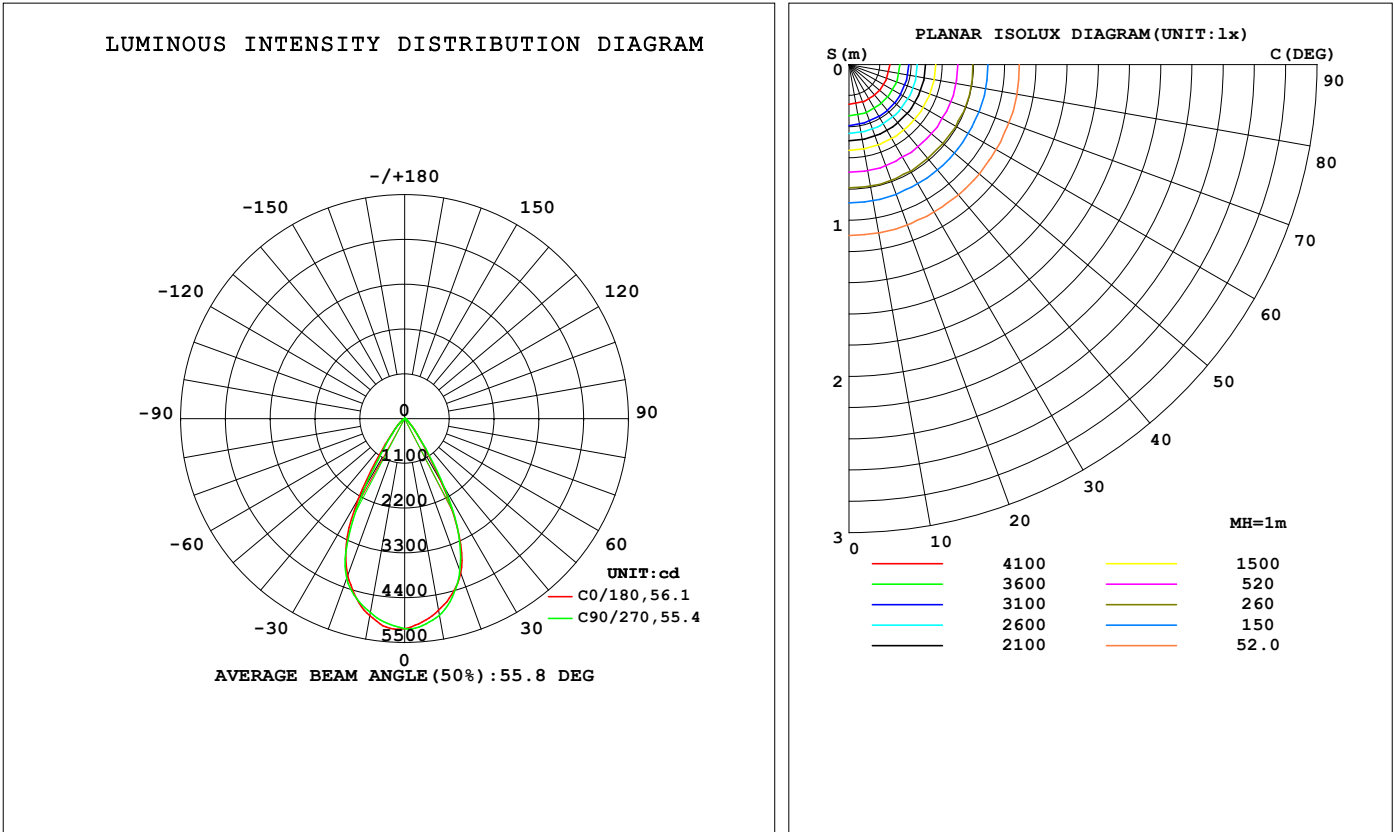


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.4V I:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz		
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934 Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 107.35 lm/W
MODEL		Imax (cd)	5174	S/MH(C0/180)	0.85	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	0.82	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	4140.2	η UP,DN(C0-180)	0.0,49.4	
NOMINAL FLUX(lm)	4140.18	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.6	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	240.35	η down (%)	100.0	CIBSE SHR MAX	0.85	



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-25

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	4783	4836	4913	4943	4919	4915	4840	4789	0- 10	477.8	477.8	11.5,11.5
20	4031	3978	3973	4080	4091	4176	4170	4064	10- 20	1269	1747	42.2,42.2
30	1869	1896	1980	2221	2283	2170	1972	1789	20- 30	1445	3192	77.1,77.1
40	422.0	420.0	435.6	499.0	509.1	486.2	462.9	413.6	30- 40	631.9	3824	92.4,92.4
50	127.9	124.2	124.1	141.1	148.8	141.8	132.9	125.8	40- 50	199.6	4024	97.2,97.2
60	51.56	51.00	53.31	55.32	56.76	56.27	52.78	51.87	50- 60	75.55	4099	99,99
70	14.07	14.85	16.45	17.63	18.17	17.34	15.74	14.38	60- 70	31.89	4131	99.8,99.8
80	2.533	2.657	2.929	3.043	3.100	2.923	2.918	2.548	70- 80	8.080	4139	100,100
90	0.1460	0.1125	0.1392	0.1016	0.1133	0.1122	0.2440	0.1376	80- 90	1.157	4140	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): 3949.6 lm

%lum = 95.4%

%lamp = 95.4%

Conical surface Flux(120deg): 4099 lm

%lum = 99.0%

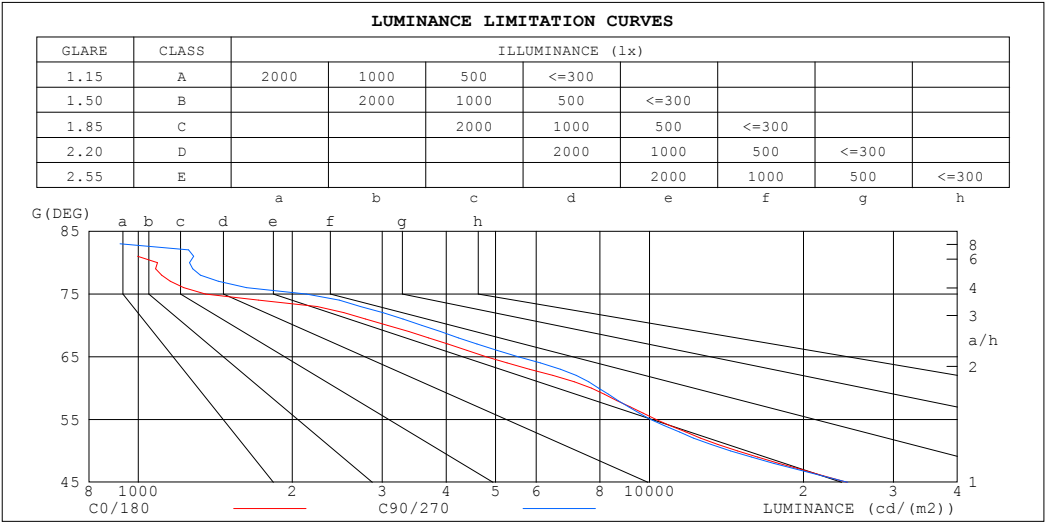
%lamp = 99.0%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz		
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934 Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	429	634
80	1090	1258
75	1353	2132
70	3073	3589
65	4796	5532
60	7704	7954
55	10300	10063
50	14867	14402
45	24326	24417

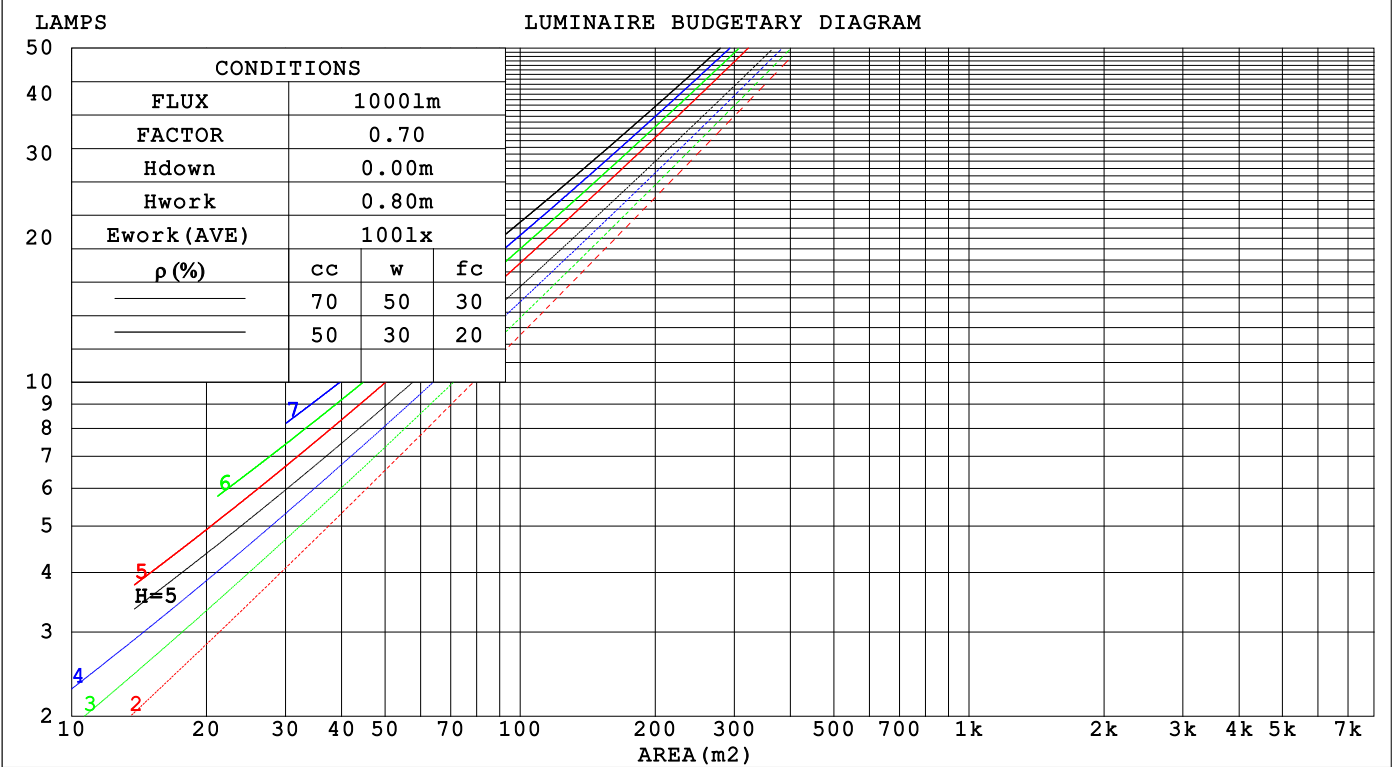
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz			UTHDi:0.18% ITHDi:22.05% KDisp:0.9934			Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 131mm			Shielding Angle:		

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.81	.87	.83	.80	.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	.66	.75	.69	.65	.74	.69	.65	.72	.68	.65	.71	.67	.64	.63
8.0	.71	.66	.62	.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	.58	.64	.60	.57	.56
10.0	.64	.59	.55	.64	.58	.55	.63	.58	.55	.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:2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz			UTHDi:0.18% ITHDi:22.05% KDisp:0.9934			Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 131mm			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	.175	.100	.032	.169	.096	.031	.156	.090	.029	.145	.083	.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	.137	.075	.023	.130	.072	.022															
4.0	.152	.079	.023	.148	.077	.023	.140	.074	.022	.133	.071	.021	.126	.068	.021															
5.0	.144	.074	.021	.141	.072	.021	.134	.070	.021	.128	.067	.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	.062	.018	.119	.061	.018	.114	.059	.017															
8.0	.126	.062	.017	.123	.061	.017	.119	.059	.017	.114	.058	.017	.110	.057	.016															
9.0	.121	.058	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	.107	.054	.016															
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.106	.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	.085	.051	.027	.059	.036	.020	.034	.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:2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz										
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934					Lamp Flux:4140.18x1 lm					
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Norming lighting					SUR.: 131mm			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		18.2	19.1	18.4	19.3	19.4	18.5	19.4	18.7	19.6
	3H	18.1	19.0	18.4	19.2	19.4	18.4	19.3	18.7	19.5
	4H	18.0	18.8	18.3	19.1	19.3	18.3	19.2	18.6	19.4
	6H	17.9	18.7	18.2	18.9	19.2	18.3	19.0	18.6	19.3
	8H	17.9	18.6	18.2	18.9	19.1	18.2	18.9	18.5	19.2
	12H	17.9	18.5	18.2	18.8	19.1	18.2	18.9	18.5	19.1
4H	2H	18.0	18.8	18.3	19.1	19.3	18.3	19.1	18.6	19.3
	3H	18.0	18.7	18.3	18.9	19.2	18.3	19.0	18.6	19.2
	4H	17.9	18.5	18.2	18.8	19.1	18.2	18.8	18.5	19.1
	6H	17.8	18.4	18.2	18.7	19.0	18.1	18.7	18.5	19.0
	8H	17.8	18.3	18.1	18.6	19.0	18.1	18.6	18.5	18.9
	12H	17.7	18.2	18.1	18.5	18.9	18.0	18.5	18.4	18.9
8H	4H	17.8	18.3	18.1	18.6	19.0	18.1	18.6	18.5	18.9
	6H	17.7	18.1	18.1	18.5	18.9	18.0	18.4	18.4	18.8
	8H	17.6	18.0	18.1	18.4	18.8	17.9	18.3	18.4	18.7
	12H	17.6	17.9	18.0	18.3	18.8	17.9	18.2	18.3	18.6
12H	4H	17.7	18.2	18.1	18.5	18.9	18.0	18.5	18.4	18.9
	6H	17.6	18.0	18.1	18.4	18.8	17.9	18.3	18.4	18.7
	8H	17.6	17.9	18.0	18.3	18.8	17.9	18.2	18.3	18.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H		+ 2.6 / - 4.7				+ 2.7 / - 4.7				
1.5H		+ 4.1 / - 3.6				+ 4.4 / - 3.7				
2.0H		+ 4.0 / - 3.5				+ 4.0 / - 3.2				

CIE Pub.117, 4140 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.9$)
Area: 0.0134 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz		
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934 Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

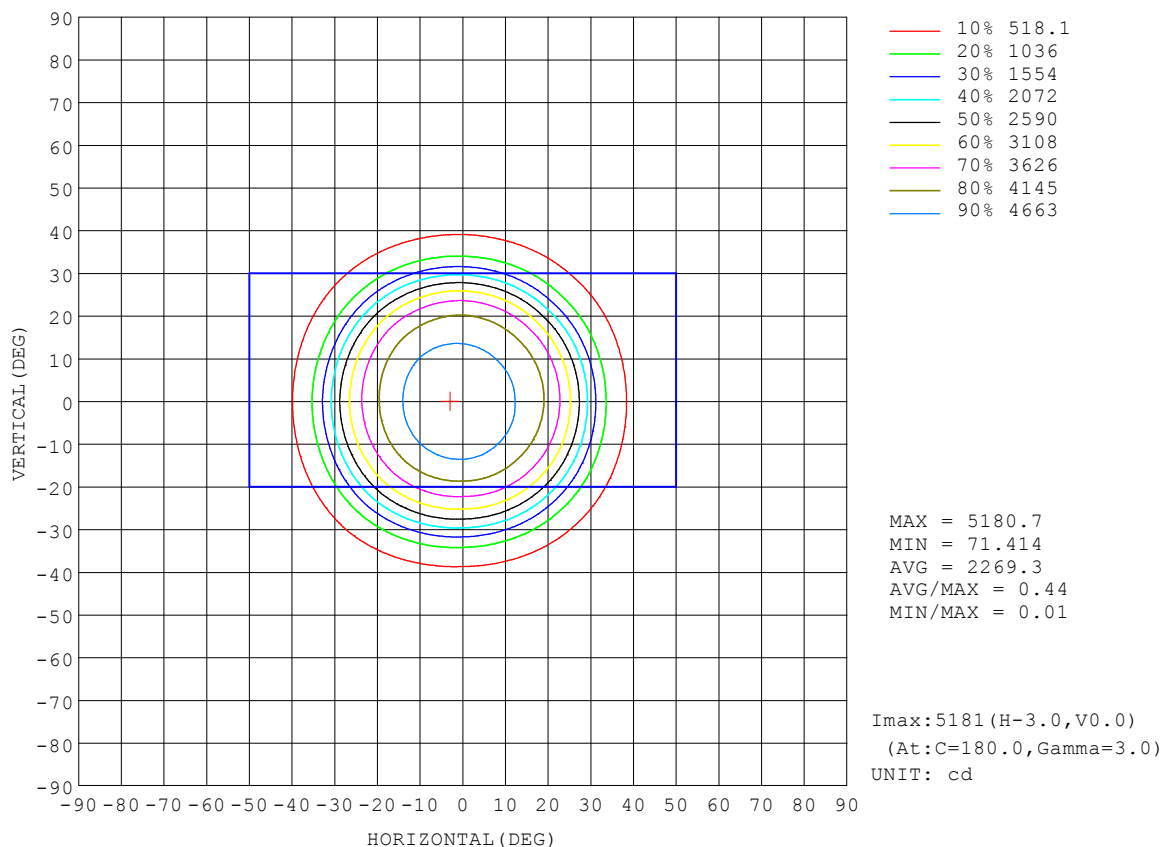
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	73
0.80	94	88	85	94	88	84	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	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	102	105	103	100	95
3.00	112	108	106	110	107	104	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
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: 2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz		
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934 Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

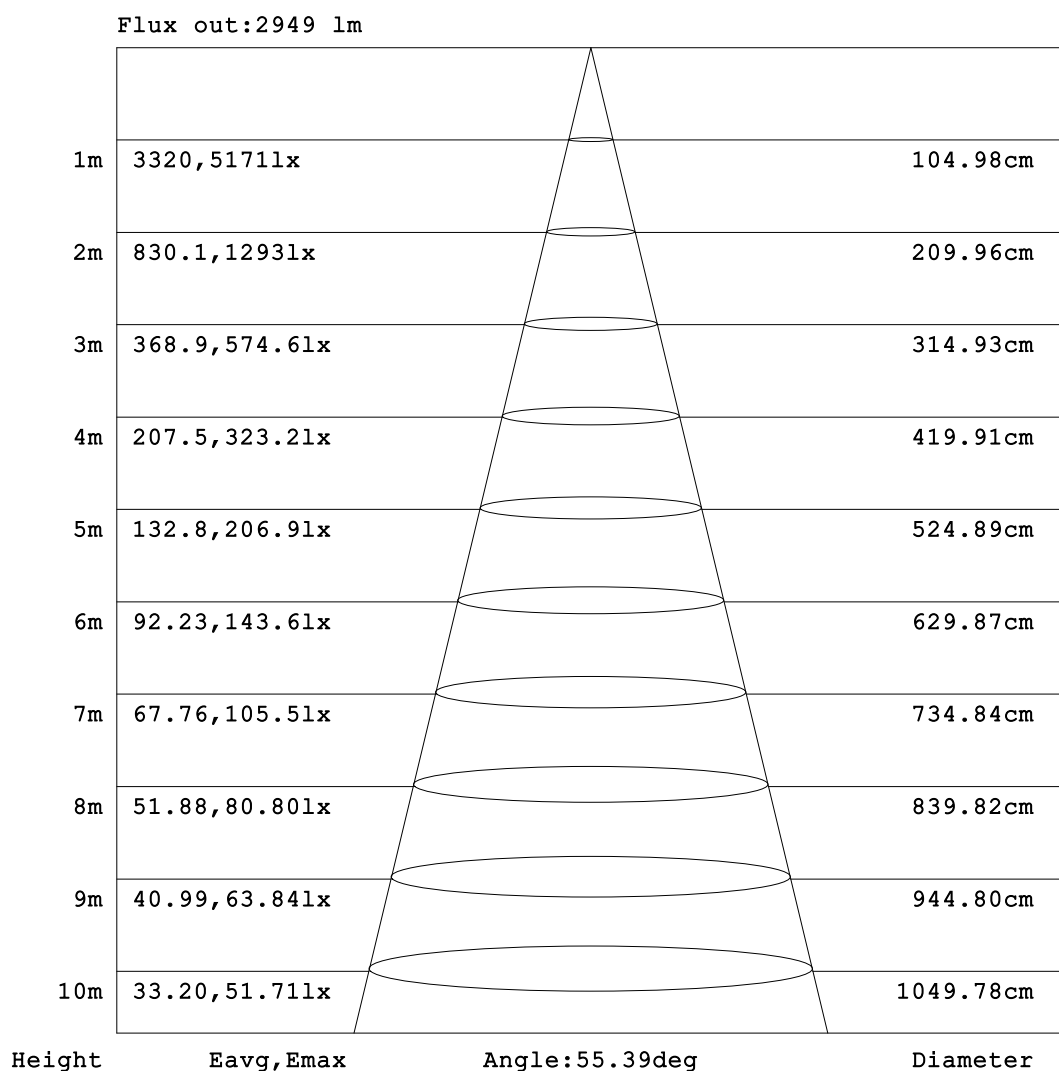


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz		
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934 Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



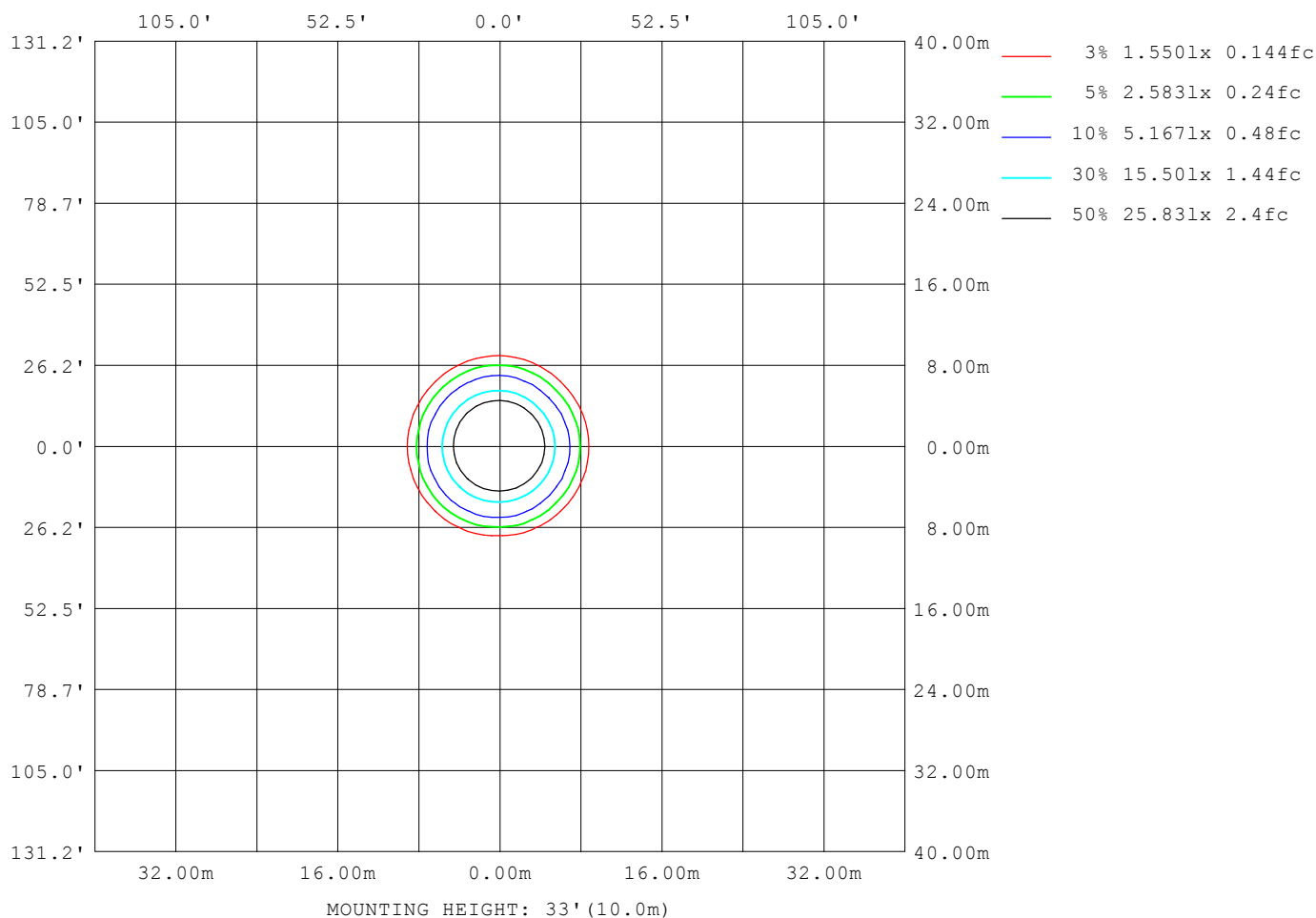
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz		
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934 Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-25

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:0.1620A P:38.6W PF:0.9902 Freq:49.99Hz		
UTHDi:0.18% ITHDi:22.05% KDisp:0.9934 Lamp Flux:4140.18x1 lm		
NAME: TR11-45-XX-01+白色防眩环 4000K RA90 60D 40W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

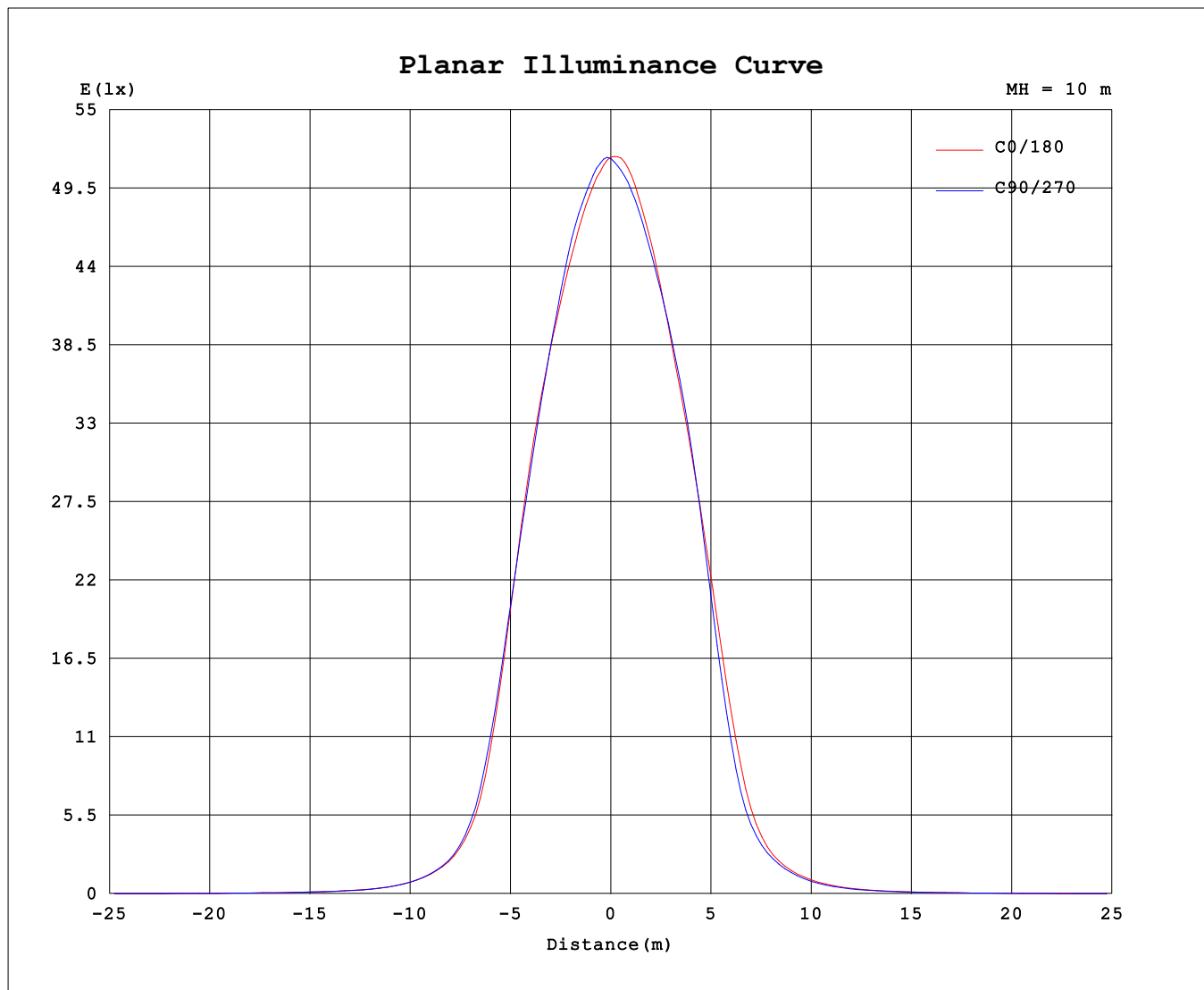
AvgL	cd/m2
L_0~180 (65) av	5455
L_0~180 (75) av	1933
L_0~180 (85) av	603
L_90~270 (65) av	5399
L_90~270 (75) av	1943
L_90~270 (85) av	734
L_45 (65) av	5405
L_45 (75) av	1914
L_45 (85) av	577

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-25

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: 2024-09-25

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	5161	5161	5161	5161	5161	5161	5161	5161
3.0	5081	5114	5147	5168	5174	5147	5096	5070
6.0	4976	5011	5065	5103	5113	5082	5011	4975
9.0	4838	4887	4955	4991	4969	4956	4888	4839
12.0	4670	4723	4786	4818	4804	4812	4740	4688
15.0	4473	4490	4532	4581	4573	4620	4579	4511
18.0	4239	4210	4227	4293	4295	4373	4357	4283
21.0	3906	3849	3830	3948	3980	4059	4050	3943
24.0	3386	3347	3341	3491	3570	3617	3547	3401
27.0	2672	2675	2727	2938	3012	2974	2808	2630
30.0	1869	1896	1980	2221	2283	2170	1972	1789
33.0	1139	1170	1265	1482	1519	1371	1210	1086
36.0	715.4	723.6	769.8	897.1	918.8	847.1	766.4	692.2
39.0	477.6	478.0	495.2	571.8	582.0	550.7	522.1	467.4
42.0	330.5	327.3	339.7	385.7	398.0	382.0	364.3	326.3
45.0	230.2	227.7	231.4	263.8	277.2	263.7	249.4	226.5
48.0	160.4	156.6	156.9	180.0	189.8	180.5	169.7	158.0
51.0	114.7	111.5	111.5	125.8	132.3	126.3	118.6	113.1
54.0	86.26	83.21	84.15	91.60	95.76	93.38	87.30	85.22
57.0	66.79	64.98	66.34	70.18	72.48	72.03	67.59	66.44
60.0	51.56	51.00	53.31	55.32	56.76	56.27	52.78	51.87
63.0	35.40	36.61	40.77	42.88	44.09	42.94	38.92	36.41
66.0	23.92	24.87	27.44	29.22	30.23	28.90	26.22	24.40
69.0	16.21	17.03	18.75	20.16	20.73	19.75	18.01	16.53
72.0	10.44	11.06	12.47	13.38	13.85	13.12	11.77	10.52
75.0	4.688	5.266	7.396	8.462	8.720	8.058	6.080	4.761
78.0	3.089	3.273	3.685	3.995	4.043	3.687	3.443	3.078
81.0	2.086	2.358	2.691	2.742	2.806	2.693	2.842	2.175
84.0	0.6632	0.7172	0.9283	1.314	1.463	1.094	1.169	0.6593
87.0	0.2186	0.2386	0.3988	0.4992	0.5378	0.4490	0.4514	0.2107
90.0	0.1460	0.1125	0.1392	0.1016	0.1133	0.1122	0.2440	0.1376

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 γ Interval: 1.0DEG
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Humidity:65.0%
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