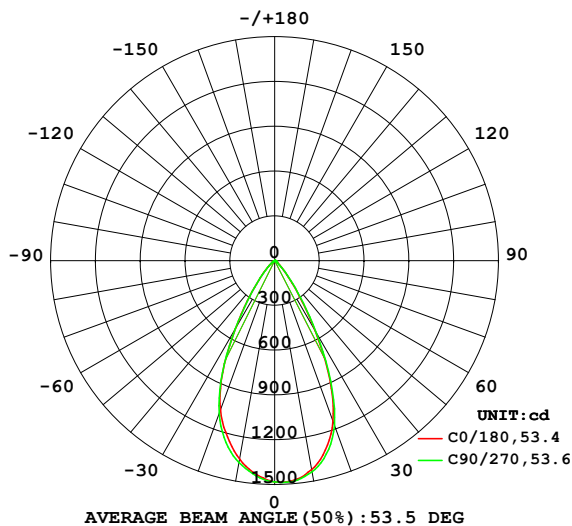


LUMINAIRE PHOTOMETRIC TEST REPORT

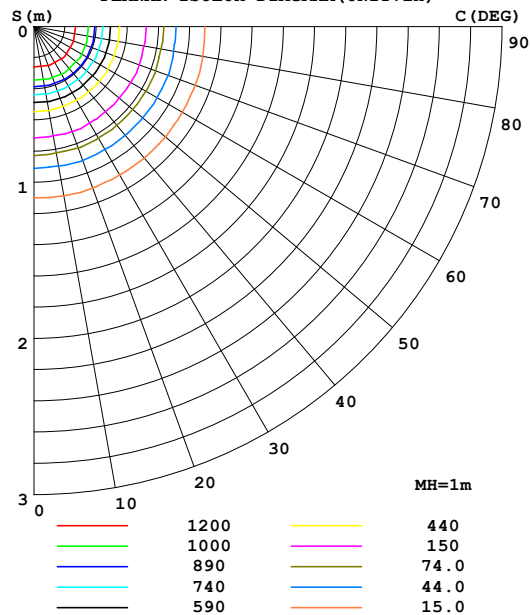
Test:U:240.2V I:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691 Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.33 lm/W
MODEL		I _{max} (cd)	1491	S/MH (C0/180)		0.80
NOMINAL POWER(W)	13	LOR (%)	100.0	S/MH (C90/270)		0.80
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1163.6	η UP,DN (C0-180)		0.0,51.2
NOMINAL FLUX(lm)	1163.64	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,48.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.75
TEST VOLTAGE(V)	240.15	η down (%)	100.0	CIBSE SHR MAX		0.85

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: 2023-12-26

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	1421	1445	1437	1401	1350	1347	1375	1402	0- 10	137.4	137.4	11.8,11.8
20	1143	1183	1173	1140	1064	1062	1087	1121	10- 20	358.5	495.9	42.6,42.6
30	545.1	563.4	561.3	561.8	529.9	532.2	527.7	536.3	20- 30	385.1	881.0	75.7,75.7
40	146.7	149.9	152.0	156.4	151.8	149.8	150.1	146.1	30- 40	191.8	1073	92.2,92.2
50	34.43	34.16	33.94	36.24	37.12	36.00	35.03	34.27	40- 50	60.74	1134	97.4,97.4
60	11.92	12.11	12.28	12.91	12.87	12.81	12.51	12.16	50- 60	18.90	1152	99,99
70	4.531	4.683	4.860	5.021	5.028	5.078	4.894	4.646	60- 70	7.967	1160	99.7,99.7
80	0.9815	0.9888	0.9186	1.129	1.290	1.210	0.9236	0.9304	70- 80	2.962	1163	100,100
90	0.0493	0.0398	0.0505	0.0406	0.0413	0.0421	0.0451	0.0409	80- 90	0.2823	1164	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): 1112.5 lm

%lum = 95.6%

%lamp = 95.6%

Conical surface Flux(120deg): 1152.4 lm

%lum = 99.0%

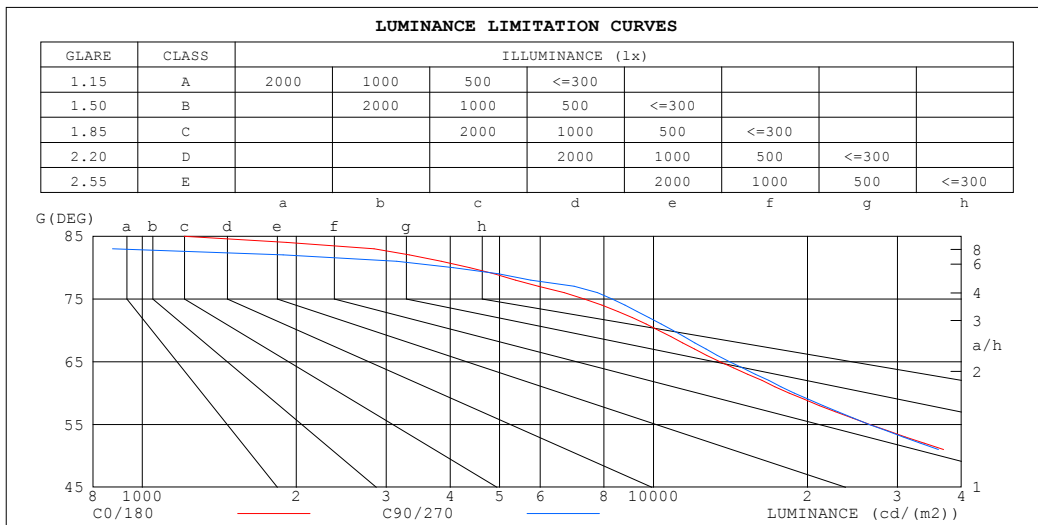
%lamp = 99.0%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691 Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



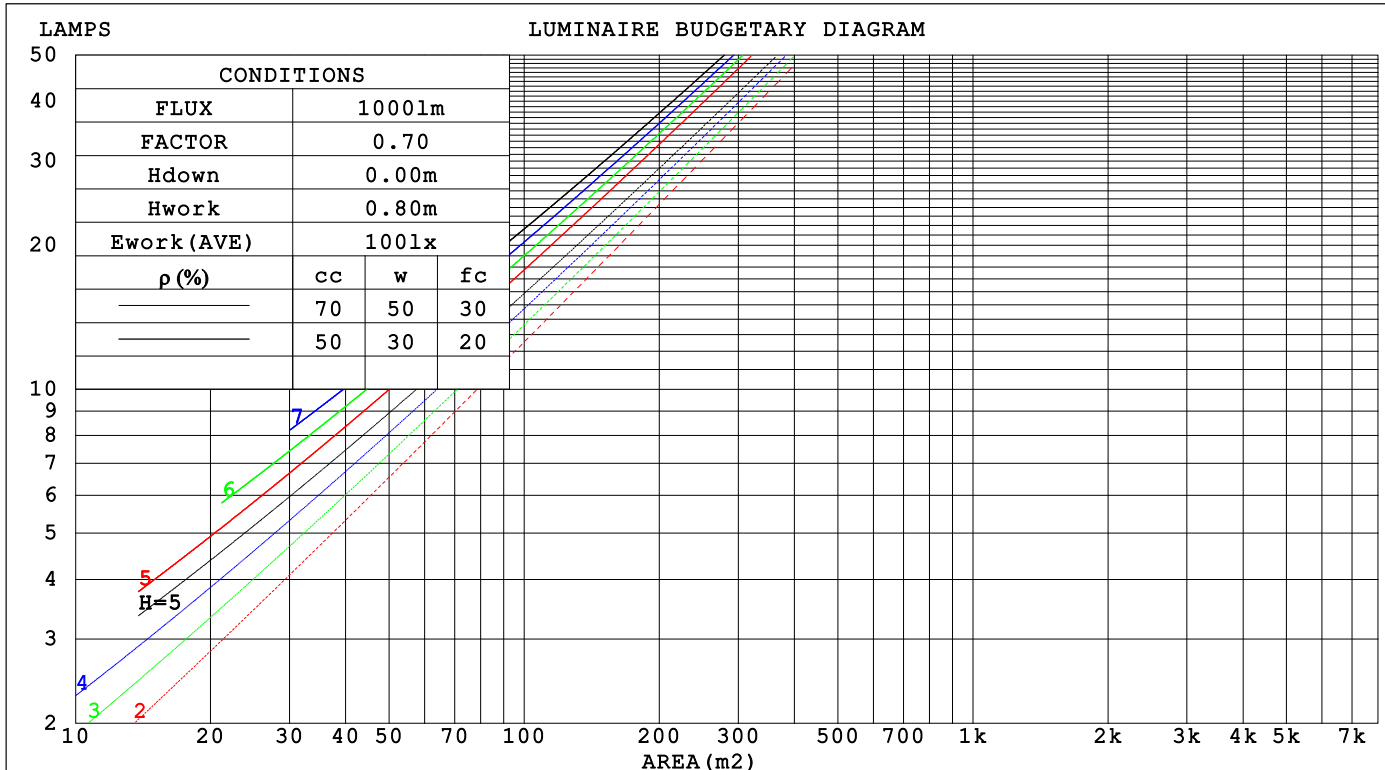
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-12-26

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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691		
Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D	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	1.11	1.08	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.96	.95	.94
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.82
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.82	.79	.83	.80	.78	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.73	.79	.76	.73	.71
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.67
7.0	.75	.70	.65	.75	.69	.65	.73	.69	.65	.72	.68	.65	.71	.67	.64	.63
8.0	.71	.65	.61	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56
10.0	.64	.58	.55	.64	.58	.55	.63	.58	.54	.62	.58	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz			UTHDi:0.17% ITHDi:18.77% KDisp:0.9691			Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D			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	.176	.100	.032	.169	.096	.031	.156	.090	.029	.145	.084	.027	.134	.078	.025		
2.0	.168	.092	.028	.162	.089	.028	.152	.084	.026	.142	.080	.025	.133	.075	.024		
3.0	.160	.085	.025	.155	.083	.025	.146	.079	.024	.138	.075	.023	.130	.072	.022		
4.0	.152	.079	.023	.148	.077	.023	.140	.074	.022	.133	.071	.022	.126	.069	.021		
5.0	.145	.074	.021	.141	.072	.021	.134	.070	.021	.128	.068	.020	.122	.065	.020		
6.0	.138	.069	.020	.135	.068	.020	.129	.066	.019	.123	.064	.019	.118	.062	.018		
7.0	.132	.065	.018	.129	.064	.018	.124	.063	.018	.119	.061	.018	.114	.059	.017		
8.0	.126	.062	.017	.124	.061	.017	.119	.059	.017	.115	.058	.017	.110	.057	.017		
9.0	.121	.058	.016	.119	.058	.016	.114	.057	.016	.110	.055	.016	.107	.054	.016		
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.107	.053	.015	.103	.052	.015		

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016		
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013		
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011		
4.0	.133	.099	.073	.114	.085	.063	.078	.060	.045	.045	.035	.026	.015	.011	.009		
5.0	.124	.087	.060	.107	.075	.052	.073	.053	.037	.043	.031	.022	.014	.010	.007		
6.0	.117	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006		
7.0	.110	.070	.042	.095	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005		
8.0	.104	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004		
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004		
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz UTHDi:0.17% ITHDi:18.77% KDisp:0.9691 Lamp Flux:1163.64x1 lm										
NAME: MD10-13-XX-04 4000K RA90 50D					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	22.9	23.8	23.1	24.0	24.2	23.0	23.9	23.2	24.1	24.3
3H	22.8	23.6	23.1	23.8	24.0	22.9	23.7	23.1	23.9	24.1
4H	22.7	23.5	23.0	23.8	24.0	22.8	23.6	23.1	23.9	24.1
6H	22.7	23.4	22.9	23.7	23.9	22.8	23.5	23.1	23.8	24.0
8H	22.6	23.3	22.9	23.6	23.9	22.7	23.4	23.0	23.7	24.0
12H	22.6	23.3	22.9	23.5	23.8	22.7	23.4	23.0	23.6	23.9
4H 2H	22.7	23.5	23.0	23.7	23.9	22.8	23.6	23.1	23.8	24.0
3H	22.6	23.3	22.9	23.6	23.9	22.7	23.4	23.0	23.7	24.0
4H	22.6	23.2	22.9	23.5	23.8	22.7	23.3	23.0	23.6	23.9
6H	22.5	23.0	22.9	23.4	23.7	22.6	23.1	23.0	23.5	23.8
8H	22.4	22.9	22.8	23.3	23.7	22.5	23.1	22.9	23.4	23.8
12H	22.4	22.9	22.8	23.2	23.6	22.5	23.0	22.9	23.3	23.7
8H 4H	22.4	22.9	22.8	23.3	23.7	22.5	23.1	22.9	23.4	23.8
6H	22.4	22.8	22.8	23.2	23.6	22.5	22.9	22.9	23.3	23.7
8H	22.3	22.7	22.8	23.1	23.5	22.4	22.8	22.9	23.2	23.6
12H	22.3	22.6	22.7	23.0	23.5	22.4	22.7	22.8	23.1	23.6
12H 4H	22.4	22.9	22.8	23.2	23.6	22.5	23.0	22.9	23.3	23.7
6H	22.3	22.7	22.7	23.1	23.5	22.4	22.8	22.9	23.2	23.6
8H	22.3	22.6	22.7	23.0	23.5	22.4	22.7	22.8	23.1	23.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.8 / - 6.2					+ 2.9 / - 6.2				
1.5H	+ 4.7 / - 5.1					+ 4.8 / - 5.1				
2.0H	+ 4.8 / - 3.6					+ 4.8 / - 3.5				

CIE Pub.117, 1164 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.5)
Area: 0.0013 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691 Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

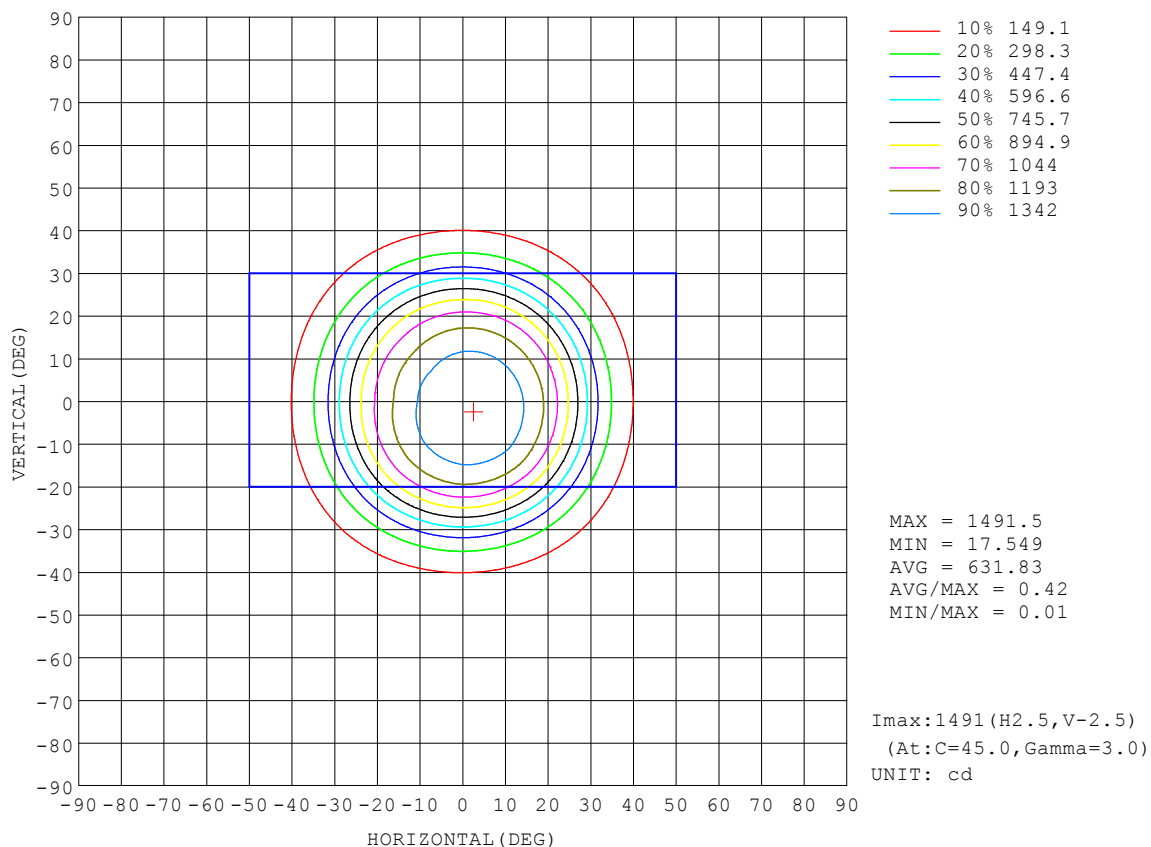
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	94	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	95
3.00	112	108	105	110	107	104	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	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:2023-12-26

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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691 Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

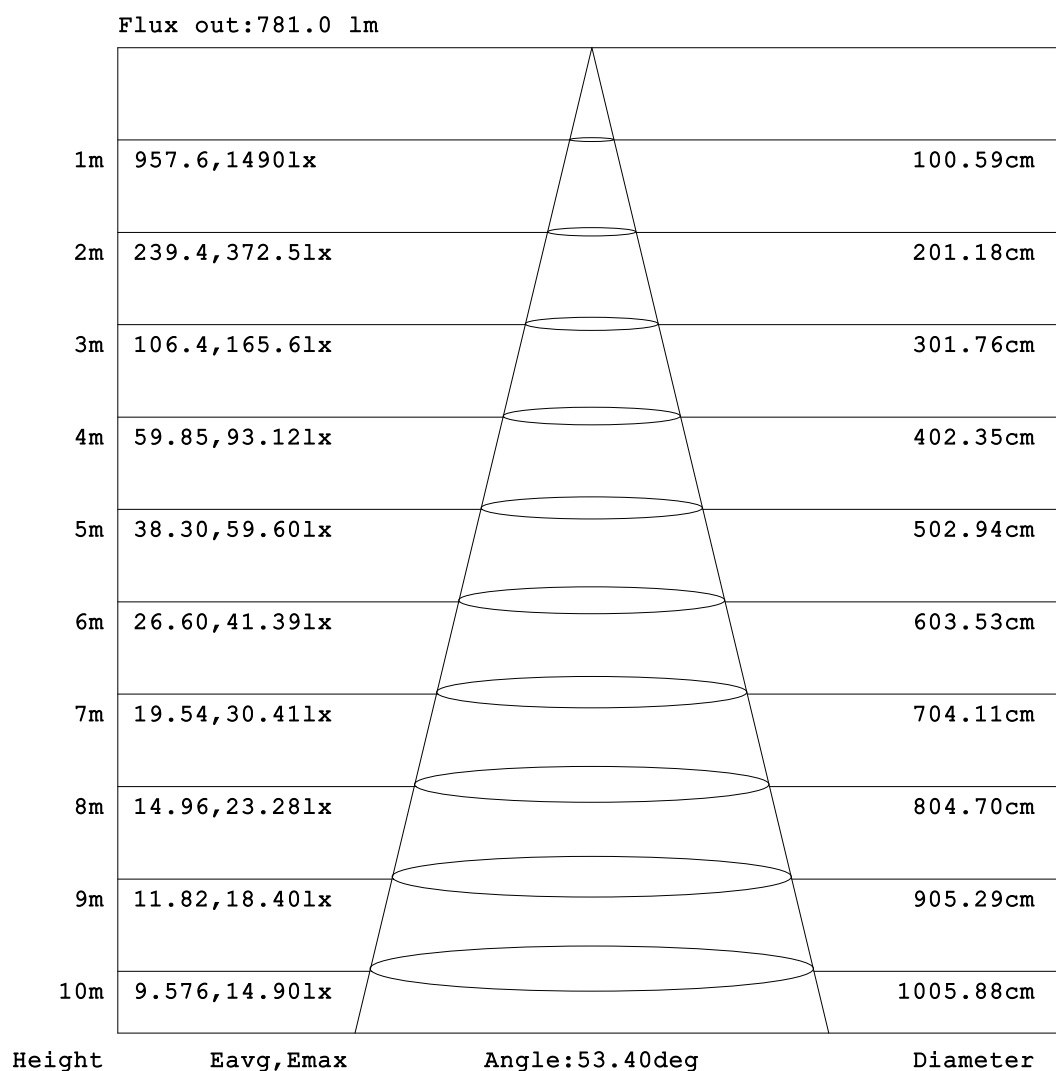


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-26

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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691		Lamp Flux:1163.64x1 lm
NAME: MD10-13-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



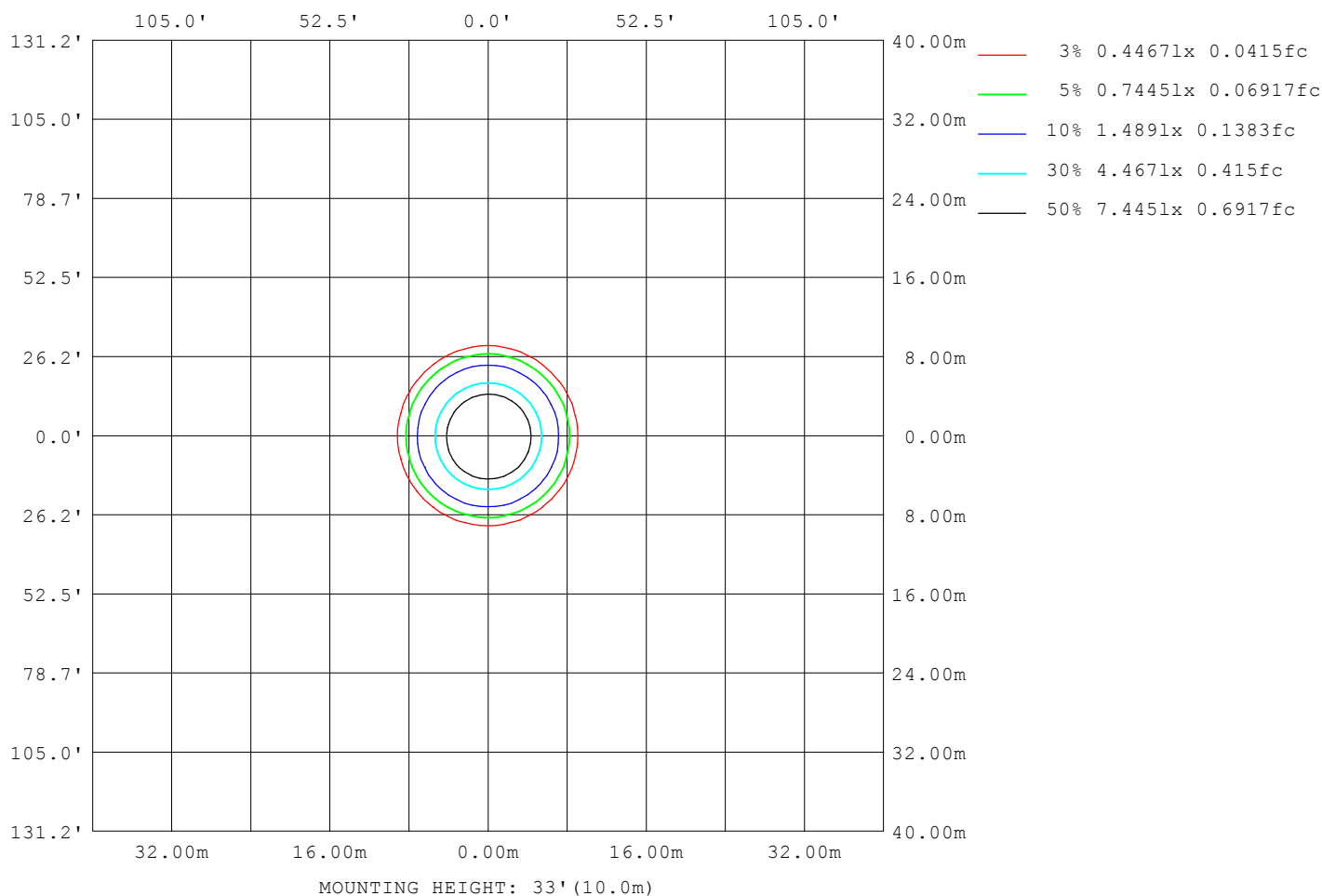
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691 Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D	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:2023-12-26

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:0.0569A P:13.0W PF:0.9522 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.77% KDisp:0.9691 Lamp Flux:1163.64x1 lm		
NAME: MD10-13-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

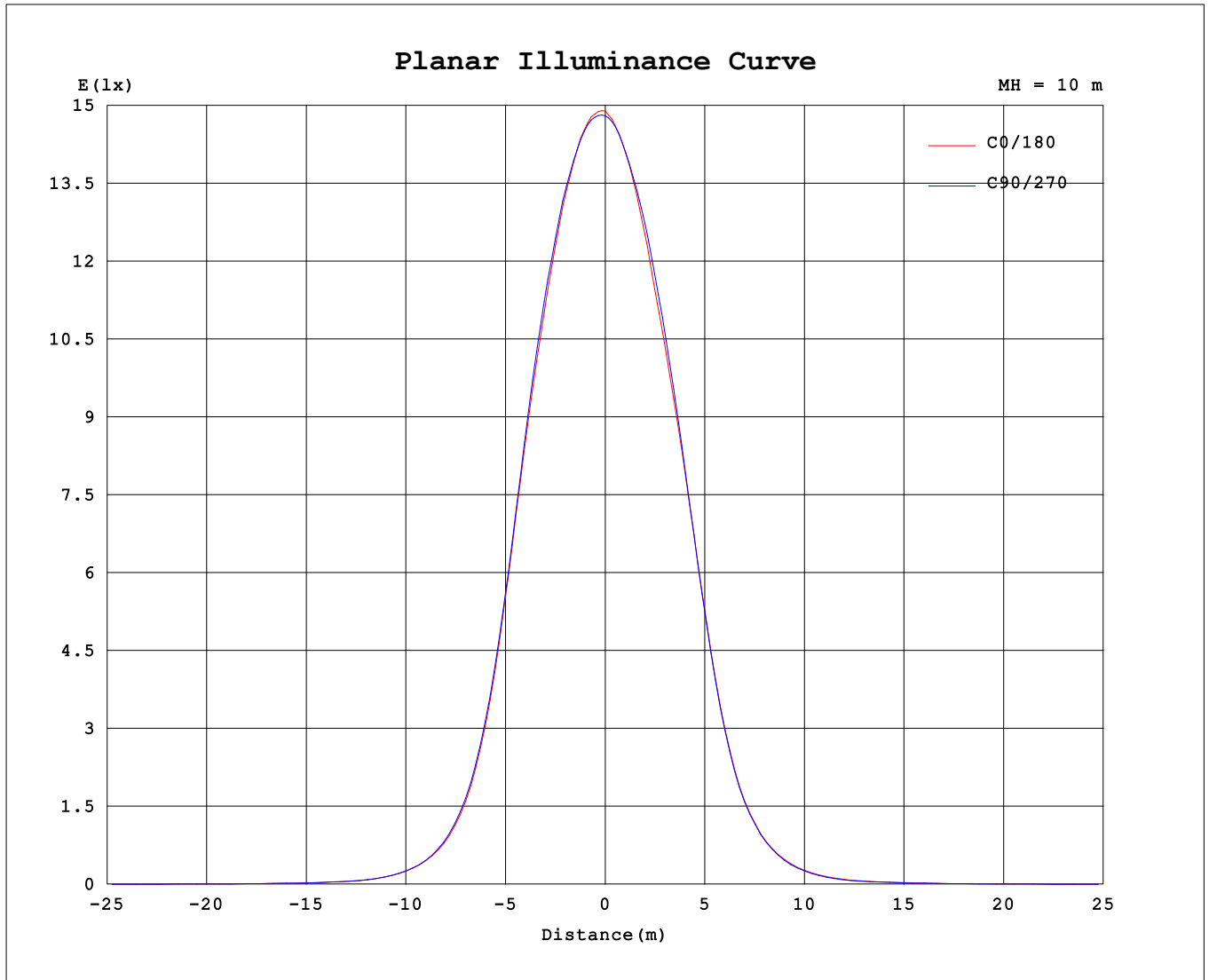
AvgL	cd/m2
L_0~180 (65) av	14024
L_0~180 (75) av	8041
L_0~180 (85) av	1718
L_90~270 (65) av	14165
L_90~270 (75) av	8390
L_90~270 (85) av	469
L_45 (65) av	14212
L_45 (75) av	8238
L_45 (85) av	370

Standard: GB/T 29293-2012

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

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: HIGH
 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	1483	1483	1483	1483	1483	1483	1483	1483
3.0	1483	1491	1486	1473	1459	1457	1467	1476
6.0	1471	1483	1477	1452	1423	1415	1433	1454
9.0	1436	1457	1448	1415	1371	1365	1390	1417
12.0	1388	1418	1408	1368	1304	1304	1337	1366
15.0	1315	1353	1341	1301	1223	1226	1261	1291
18.0	1221	1264	1253	1211	1133	1133	1167	1197
21.0	1099	1136	1123	1097	1025	1020	1042	1077
24.0	937.0	965.0	952.7	940.2	880.3	878.5	885.3	916.1
27.0	741.2	764.4	757.2	753.8	707.8	709.8	708.6	727.5
30.0	545.1	563.4	561.3	561.8	529.9	532.2	527.7	536.3
33.0	378.3	390.9	392.6	394.3	373.9	374.6	371.5	373.1
36.0	254.0	262.0	265.4	267.8	256.5	256.1	255.5	252.4
39.0	168.3	173.0	175.1	179.5	173.2	172.0	172.1	168.0
42.0	110.6	112.4	113.1	117.6	115.6	113.7	113.1	109.8
45.0	72.76	72.75	72.52	76.03	76.46	74.67	73.05	71.24
48.0	46.56	46.41	45.94	48.76	49.75	48.21	46.92	45.83
51.0	30.07	29.69	29.58	31.57	32.28	31.37	30.70	30.06
54.0	21.83	21.69	21.84	23.09	23.28	22.73	22.49	21.97
57.0	15.99	16.08	16.27	17.14	17.17	16.91	16.64	16.24
60.0	11.92	12.11	12.28	12.91	12.87	12.81	12.51	12.16
63.0	8.975	9.147	9.356	9.744	9.722	9.784	9.441	9.167
66.0	6.684	6.868	7.058	7.319	7.280	7.350	7.083	6.825
69.0	5.017	5.174	5.348	5.537	5.530	5.590	5.383	5.135
72.0	3.637	3.788	3.946	4.083	4.108	4.159	3.999	3.753
75.0	2.455	2.623	2.797	2.898	2.956	2.980	2.849	2.586
78.0	1.444	1.559	1.559	1.845	1.925	1.908	1.597	1.507
81.0	0.7777	0.7460	0.6407	0.8245	1.044	0.9142	0.6220	0.6764
84.0	0.2587	0.1233	0.0574	0.1223	0.4528	0.1397	0.0547	0.0675
87.0	0.0531	0.0373	0.0528	0.0400	0.0544	0.0398	0.0470	0.0371
90.0	0.0493	0.0398	0.0505	0.0406	0.0413	0.0421	0.0451	0.0409

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γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
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Remarks: