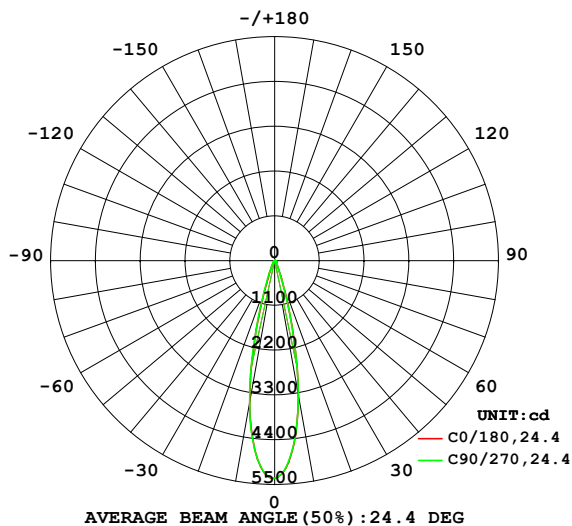


LUMINAIRE PHOTOMETRIC TEST REPORT

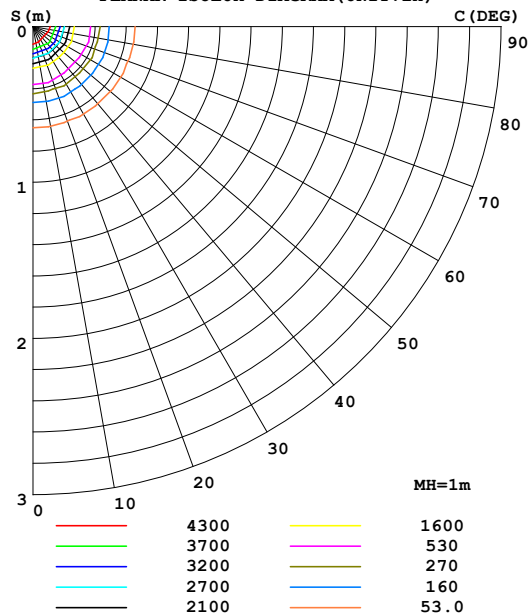
Test:U:240.2V I:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.14 lm/W
MODEL		I _{max} (cd)	5349	S/MH (C0/180)	0.40	
NOMINAL POWER(W)	13	LOR (%)	100.0	S/MH (C90/270)	0.41	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1105.0	η UP,DN (C0-180)	0.0,48.9	
NOMINAL FLUX(lm)	1105.03	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.1	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.17	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:2023-12-26

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	3365	3337	3375	3461	3559	3621	3563	3469	0- 10	416.8	416.8	37.7,37.7
20	596.3	592.0	582.9	595.0	595.9	630.1	653.7	639.3	10- 20	474.5	891.3	80.7,80.7
30	118.7	123.8	124.8	122.3	119.7	129.5	136.0	127.2	20- 30	126.3	1018	92.1,92.1
40	46.61	46.60	45.60	44.87	45.49	46.27	47.46	47.45	30- 40	47.19	1065	96.4,96.4
50	19.51	19.68	19.43	19.30	19.87	19.65	19.90	19.06	40- 50	24.02	1089	98.5,98.5
60	5.284	5.718	5.937	5.993	5.948	5.943	5.759	5.283	50- 60	10.34	1099	99.5,99.5
70	2.297	2.424	2.613	2.614	2.613	2.630	2.605	2.362	60- 70	3.787	1103	99.8,99.8
80	0.9142	0.9055	0.9126	0.9569	1.066	1.038	0.9417	0.8745	70- 80	1.771	1105	100,100
90	0.0493	0.0360	0.0608	0.0371	0.0387	0.0388	0.0460	0.0351	80- 90	0.3199	1105	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): 1078.8 lm

%lum = 97.6%

%lamp = 97.6%

Conical surface Flux(120deg): 1099.1 lm

%lum = 99.5%

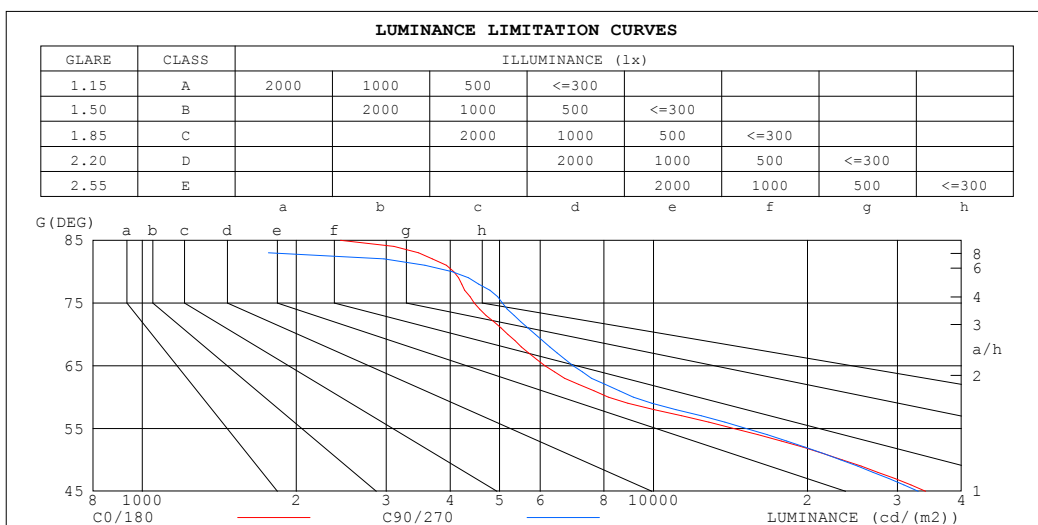
%lamp = 99.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



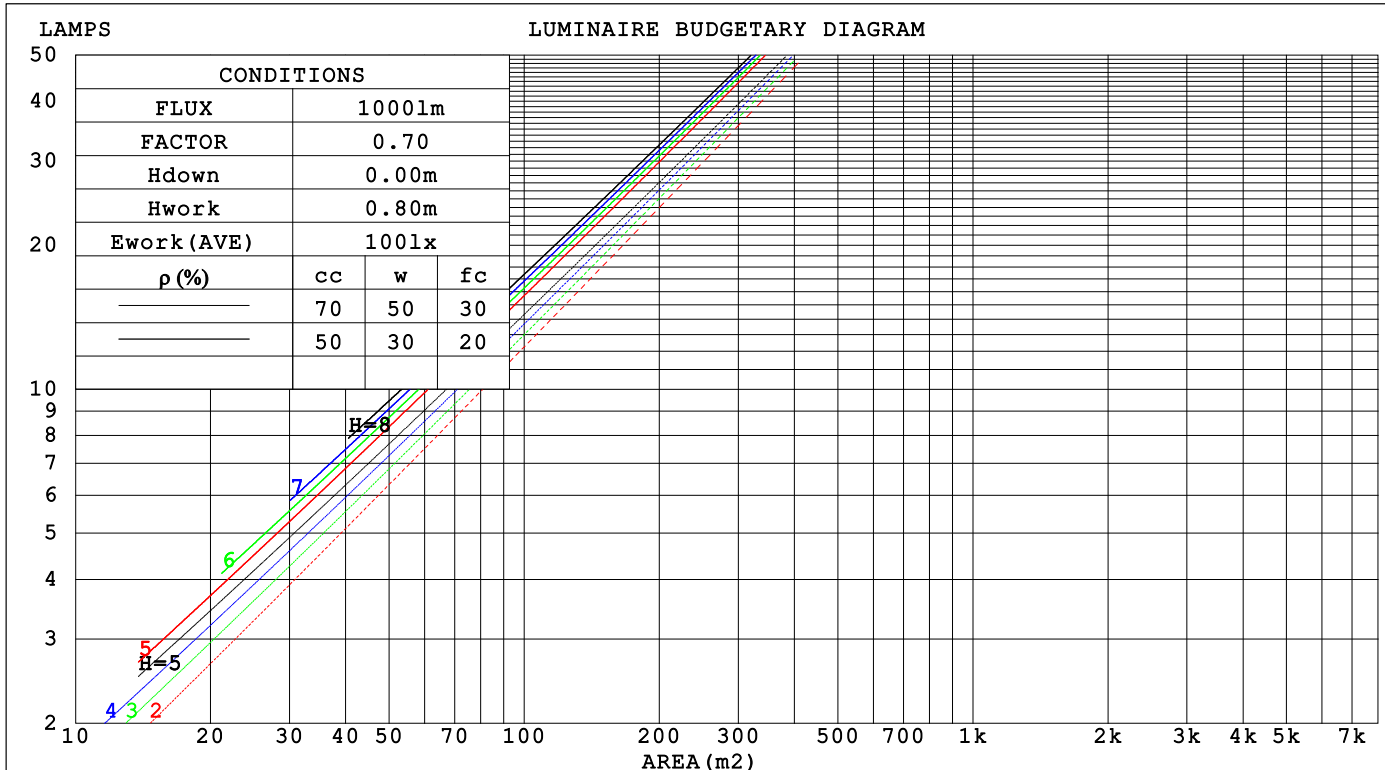
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.89% KDisp:0.9680		
Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.00	.99	.00	.98	.96	.97	.96	.95	.93
3.0	1.03	.99	.96	1.01	.98	.95	.99	.96	.94	.97	.94	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.90	.88	.93	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.84	.90	.86	.84	.89	.86	.83	.87	.85	.83	.82
7.0	.89	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.80	.79
8.0	.86	.82	.79	.86	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.77
9.0	.84	.80	.77	.83	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
10.0	.82	.78	.75	.81	.77	.75	.81	.77	.75	.80	.77	.75	.79	.76	.74	.73



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz			UTHDi:0.18% ITHDi:18.89% KDisp:0.9680			Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D			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	.139	.079	.025	.132	.075	.024	.120	.069	.022	.108	.062	.020	.098	.057	.018		
2.0	.129	.071	.022	.123	.068	.021	.113	.063	.020	.104	.058	.018	.095	.054	.017		
3.0	.120	.064	.019	.115	.062	.019	.107	.058	.018	.099	.054	.017	.092	.051	.016		
4.0	.112	.058	.017	.108	.057	.017	.101	.054	.016	.095	.051	.015	.088	.048	.015		
5.0	.106	.054	.016	.102	.053	.015	.096	.050	.015	.090	.048	.014	.085	.045	.014		
6.0	.100	.050	.014	.097	.049	.014	.092	.047	.014	.087	.045	.013	.082	.043	.013		
7.0	.094	.047	.013	.092	.046	.013	.087	.044	.013	.083	.043	.012	.079	.041	.012		
8.0	.090	.044	.012	.088	.043	.012	.084	.042	.012	.080	.040	.012	.076	.039	.011		
9.0	.086	.041	.012	.084	.041	.011	.080	.040	.011	.077	.039	.011	.074	.037	.011		
10.0	.082	.039	.011	.080	.039	.011	.077	.038	.011	.074	.037	.010	.071	.036	.010		

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	.168	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017		
2.0	.150	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014		
3.0	.136	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011		
4.0	.123	.098	.079	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009		
5.0	.113	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008		
6.0	.104	.076	.056	.089	.066	.048	.061	.046	.034	.036	.027	.020	.012	.009	.007		
7.0	.096	.067	.047	.083	.058	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006		
8.0	.089	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005		
9.0	.084	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.007	.004		
10.0	.079	.050	.031	.068	.044	.027	.047	.031	.019	.027	.018	.012	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm										
NAME: MD10-13-XX-04 3000K RA90 24D					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	15.2	15.8	15.4	16.0	16.1	15.2	15.9	15.4	16.0	16.2
3H	15.2	15.8	15.4	16.0	16.2	15.3	15.9	15.5	16.1	16.2
4H	15.2	15.8	15.4	16.0	16.2	15.3	15.9	15.5	16.1	16.3
6H	15.2	15.7	15.4	15.9	16.2	15.3	15.8	15.5	16.0	16.3
8H	15.1	15.7	15.4	15.9	16.2	15.2	15.8	15.5	16.0	16.3
12H	15.1	15.6	15.4	15.9	16.1	15.2	15.7	15.5	16.0	16.2
4H 2H	15.1	15.7	15.3	15.9	16.1	15.1	15.7	15.4	15.9	16.1
3H	15.1	15.7	15.5	15.9	16.2	15.2	15.7	15.5	16.0	16.3
4H	15.2	15.6	15.5	15.9	16.2	15.3	15.7	15.6	16.0	16.3
6H	15.2	15.6	15.5	15.9	16.3	15.3	15.7	15.6	16.0	16.4
8H	15.2	15.5	15.5	15.9	16.3	15.3	15.6	15.6	16.0	16.4
12H	15.1	15.5	15.5	15.8	16.2	15.2	15.6	15.6	15.9	16.3
8H 4H	15.1	15.5	15.5	15.8	16.2	15.2	15.6	15.6	15.9	16.3
6H	15.1	15.4	15.5	15.8	16.2	15.2	15.5	15.6	15.9	16.3
8H	15.1	15.4	15.6	15.8	16.3	15.2	15.5	15.6	15.9	16.3
12H	15.1	15.3	15.5	15.8	16.2	15.1	15.4	15.6	15.8	16.3
12H 4H	15.0	15.4	15.4	15.8	16.1	15.1	15.5	15.5	15.9	16.2
6H	15.1	15.4	15.5	15.8	16.2	15.2	15.5	15.6	15.9	16.3
8H	15.1	15.3	15.5	15.8	16.2	15.2	15.4	15.6	15.8	16.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.7 / - 3.2					+ 1.6 / - 2.9				
1.5H	+ 2.2 / - 2.5					+ 2.2 / - 2.3				
2.0H	+ 3.6 / - 3.5					+ 3.4 / - 3.4				

CIE Pub.117, 1105 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.3)
Area: 0.0013 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

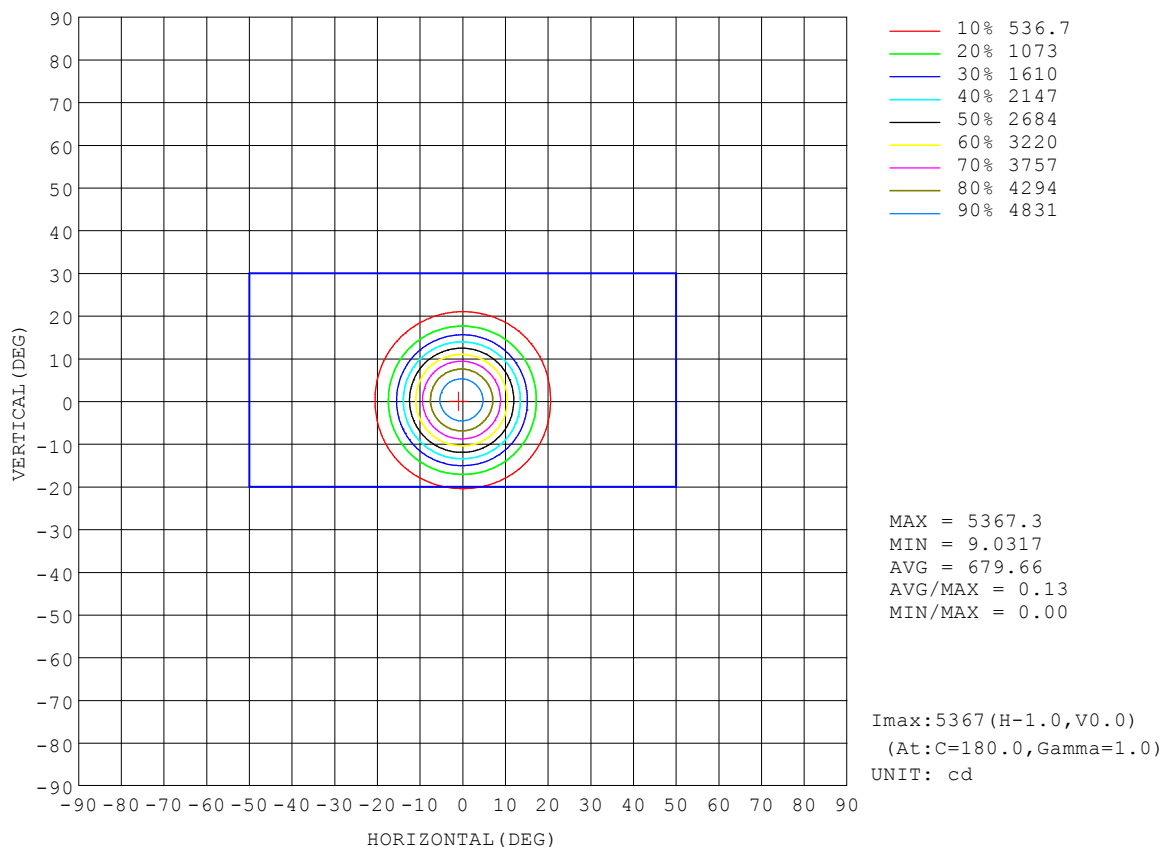
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	96	91	87	95	90	87	83
1.00	101	95	92	100	95	92	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	110	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: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

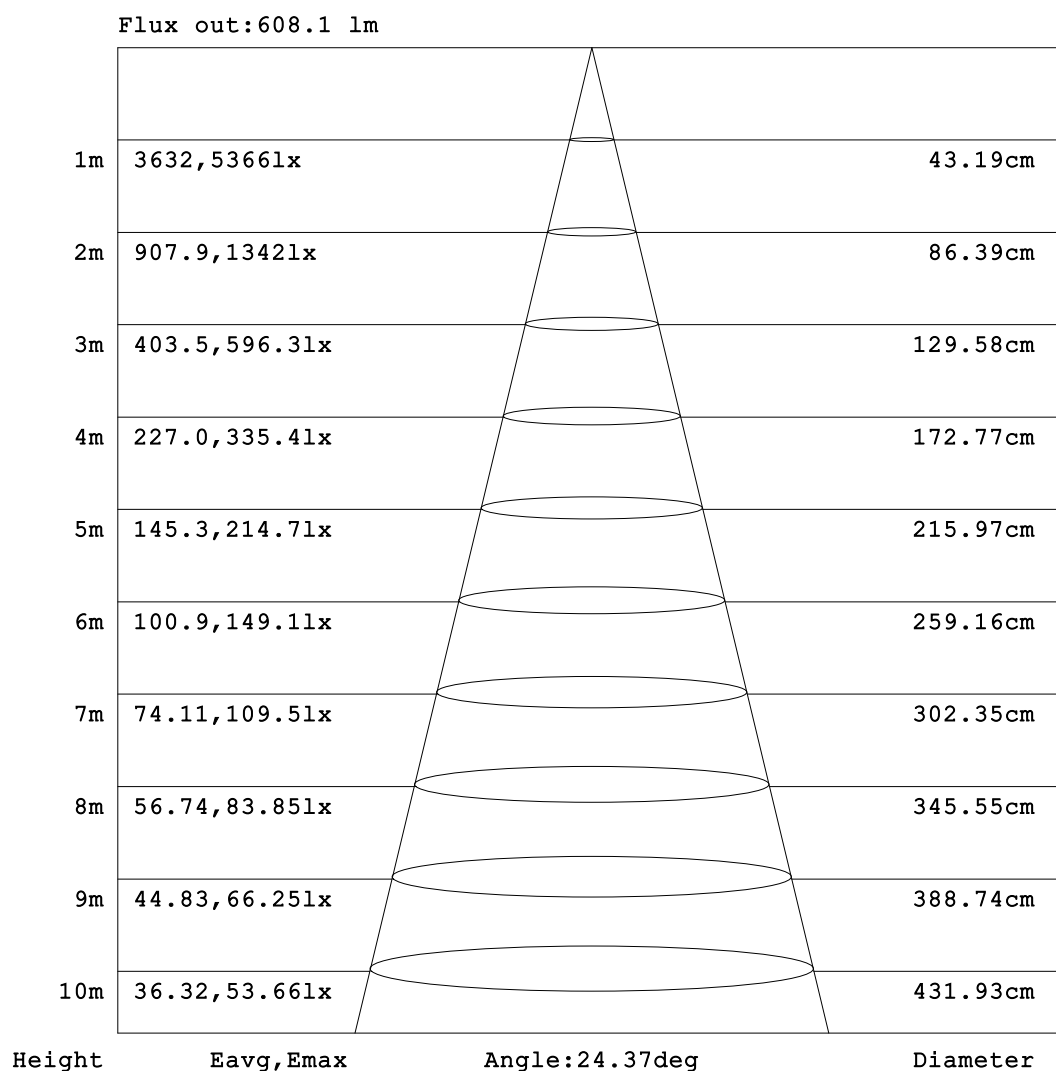


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



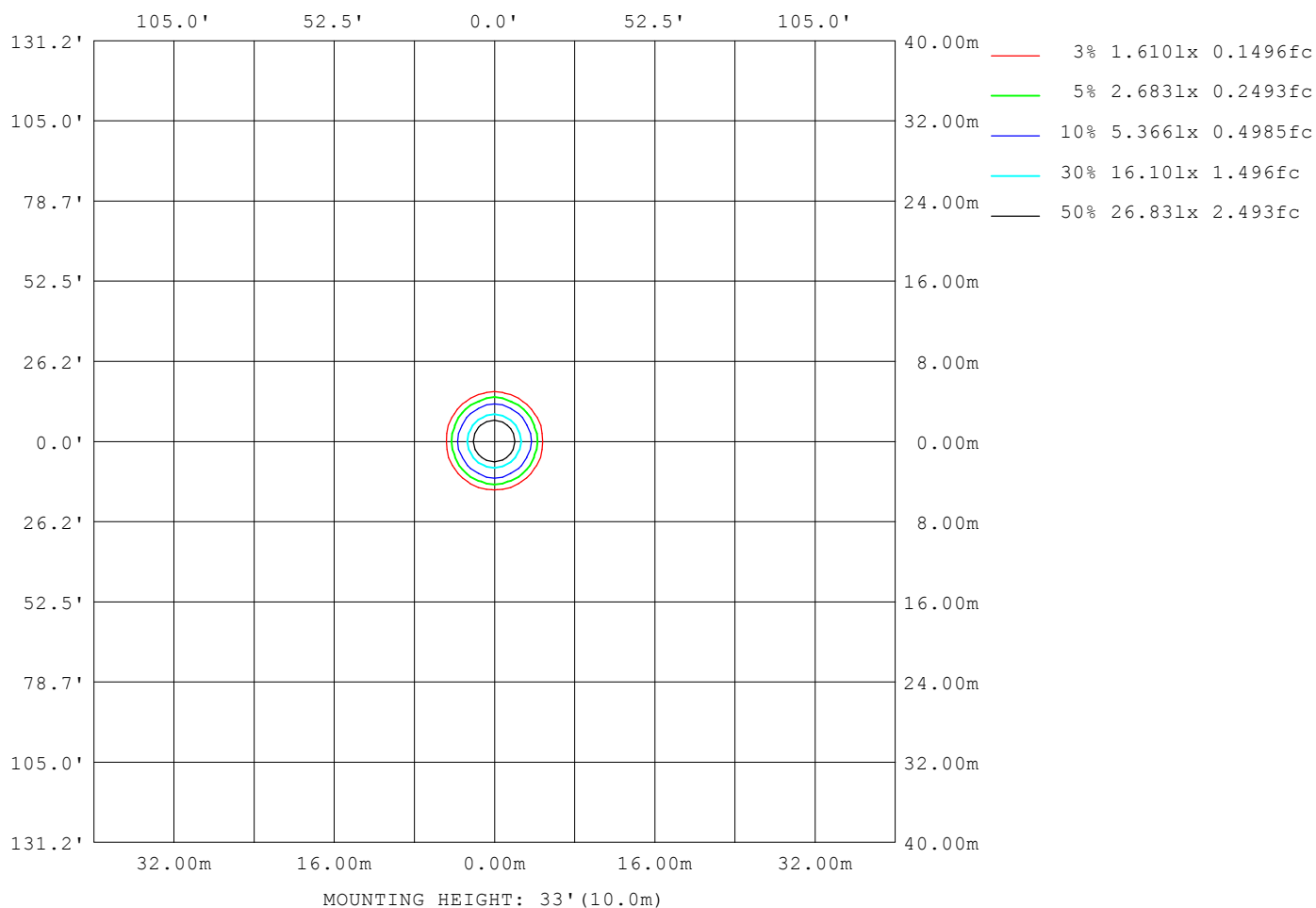
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-12-26

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:0.0562A P:12.8W PF:0.9510 Freq:49.99Hz UTHDi:0.18% ITHDi:18.89% KDisp:0.9680 Lamp Flux:1105.03x1 lm		
NAME: MD10-13-XX-04 3000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

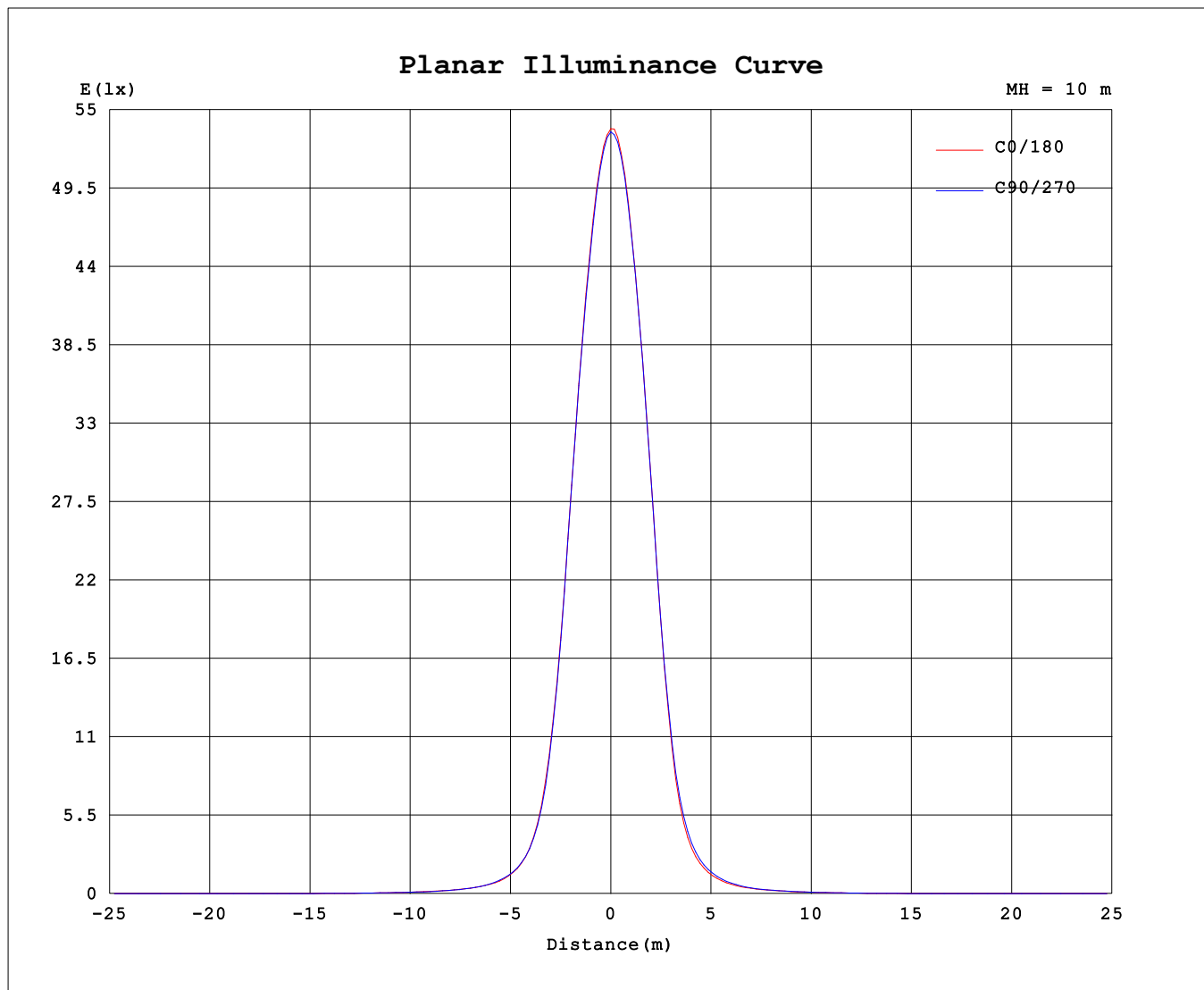
AvgL	cd/m2
L_0~180 (65) av	6510
L_0~180 (75) av	4789
L_0~180 (85) av	3088
L_90~270 (65) av	6940
L_90~270 (75) av	5088
L_90~270 (85) av	578
L_45 (65) av	6731
L_45 (75) av	4855
L_45 (85) av	369

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-26

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: 2023-12-26

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	5348	5348	5348	5348	5348	5348	5348	5348
3.0	5116	5083	5112	5158	5201	5214	5198	5150
6.0	4537	4485	4524	4602	4675	4719	4682	4613
9.0	3700	3663	3703	3788	3877	3939	3893	3796
12.0	2657	2634	2664	2757	2843	2906	2850	2755
15.0	1646	1636	1628	1714	1762	1799	1788	1731
18.0	924.3	902.6	885.8	922.0	933.2	970.8	988.7	969.3
21.0	487.1	484.0	479.1	485.1	482.3	512.3	536.4	522.4
24.0	280.0	282.5	285.2	284.7	280.1	299.4	315.7	299.9
27.0	176.3	181.8	184.6	182.4	178.0	192.0	202.2	188.7
30.0	118.7	123.8	124.8	122.3	119.7	129.5	136.0	127.2
33.0	85.45	88.50	88.27	86.00	84.64	90.98	94.30	90.88
36.0	64.60	66.15	64.71	63.68	63.39	66.58	68.12	67.81
39.0	50.53	50.82	49.57	48.87	49.33	50.45	51.76	51.87
42.0	39.72	39.45	38.70	37.97	38.75	39.08	40.15	39.96
45.0	31.22	30.89	30.33	29.69	30.53	30.49	31.32	30.76
48.0	23.83	23.77	23.41	23.02	23.77	23.62	24.11	23.33
51.0	17.52	17.73	17.60	17.51	18.08	17.82	17.98	17.11
54.0	12.18	12.67	12.76	12.83	13.20	12.96	12.83	12.03
57.0	8.016	8.540	8.787	8.900	8.987	8.905	8.620	7.947
60.0	5.284	5.718	5.937	5.993	5.948	5.943	5.759	5.283
63.0	3.939	4.255	4.468	4.487	4.444	4.517	4.425	4.032
66.0	3.113	3.348	3.553	3.552	3.514	3.573	3.521	3.207
69.0	2.486	2.631	2.826	2.824	2.812	2.840	2.811	2.553
72.0	1.951	2.042	2.212	2.213	2.230	2.241	2.218	1.997
75.0	1.496	1.565	1.705	1.701	1.727	1.739	1.719	1.530
78.0	1.136	1.187	1.231	1.262	1.310	1.320	1.239	1.146
81.0	0.7973	0.7502	0.7266	0.7872	0.9279	0.8704	0.7537	0.7249
84.0	0.4203	0.2486	0.0682	0.2413	0.5557	0.3133	0.0637	0.1236
87.0	0.0657	0.0331	0.0653	0.0339	0.0618	0.0360	0.0582	0.0300
90.0	0.0493	0.0360	0.0608	0.0371	0.0387	0.0388	0.0460	0.0351

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