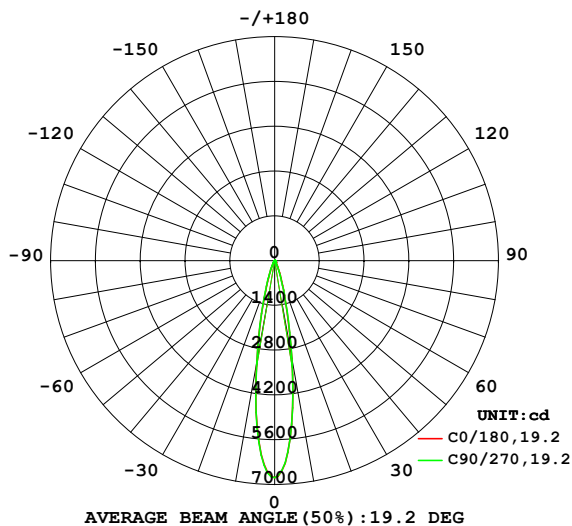


## LUMINAIRE PHOTOMETRIC TEST REPORT

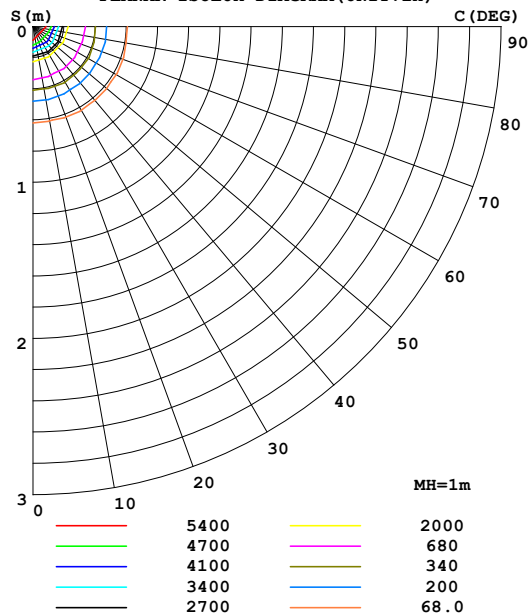
Test:U:240.2V I:0.0562A P:12.8W PF:0.9511 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.94% KDisp:0.9686 Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 84.23 lm/W
MODEL		I <sub>max</sub> (cd)	6785	S/MH (C0/180)		0.33
NOMINAL POWER(W)	13	LOR (%)	100.0	S/MH (C90/270)		0.33
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1081.9	η UP,DN (C0-180)		0.0,49.3
NOMINAL FLUX(lm)	1081.86	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,50.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	240.15	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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	3113	3092	3146	3224	3282	3319	3271	3177	0- 10	457.0	457.0	42.2,42.2
20	593.2	591.8	572.3	561.2	582.9	607.3	617.1	596.5	10- 20	405.7	862.7	79.7,79.7
30	132.1	132.2	125.8	115.5	120.2	130.0	138.6	129.4	20- 30	130.6	993.4	91.8,91.8
40	45.96	45.86	43.40	41.30	42.70	45.40	47.22	45.67	30- 40	46.82	1040	96.1,96.1
50	18.77	18.58	17.96	18.09	18.60	18.97	19.45	19.12	40- 50	22.86	1063	98.3,98.3
60	7.580	7.717	7.823	7.972	8.046	7.977	7.801	7.556	50- 60	10.79	1074	99.3,99.3
70	3.016	3.553	3.863	3.881	3.800	3.744	3.552	3.092	60- 70	5.579	1079	99.8,99.8
80	0.9544	0.9782	0.8982	0.9798	1.073	0.9810	0.7865	0.8296	70- 80	2.169	1082	100,100
90	0.0522	0.0391	0.0577	0.0363	0.0369	0.0410	0.0461	0.0347	80- 90	0.2977	1082	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): 1053.6 lm

%lum = 97.4%

%lamp = 97.4%

Conical surface Flux(120deg): 1073.8 lm

%lum = 99.3%

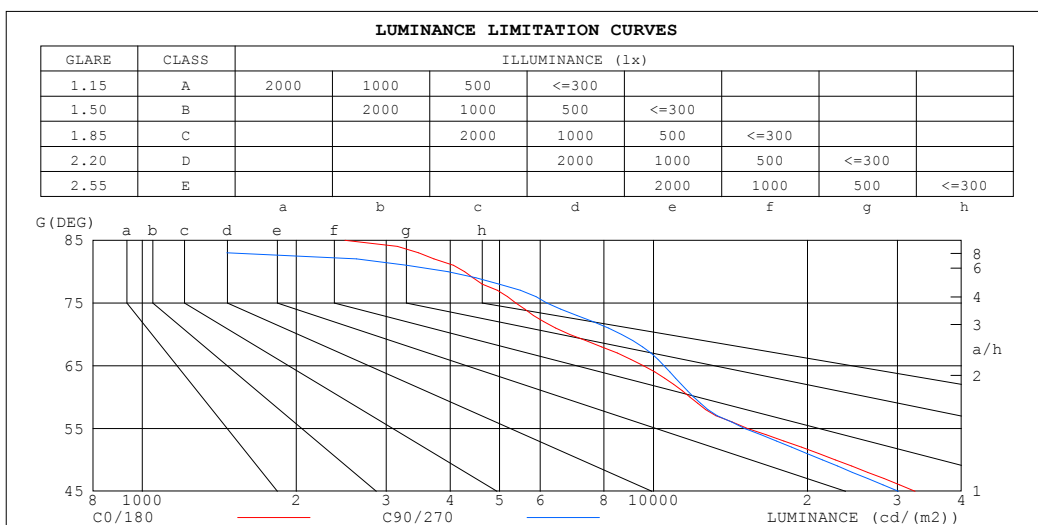
%lamp = 99.3%

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.9511 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.94% KDisp:0.9686 Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



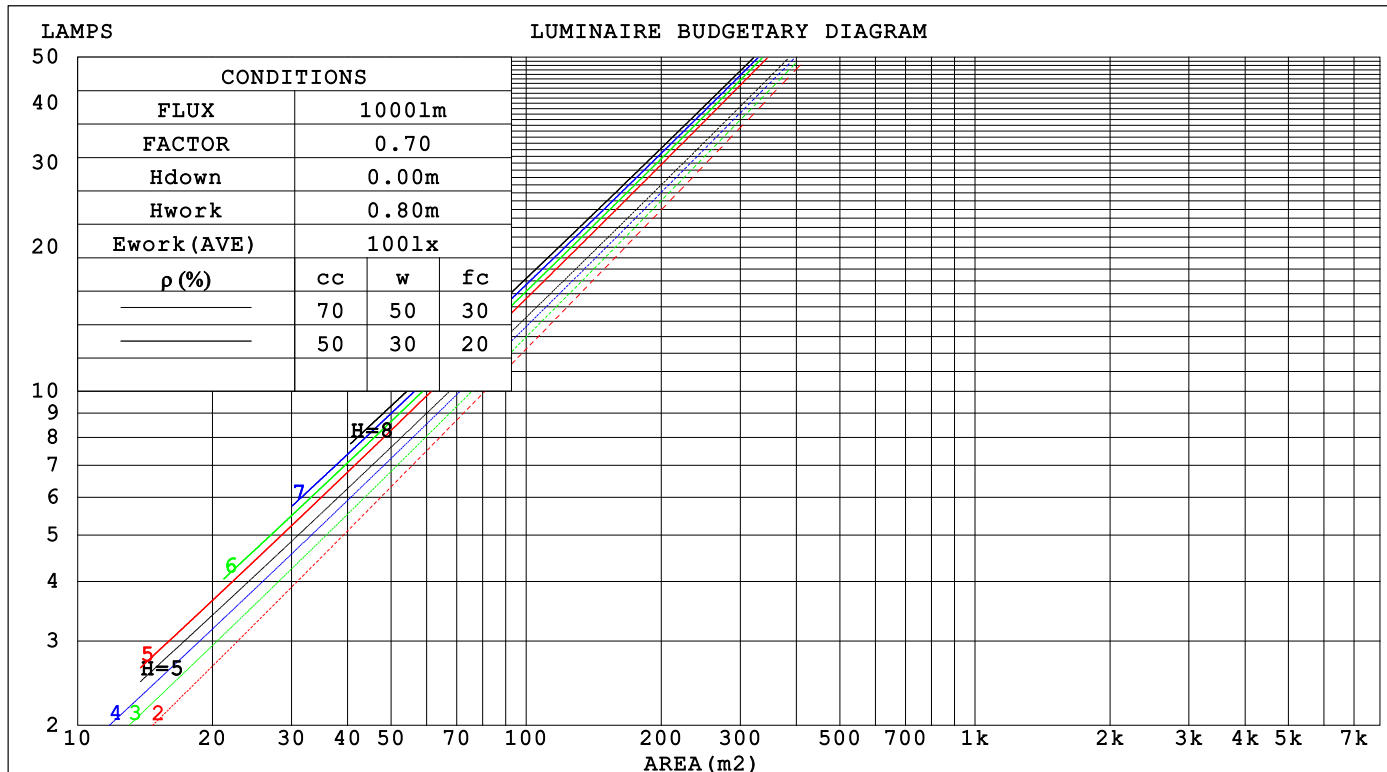
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.9511 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.94% KDisp:0.9686		
Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D	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	1.08	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.97														
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	.00	.98	.97	.97	.96	.95	.93														
3.0	1.03	.99	.97	1.02	.98	.96	.99	.97	.94	.97	.95	.93	.95	.93	.91	.90														
4.0	.99	.95	.92	.98	.94	.92	.96	.93	.91	.94	.92	.90	.92	.90	.89	.87														
5.0	.96	.91	.88	.95	.91	.88	.93	.90	.87	.92	.89	.87	.90	.88	.86	.85														
6.0	.92	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.84	.88	.85	.83	.82														
7.0	.90	.85	.83	.89	.85	.82	.88	.84	.82	.87	.84	.82	.86	.83	.81	.80														
8.0	.87	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.78														
9.0	.85	.81	.78	.84	.81	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.76														
10.0	.83	.79	.76	.82	.78	.76	.82	.78	.76	.81	.78	.76	.80	.77	.75	.75														



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:0.9511 Freq:49.99Hz			UTHDi:0.17% ITHDi:18.94% KDisp:0.9686			Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D			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	.137	.078	.025	.131	.075	.024	.118	.068	.022	.107	.062	.020	.096	.056	.018		
2.0	.127	.070	.021	.122	.067	.021	.112	.062	.019	.102	.057	.018	.094	.053	.017		
3.0	.119	.063	.019	.114	.061	.018	.105	.057	.017	.098	.053	.016	.090	.050	.015		
4.0	.111	.058	.017	.107	.056	.017	.100	.053	.016	.093	.050	.015	.087	.047	.014		
5.0	.104	.053	.015	.101	.052	.015	.095	.049	.014	.089	.047	.014	.084	.045	.013		
6.0	.098	.049	.014	.095	.048	.014	.090	.046	.013	.085	.044	.013	.080	.042	.013		
7.0	.093	.046	.013	.090	.045	.013	.086	.043	.012	.081	.042	.012	.077	.040	.012		
8.0	.088	.043	.012	.086	.042	.012	.082	.041	.012	.078	.040	.011	.075	.038	.011		
9.0	.084	.041	.011	.082	.040	.011	.078	.039	.011	.075	.038	.011	.072	.037	.011		
10.0	.080	.038	.011	.078	.038	.011	.075	.037	.010	.072	.036	.010	.070	.035	.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	.135	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011		
4.0	.123	.098	.079	.105	.085	.069	.072	.059	.048	.042	.035	.029	.013	.011	.009		
5.0	.112	.086	.066	.096	.074	.057	.066	.052	.041	.038	.030	.024	.012	.010	.008		
6.0	.103	.076	.056	.089	.065	.049	.061	.046	.034	.035	.027	.020	.011	.009	.007		
7.0	.095	.067	.048	.082	.058	.042	.057	.041	.029	.033	.024	.018	.011	.008	.006		
8.0	.089	.061	.041	.076	.052	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005		
9.0	.083	.055	.036	.071	.048	.031	.049	.033	.022	.029	.020	.013	.009	.006	.004		
10.0	.078	.050	.031	.067	.043	.027	.047	.031	.020	.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:0.9511 Freq:49.99Hz UTHDi:0.17% ITHDi:18.94% KDisp:0.9686 Lamp Flux:1081.86x1 lm										
NAME: MD10-13-XX-04 3000K RA90 15D					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	15.5	16.1	15.7	16.3	16.4	15.3	15.9	15.5	16.1	16.2
3H	15.7	16.3	15.9	16.4	16.6	15.6	16.2	15.8	16.4	16.6
4H	15.7	16.3	15.9	16.5	16.7	15.6	16.2	15.9	16.4	16.6
6H	15.7	16.2	16.0	16.4	16.7	15.6	16.2	15.9	16.4	16.7
8H	15.6	16.2	15.9	16.4	16.7	15.6	16.1	15.9	16.4	16.6
12H	15.6	16.1	15.9	16.4	16.6	15.6	16.1	15.9	16.3	16.6
4H 2H	15.5	16.1	15.8	16.3	16.5	15.4	15.9	15.6	16.1	16.3
3H	15.8	16.3	16.1	16.5	16.8	15.7	16.2	16.0	16.5	16.8
4H	15.8	16.3	16.2	16.6	16.9	15.8	16.3	16.2	16.6	16.9
6H	15.8	16.2	16.2	16.6	16.9	15.8	16.3	16.2	16.6	16.9
8H	15.8	16.2	16.2	16.5	16.9	15.8	16.2	16.2	16.5	16.9
12H	15.8	16.1	16.2	16.5	16.9	15.7	16.1	16.1	16.5	16.9
8H 4H	15.8	16.2	16.2	16.5	16.9	15.8	16.1	16.1	16.5	16.9
6H	15.8	16.1	16.2	16.5	16.9	15.8	16.1	16.2	16.5	16.9
8H	15.8	16.1	16.2	16.5	16.9	15.8	16.1	16.2	16.5	16.9
12H	15.7	16.0	16.2	16.4	16.9	15.7	15.9	16.2	16.4	16.9
12H 4H	15.7	16.1	16.1	16.4	16.8	15.7	16.1	16.1	16.4	16.8
6H	15.8	16.0	16.2	16.5	16.9	15.8	16.0	16.2	16.5	16.9
8H	15.7	16.0	16.2	16.4	16.9	15.7	16.0	16.2	16.4	16.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.5 / - 2.4					+ 1.4 / - 2.1				
1.5H	+ 2.3 / - 2.1					+ 2.1 / - 1.8				
2.0H	+ 2.8 / - 1.8					+ 2.6 / - 1.6				

CIE Pub.117, 1082 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:0.9511 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.94% KDisp:0.9686 Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

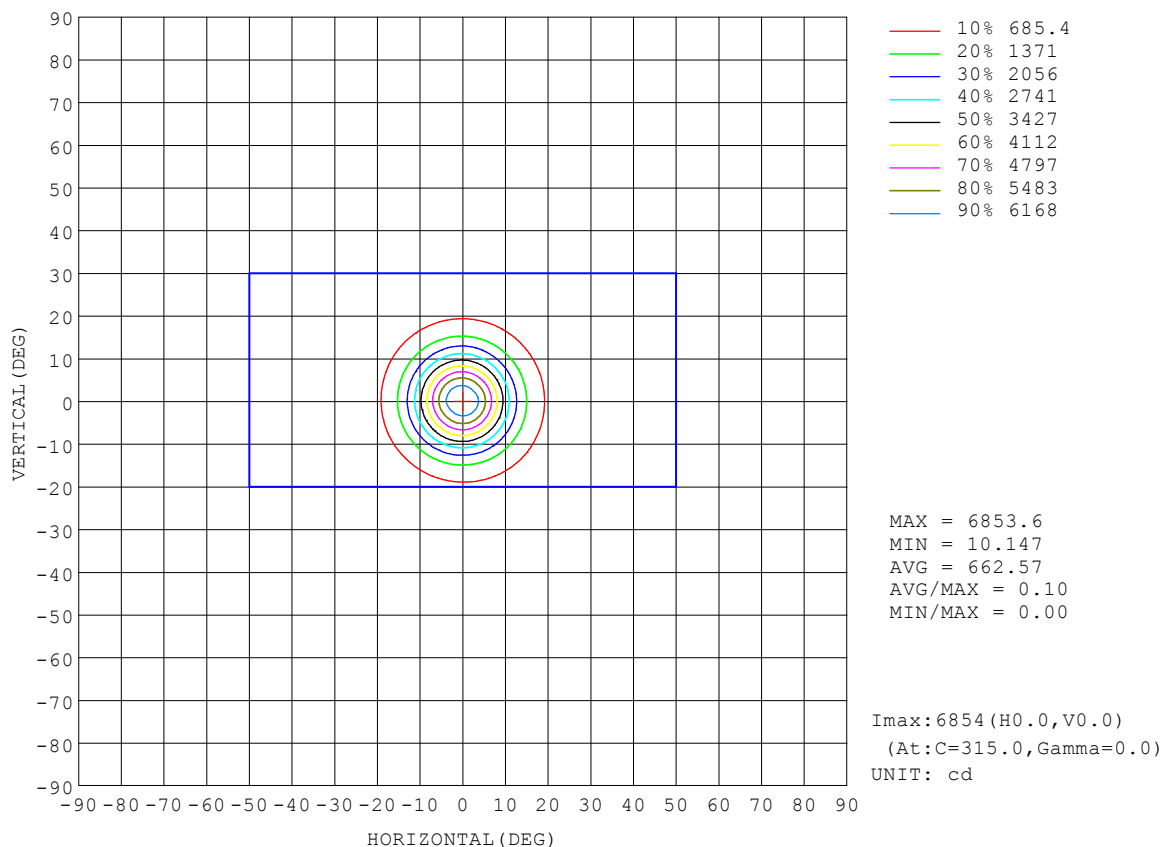
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	79	88	83	79	76
0.80	96	91	87	96	90	87	95	90	87	83
1.00	100	95	92	100	95	91	98	94	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	101	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: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:0.9511 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.94% KDisp:0.9686 Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



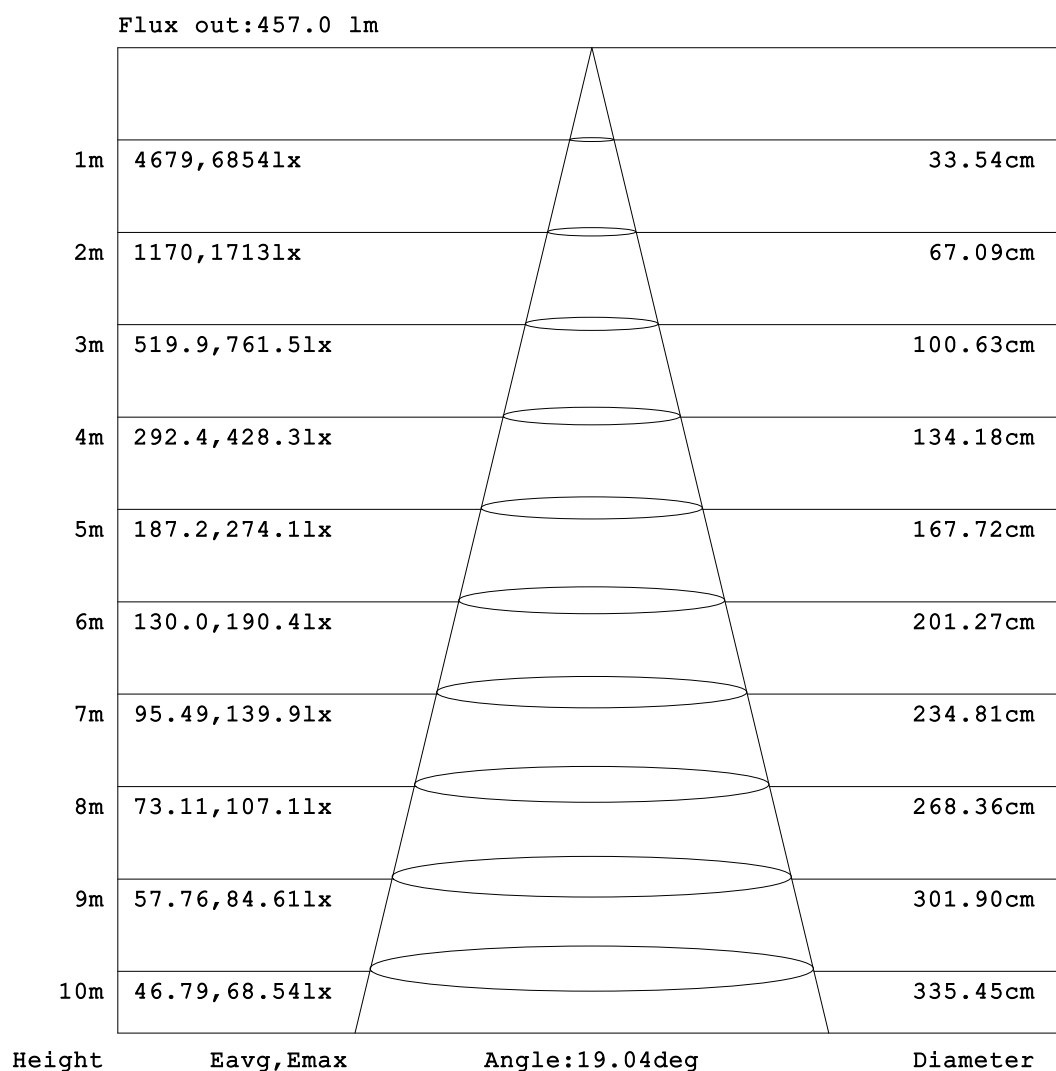
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-26

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:0.9511 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.94% KDisp:0.9686		Lamp Flux:1081.86x1 lm
NAME: MD10-13-XX-04 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



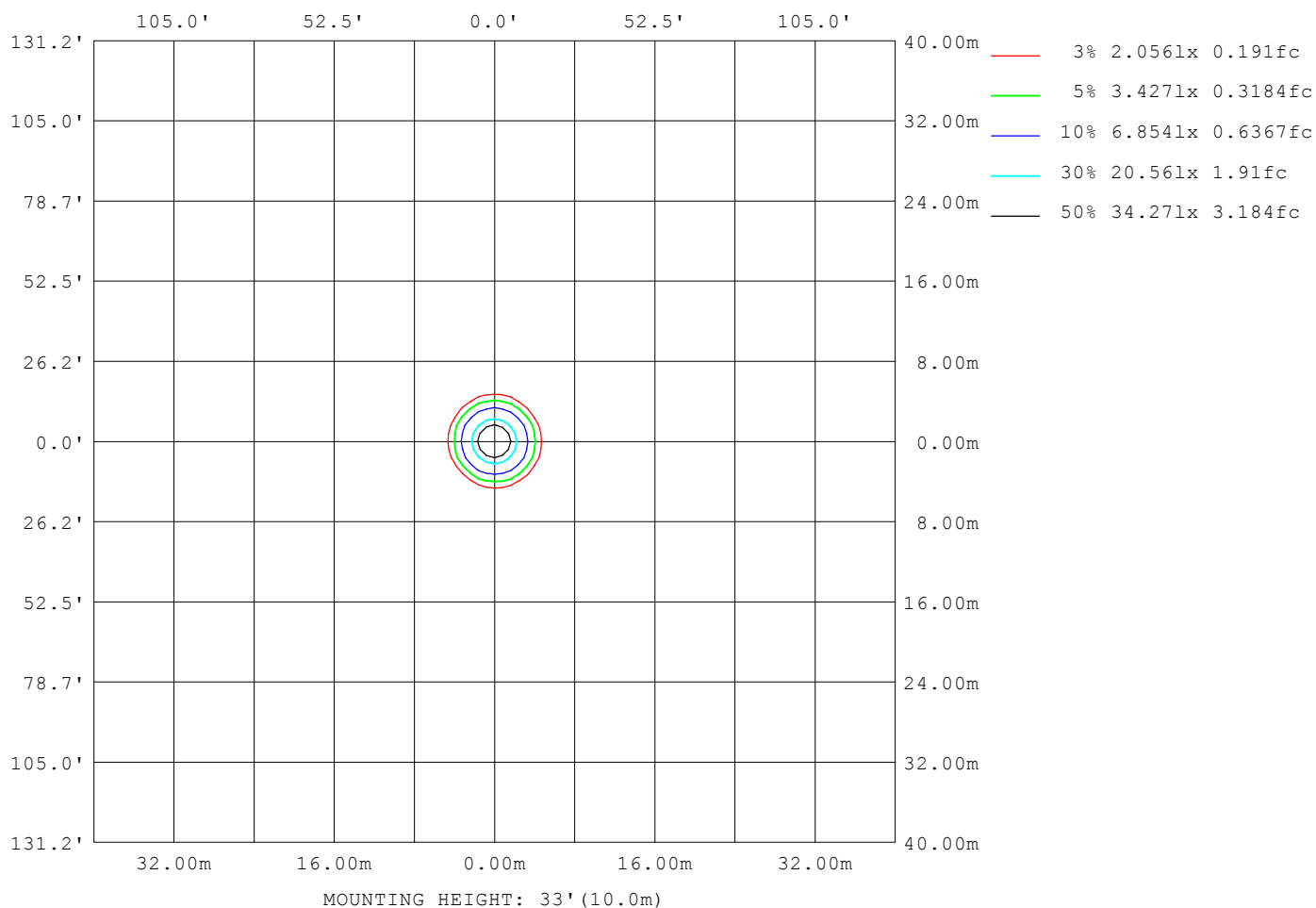
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.9511 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.94% KDisp:0.9686 Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D	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:0.9511 Freq:49.99Hz UTHDi:0.17% ITHDi:18.94% KDisp:0.9686 Lamp Flux:1081.86x1 lm		
NAME: MD10-13-XX-04 3000K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

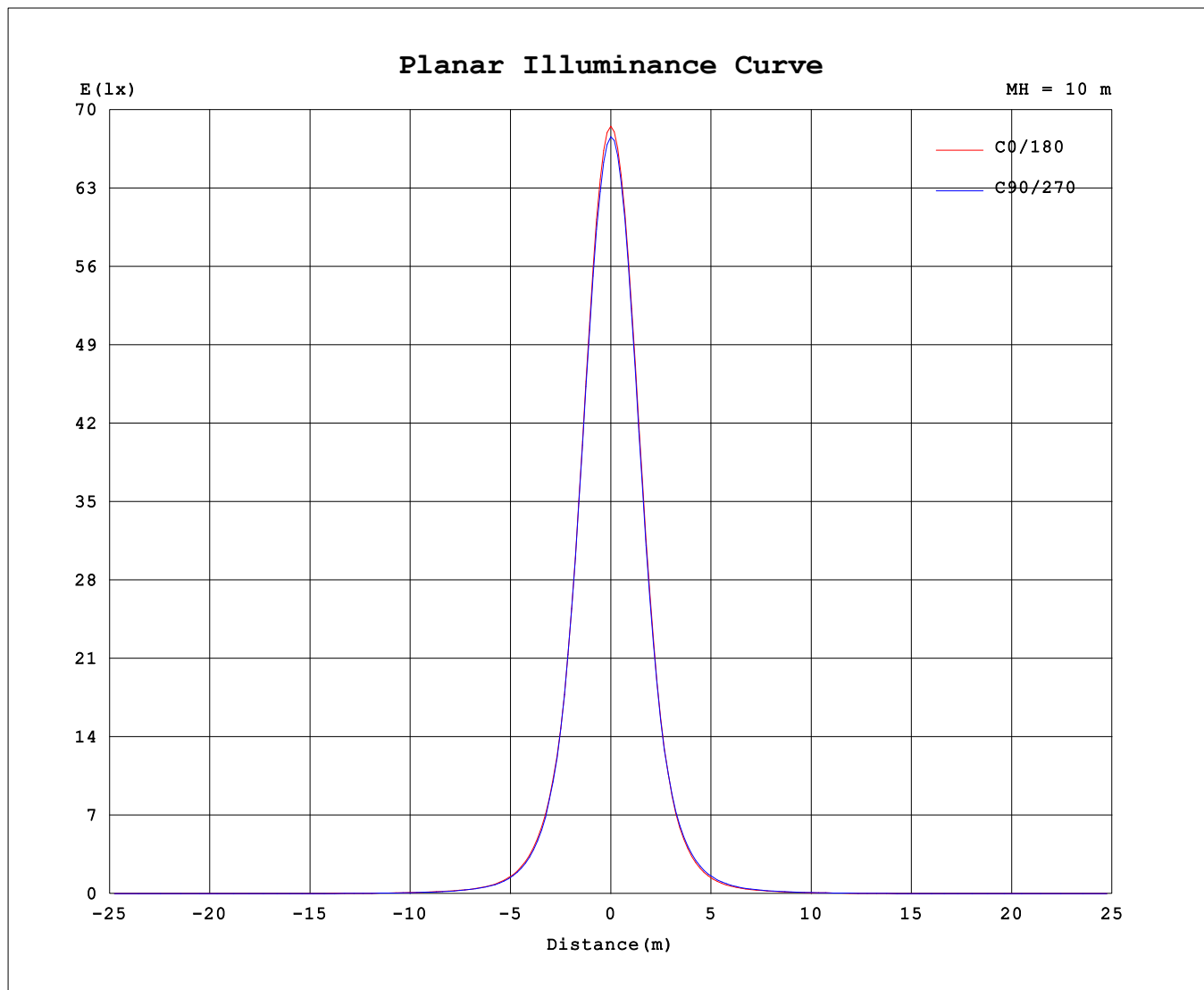
AvgL	cd/m2
L_0~180 (65) av	10105
L_0~180 (75) av	5667
L_0~180 (85) av	2746
L_90~270 (65) av	10414
L_90~270 (75) av	6022
L_90~270 (85) av	562
L_45 (65) av	10247
L_45 (75) av	5796
L_45 (85) av	374

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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	6785	6785	6785	6785	6785	6785	6785	6785
3.0	6340	6314	6320	6345	6378	6408	6407	6382
6.0	5131	5098	5140	5204	5259	5296	5269	5194
9.0	3604	3580	3634	3714	3772	3814	3763	3668
12.0	2258	2251	2291	2354	2405	2432	2394	2308
15.0	1350	1353	1351	1386	1425	1446	1433	1375
18.0	820.5	818.8	800.2	802.0	827.9	853.6	859.3	828.9
21.0	506.0	504.4	486.2	472.5	491.3	514.4	526.1	506.5
24.0	315.2	314.5	302.1	283.9	297.3	317.2	328.0	312.8
27.0	201.2	200.6	191.7	176.7	184.7	199.9	212.6	197.2
30.0	132.1	132.2	125.8	115.5	120.2	130.0	138.6	129.4
33.0	91.34	91.66	87.01	80.20	82.89	89.57	95.01	89.82
36.0	66.49	66.63	63.26	58.86	60.79	65.25	68.66	65.55
39.0	50.23	50.21	47.55	44.96	46.46	49.61	51.70	49.84
42.0	38.49	38.25	36.18	34.85	36.31	38.17	39.52	38.48
45.0	29.57	29.27	27.80	27.27	28.37	29.35	30.37	29.84
48.0	22.61	22.33	21.39	21.36	22.05	22.61	23.26	23.00
51.0	17.04	16.90	16.39	16.62	17.06	17.32	17.64	17.36
54.0	12.54	12.55	12.43	12.71	12.96	13.03	13.05	12.74
57.0	9.278	9.359	9.473	9.733	9.827	9.807	9.580	9.294
60.0	7.580	7.717	7.823	7.972	8.046	7.977	7.801	7.556
63.0	6.144	6.412	6.545	6.634	6.712	6.638	6.492	6.162
66.0	4.727	5.207	5.415	5.461	5.497	5.416	5.251	4.819
69.0	3.399	3.969	4.260	4.290	4.234	4.170	3.980	3.491
72.0	2.427	2.794	3.071	3.076	2.957	2.928	2.782	2.432
75.0	1.792	1.967	2.088	2.053	2.021	2.011	1.964	1.770
78.0	1.236	1.375	1.354	1.397	1.421	1.395	1.213	1.191
81.0	0.8175	0.7882	0.6718	0.7717	0.9173	0.7756	0.5812	0.6471
84.0	0.4245	0.2426	0.0738	0.1969	0.4716	0.2371	0.0622	0.1037
87.0	0.0690	0.0317	0.0613	0.0347	0.0649	0.0356	0.0581	0.0314
90.0	0.0522	0.0391	0.0577	0.0363	0.0369	0.0410	0.0461	0.0347

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γ Range: 0 - 90DEG  
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Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks: