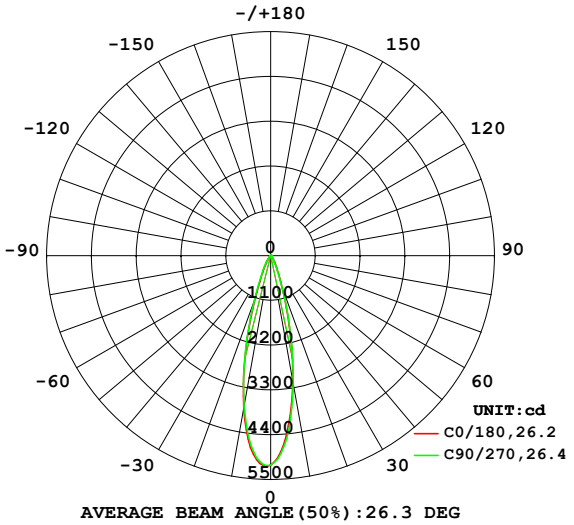
Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

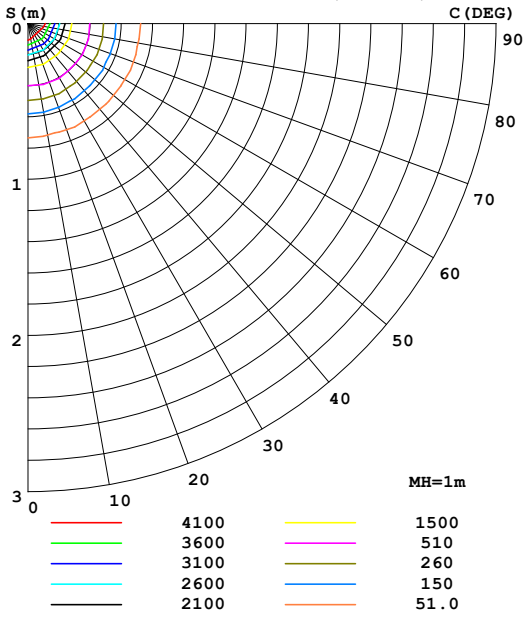
DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.69 lm/W			
MODEL		Imax(cd)	5183	S/MH(C0/180)	0.47
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1343.3	η UP,DN(C0-180)	0.0,45.1
NOMINAL FLUX(lm)	1343.29	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.35	η down(%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):26.3 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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	3146	3081	3211	3523	3802	3914	3765	3429	0- 10	407.1	407.1	30.3,30.3
20	845.7	801.7	837.4	937.1	1145	1287	1188	977.9	10- 20	568.9	976.0	72.7,72.7
30	224.8	210.4	200.9	219.9	266.0	316.4	303.0	260.1	20- 30	230.7	1207	89.8,89.8
40	47.30	45.16	46.76	54.15	67.34	74.80	70.25	54.90	30- 40	85.13	1292	96.2,96.2
50	15.01	15.36	16.53	17.30	18.02	17.92	16.89	15.41	40- 50	22.84	1315	97.9,97.9
60	11.17	11.53	12.21	12.54	12.36	12.13	12.21	11.52	50- 60	12.26	1327	98.8,98.8
70	6.523	6.646	7.114	7.727	8.031	7.873	7.413	6.813	60- 70	9.637	1337	99.5,99.5
80	2.443	2.425	2.740	3.239	3.595	3.534	3.208	2.714	70- 80	5.311	1342	99.9,99.9
90	0.0622	0.0462	0.0614	0.0422	0.0712	0.1628	0.0466	0.0428	80- 90	1.429	1343	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): 1306.2 lm

%lum = 97.2%
%lamp = 97.2%

Conical surface Flux(120deg): 1326.9 lm

%lum = 98.8%
%lamp = 98.8%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

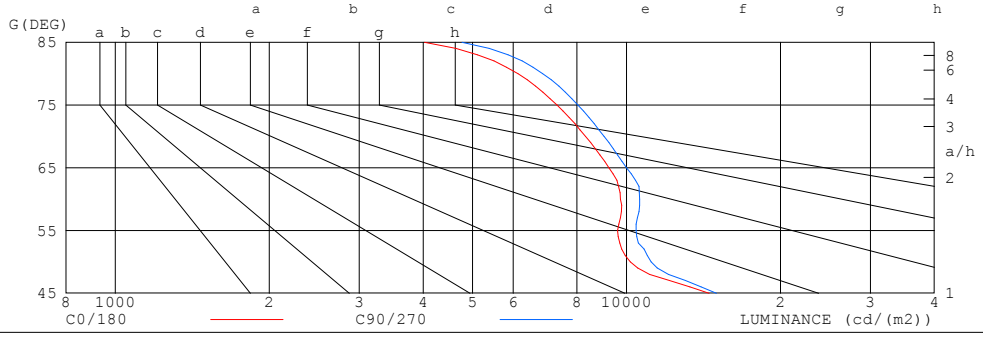
Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz **UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm**		
NAME: HCP-10X2501-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 55mm**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4024	4762
80	6132	6853
75	7307	8031
70	8312	9035
65	9237	9996
60	9733	10610
55	9607	10440
50	10177	11173
45	14509	14998

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

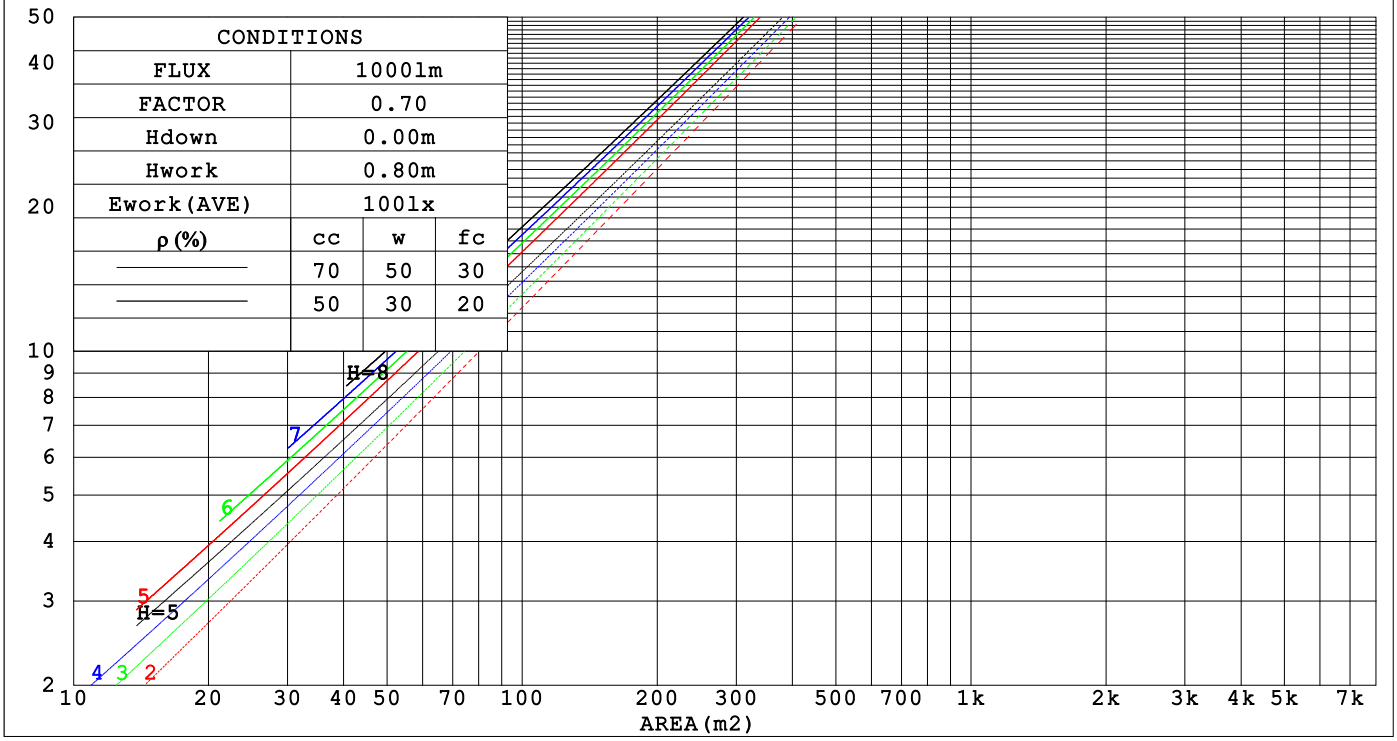
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

ρcc	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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.00	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.82	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.85	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.77	.76
8.0	.83	.78	.75	.82	.78	.75	.81	.78	.75	.80	.77	.75	.80	.77	.74	.73
9.0	.80	.76	.73	.80	.75	.73	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
10.0	.78	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.75	.72	.70	.69

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

WEC AND CCEC

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

ρcc	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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.149	.085	.027	.142	.081	.026	.130	.075	.024	.119	.068	.022	.108	.063	.020	
2.0	.139	.076	.023	.133	.073	.023	.123	.068	.021	.114	.064	.020	.105	.059	.019	
3.0	.130	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.101	.056	.017	
4.0	.122	.063	.019	.118	.062	.018	.110	.059	.017	.104	.056	.017	.097	.053	.016	
5.0	.115	.058	.017	.111	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015	
6.0	.108	.054	.016	.106	.053	.015	.100	.051	.015	.095	.049	.015	.090	.048	.014	
7.0	.103	.051	.014	.101	.050	.014	.096	.048	.014	.091	.047	.014	.087	.045	.013	
8.0	.098	.048	.013	.096	.047	.013	.092	.046	.013	.088	.044	.013	.084	.043	.013	
9.0	.094	.045	.013	.092	.045	.013	.088	.044	.012	.085	.042	.012	.081	.041	.012	
10.0	.090	.043	.012	.088	.043	.012	.085	.041	.012	.082	.041	.012	.079	.040	.011	

ρcc	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						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	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.021	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.030	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	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	14.3	15.0	14.5	15.2	15.4	14.2	14.9	14.4	15.1	15.2
3H	14.9	15.5	15.1	15.7	15.9	14.9	15.5	15.1	15.7	15.9
4H	15.1	15.7	15.4	16.0	16.2	15.1	15.8	15.4	16.0	16.2
6H	15.3	15.9	15.5	16.1	16.3	15.3	15.9	15.6	16.2	16.4
8H	15.3	15.9	15.6	16.1	16.4	15.4	16.0	15.7	16.2	16.5
12H	15.3	15.8	15.6	16.1	16.4	15.4	15.9	15.7	16.2	16.5
4H 2H	14.5	15.1	14.7	15.3	15.5	14.4	15.0	14.6	15.2	15.4
3H	15.2	15.8	15.5	16.0	16.3	15.2	15.8	15.5	16.0	16.3
4H	15.5	16.0	15.9	16.3	16.6	15.6	16.1	15.9	16.4	16.7
6H	15.8	16.2	16.1	16.5	16.9	15.9	16.3	16.2	16.6	17.0
8H	15.8	16.2	16.2	16.6	16.9	15.9	16.4	16.3	16.7	17.1
12H	15.8	16.2	16.2	16.6	17.0	16.0	16.3	16.4	16.7	17.1
8H 4H	15.6	16.0	16.0	16.4	16.7	15.7	16.1	16.0	16.4	16.8
6H	15.9	16.3	16.3	16.6	17.1	16.0	16.4	16.4	16.7	17.2
8H	16.0	16.3	16.4	16.7	17.2	16.1	16.4	16.6	16.8	17.3
12H	16.0	16.3	16.5	16.7	17.2	16.2	16.4	16.6	16.9	17.4
12H 4H	15.6	16.0	16.0	16.3	16.7	15.6	16.0	16.0	16.4	16.8
6H	15.9	16.2	16.3	16.6	17.1	16.0	16.3	16.4	16.7	17.2
8H	16.0	16.3	16.5	16.7	17.2	16.1	16.4	16.6	16.8	17.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.4 / - 1.1					+ 1.1 / - 1.0				
1.5H	+ 2.8 / - 1.1					+ 2.4 / - 0.8				
2.0H	+ 0.6 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117, 1343 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.0)
Area: 0.0023 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	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) x RCR = 5									
k = 0.60	89	83	80	89	83	80	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	95	101	97	95	91
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

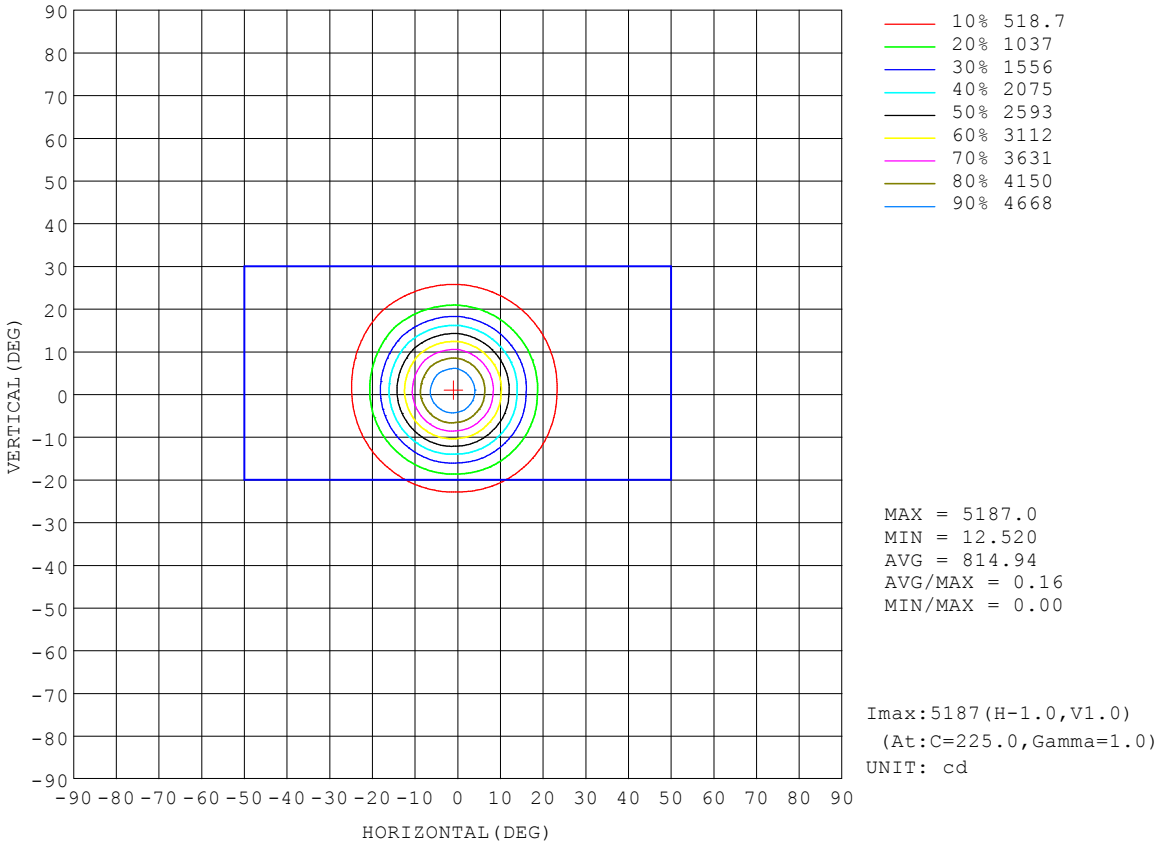
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:



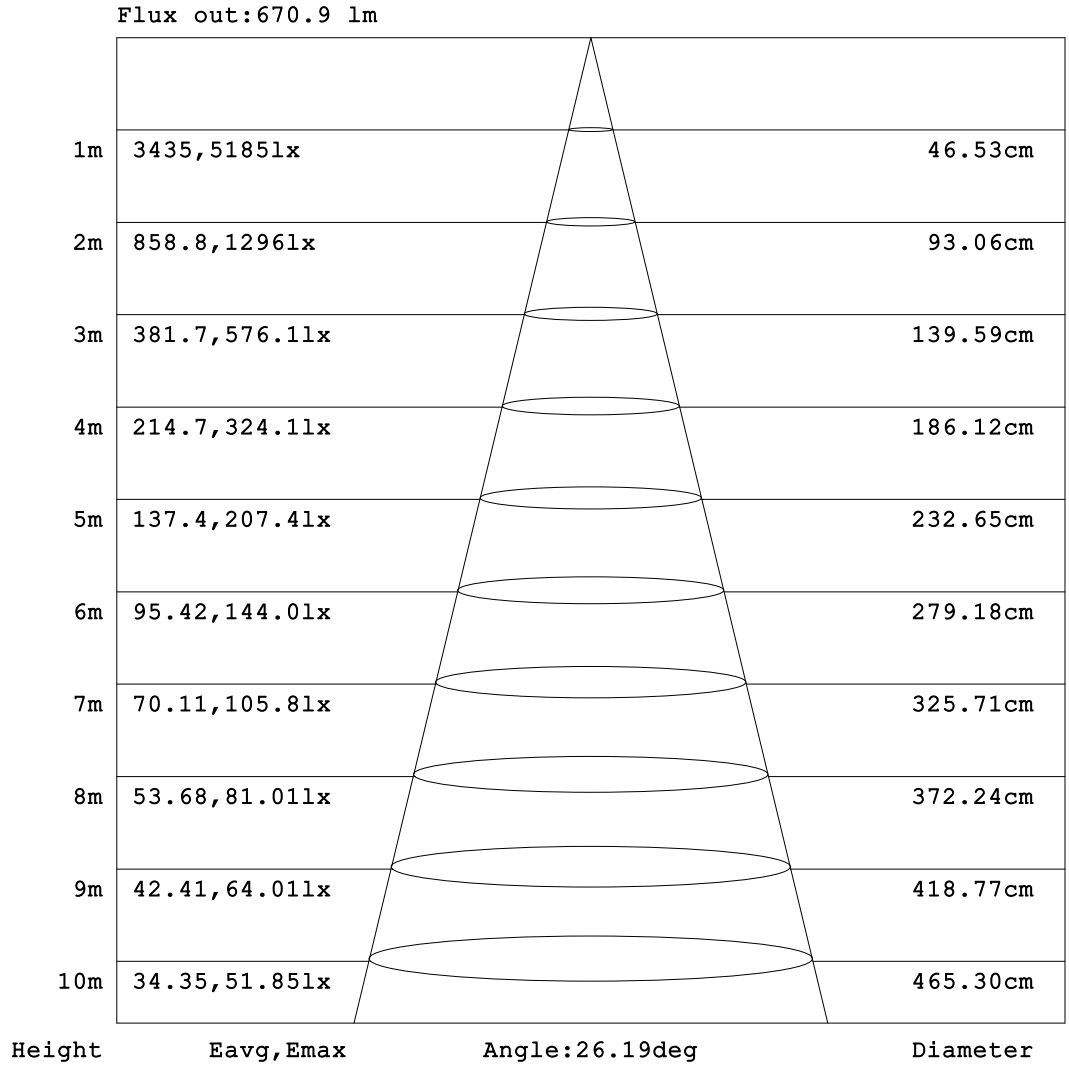
C Range: 0 - 360DEG
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Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

AAI Figure

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:



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

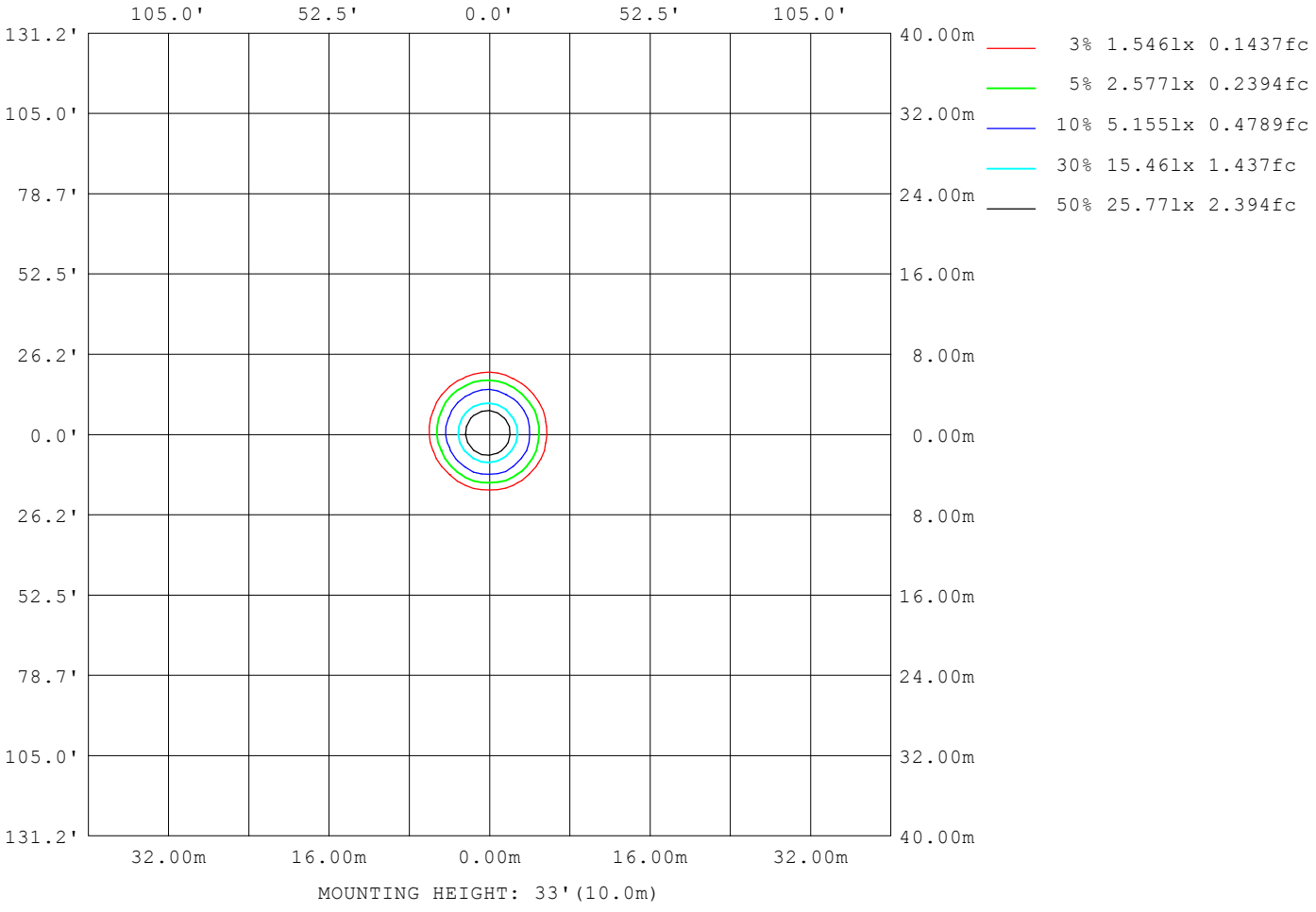
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	10043
L_0~180(75)av	8418
L_0~180(85)av	6354
L_90~270(65)av	10181
L_90~270(75)av	8359
L_90~270(85)av	6093
L_45(65)av	10064
L_45(75)av	8378
L_45(85)av	6120

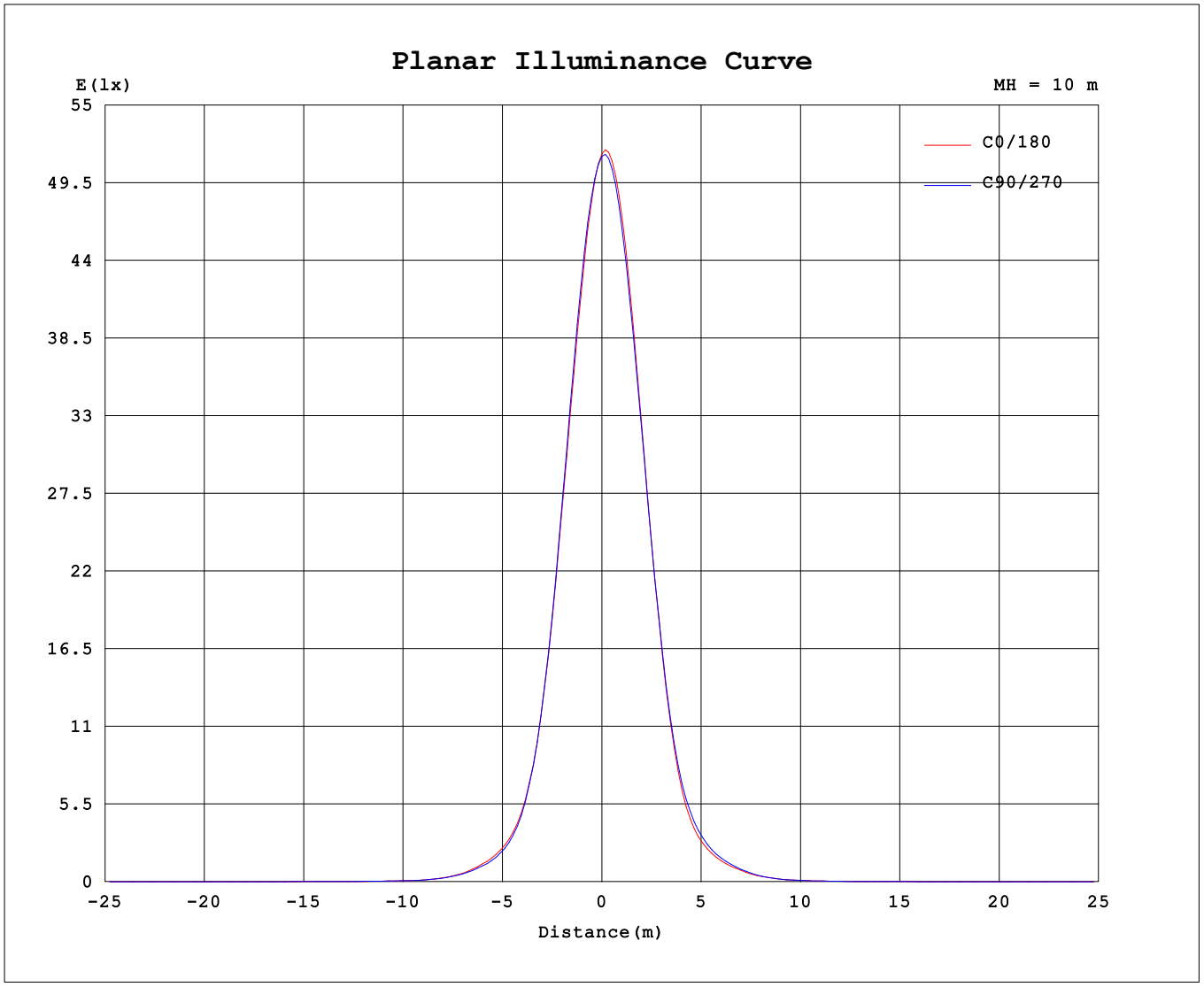
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.42% ITHDi:10.68% KDisp:0.9801 Lamp Flux:1343.29x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	5142	5142	5142	5142	5142	5142	5142	5142
5	4433	4405	4512	4724	4896	4936	4840	4621
10	3146	3081	3211	3523	3802	3914	3765	3429
15	1786	1746	1810	2070	2362	2529	2374	2040
20	846	802	837	937	1145	1287	1188	978
25	408	389	380	418	503	604	572	481
30	225	210	201	220	266	316	303	260
35	112	106	105	118	149	172	163	134
40	47.3	45.2	46.8	54.2	67.3	74.8	70.2	54.9
45	23.5	23.4	24.4	27.0	30.4	31.1	28.4	24.8
50	15.0	15.4	16.5	17.3	18.0	17.9	16.9	15.4
55	12.6	13.1	13.8	13.9	13.7	13.5	13.6	13.0
60	11.2	11.5	12.2	12.5	12.4	12.1	12.2	11.5
65	8.96	9.17	9.73	10.4	10.6	10.3	10.1	9.28
70	6.52	6.65	7.11	7.73	8.03	7.87	7.41	6.81
75	4.34	4.40	4.79	5.35	5.68	5.58	5.17	4.62
80	2.44	2.43	2.74	3.24	3.60	3.53	3.21	2.71
85	0.80	0.71	0.96	1.39	1.74	1.74	1.49	1.07
90	0.06	0.05	0.06	0.04	0.07	0.16	0.05	0.04

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	5142	5142	5142	5142	5142	5142	5142	5142
3.0	4819	4798	4870	5002	5113	5138	5074	4933
6.0	4206	4165	4292	4536	4741	4783	4672	4421
9.0	3425	3363	3498	3804	4071	4169	4017	3696
12.0	2584	2523	2628	2935	3233	3379	3216	2868
15.0	1786	1746	1810	2070	2362	2529	2374	2040
18.0	1151	1114	1152	1321	1576	1729	1609	1337
21.0	713.5	682.9	699.8	786.2	962.4	1099	1017	851.8
24.0	464.4	442.4	437.2	482.6	583.0	694.5	653.7	549.8
27.0	318.5	300.3	289.8	317.4	382.8	461.8	437.4	371.2
30.0	224.8	210.4	200.9	219.9	266.0	316.4	303.0	260.1
33.0	153.8	143.7	139.0	156.6	189.7	221.6	213.9	181.1
36.0	95.32	89.67	90.76	102.4	127.7	147.8	140.5	113.6
39.0	56.86	53.54	55.31	63.32	79.58	90.57	84.39	66.35
42.0	33.74	33.14	34.24	39.74	48.05	51.32	47.46	37.71
45.0	23.54	23.43	24.42	27.01	30.40	31.12	28.45	24.76
48.0	17.04	17.18	18.61	20.50	22.02	22.36	20.84	18.15
51.0	14.36	14.72	15.92	16.42	16.59	16.31	15.76	14.72
54.0	12.99	13.36	14.18	14.28	14.12	14.03	14.00	13.33
57.0	12.15	12.53	13.17	13.39	13.13	12.92	13.01	12.46
60.0	11.17	11.53	12.21	12.54	12.36	12.13	12.21	11.52
63.0	9.972	10.22	10.88	11.41	11.35	11.13	10.99	10.29
66.0	8.458	8.653	9.179	9.804	10.06	9.877	9.450	8.769
69.0	6.994	7.131	7.616	8.235	8.534	8.362	7.897	7.282
72.0	5.621	5.717	6.150	6.742	7.062	6.921	6.476	5.902
75.0	4.340	4.403	4.785	5.347	5.682	5.577	5.166	4.623
78.0	3.165	3.184	3.529	4.054	4.399	4.324	3.960	3.443
81.0	2.089	2.065	2.364	2.848	3.204	3.155	2.841	2.366
84.0	1.112	1.034	1.296	1.735	2.093	2.077	1.810	1.374
87.0	0.2063	0.0920	0.2929	0.7011	1.052	1.076	0.8688	0.4812
90.0	0.0622	0.0462	0.0614	0.0422	0.0712	0.1628	0.0466	0.0428

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