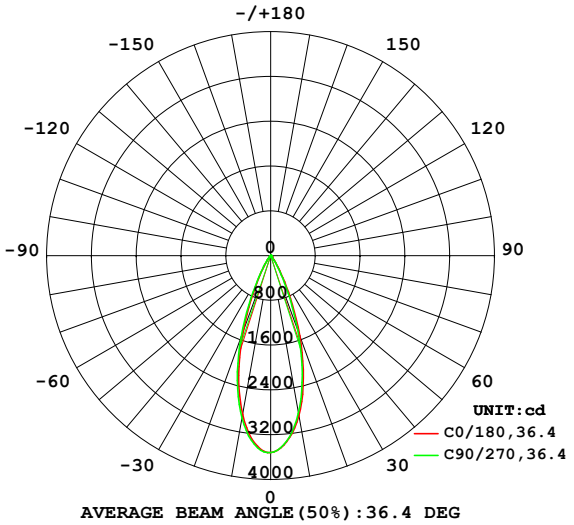
Photometric Filename: HCP-10X2501-4000K RA90 36D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

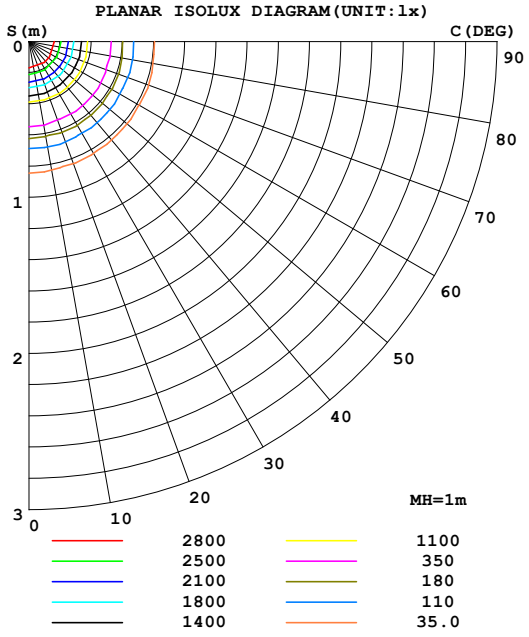
DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.66 lm/W			
MODEL		Imax(cd)	3519	S/MH(C0/180)	0.58
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1457.3	η UP,DN(C0-180)	0.0,49.3
NOMINAL FLUX(lm)	1457.31	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.23	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):36.4 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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	2904	2890	2861	2856	2886	2942	2955	2938	0- 10	305.5	305.5	21,21
20	1522	1486	1420	1392	1435	1481	1546	1566	10- 20	609.4	914.8	62.8,62.8
30	383.3	362.1	335.5	334.2	334.2	348.4	371.3	393.9	20- 30	372.5	1287	88.3,88.3
40	75.27	65.83	57.35	55.51	58.17	61.89	71.59	77.71	30- 40	107.8	1395	95.7,95.7
50	21.57	20.11	18.89	18.83	19.63	20.59	21.92	22.00	40- 50	26.89	1422	97.6,97.6
60	14.71	14.36	13.83	13.44	13.76	14.69	15.48	15.26	50- 60	14.98	1437	98.6,98.6
70	9.510	8.907	8.372	8.229	8.546	9.221	9.890	9.945	60- 70	11.81	1449	99.4,99.4
80	4.104	3.700	3.375	3.310	3.524	3.876	4.290	4.329	70- 80	6.704	1455	99.9,99.9
90	0.0591	0.0472	0.0643	0.0489	0.0498	0.0459	0.0514	0.0428	80- 90	1.810	1457	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): 1411.6 lm

%lum = 96.9%
%lamp = 96.9%

Conical surface Flux(120deg): 1437 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:2023-11-20

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:

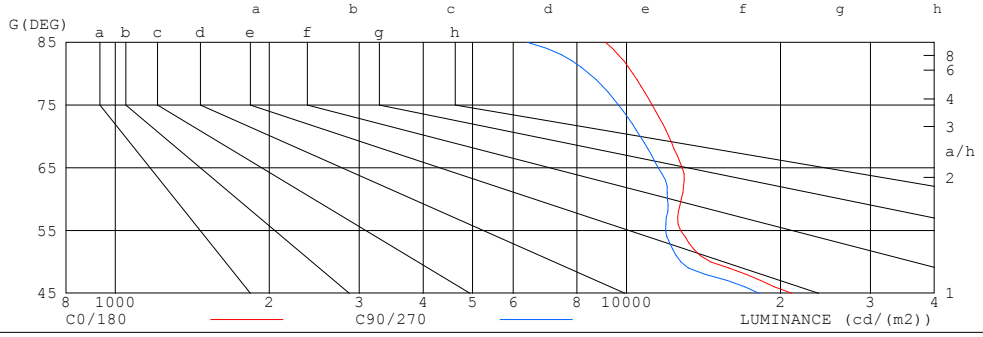
Photometric Filename: HCP-10X2501-4000K RA90 36D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz **UTHDi:0.28% ITHDi:10.79% KDisp:0.9809** **Lamp Flux:1457.31x1 lm**		
NAME: HCP-10X2501-4000K RA90 36D 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	9095	6391
80	10284	8446
75	11223	9643
70	12100	10639
65	12854	11529
60	12802	12023
55	12753	11914
50	14601	12772
45	21064	18156

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 36D WHITE

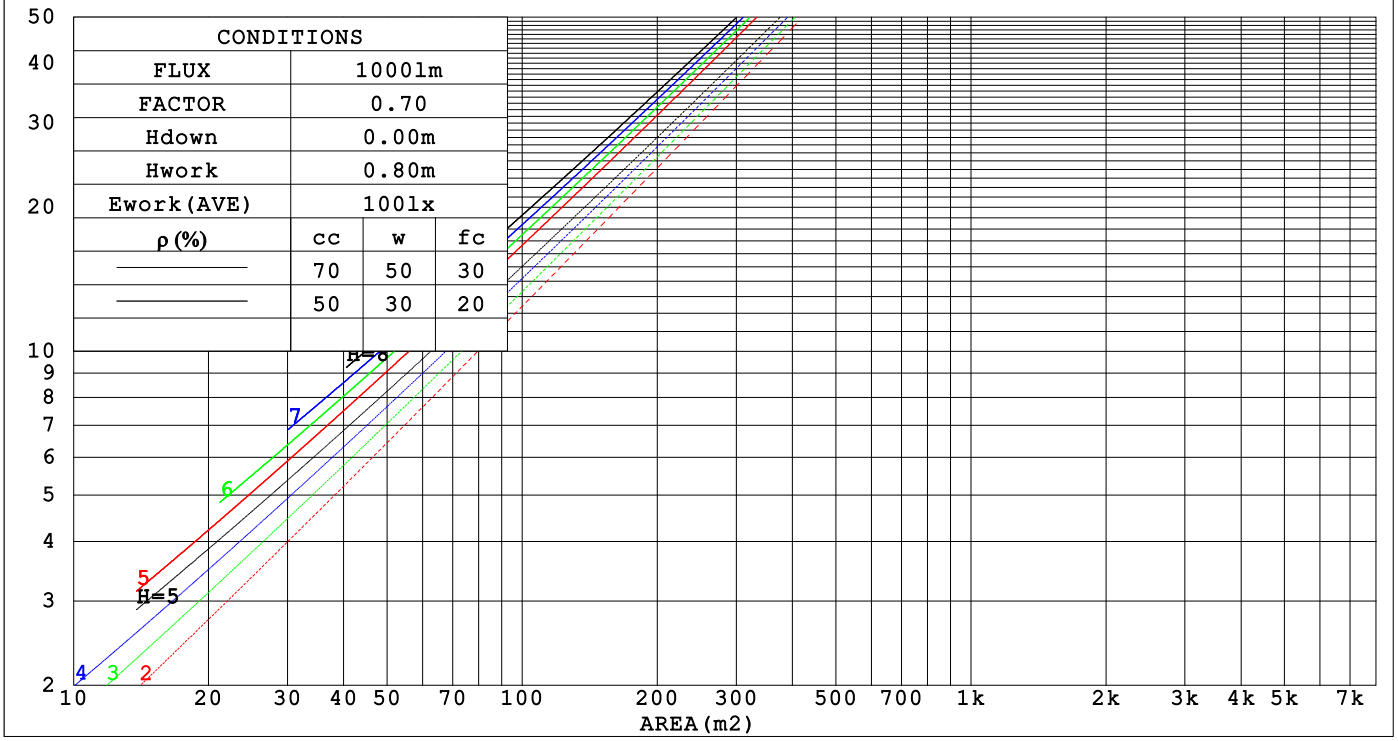
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D 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	1.06	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	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.94	.89	.86	.91	.88	.85	.90	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.82	.89	.85	.81	.87	.84	.81	.86	.83	.80	.84	.82	.79	.78
6.0	.86	.81	.77	.85	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.76	.74
7.0	.82	.77	.74	.82	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.72	.71
8.0	.79	.74	.70	.78	.74	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.68
9.0	.76	.71	.68	.75	.71	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.66
10.0	.73	.68	.65	.72	.68	.65	.72	.67	.65	.71	.67	.64	.70	.67	.64	.63

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 36D WHITE

WEC AND CCEC

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D 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	.159	.091	.029	.152	.087	.028	.140	.080	.026	.128	.074	.024	.118	.068	.022	
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.124	.069	.022	.115	.065	.020	
3.0	.140	.075	.022	.135	.073	.022	.127	.069	.021	.119	.065	.020	.111	.061	.019	
4.0	.132	.069	.020	.128	.067	.020	.121	.064	.019	.114	.061	.018	.107	.058	.018	
5.0	.125	.064	.018	.121	.062	.018	.115	.060	.018	.109	.058	.017	.103	.055	.017	
6.0	.119	.059	.017	.116	.058	.017	.110	.056	.016	.105	.054	.016	.100	.053	.016	
7.0	.113	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	.096	.050	.015	
8.0	.108	.053	.015	.106	.052	.015	.101	.051	.014	.097	.049	.014	.093	.048	.014	
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.013	.090	.046	.013	
10.0	.099	.047	.013	.097	.047	.013	.094	.046	.013	.090	.045	.013	.087	.044	.013	

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	.069	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.118	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.095	.066	.046	.065	.047	.033	.038	.027	.019	.012	.009	.006	
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.017	.011	.008	.005	
8.0	.097	.062	.039	.083	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.079	.049	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.087	.052	.029	.075	.045	.026	.052	.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:2023-11-20

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-10X2501-4000K RA90 36D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D 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	16.7	17.5	16.9	17.7	17.8	16.2	16.9	16.4	17.1	17.3
	3H	17.2	17.9	17.4	18.1	18.3	16.6	17.4	16.9	17.6	17.7
	4H	17.4	18.1	17.7	18.3	18.6	16.8	17.5	17.1	17.8	18.0
	6H	17.6	18.3	17.9	18.5	18.8	17.0	17.7	17.3	17.9	18.1
	8H	17.7	18.3	18.0	18.6	18.8	17.0	17.7	17.3	17.9	18.2
	12H	17.7	18.3	18.0	18.6	18.9	17.0	17.7	17.4	17.9	18.2
4H	2H	16.8	17.5	17.0	17.7	17.9	16.3	17.0	16.5	17.2	17.4
	3H	17.4	18.0	17.7	18.3	18.6	16.9	17.5	17.2	17.8	18.1
	4H	17.8	18.3	18.1	18.6	18.9	17.2	17.8	17.6	18.1	18.4
	6H	18.1	18.6	18.4	18.9	19.2	17.5	18.0	17.9	18.3	18.7
	8H	18.2	18.6	18.6	19.0	19.3	17.6	18.0	18.0	18.4	18.7
	12H	18.2	18.7	18.6	19.0	19.4	17.6	18.0	18.0	18.4	18.8
8H	4H	17.8	18.3	18.2	18.6	19.0	17.3	17.8	17.7	18.1	18.5
	6H	18.2	18.6	18.6	19.0	19.4	17.7	18.1	18.1	18.5	18.9
	8H	18.4	18.7	18.8	19.1	19.6	17.8	18.1	18.3	18.6	19.0
	12H	18.5	18.8	19.0	19.2	19.7	17.9	18.2	18.3	18.6	19.1
12H	4H	17.8	18.2	18.2	18.6	19.0	17.3	17.7	17.7	18.1	18.5
	6H	18.2	18.6	18.7	19.0	19.4	17.7	18.0	18.1	18.4	18.9
	8H	18.4	18.7	18.9	19.1	19.6	17.8	18.1	18.3	18.6	19.0

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.5 / - 1.2	+ 1.3 / - 1.1
1.5H	+ 3.1 / - 1.1	+ 2.6 / - 1.1
2.0H	+ 0.8 / - 0.4	+ 0.6 / - 0.4

CIE Pub.117, 1457 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.3)
Area: 0.0023 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 36D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D 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	79	88	83	79	88	82	79	76
0.80	96	91	87	95	90	87	94	90	86	83
1.00	100	95	91	99	94	91	98	94	90	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	99	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
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	

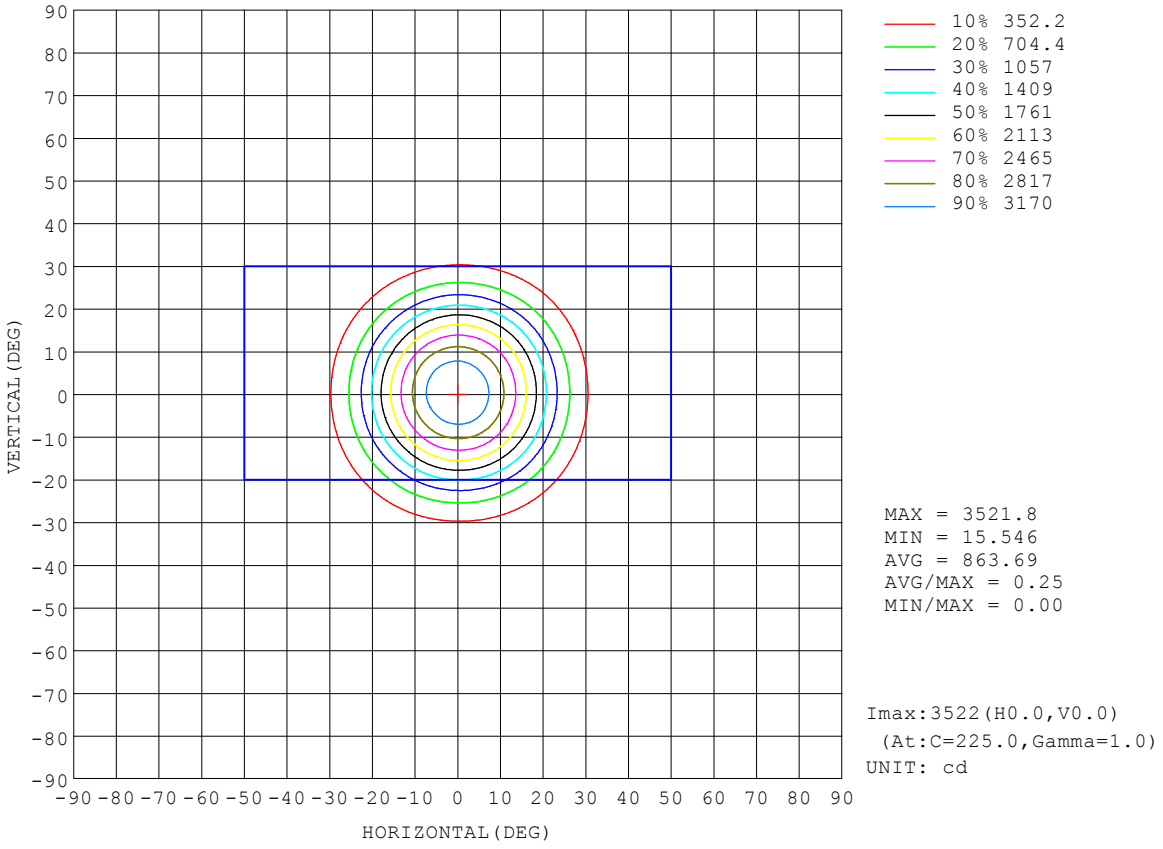
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 36D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:



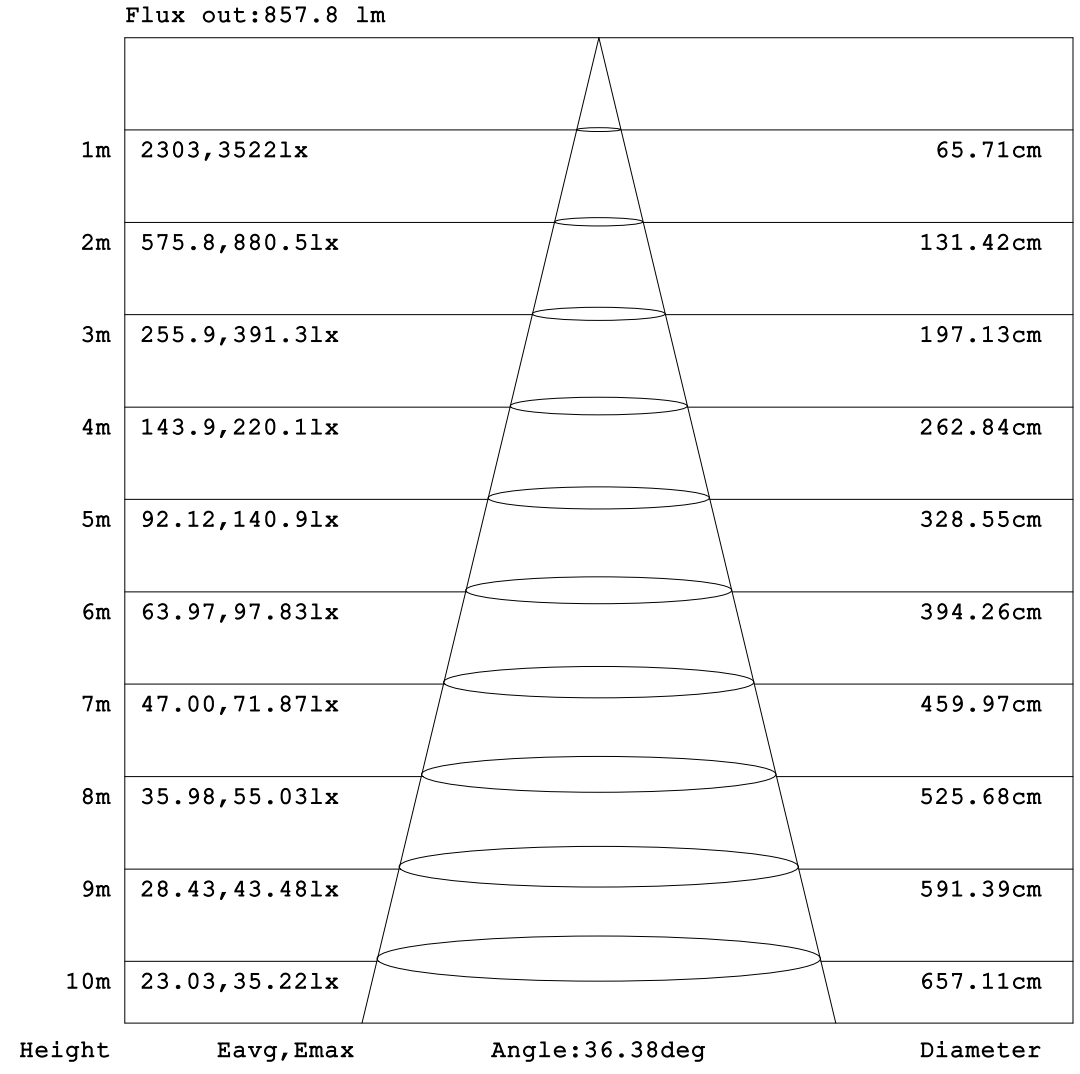
C Range: 0 - 360DEG
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-4000K RA90 36D WHITE

AAI Figure

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D 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.

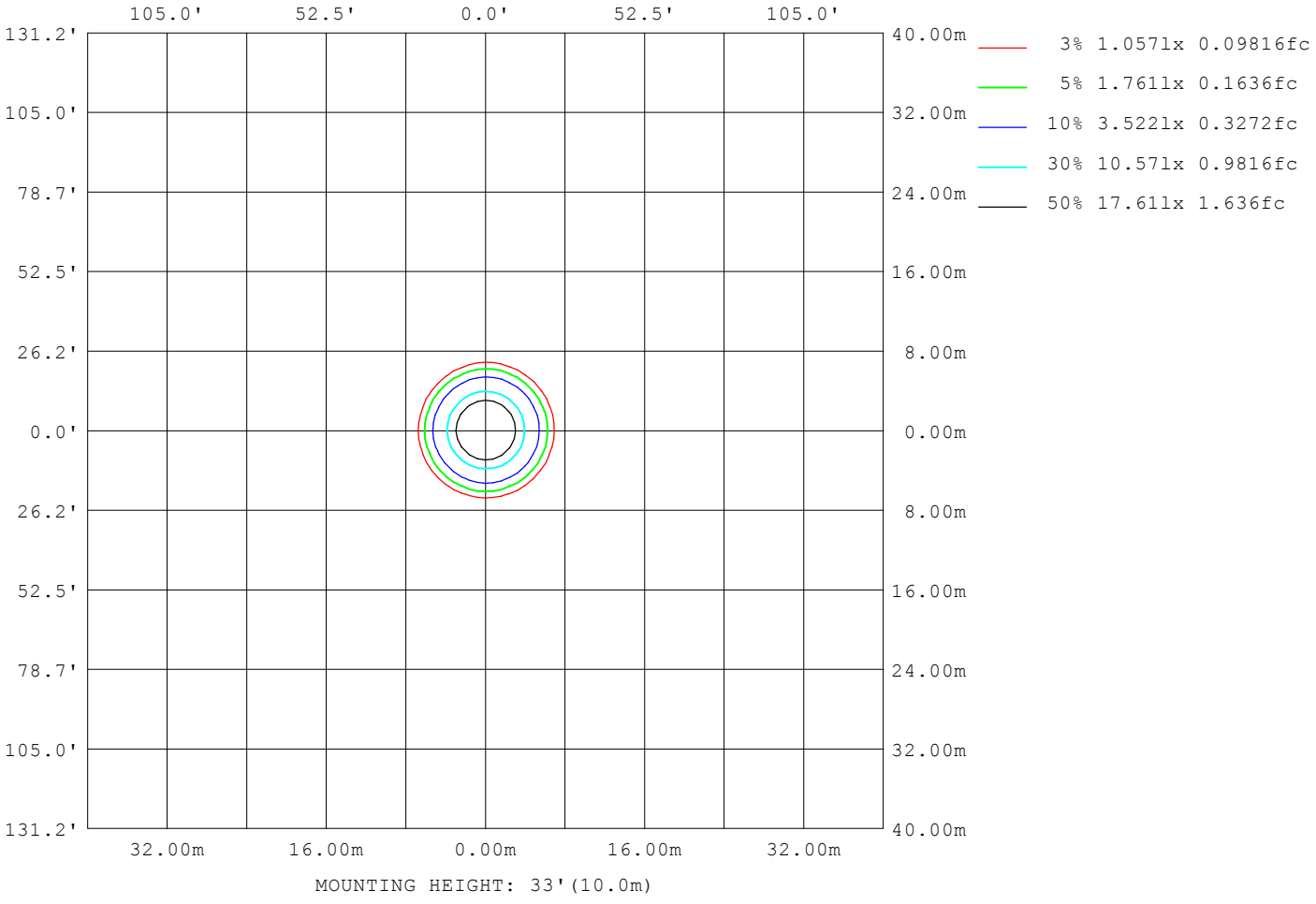
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 36D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D 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:2023-11-20

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:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

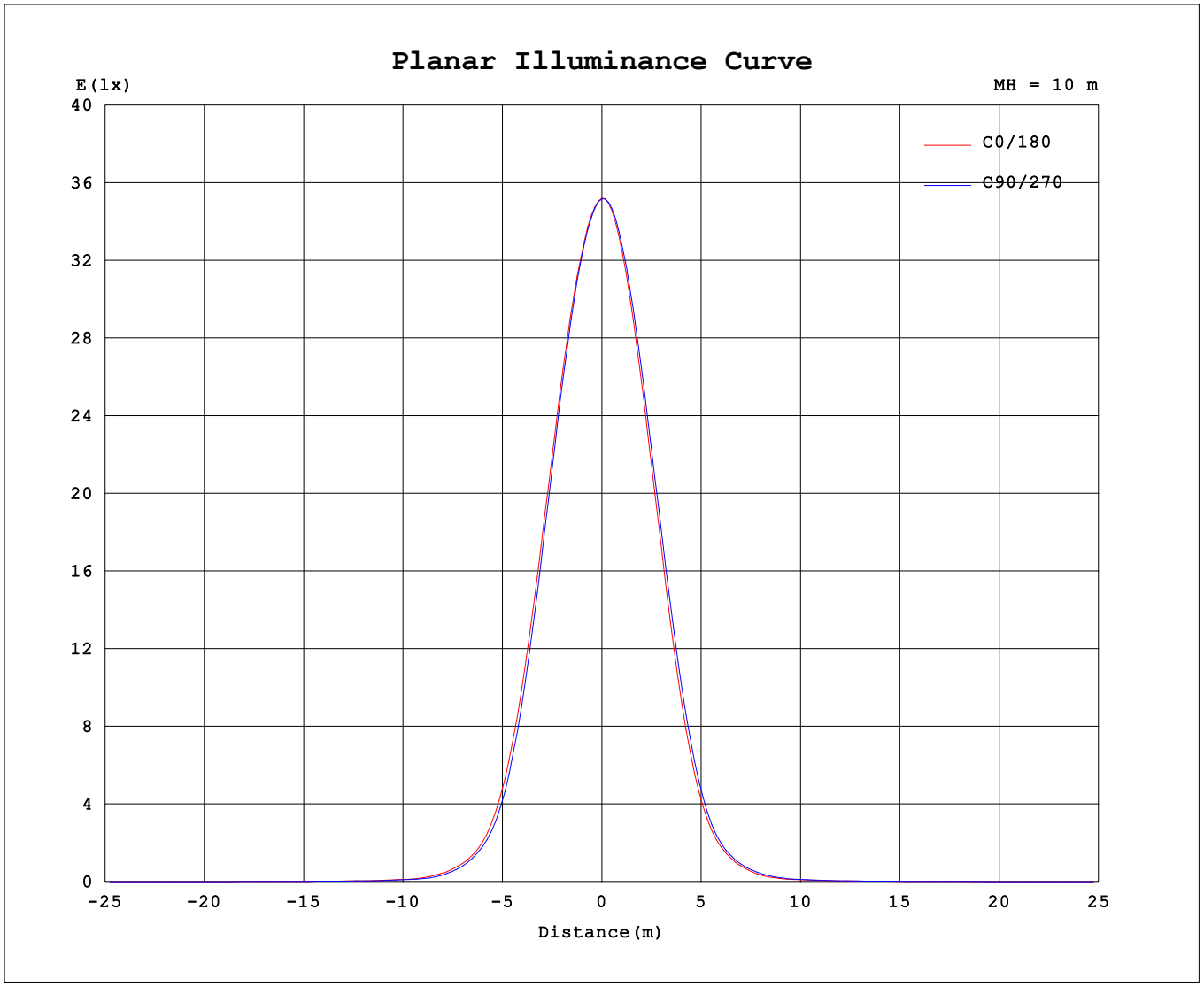
AvgL	cd/m2
L_0~180(65)av	12265
L_0~180(75)av	10567
L_0~180(85)av	8004
L_90~270(65)av	12494
L_90~270(75)av	10657
L_90~270(85)av	7962
L_45(65)av	12362
L_45(75)av	10597
L_45(85)av	7880

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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:2023-11-20

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-10X2501-4000K RA90 36D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0784A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.28% ITHDi:10.79% KDisp:0.9809 Lamp Flux:1457.31x1 lm		
NAME: HCP-10X2501-4000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	45	90	135	180	225	270	315
0	3519	3519	3519	3519	3519	3519	3519	3519
5	3334	3333	3325	3327	3353	3377	3384	3357
10	2904	2890	2861	2856	2886	2942	2955	2938
15	2264	2228	2189	2176	2215	2261	2308	2316
20	1522	1486	1420	1392	1435	1481	1546	1566
25	848	810	750	738	757	790	841	868
30	383	362	336	334	334	348	371	394
35	174	165	150	148	149	154	168	179
40	75.3	65.8	57.3	55.5	58.2	61.9	71.6	77.7
45	34.2	31.6	29.5	29.4	30.4	32.0	33.9	35.0
50	21.6	20.1	18.9	18.8	19.6	20.6	21.9	22.0
55	16.8	16.3	15.7	15.1	15.5	16.4	17.4	17.2
60	14.7	14.4	13.8	13.4	13.8	14.7	15.5	15.3
65	12.5	11.8	11.2	11.0	11.4	12.2	13.1	13.0
70	9.51	8.91	8.37	8.23	8.55	9.22	9.89	9.94
75	6.68	6.17	5.74	5.65	5.90	6.41	6.95	7.00
80	4.10	3.70	3.37	3.31	3.52	3.88	4.29	4.33
85	1.82	1.52	1.28	1.23	1.39	1.62	1.91	1.95
90	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.04

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 36D 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	3519	3519	3519	3519	3519	3519	3519	3519
3.0	3445	3441	3437	3448	3464	3478	3481	3463
6.0	3266	3265	3253	3256	3283	3311	3319	3288
9.0	3010	2998	2972	2969	2999	3047	3060	3038
12.0	2670	2649	2615	2605	2636	2689	2717	2712
15.0	2264	2228	2189	2176	2215	2261	2308	2316
18.0	1825	1784	1729	1706	1753	1795	1860	1874
21.0	1375	1339	1271	1242	1283	1325	1390	1412
24.0	966.0	930.4	871.3	848.7	875.9	915.4	968.8	986.3
27.0	628.4	596.4	546.2	543.7	550.3	572.6	616.3	646.2
30.0	383.3	362.1	335.5	334.2	334.2	348.4	371.3	393.9
33.0	235.3	229.6	208.0	211.0	209.3	213.9	231.2	243.0
36.0	148.7	139.3	126.2	123.7	125.6	129.8	143.0	153.7
39.0	91.02	79.82	70.36	67.93	70.80	75.05	85.91	94.05
42.0	52.44	45.76	40.19	39.56	41.40	44.19	50.12	54.07
45.0	34.23	31.64	29.54	29.38	30.39	31.98	33.87	35.05
48.0	26.37	24.56	21.95	21.59	22.57	24.44	26.39	26.72
51.0	20.14	19.21	18.09	18.00	18.58	19.58	20.58	20.50
54.0	17.58	16.92	16.21	15.61	15.97	16.96	18.04	17.97
57.0	15.76	15.45	14.99	14.51	14.83	15.72	16.51	16.28
60.0	14.71	14.36	13.83	13.44	13.76	14.69	15.48	15.26
63.0	13.52	13.04	12.46	12.13	12.50	13.41	14.21	14.06
66.0	11.87	11.25	10.62	10.44	10.80	11.59	12.39	12.39
69.0	10.08	9.481	8.930	8.774	9.103	9.813	10.50	10.54
72.0	8.353	7.779	7.292	7.168	7.460	8.068	8.679	8.738
75.0	6.675	6.169	5.742	5.650	5.905	6.415	6.945	6.999
78.0	5.098	4.653	4.292	4.216	4.447	4.859	5.317	5.362
81.0	3.623	3.242	2.935	2.868	3.075	3.397	3.787	3.826
84.0	2.254	1.933	1.680	1.621	1.802	2.053	2.363	2.407
87.0	0.9862	0.7079	0.4947	0.4349	0.5696	0.7801	1.043	1.097
90.0	0.0591	0.0472	0.0643	0.0489	0.0498	0.0459	0.0514	0.0428

C Range: 0 - 360DEG
C Interval: 45.0DEG
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γ Range: 0 - 90DEG
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Humidity:65.0%
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Remarks: