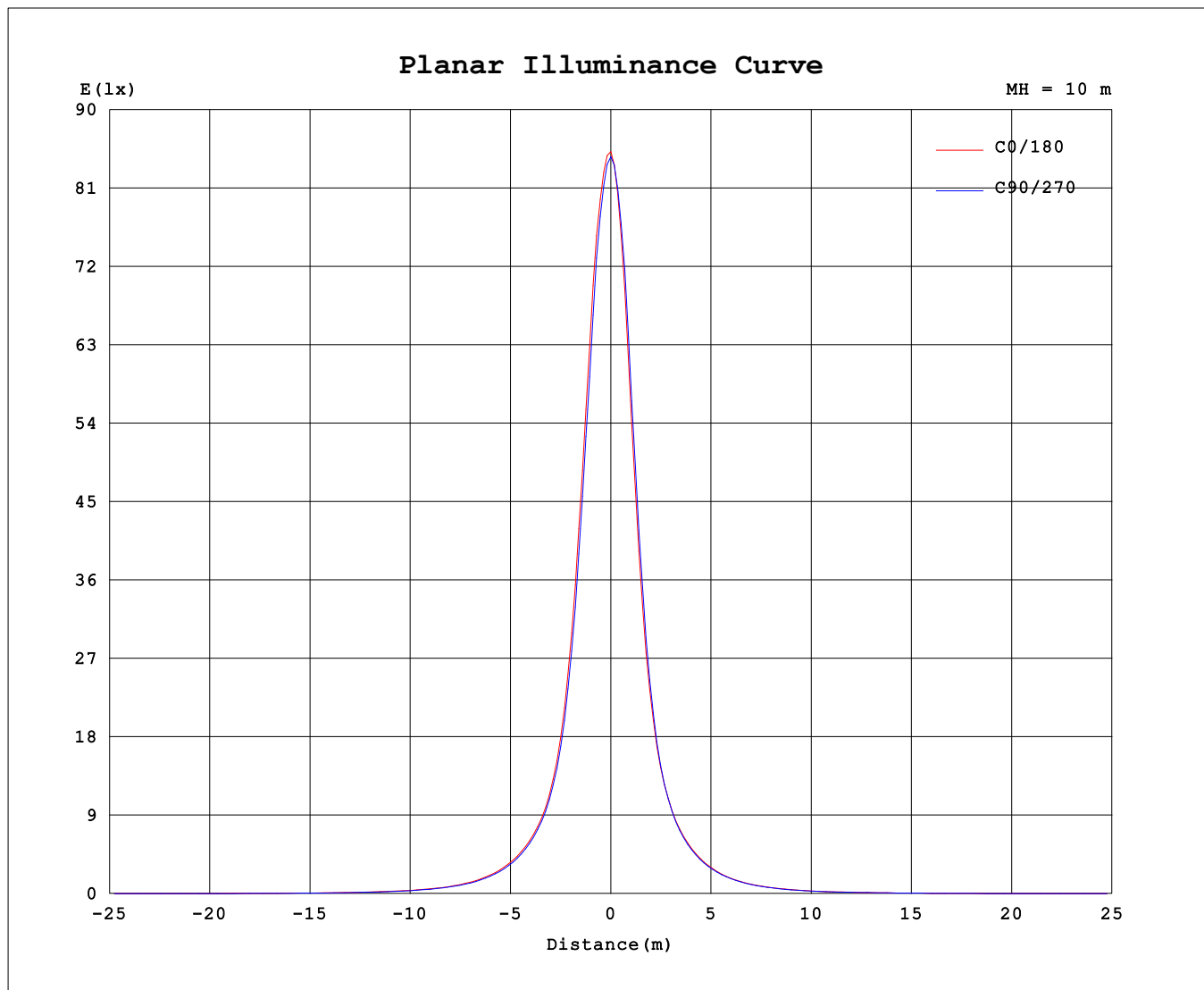
AvgL	cd/m2
L_0~180 (65) av	12921
L_0~180 (75) av	2561
L_0~180 (85) av	669
L_90~270 (65) av	12430
L_90~270 (75) av	2522
L_90~270 (85) av	647
L_45 (65) av	12834
L_45 (75) av	2533
L_45 (85) av	591

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-04

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



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-04

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:

```

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:

```

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	8476	8476	8476	8476	8476	8476	8476	8476
3.0	7957	7897	7822	7705	7555	7599	7738	7890
6.0	6360	6292	6041	5776	5447	5504	5764	6154
9.0	4330	4292	4058	3769	3411	3446	3663	4003
12.0	2678	2675	2519	2327	2111	2069	2203	2442
15.0	1692	1697	1609	1506	1385	1332	1402	1547
18.0	1144	1150	1102	1049	970.6	937.5	963.7	1055
21.0	836.0	836.6	803.7	767.4	711.2	676.8	699.1	766.7
24.0	632.5	630.1	603.4	574.5	532.6	502.9	521.2	574.8
27.0	483.0	480.7	458.0	433.9	401.8	379.4	393.2	435.8
30.0	371.5	370.1	350.4	330.7	306.2	289.3	299.9	334.0
33.0	286.9	286.2	269.7	253.6	235.2	222.8	230.9	257.6
36.0	222.2	221.9	208.3	196.3	182.7	173.2	179.8	199.4
39.0	172.9	173.4	162.0	153.0	143.2	136.4	141.1	155.7
42.0	135.9	136.3	127.5	120.9	113.7	109.0	112.1	123.0
45.0	108.2	108.7	101.6	96.81	91.32	88.54	90.24	98.57
48.0	87.84	87.66	82.53	78.77	74.60	73.64	73.36	80.52
51.0	71.61	71.56	68.02	66.38	63.41	61.86	60.66	66.43
54.0	59.02	58.74	55.78	53.06	50.82	49.77	50.73	55.68
57.0	47.91	47.81	44.92	43.04	40.87	40.05	40.96	44.80
60.0	39.06	38.98	36.53	34.96	33.17	32.52	33.36	36.72
63.0	29.87	29.83	27.63	26.09	24.61	23.79	24.83	28.08
66.0	19.53	19.77	17.80	16.75	15.67	15.10	15.93	18.46
69.0	11.24	11.37	10.40	9.707	9.205	8.929	9.348	10.72
72.0	5.234	5.230	4.537	4.160	3.975	3.868	4.172	4.977
75.0	2.636	2.582	2.485	2.400	2.402	2.388	2.475	2.595
78.0	1.812	1.758	1.731	1.666	1.721	1.699	1.722	1.772
81.0	1.267	1.222	1.221	1.134	1.156	1.128	1.173	1.240
84.0	0.4809	0.4760	0.4070	0.2803	0.2732	0.2285	0.2893	0.3929
87.0	0.1443	0.1212	0.1372	0.0963	0.1069	0.0884	0.1179	0.1095
90.0	0.0511	0.0343	0.0583	0.0358	0.0374	0.0337	0.0476	0.0339

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