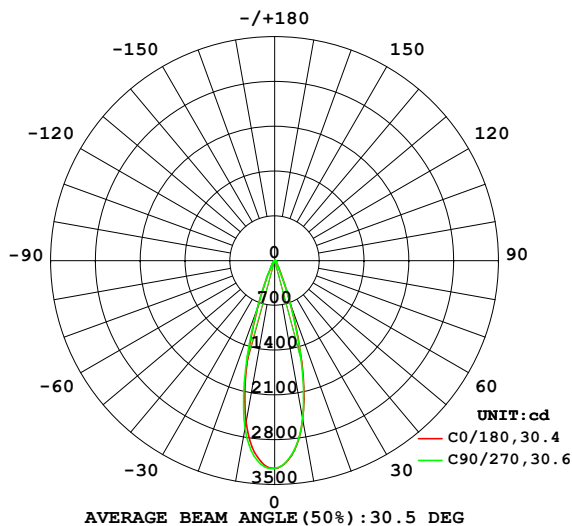


LUMINAIRE PHOTOMETRIC TEST REPORT

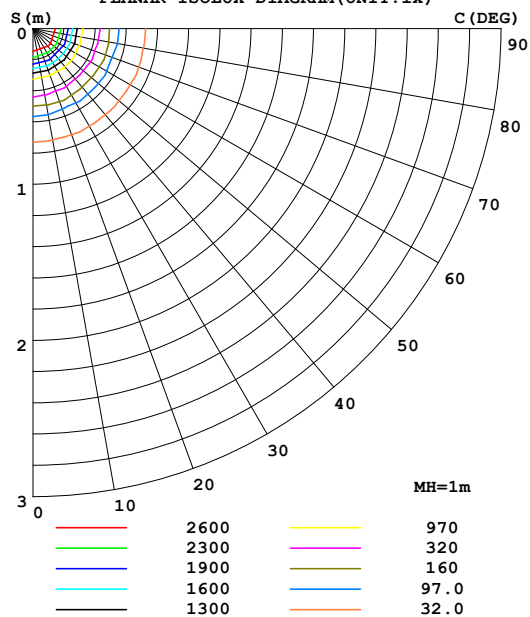
Test:U:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495 Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.66 lm/W
MODEL		I _{max} (cd)	3252	S/MH(C0/180)	0.48	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.49	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	948.05	η UP,DN(C0-180)	0.0,49.0	
NOMINAL FLUX(lm)	948.052	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.0	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.24	η down(%)	100.0	CIBSE SHR MAX	0.50	

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:2023-12-21

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	2529	2514	2516	2544	2574	2632	2668	2601	0- 10	278.3	278.3	29.4,29.4
20	758.9	745.5	724.0	748.5	778.4	774.5	808.4	772.9	10- 20	446.0	724.4	76.4,76.4
30	121.1	115.3	111.4	120.0	124.2	120.5	120.3	118.9	20- 30	145.1	869.5	91.7,91.7
40	39.03	38.93	38.45	39.15	39.73	40.46	40.51	38.88	30- 40	43.41	912.9	96.3,96.3
50	15.62	15.37	15.73	16.06	16.32	16.14	16.27	15.55	40- 50	19.51	932.4	98.4,98.4
60	6.246	6.183	6.293	6.429	6.427	6.311	6.225	6.129	50- 60	9.248	941.7	99.3,99.3
70	2.756	2.726	2.866	2.979	2.984	2.885	2.881	2.757	60- 70	4.387	946.0	99.8,99.8
80	0.7749	0.7084	0.6631	0.8127	0.8621	0.7062	0.5953	0.6817	70- 80	1.793	947.8	100,100
90	0.0343	0.0273	0.0421	0.0261	0.0276	0.0241	0.0299	0.0222	80- 90	0.2126	948.1	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): 924.42 lm

%lum = 97.5%

%lamp = 97.5%

Conical surface Flux(120deg): 941.66 lm

%lum = 99.3%

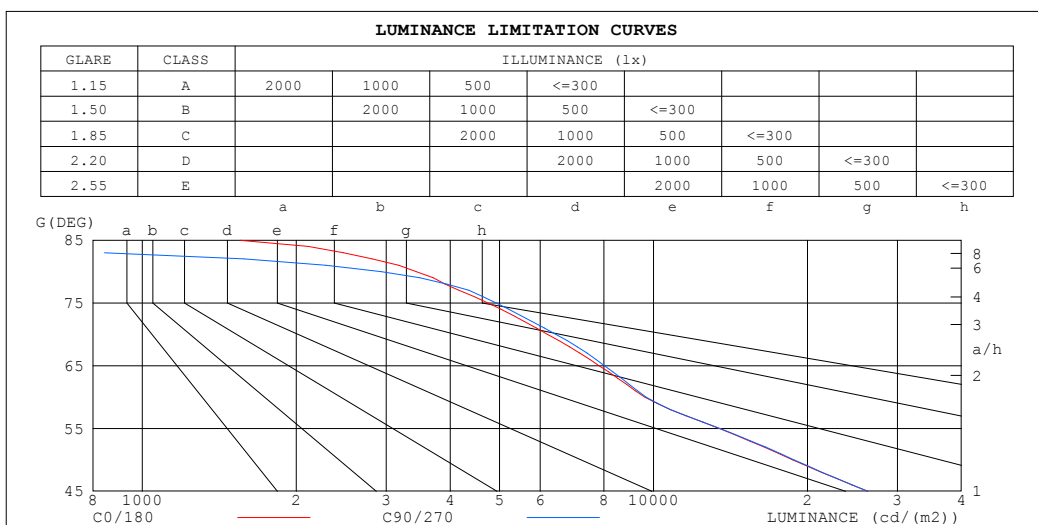
%lamp = 99.3%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495 Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



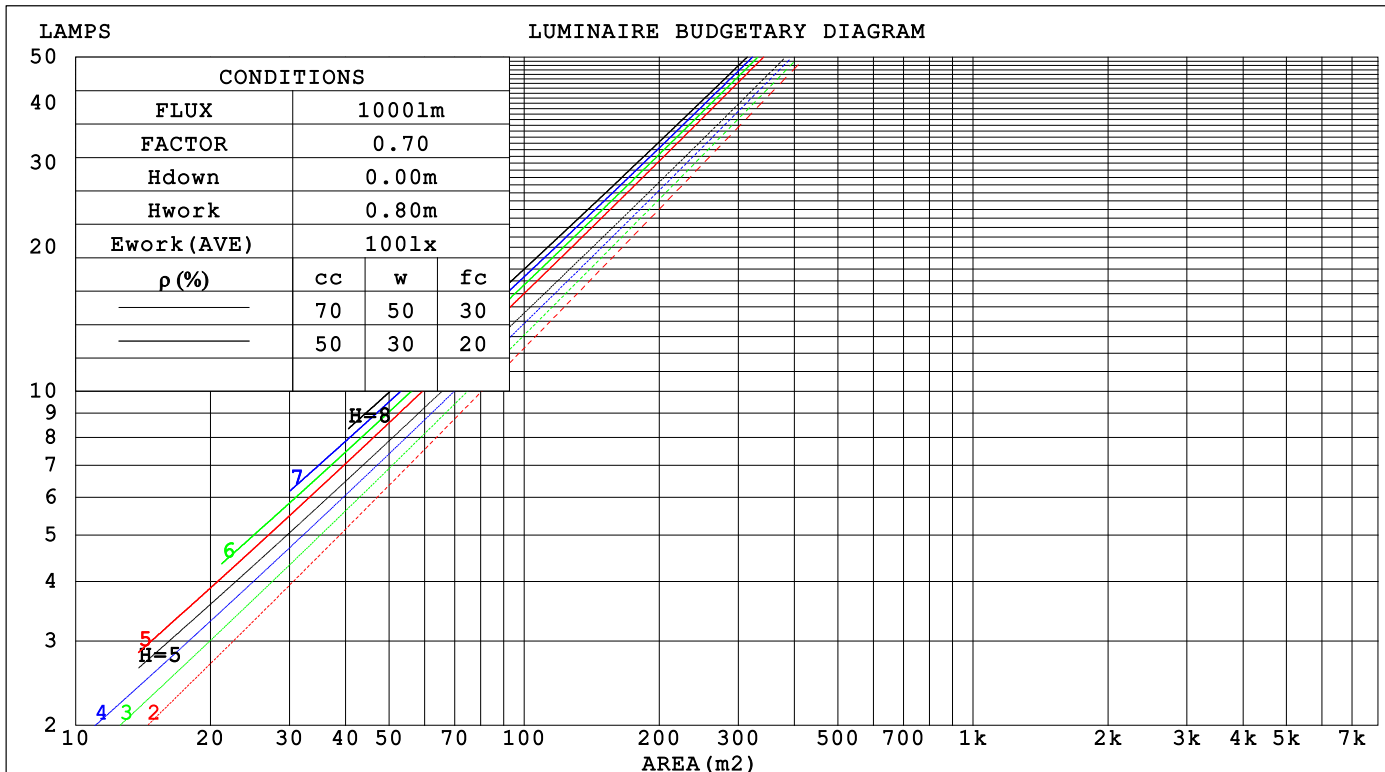
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495		
Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	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	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.98	.96
2.0	1.07	1.04	1.01	1.05	1.02	.00	1.02	.00	.98	.99	.97	.96	.96	.95	.94	.92
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.93	.96	.93	.91	.93	.91	.90	.88
4.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.90	.87	.91	.88	.86	.85
5.0	.93	.89	.86	.92	.88	.85	.91	.87	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.90	.85	.82	.89	.85	.82	.88	.84	.81	.86	.83	.81	.85	.83	.80	.79
7.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.78	.77
8.0	.84	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.77	.74	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.78	.74	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.71	.70



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz			UTHDi:0.17% ITHDi:18.63% KDisp:0.9495			Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming Lighting			SUR.: 41mm			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	.145	.083	.026	.139	.079	.025	.126	.072	.023	.115	.066	.021	.104	.060	.019		
2.0	.135	.074	.023	.130	.072	.022	.120	.067	.021	.110	.062	.019	.101	.057	.018		
3.0	.127	.067	.020	.122	.065	.020	.114	.062	.019	.106	.058	.018	.098	.054	.017		
4.0	.119	.062	.018	.115	.060	.018	.108	.057	.017	.101	.054	.016	.095	.051	.016		
5.0	.112	.057	.017	.109	.056	.016	.103	.053	.016	.097	.051	.015	.091	.049	.015		
6.0	.106	.053	.015	.103	.052	.015	.098	.050	.015	.093	.048	.014	.088	.046	.014		
7.0	.101	.050	.014	.099	.049	.014	.094	.047	.014	.089	.046	.013	.085	.044	.013		
8.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.086	.044	.013	.082	.042	.012		
9.0	.092	.045	.012	.090	.044	.012	.086	.043	.012	.083	.042	.012	.080	.040	.012		
10.0	.088	.042	.012	.086	.042	.012	.083	.041	.011	.080	.040	.011	.077	.039	.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	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016		
2.0	.151	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013		
3.0	.137	.113	.095	.117	.098	.082	.081	.068	.058	.047	.040	.034	.015	.013	.011		
4.0	.125	.098	.078	.107	.085	.068	.074	.059	.048	.043	.035	.028	.014	.011	.009		
5.0	.115	.086	.065	.098	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008		
6.0	.106	.076	.055	.091	.066	.048	.063	.046	.034	.036	.027	.020	.012	.009	.007		
7.0	.098	.068	.047	.085	.059	.041	.059	.041	.029	.034	.024	.017	.011	.008	.006		
8.0	.092	.061	.040	.079	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005		
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004		
10.0	.082	.051	.031	.070	.044	.027	.049	.031	.019	.028	.018	.011	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz UTHDi:0.17% ITHDi:18.63% KDisp:0.9495Lamp Flux:948.052x1 lm											
NAME: MD10-10-XX-04 4000K RA90 36D						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: Norming Lighting						SUR.: 41mm		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	14.8	15.5	15.0	15.7	15.8	14.7	15.4	14.9	15.6	15.7	
	15.0	15.6	15.2	15.8	16.0	14.9	15.6	15.2	15.8	15.9	
	15.0	15.6	15.3	15.8	16.1	15.0	15.6	15.2	15.8	16.0	
	15.0	15.6	15.3	15.8	16.1	14.9	15.5	15.2	15.8	16.0	
	15.0	15.5	15.3	15.8	16.0	14.9	15.5	15.2	15.7	16.0	
	14.9	15.5	15.2	15.7	16.0	14.9	15.4	15.2	15.7	15.9	
4H	2H	14.8	15.4	15.1	15.7	15.9	14.7	15.4	15.0	15.6	15.8
		15.1	15.6	15.4	15.9	16.1	15.0	15.5	15.3	15.8	16.1
		15.1	15.6	15.4	15.9	16.2	15.1	15.6	15.4	15.9	16.2
		15.1	15.6	15.5	15.9	16.2	15.1	15.5	15.4	15.8	16.2
		15.1	15.5	15.5	15.8	16.2	15.0	15.4	15.4	15.8	16.1
		15.0	15.4	15.4	15.8	16.2	15.0	15.3	15.4	15.7	16.1
8H	4H	15.0	15.5	15.4	15.8	16.2	15.0	15.4	15.4	15.8	16.1
		15.1	15.4	15.5	15.8	16.2	15.0	15.3	15.4	15.7	16.2
		15.0	15.3	15.5	15.8	16.2	15.0	15.3	15.4	15.7	16.1
		15.0	15.2	15.5	15.7	16.2	14.9	15.2	15.4	15.6	16.1
12H	4H	15.0	15.4	15.4	15.7	16.1	14.9	15.3	15.4	15.7	16.1
		15.0	15.3	15.5	15.7	16.2	15.0	15.3	15.4	15.7	16.1
		15.0	15.2	15.5	15.7	16.2	14.9	15.2	15.4	15.6	16.1
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.7 / - 2.4					+ 1.6 / - 2.4				
1.5H		+ 2.6 / - 1.9					+ 2.5 / - 1.9				
2.0H		+ 2.7 / - 2.1					+ 2.7 / - 2.1				

CIE Pub.117, 948.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.2)
Area: 0.0013 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495 Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

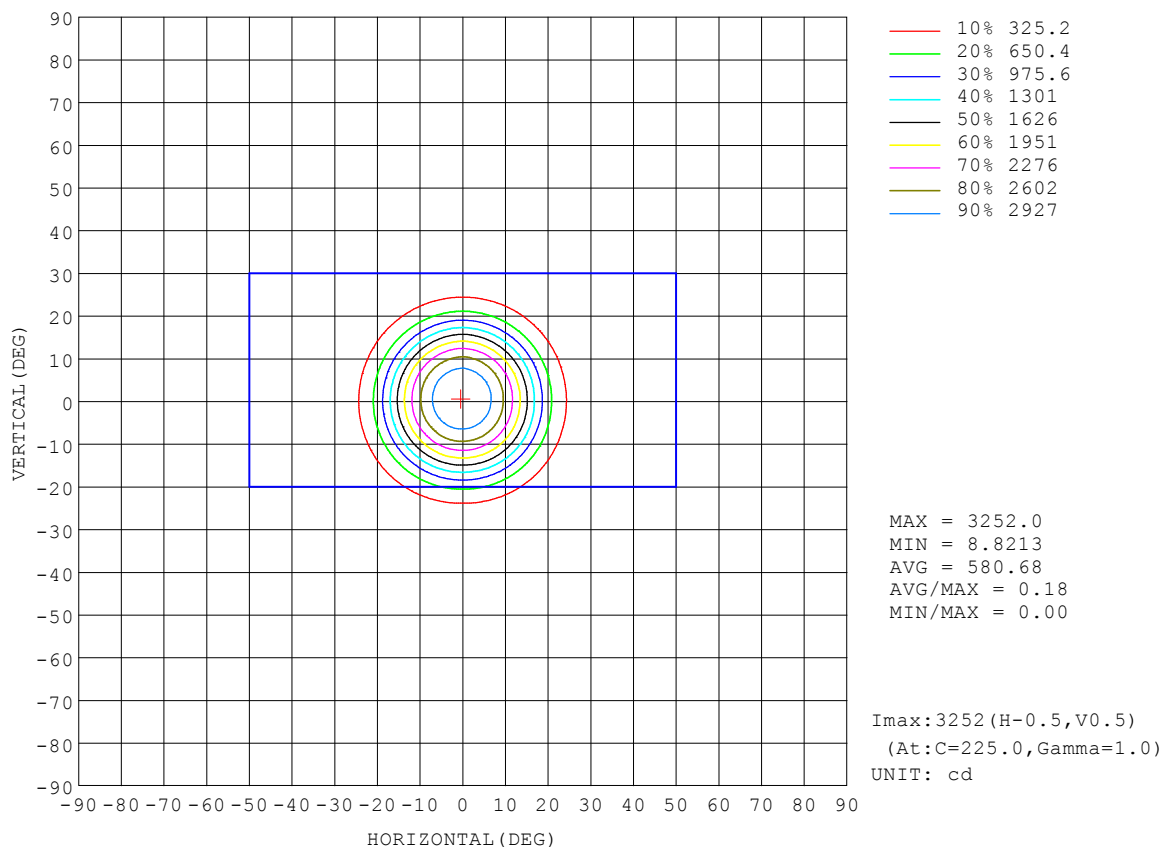
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	96	91	87	95	90	87	83
1.00	100	95	92	100	95	91	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	107	105	98
5.00	115	113	112	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: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495 Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

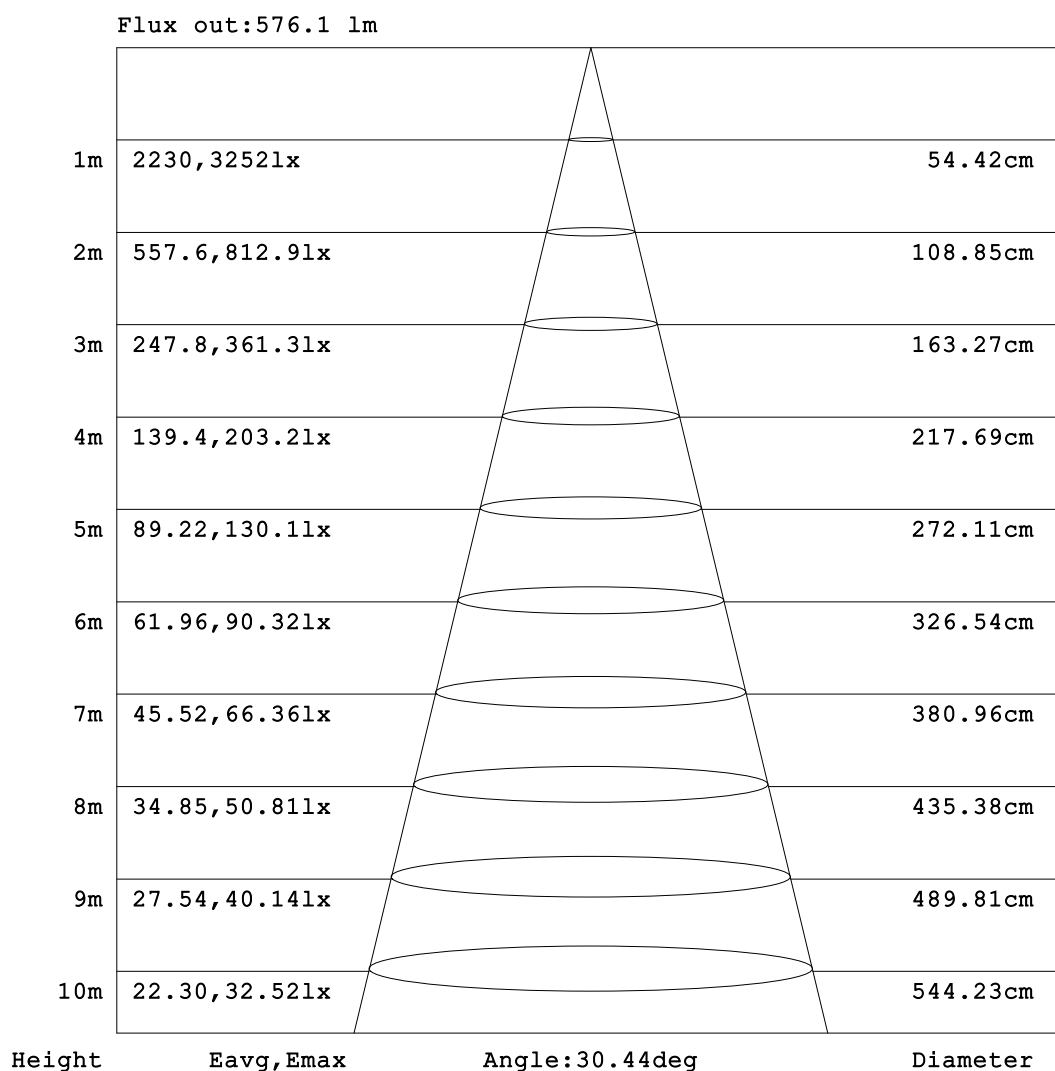


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495 Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



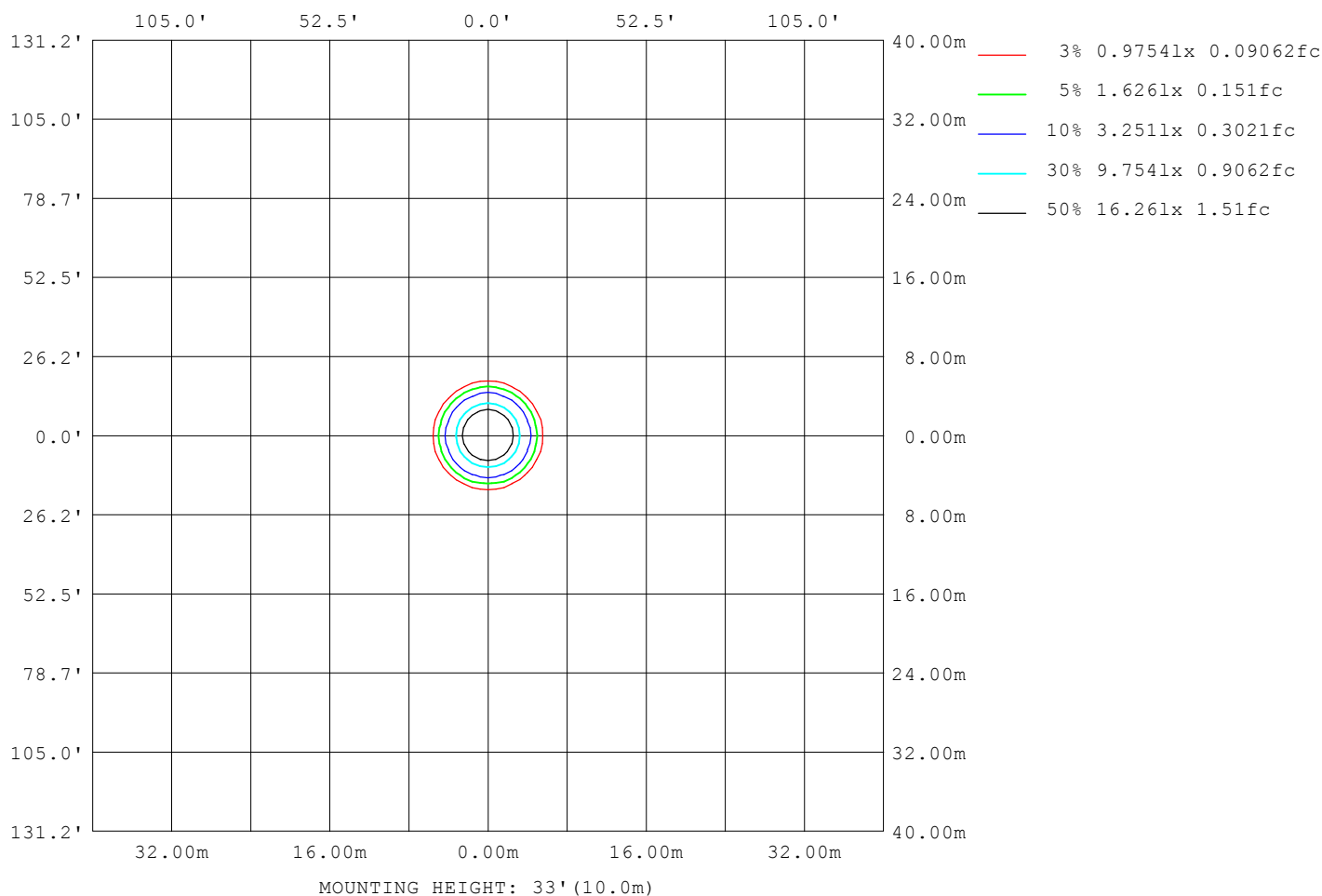
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495 Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-12-21

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:240.2V I:0.0442A P:9.9W PF:0.9332 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.63% KDisp:0.9495 Lamp Flux:948.052x1 lm		
NAME: MD10-10-XX-04 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

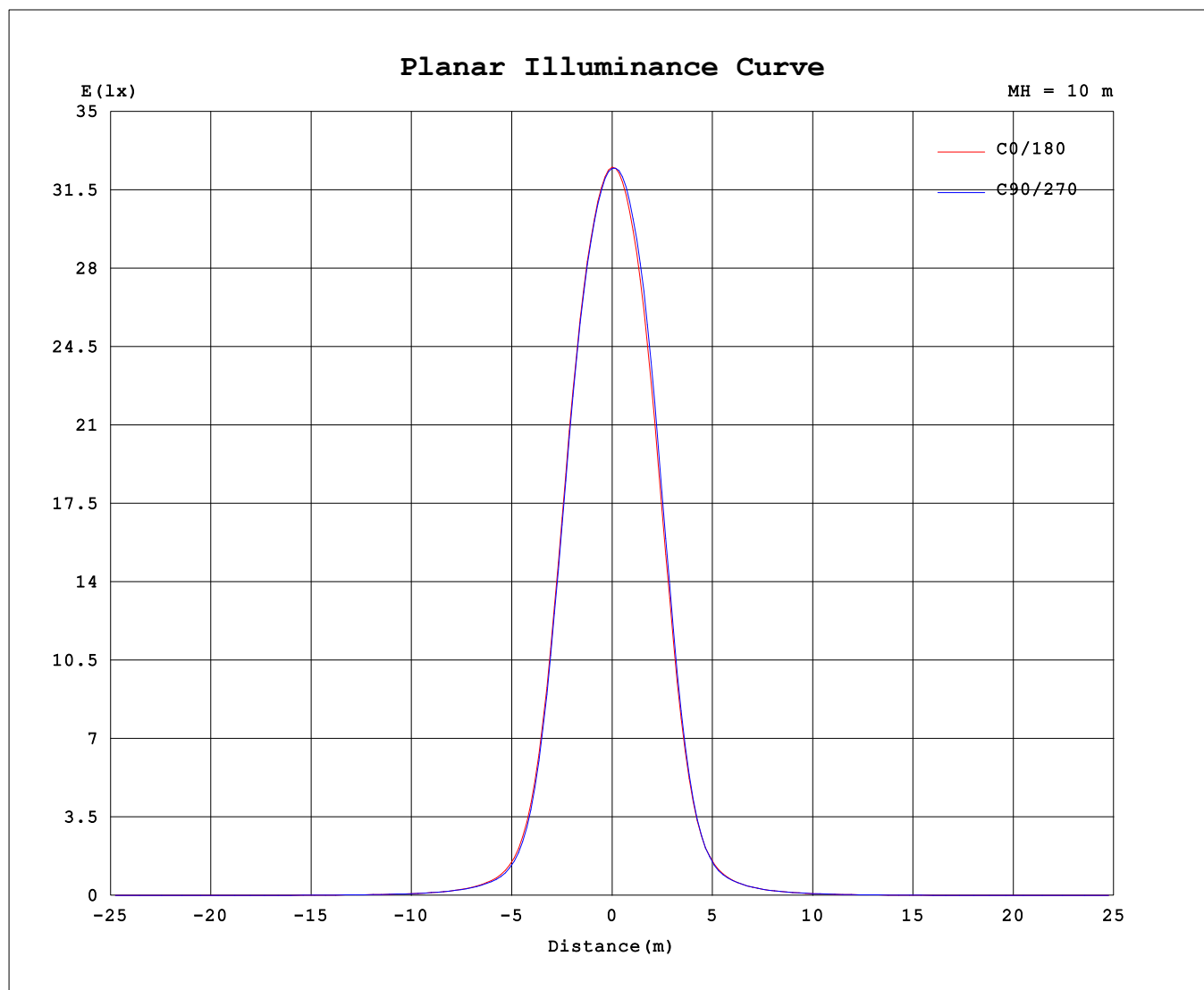
AvgL	cd/m2
L_0~180 (65) av	8020
L_0~180 (75) av	4975
L_0~180 (85) av	1794
L_90~270 (65) av	7980
L_90~270 (75) av	4956
L_90~270 (85) av	377
L_45 (65) av	7952
L_45 (75) av	4901
L_45 (85) av	246

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-21

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: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-12-21

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	3248	3248	3248	3248	3248	3248	3248	3248
3.0	3172	3163	3165	3185	3194	3216	3222	3199
6.0	2978	2965	2970	2995	3015	3055	3072	3026
9.0	2668	2650	2654	2681	2710	2768	2801	2734
12.0	2214	2197	2185	2219	2255	2308	2351	2284
15.0	1646	1636	1614	1648	1689	1722	1769	1703
18.0	1078	1067	1044	1072	1108	1114	1161	1112
21.0	627.6	612.7	593.8	614.4	641.9	637.4	664.7	633.3
24.0	344.1	327.8	315.7	332.4	348.5	340.8	352.1	340.3
27.0	194.0	181.9	175.8	189.0	197.2	189.0	191.3	189.1
30.0	121.1	115.3	111.4	120.0	124.2	120.5	120.3	118.9
33.0	83.42	81.00	78.94	83.57	85.13	84.85	84.47	83.43
36.0	59.35	58.83	57.68	59.92	60.61	61.22	60.98	59.69
39.0	43.18	43.16	42.45	43.40	43.99	44.84	44.77	43.10
42.0	32.01	31.82	31.68	32.11	32.68	33.11	33.30	31.95
45.0	24.13	23.84	24.11	24.45	24.88	24.92	25.20	24.14
48.0	18.51	18.21	18.59	19.03	19.36	19.11	19.41	18.50
51.0	14.35	14.12	14.48	14.78	15.00	14.84	14.94	14.26
54.0	10.99	10.81	11.05	11.31	11.40	11.25	11.32	10.84
57.0	8.191	8.035	8.196	8.379	8.376	8.288	8.247	8.014
60.0	6.246	6.183	6.293	6.429	6.427	6.311	6.225	6.129
63.0	5.018	4.975	5.108	5.226	5.223	5.122	5.043	4.945
66.0	3.963	3.931	4.077	4.202	4.193	4.099	4.050	3.934
69.0	3.035	3.002	3.156	3.275	3.273	3.177	3.158	3.027
72.0	2.245	2.210	2.327	2.425	2.444	2.352	2.350	2.258
75.0	1.595	1.564	1.659	1.746	1.753	1.672	1.676	1.614
78.0	1.057	1.039	1.067	1.181	1.173	1.086	0.9979	1.046
81.0	0.6445	0.5400	0.4652	0.6211	0.7177	0.5439	0.4024	0.5180
84.0	0.2864	0.1044	0.0476	0.1379	0.3468	0.1207	0.0405	0.0933
87.0	0.0475	0.0228	0.0408	0.0251	0.0424	0.0202	0.0373	0.0209
90.0	0.0343	0.0273	0.0421	0.0261	0.0276	0.0241	0.0299	0.0222

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