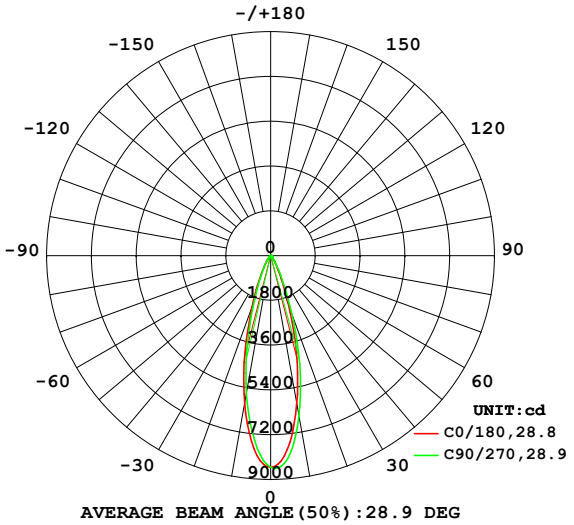
Photometric Filename: HCP-10X2701-3000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

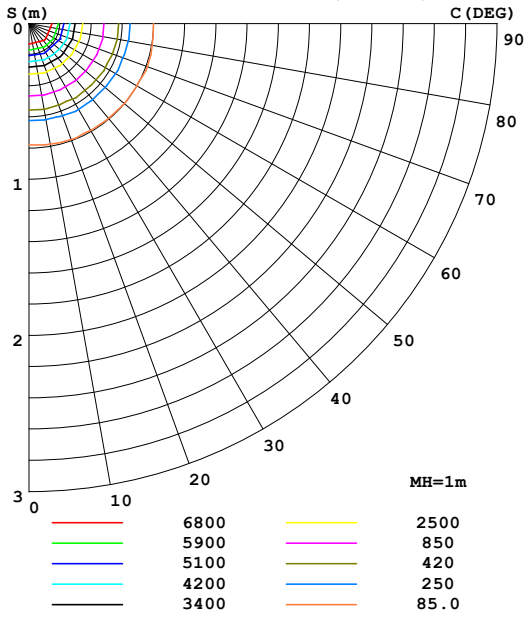
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 77.43 lm/W	
MODEL		Imax(cd)	8557	S/MH(C0/180)	0.48
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2666.9	η UP,DN(C0-180)	0.0,52.5
NOMINAL FLUX(lm)	2666.93	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.3	η down(%)	100.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):28.9 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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	6058	6445	6553	6373	6045	5744	5628	5767	0- 10	688.1	688.1	25.8,25.8
20	2118	2406	2485	2380	2190	2034	1949	1961	10- 20	1092	1780	66.8,66.8
30	501.0	574.9	589.8	609.8	585.9	569.0	517.3	497.5	20- 30	528.9	2309	86.6,86.6
40	127.6	144.5	150.4	151.5	143.1	130.7	122.2	123.2	30- 40	183.1	2492	93.4,93.4
50	70.46	73.69	73.68	72.63	69.69	65.74	64.15	67.10	40- 50	73.94	2566	96.2,96.2
60	39.59	40.96	41.09	41.00	39.79	38.27	37.86	37.97	50- 60	46.96	2613	98,98
70	24.02	25.25	25.29	24.73	23.91	22.70	22.49	22.81	60- 70	31.48	2645	99.2,99.2
80	10.39	11.21	11.15	10.50	9.716	8.841	8.868	9.360	70- 80	17.64	2662	99.8,99.8
90	0.1330	0.1056	0.1387	0.1039	0.1186	0.1191	0.1364	0.1164	80- 90	4.695	2667	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): 2533.4 lm

%lum = 95.0%
%lamp = 95.0%

Conical surface Flux(130deg): 2630.5 lm

%lum = 98.6%
%lamp = 98.6%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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:

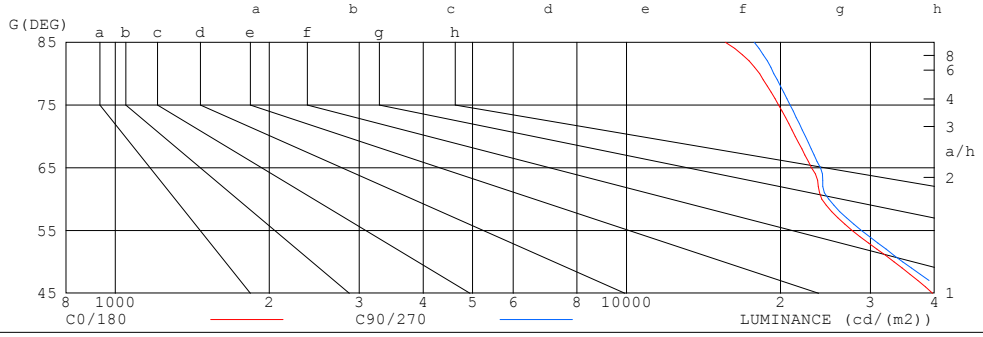
Photometric Filename: HCP-10X2701-3000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz **UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm**		
NAME: HCP-10X2701-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 65mm**	**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	15618	17782
80	18217	19422
75	19837	20877
70	21380	22375
65	23022	23943
60	24104	24864
55	27629	28799
50	33374	34680
45	39692	42158

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-3000K RA90 24D WHITE

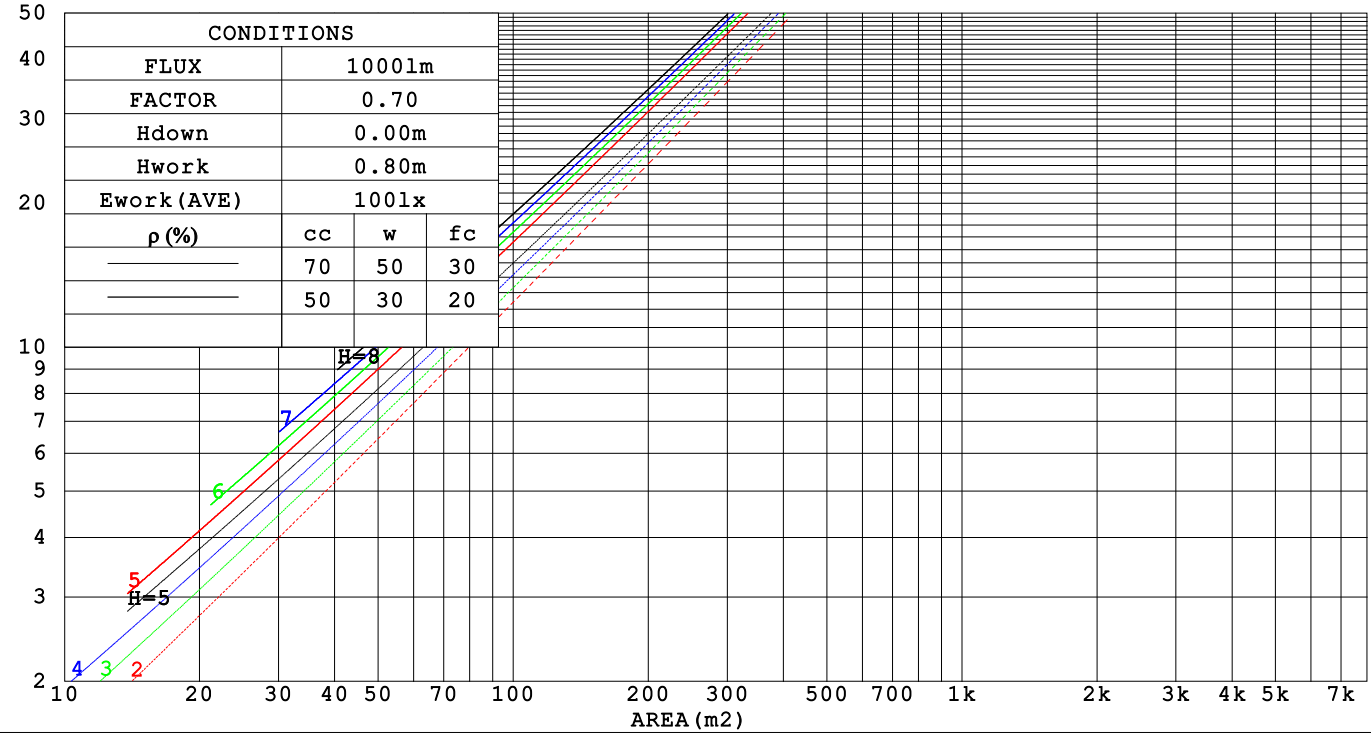
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.98	.95	.94	.95	.93	.92	.90
3.0	.00	.95	.92	.98	.95	.91	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.90	.87	.94	.89	.86	.92	.88	.85	.90	.87	.84	.88	.85	.83	.82
5.0	.90	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.76	.75
7.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.73	.72
8.0	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.77	.73	.71	.70
9.0	.77	.72	.69	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.71	.68	.67
10.0	.74	.70	.66	.74	.69	.66	.73	.69	.66	.72	.69	.66	.72	.68	.66	.65

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 65mm**	**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	.159	.091	.029	.153	.087	.028	.140	.080	.026	.129	.074	.024	.118	.068	.022	
2.0	.149	.082	.025	.143	.079	.024	.133	.074	.023	.123	.069	.022	.115	.065	.020	
3.0	.139	.074	.022	.135	.072	.022	.126	.068	.021	.118	.065	.020	.110	.061	.019	
4.0	.131	.068	.020	.127	.066	.020	.119	.063	.019	.112	.060	.018	.106	.058	.018	
5.0	.123	.063	.018	.120	.062	.018	.113	.059	.017	.108	.057	.017	.102	.054	.016	
6.0	.117	.058	.017	.114	.057	.017	.108	.055	.016	.103	.053	.016	.098	.052	.015	
7.0	.111	.055	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015	.094	.049	.014	
8.0	.105	.051	.014	.103	.051	.014	.099	.049	.014	.095	.048	.014	.091	.047	.014	
9.0	.101	.049	.014	.099	.048	.013	.095	.047	.013	.091	.046	.013	.088	.045	.013	
10.0	.096	.046	.013	.094	.046	.013	.091	.045	.013	.088	.044	.012	.085	.043	.012	

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.075	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.005	
8.0	.096	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.057	.034	.078	.049	.030	.054	.035	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.074	.045	.026	.051	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-3000K RA90 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	18.6	19.4	18.8	19.5	19.7	19.0	19.8	19.2	19.9	20.1
3H	19.4	20.1	19.6	20.3	20.5	19.7	20.4	20.0	20.6	20.8
4H	19.7	20.4	20.0	20.6	20.8	20.1	20.7	20.3	21.0	21.2
6H	20.0	20.7	20.3	20.9	21.1	20.3	21.0	20.6	21.2	21.5
8H	20.1	20.7	20.4	21.0	21.2	20.4	21.1	20.7	21.3	21.6
12H	20.1	20.7	20.5	21.0	21.3	20.5	21.1	20.8	21.4	21.6
4H 2H	18.9	19.6	19.2	19.8	20.0	19.2	19.9	19.5	20.1	20.3
3H	19.9	20.5	20.2	20.7	21.0	20.2	20.8	20.5	21.0	21.3
4H	20.3	20.9	20.7	21.2	21.5	20.6	21.2	21.0	21.5	21.8
6H	20.7	21.2	21.1	21.6	21.9	21.0	21.5	21.4	21.8	22.2
8H	20.9	21.3	21.3	21.7	22.0	21.2	21.6	21.6	22.0	22.3
12H	21.0	21.4	21.4	21.7	22.1	21.3	21.7	21.7	22.0	22.4
8H 4H	20.5	21.0	20.9	21.3	21.7	20.8	21.2	21.2	21.6	21.9
6H	21.0	21.4	21.5	21.8	22.2	21.3	21.7	21.7	22.1	22.5
8H	21.2	21.6	21.7	22.0	22.4	21.5	21.8	21.9	22.3	22.7
12H	21.4	21.7	21.8	22.1	22.6	21.7	22.0	22.1	22.4	22.9
12H 4H	20.5	20.9	20.9	21.3	21.7	20.8	21.2	21.2	21.5	21.9
6H	21.1	21.4	21.5	21.8	22.2	21.3	21.6	21.8	22.1	22.5
8H	21.3	21.6	21.8	22.0	22.5	21.6	21.8	22.0	22.3	22.8

Variations with the observer position at spacings(CIE Pub.117):

S = 1.0H	+ 0.5 / - 0.6	+ 0.7 / - 0.7
1.5H	+ 0.8 / - 0.4	+ 1.3 / - 0.5
2.0H	+ 0.7 / - 0.6	+ 0.8 / - 0.6

CIE Pub.117, 2667 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.4)
Area: 0.0033 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-3000K RA90 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	88	81	77	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	93	90	98	93	90	97	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	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	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	

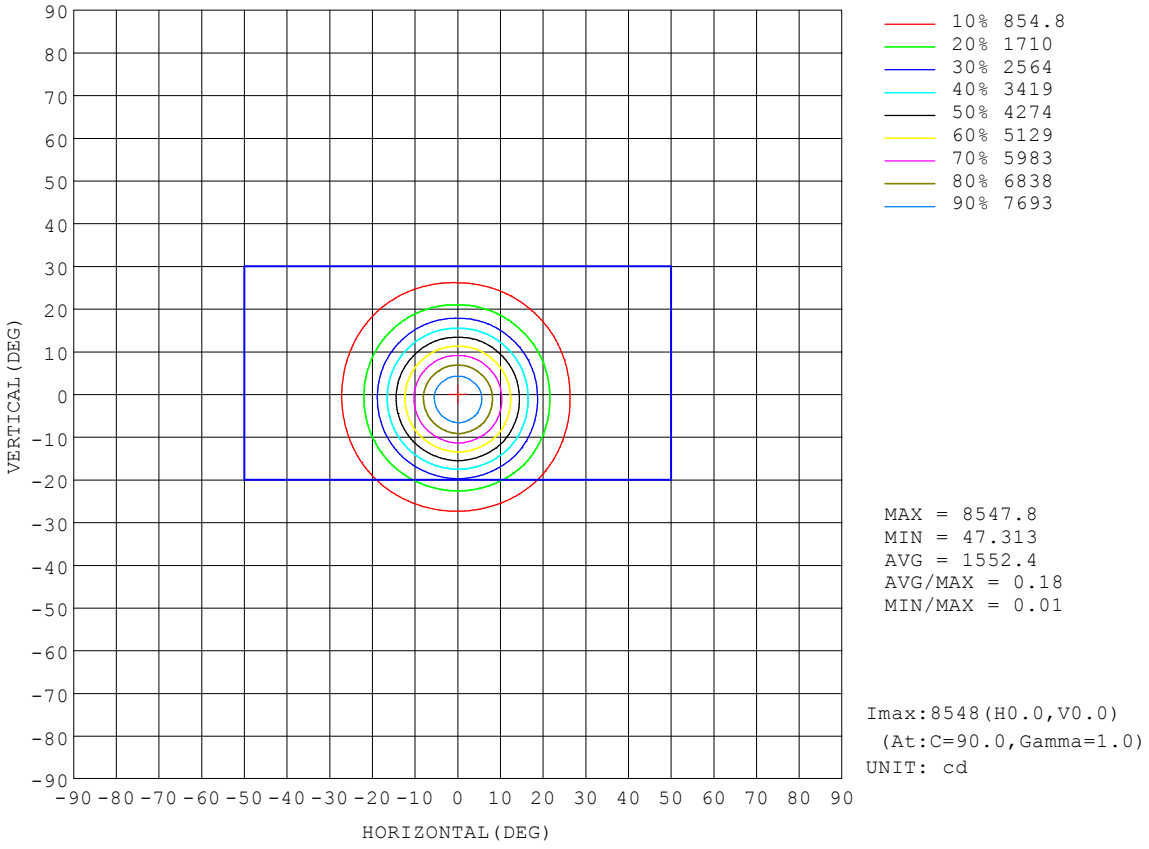
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-3000K RA90 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

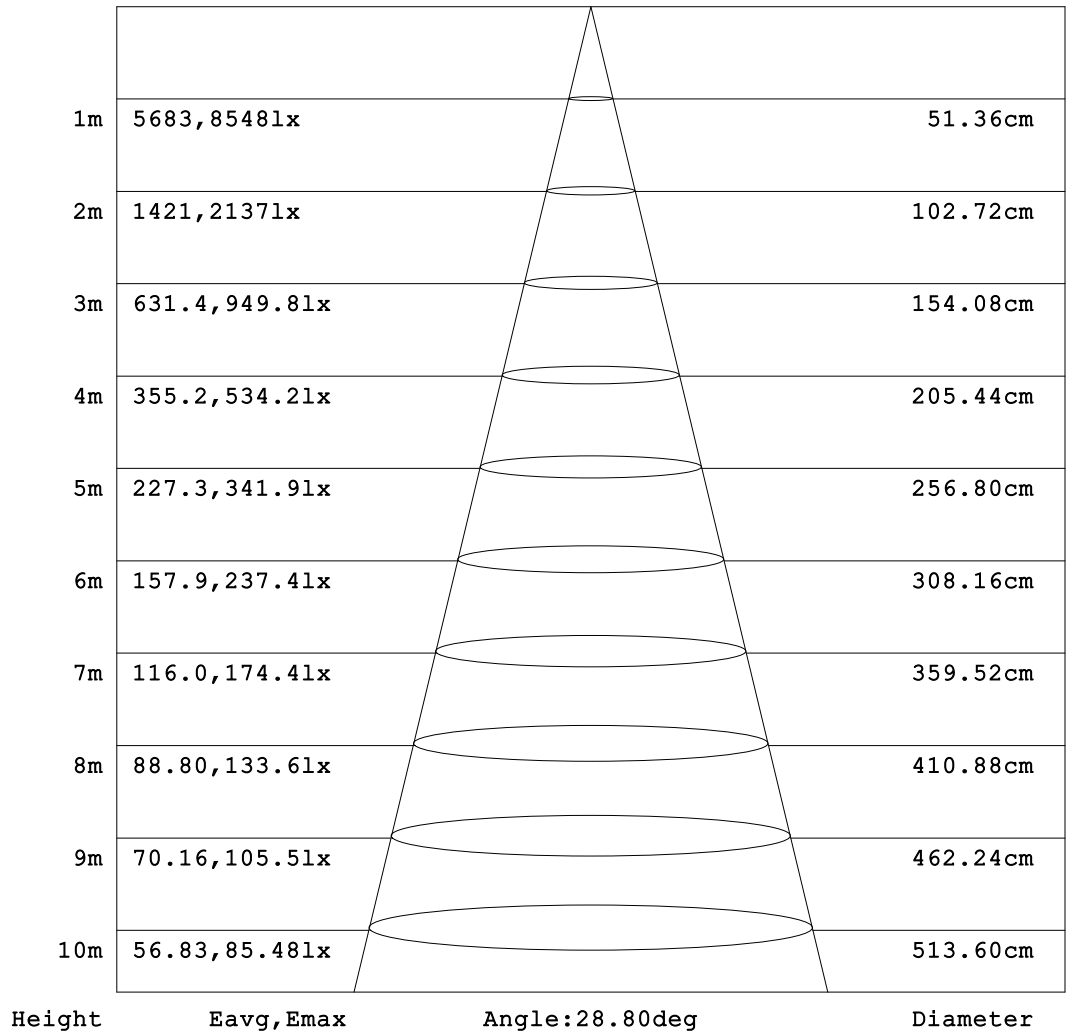
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2701-3000K RA90 24D WHITE

AAI Figure

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Flux out:1282 lm



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

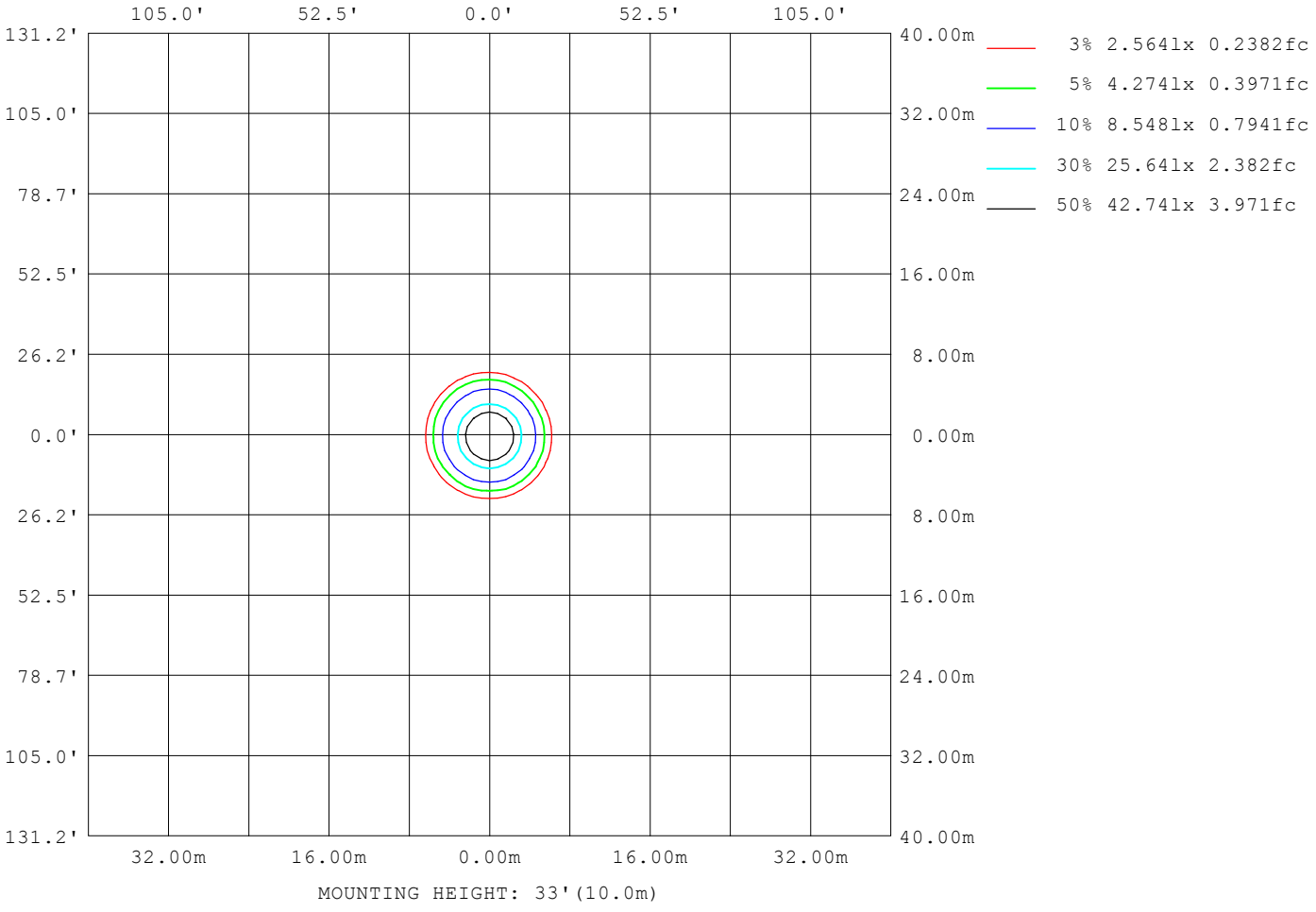
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-3000K RA90 24D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

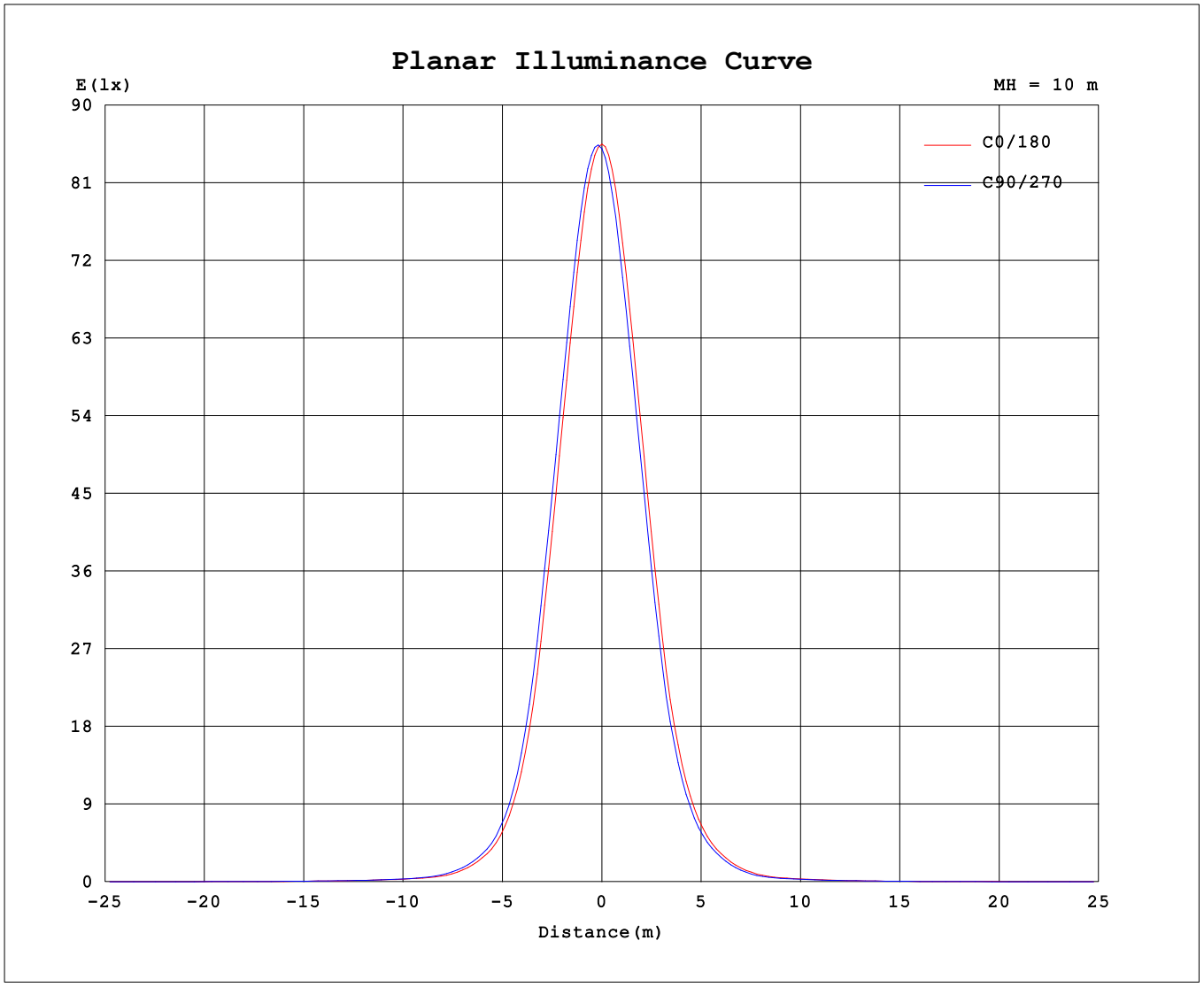
AvgL	cd/m2
L_0~180(65)av	22968
L_0~180(75)av	19499
L_0~180(85)av	14258
L_90~270(65)av	22823
L_90~270(75)av	19451
L_90~270(85)av	14190
L_45(65)av	22853
L_45(75)av	19423
L_45(85)av	14068

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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:2023-11-14

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-10X2701-3000K RA90 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1443A P:34.4W PF:0.9930 Freq:49.99Hz UTHDi:0.41% ITHDi:41.18% KDisp:0.9959 Lamp Flux:2666.93x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	8508	8508	8508	8508	8508	8508	8508	8508
5	7816	8062	8149	8025	7784	7538	7458	7571
10	6058	6445	6553	6373	6045	5744	5628	5767
15	4008	4409	4522	4344	4011	3713	3605	3723
20	2118	2406	2485	2380	2190	2034	1949	1961
25	1025	1178	1210	1199	1142	1070	997	972
30	501	575	590	610	586	569	517	498
35	250	293	305	309	294	274	247	241
40	128	144	150	152	143	131	122	123
45	92.2	97.7	98.5	99.3	95.8	89.3	86.5	89.1
50	70.5	73.7	73.7	72.6	69.7	65.7	64.2	67.1
55	52.1	54.3	54.6	53.8	51.8	49.0	47.9	49.6
60	39.6	41.0	41.1	41.0	39.8	38.3	37.9	38.0
65	32.0	33.4	33.4	33.0	32.1	30.6	30.2	30.5
70	24.0	25.2	25.3	24.7	23.9	22.7	22.5	22.8
75	16.9	17.9	17.9	17.3	16.4	15.4	15.4	15.8
80	10.4	11.2	11.1	10.5	9.72	8.84	8.87	9.36
85	4.47	5.15	5.12	4.48	3.73	2.99	3.04	3.56
90	0.13	0.11	0.14	0.10	0.12	0.12	0.14	0.12

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-3000K 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	8508	8508	8508	8508	8508	8508	8508	8508
3.0	8254	8411	8465	8395	8252	8081	8030	8106
6.0	7522	7802	7910	7756	7491	7215	7132	7250
9.0	6454	6817	6931	6751	6433	6133	6023	6160
12.0	5249	5653	5762	5579	5242	4940	4823	4962
15.0	4008	4409	4522	4344	4011	3713	3605	3723
18.0	2791	3149	3250	3107	2827	2609	2500	2569
21.0	1841	2114	2165	2098	1943	1796	1698	1706
24.0	1190	1362	1399	1381	1302	1223	1144	1120
27.0	757.7	872.4	909.3	904.6	870.2	828.4	759.4	730.5
30.0	501.0	574.9	589.8	609.8	585.9	569.0	517.3	497.5
33.0	336.4	389.0	399.9	409.1	393.0	374.5	339.3	328.9
36.0	214.5	253.0	263.7	265.6	252.1	231.3	212.7	206.1
39.0	141.5	163.2	170.2	171.9	161.6	146.6	135.8	136.3
42.0	108.8	119.1	122.6	123.7	118.4	109.2	104.1	105.8
45.0	92.19	97.65	98.53	99.28	95.79	89.28	86.52	89.12
48.0	78.86	82.37	83.10	82.35	79.20	73.99	72.25	75.38
51.0	66.48	69.58	69.39	68.35	65.47	61.92	60.33	63.32
54.0	55.23	57.81	58.01	57.09	54.78	51.86	50.72	52.64
57.0	46.36	48.16	48.47	48.00	46.28	44.00	43.15	44.15
60.0	39.59	40.96	41.09	41.00	39.79	38.27	37.86	37.97
63.0	35.29	36.24	36.33	36.23	35.74	34.03	33.51	33.91
66.0	30.28	31.61	31.69	31.23	30.41	29.00	28.64	28.93
69.0	25.54	26.79	26.86	26.32	25.48	24.25	24.00	24.31
72.0	21.09	22.24	22.24	21.65	20.86	19.69	19.59	19.91
75.0	16.86	17.92	17.86	17.27	16.44	15.40	15.37	15.77
78.0	12.88	13.82	13.75	13.13	12.31	11.36	11.39	11.84
81.0	9.141	9.955	9.912	9.232	8.454	7.597	7.635	8.142
84.0	5.587	6.308	6.275	5.619	4.852	4.086	4.134	4.654
87.0	2.325	2.934	2.932	2.323	1.592	0.9259	0.9714	1.479
90.0	0.1330	0.1056	0.1387	0.1039	0.1186	0.1191	0.1364	0.1164

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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: