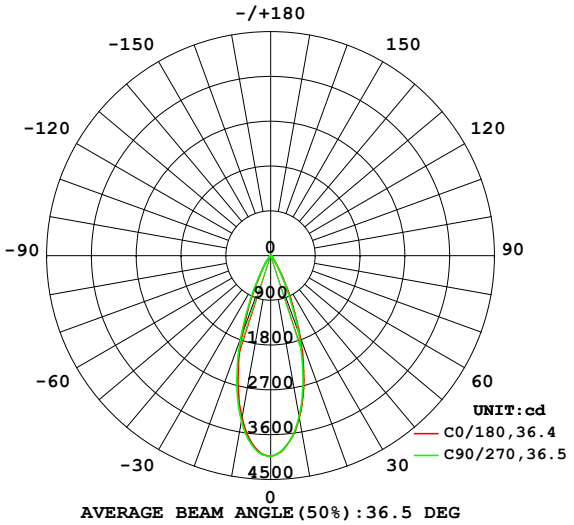
Photometric Filename: HCP-10X2501-2700K RA90 36D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

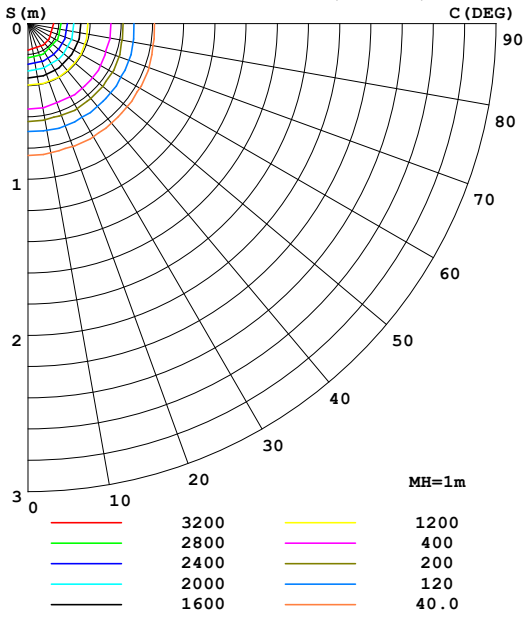
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 67.52 lm/W	
MODEL		Imax(cd)	4030	S/MH(C0/180)	0.58
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1675.3	η UP,DN(C0-180)	0.0,49.4
NOMINAL FLUX(lm)	1675.33	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.19	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):36.5 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	3320	3330	3292	3267	3319	3385	3379	3339	0- 10	350.2	350.2	20.9,20.9
20	1736	1734	1641	1582	1663	1730	1769	1749	10- 20	698.9	1049	62.6,62.6
30	438.2	439.5	392.7	369.1	391.1	422.8	426.9	426.2	20- 30	428.8	1478	88.2,88.2
40	87.65	81.79	68.07	62.43	68.86	75.34	82.74	85.36	30- 40	124.9	1603	95.7,95.7
50	25.12	23.81	22.19	21.99	22.88	24.03	25.37	25.31	40- 50	31.42	1634	97.5,97.5
60	17.11	16.88	16.17	15.60	16.05	17.11	18.00	17.62	50- 60	17.46	1652	98.6,98.6
70	11.02	10.49	9.792	9.554	9.963	10.69	11.42	11.38	60- 70	13.74	1665	99.4,99.4
80	4.759	4.378	3.969	3.859	4.119	4.496	4.922	4.938	70- 80	7.789	1673	99.9,99.9
90	0.0682	0.0558	0.0789	0.0573	0.0628	0.0567	0.0609	0.0524	80- 90	2.101	1675	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): 1622.1 lm

%lum = 96.8%
%lamp = 96.8%

Conical surface Flux(120deg): 1651.7 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:

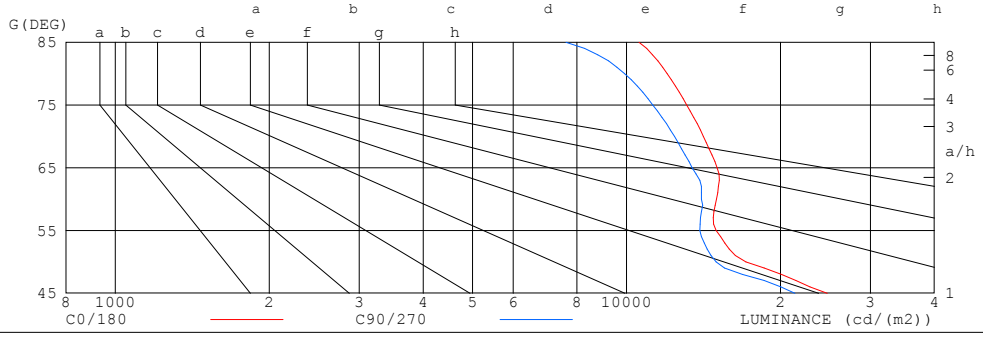
Photometric Filename: HCP-10X2501-2700K RA90 36D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz **UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm**		
NAME: HCP-10X2501-2700K RA90 36D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**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	10581	7610
80	12011	9911
75	13121	11257
70	14126	12414
65	15047	13429
60	14998	14021
55	14967	13902
50	17126	14967
45	24679	21338

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-10X2501-2700K RA90 36D WHITE

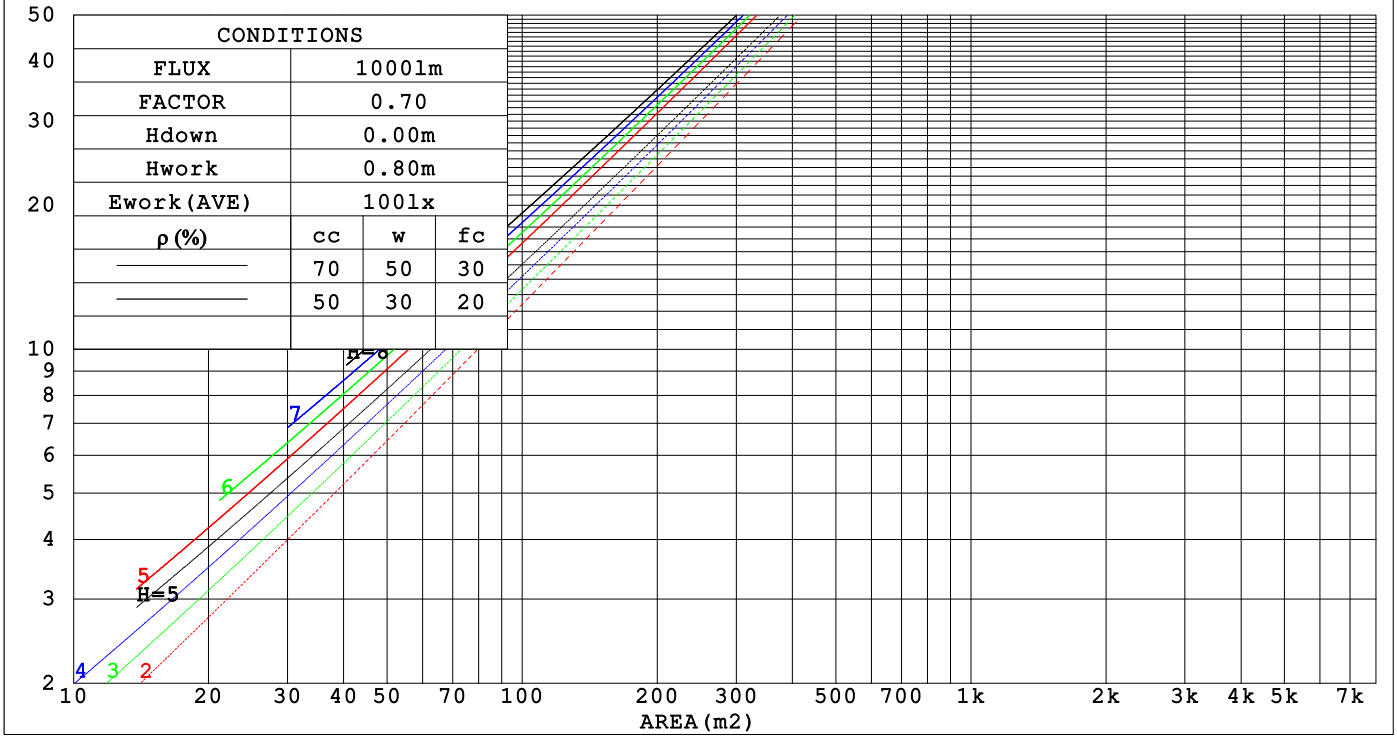
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	.97	.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	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.81	.89	.85	.81	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.81	.77	.85	.81	.77	.84	.80	.77	.82	.79	.76	.81	.78	.76	.74
7.0	.82	.77	.74	.82	.77	.73	.80	.76	.73	.79	.76	.73	.78	.75	.72	.71
8.0	.79	.74	.70	.78	.74	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.68
9.0	.76	.71	.67	.75	.71	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.66
10.0	.73	.68	.65	.72	.68	.65	.72	.67	.64	.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-10X2501-2700K RA90 36D WHITE

WEC AND CCEC

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	.153	.087	.028	.140	.080	.026	.129	.074	.024	.118	.068	.022	
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.124	.069	.022	.115	.065	.021	
3.0	.140	.075	.022	.136	.073	.022	.127	.069	.021	.119	.065	.020	.111	.062	.019	
4.0	.132	.069	.020	.128	.067	.020	.121	.064	.019	.114	.061	.018	.107	.058	.018	
5.0	.125	.064	.018	.122	.062	.018	.115	.060	.018	.109	.058	.017	.104	.055	.017	
6.0	.119	.060	.017	.116	.058	.017	.110	.056	.016	.105	.055	.016	.100	.053	.016	
7.0	.113	.056	.016	.110	.055	.016	.106	.053	.015	.101	.052	.015	.097	.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	.048	.013	.097	.047	.013	.094	.046	.013	.091	.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	.140	.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	.092	.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-10X2501-2700K RA90 36D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	17.4	18.2	17.6	18.3	18.5	16.9	17.7	17.1	17.8	18.0
3H	17.9	18.6	18.1	18.8	19.0	17.3	18.1	17.6	18.3	18.5
4H	18.1	18.8	18.4	19.0	19.2	17.5	18.2	17.8	18.5	18.7
6H	18.3	18.9	18.6	19.2	19.4	17.7	18.3	18.0	18.6	18.8
8H	18.3	19.0	18.6	19.2	19.5	17.7	18.4	18.0	18.6	18.9
12H	18.4	19.0	18.7	19.2	19.5	17.7	18.3	18.1	18.6	18.9
4H 2H	17.4	18.1	17.7	18.3	18.6	17.0	17.7	17.2	17.9	18.1
3H	18.1	18.7	18.4	19.0	19.2	17.6	18.2	17.9	18.5	18.8
4H	18.4	19.0	18.8	19.3	19.6	17.9	18.5	18.3	18.8	19.1
6H	18.7	19.2	19.1	19.5	19.9	18.2	18.7	18.5	19.0	19.3
8H	18.8	19.3	19.2	19.6	20.0	18.2	18.7	18.6	19.1	19.4
12H	18.9	19.3	19.3	19.7	20.1	18.3	18.7	18.7	19.1	19.5
8H 4H	18.5	18.9	18.9	19.3	19.7	18.0	18.5	18.4	18.8	19.2
6H	18.9	19.3	19.3	19.6	20.1	18.4	18.7	18.8	19.1	19.5
8H	19.0	19.4	19.5	19.8	20.2	18.5	18.8	18.9	19.2	19.7
12H	19.1	19.4	19.6	19.9	20.3	18.6	18.8	19.0	19.3	19.8
12H 4H	18.5	18.9	18.9	19.3	19.6	18.0	18.4	18.4	18.8	19.2
6H	18.9	19.2	19.3	19.6	20.1	18.4	18.7	18.8	19.1	19.6
8H	19.1	19.3	19.5	19.8	20.2	18.5	18.8	19.0	19.3	19.7

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.5 / - 1.2	+ 1.2 / - 1.2
1.5H	+ 3.0 / - 1.1	+ 2.6 / - 1.1
2.0H	+ 0.8 / - 0.4	+ 0.7 / - 0.4

CIE Pub.117, 1675 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.8)
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-10X2501-2700K RA90 36D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	90	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	107	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	

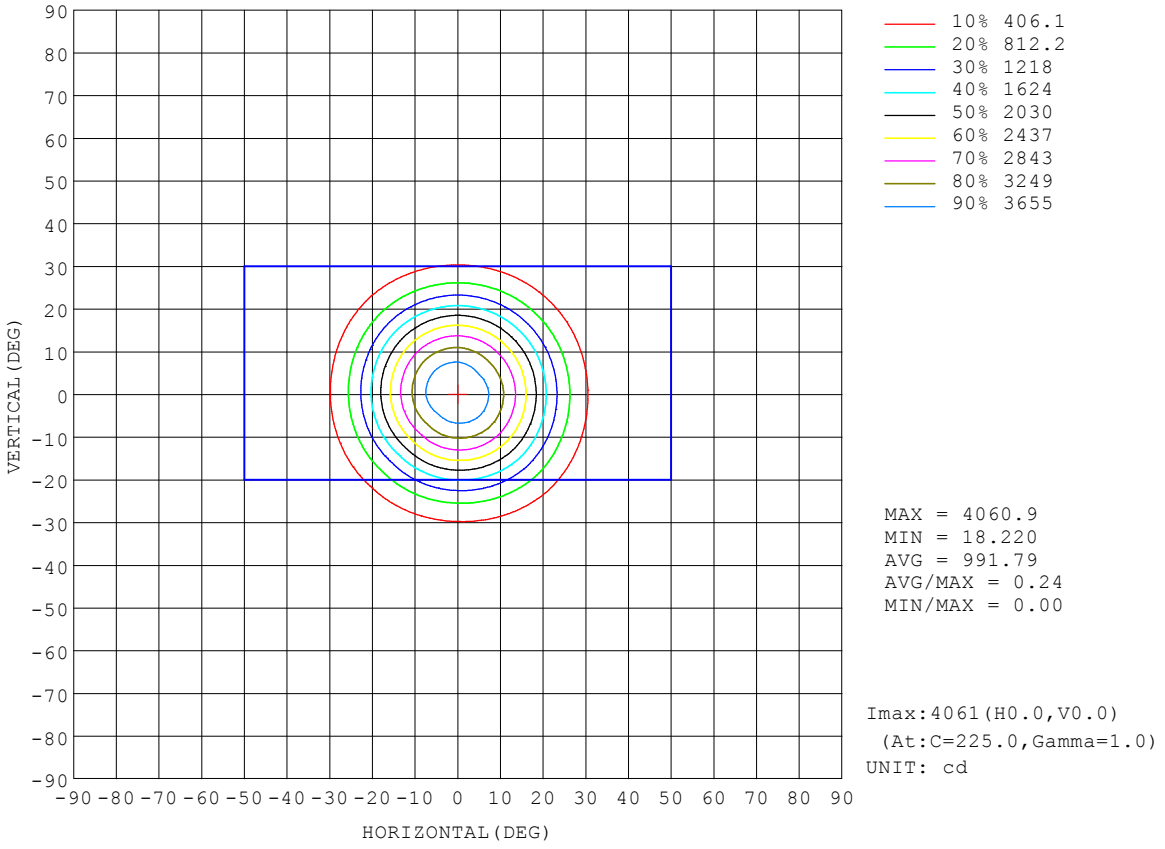
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-2700K RA90 36D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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
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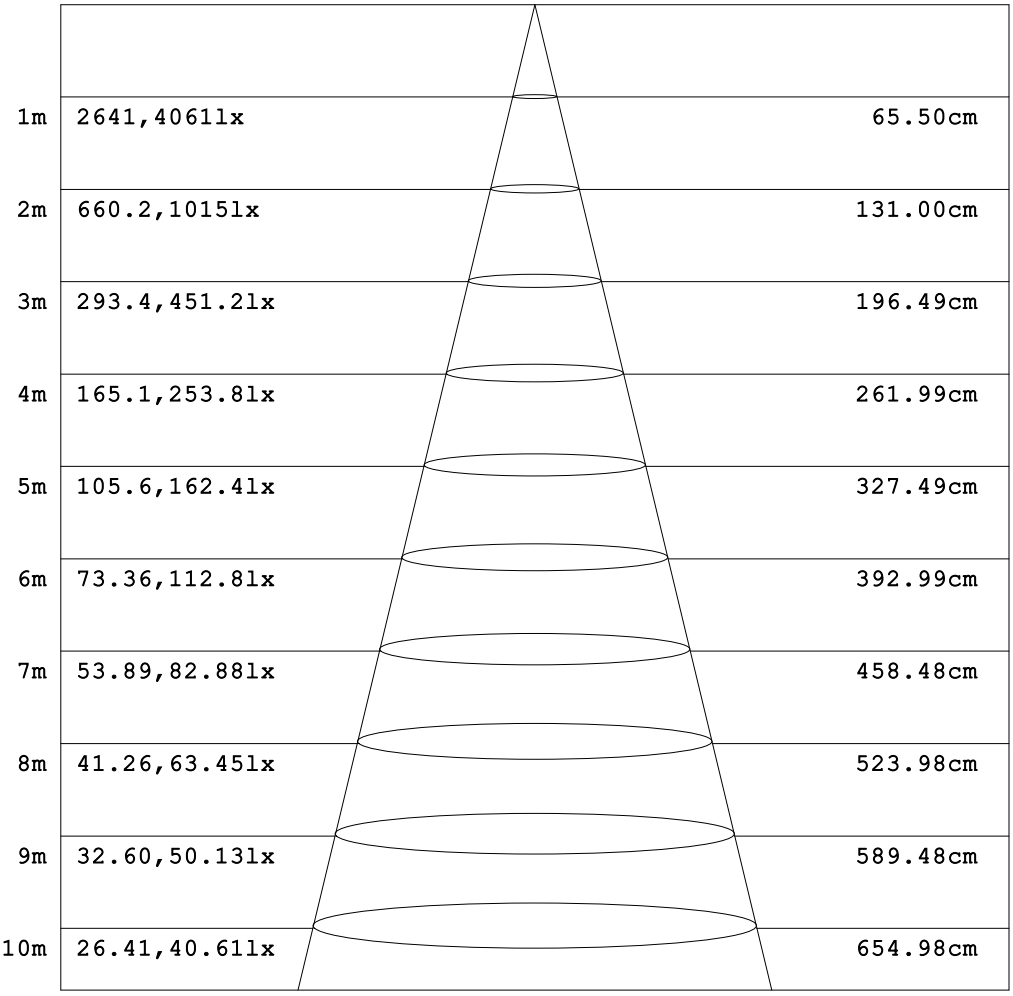
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-2700K RA90 36D WHITE

AAI Figure

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz **UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm**		
NAME: HCP-10X2501-2700K RA90 36D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 55mm**	**Shielding Angle:**

Flux out:983.6 lm



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

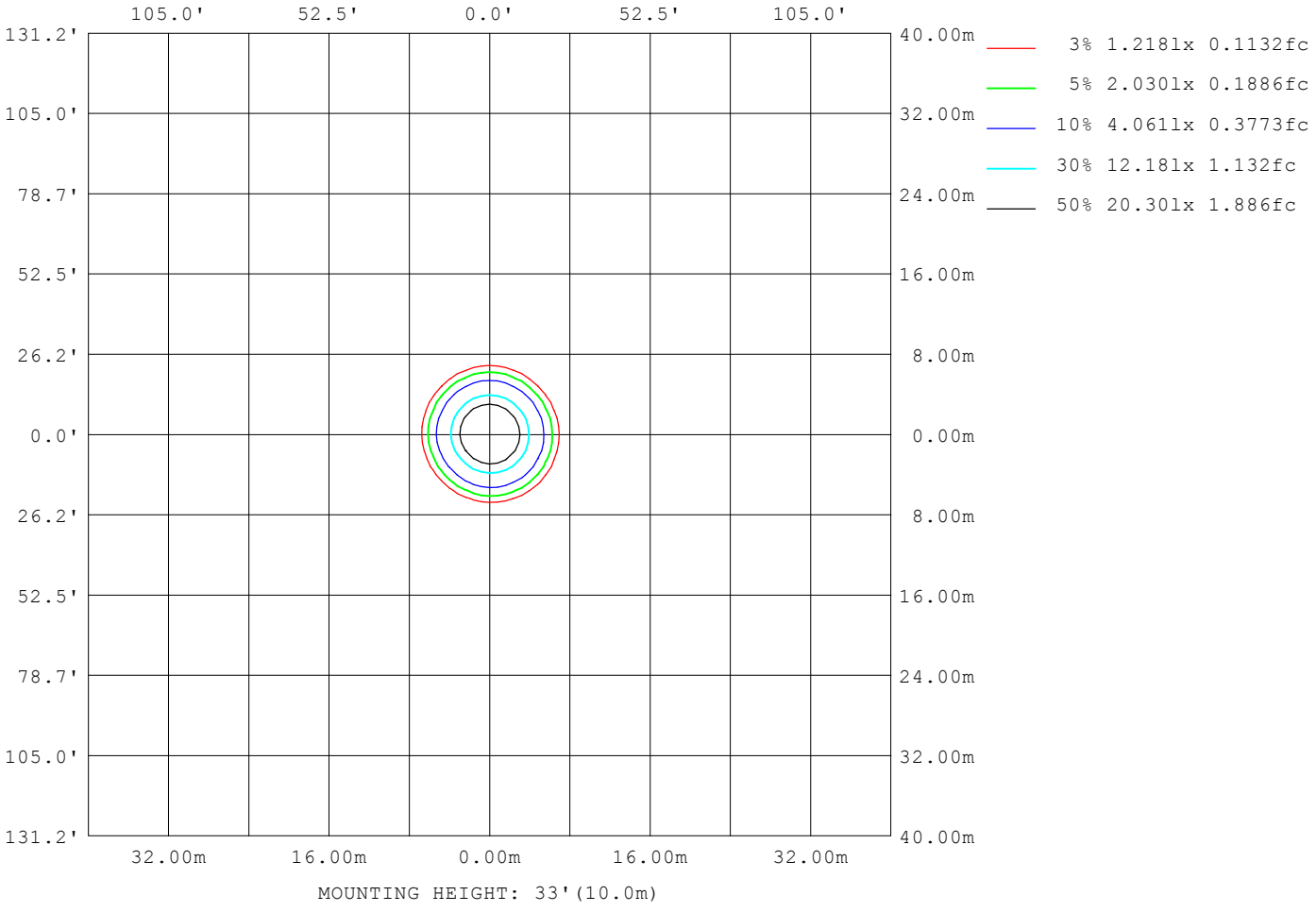
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-2700K RA90 36D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz **UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm**		
NAME: HCP-10X2501-2700K RA90 36D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**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:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	14281
L_0~180(75)av	12299
L_0~180(85)av	9323
L_90~270(65)av	14515
L_90~270(75)av	12368
L_90~270(85)av	9234
L_45(65)av	14367
L_45(75)av	12309
L_45(85)av	9149

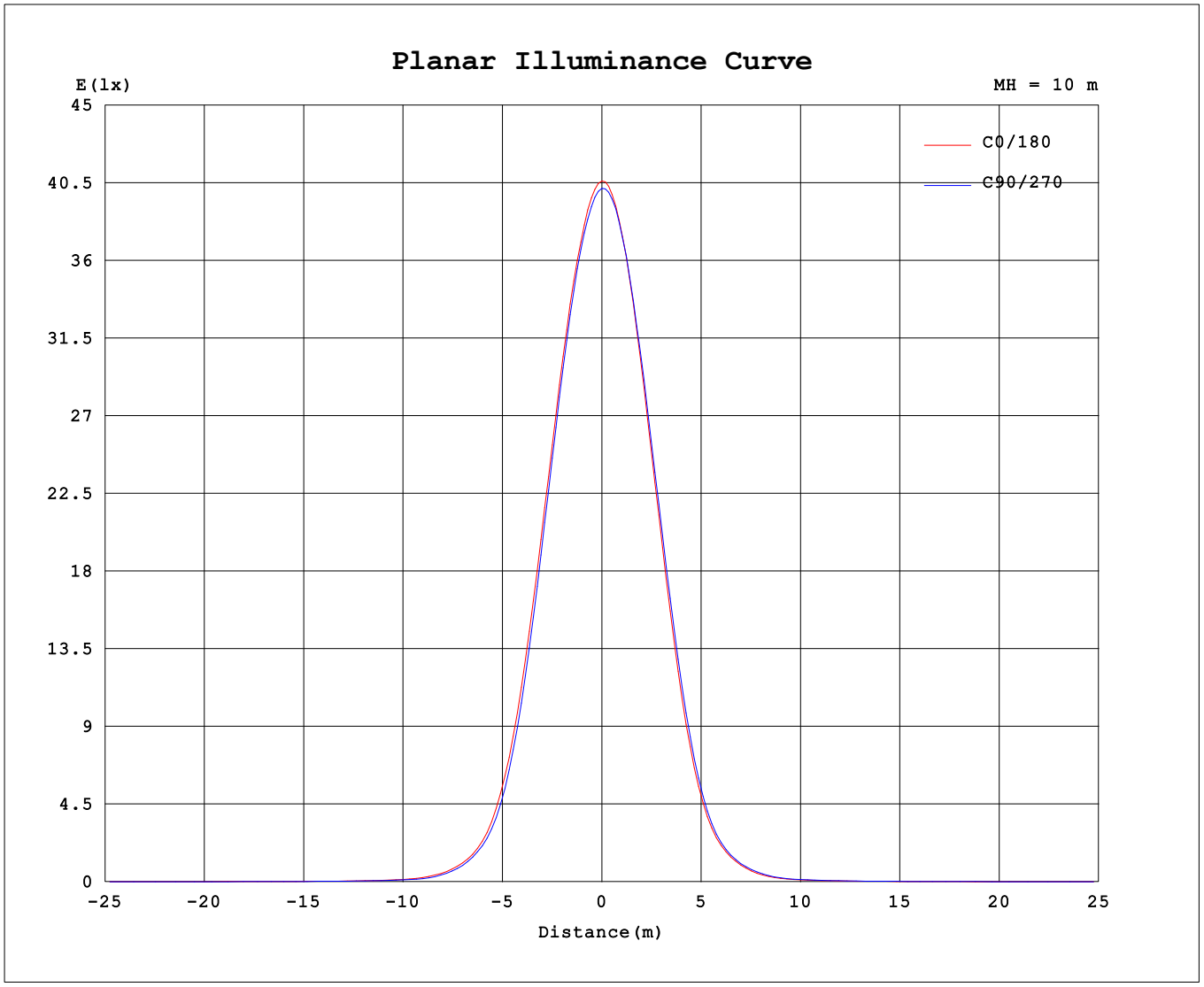
Standard: GB/T 29293-2012

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:

Photometric Filename: HCP-10X2501-2700K RA90 36D WHITE

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-10X2501-2700K RA90 36D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1052A P:24.8W PF:0.9820 Freq:49.99Hz UTHDi:0.26% ITHDi:7.73% KDisp:0.9878 Lamp Flux:1675.33x1 lm		
NAME: HCP-10X2501-2700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	4029	4029	4029	4029	4029	4029	4029	4029
5	3820	3823	3814	3811	3844	3877	3875	3832
10	3320	3330	3292	3267	3319	3385	3379	3339
15	2585	2579	2525	2480	2547	2617	2641	2621
20	1736	1734	1641	1582	1663	1730	1769	1749
25	962	966	877	825	881	961	961	956
30	438	440	393	369	391	423	427	426
35	199	205	176	163	176	189	194	193
40	87.7	81.8	68.1	62.4	68.9	75.3	82.7	85.4
45	39.8	38.3	34.8	33.6	35.7	38.0	39.4	39.7
50	25.1	23.8	22.2	22.0	22.9	24.0	25.4	25.3
55	19.6	19.3	18.4	17.6	18.1	19.1	20.2	19.9
60	17.1	16.9	16.2	15.6	16.1	17.1	18.0	17.6
65	14.5	13.9	13.1	12.8	13.3	14.2	15.1	15.0
70	11.0	10.5	9.79	9.55	9.96	10.7	11.4	11.4
75	7.75	7.28	6.72	6.57	6.89	7.45	8.01	8.01
80	4.76	4.38	3.97	3.86	4.12	4.50	4.92	4.94
85	2.10	1.81	1.53	1.45	1.63	1.86	2.17	2.21
90	0.07	0.06	0.08	0.06	0.06	0.06	0.06	0.05

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-10X2501-2700K 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	4029	4029	4029	4029	4029	4029	4029	4029
3.0	3946	3942	3938	3947	3966	3988	3984	3962
6.0	3739	3752	3736	3731	3767	3804	3802	3753
9.0	3447	3454	3420	3398	3450	3505	3503	3458
12.0	3052	3053	3010	2980	3030	3101	3112	3079
15.0	2585	2579	2525	2480	2547	2617	2641	2621
18.0	2082	2073	1995	1941	2021	2090	2127	2103
21.0	1569	1569	1472	1408	1488	1554	1590	1574
24.0	1099	1103	1007	953.1	1019	1082	1105	1090
27.0	718.0	718.8	637.5	605.8	644.0	687.0	704.4	705.3
30.0	438.2	439.5	392.7	369.1	391.1	422.8	426.9	426.2
33.0	269.8	278.9	244.1	231.8	242.4	261.5	264.7	262.2
36.0	170.5	172.2	147.9	135.9	147.8	159.3	165.4	166.2
39.0	102.9	99.21	84.58	75.68	83.80	93.07	99.20	100.0
42.0	60.78	56.38	47.73	45.03	48.88	53.08	57.91	59.77
45.0	39.82	38.31	34.80	33.62	35.74	37.99	39.40	39.67
48.0	30.67	29.44	26.00	25.09	26.53	28.71	30.57	30.40
51.0	23.45	22.55	21.24	21.00	21.77	22.83	23.88	23.71
54.0	20.49	19.94	18.99	18.19	18.67	19.76	20.94	20.76
57.0	18.36	18.17	17.52	16.86	17.31	18.32	19.22	18.81
60.0	17.11	16.88	16.17	15.60	16.05	17.11	18.00	17.62
63.0	15.73	15.35	14.57	14.10	14.57	15.60	16.49	16.20
66.0	13.81	13.24	12.43	12.12	12.59	13.47	14.33	14.24
69.0	11.70	11.17	10.43	10.18	10.61	11.38	12.14	12.08
72.0	9.699	9.168	8.530	8.326	8.705	9.373	10.02	10.01
75.0	7.749	7.278	6.720	6.567	6.894	7.450	8.005	8.014
78.0	5.913	5.498	5.035	4.907	5.187	5.641	6.116	6.131
81.0	4.200	3.838	3.453	3.352	3.598	3.942	4.346	4.357
84.0	2.610	2.300	1.994	1.906	2.109	2.366	2.697	2.728
87.0	1.134	0.8599	0.6173	0.5369	0.6834	0.8865	1.167	1.224
90.0	0.0682	0.0558	0.0789	0.0573	0.0628	0.0567	0.0609	0.0524

C Range: 0 - 360DEG
C Interval: 45.0DEG
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γ Range: 0 - 90DEG
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