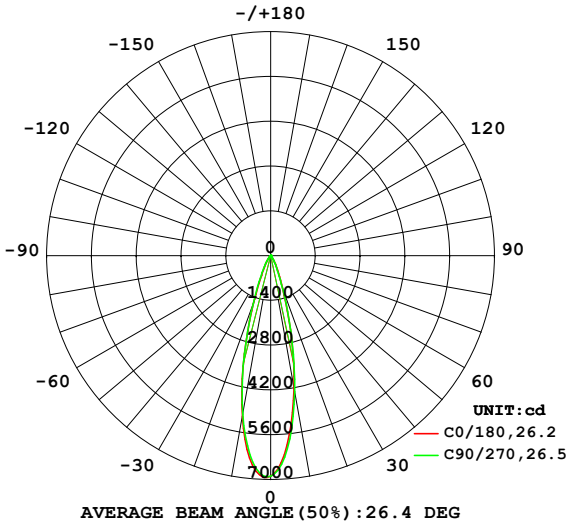
Photometric Filename: HCP-10X2501-4000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

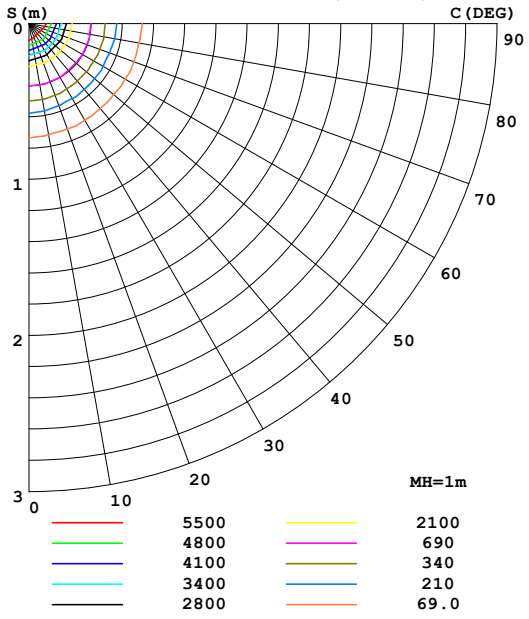
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 74.20 lm/W	
MODEL		Imax(cd)	6952	S/MH(C0/180)	0.47
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1809.0	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1809	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.13	η down(%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):26.4 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



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

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-10X2501-4000K RA90 24D WHITE

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4214	4136	4320	4741	5112	5243	5036	4587	0- 10	546.0	546.0	30.2,30.2
20	1123	1042	1123	1317	1550	1685	1606	1355	10- 20	764.9	1311	72.5,72.5
30	304.7	268.4	275.7	313.6	363.2	403.7	414.4	369.6	20- 30	312.3	1623	89.7,89.7
40	64.07	59.55	64.61	77.29	92.12	95.36	96.40	77.93	30- 40	115.7	1739	96.1,96.1
50	20.40	20.80	22.51	23.64	24.65	24.27	23.01	21.02	40- 50	31.14	1770	97.8,97.8
60	15.18	15.62	16.62	17.11	16.84	16.44	16.63	15.69	50- 60	16.68	1787	98.8,98.8
70	8.853	8.993	9.671	10.57	10.95	10.60	10.07	9.285	60- 70	13.09	1800	99.5,99.5
80	3.311	3.279	3.733	4.449	4.900	4.774	4.355	3.698	70- 80	7.221	1807	99.9,99.9
90	0.0828	0.0642	0.0856	0.0559	0.1080	0.2194	0.0679	0.0594	80- 90	1.946	1809	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): 1758.6 lm

%lum = 97.2%
%lamp = 97.2%

Conical surface Flux(120deg): 1786.7 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:

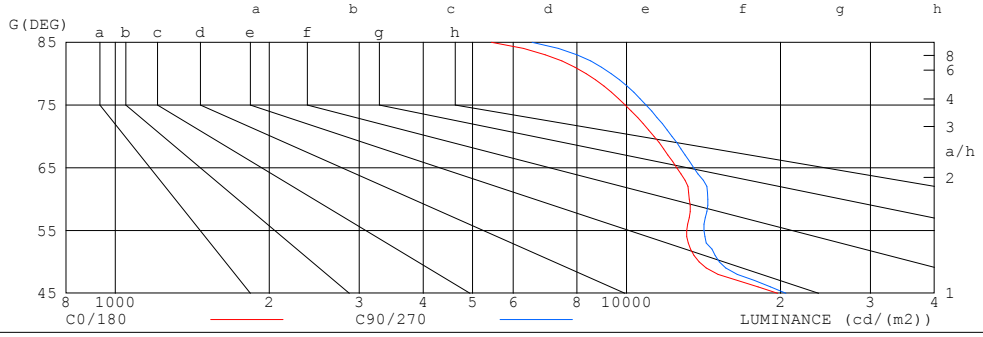
Photometric Filename: HCP-10X2501-4000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz **UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm**		
NAME: HCP-10X2501-4000K 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	5438	6537
80	8335	9329
75	9946	10916
70	11315	12271
65	12547	13536
60	13270	14422
55	13107	14180
50	13875	15195
45	19741	20504

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-10X2501-4000K RA90 24D WHITE

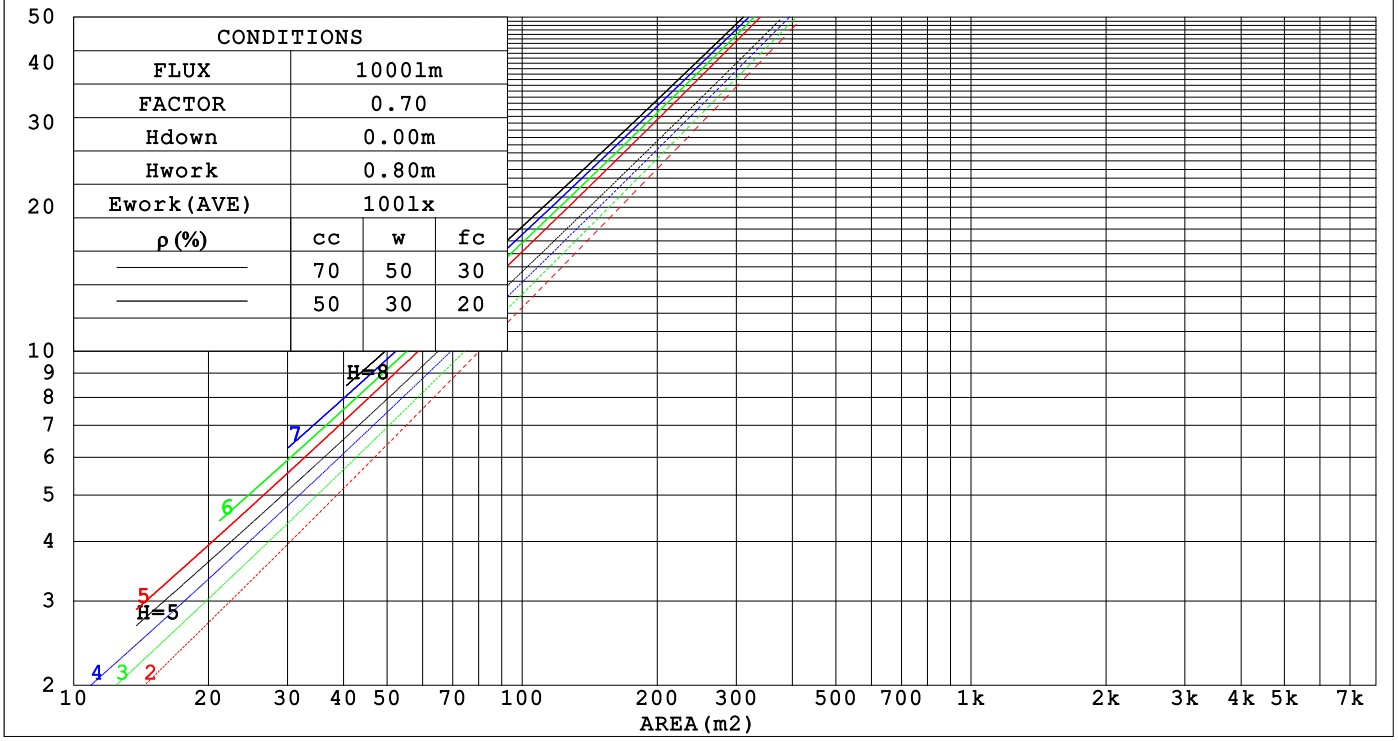
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K 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	.84	.90	.87	.84	.89	.85	.83	.87	.85	.82	.81
6.0	.89	.84	.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	.77	.75	.80	.77	.74	.80	.76	.74	.73
9.0	.80	.76	.73	.80	.75	.72	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
10.0	.77	.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:

WEC AND CCEC

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K 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	.143	.081	.026	.130	.075	.024	.119	.069	.022	.108	.063	.020	
2.0	.139	.076	.023	.134	.074	.023	.123	.069	.021	.114	.064	.020	.105	.059	.019	
3.0	.130	.069	.021	.125	.067	.020	.117	.063	.019	.109	.060	.018	.101	.056	.017	
4.0	.122	.063	.019	.118	.062	.018	.111	.059	.018	.104	.056	.017	.098	.053	.016	
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015	
6.0	.109	.054	.016	.106	.053	.015	.100	.051	.015	.095	.050	.015	.091	.048	.014	
7.0	.103	.051	.014	.101	.050	.014	.096	.049	.014	.092	.047	.014	.087	.045	.013	
8.0	.098	.048	.014	.096	.047	.013	.092	.046	.013	.088	.045	.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	.042	.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	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.138	.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	.049	.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-10X2501-4000K RA90 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K 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	15.4	16.1	15.6	16.2	16.4	15.3	16.0	15.5	16.1	16.3
3H	15.9	16.6	16.2	16.8	17.0	15.9	16.6	16.2	16.8	17.0
4H	16.1	16.8	16.4	17.0	17.2	16.2	16.8	16.5	17.1	17.3
6H	16.3	16.9	16.6	17.1	17.4	16.4	17.0	16.7	17.2	17.5
8H	16.3	16.9	16.6	17.2	17.4	16.4	17.0	16.7	17.3	17.5
12H	16.3	16.9	16.6	17.1	17.4	16.5	17.0	16.8	17.3	17.5
4H 2H	15.5	16.2	15.8	16.4	16.6	15.4	16.1	15.7	16.3	16.5
3H	16.2	16.8	16.6	17.1	17.3	16.3	16.8	16.6	17.1	17.4
4H	16.6	17.1	16.9	17.4	17.7	16.6	17.2	17.0	17.5	17.8
6H	16.8	17.3	17.2	17.6	17.9	16.9	17.4	17.3	17.7	18.1
8H	16.9	17.3	17.2	17.6	18.0	17.0	17.4	17.4	17.8	18.1
12H	16.9	17.3	17.3	17.6	18.0	17.0	17.4	17.4	17.8	18.2
8H 4H	16.6	17.1	17.0	17.4	17.8	16.7	17.1	17.1	17.5	17.9
6H	17.0	17.3	17.4	17.7	18.1	17.1	17.4	17.5	17.8	18.2
8H	17.0	17.4	17.5	17.8	18.2	17.2	17.5	17.6	17.9	18.4
12H	17.1	17.3	17.5	17.8	18.3	17.3	17.5	17.7	18.0	18.4
12H 4H	16.6	17.0	17.0	17.4	17.8	16.7	17.1	17.1	17.4	17.8
6H	16.9	17.3	17.4	17.7	18.1	17.1	17.4	17.5	17.8	18.2
8H	17.1	17.3	17.5	17.8	18.2	17.2	17.5	17.7	17.9	18.4

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.4 / - 1.1	+ 1.2 / - 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, 1809 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.1)
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-10X2501-4000K RA90 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K 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	79	88	83	79	76
0.80	96	91	87	96	90	87	95	90	87	83
1.00	100	95	92	99	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	95
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	

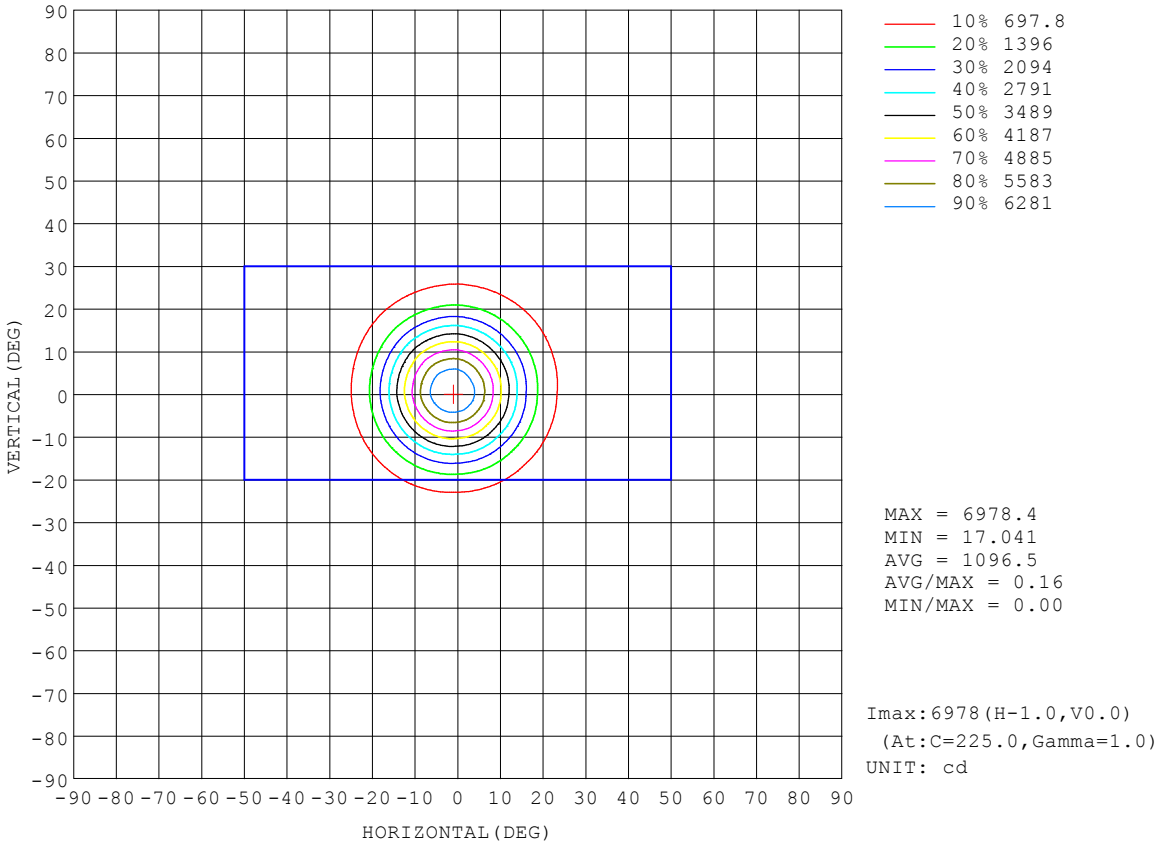
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-4000K RA90 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K 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

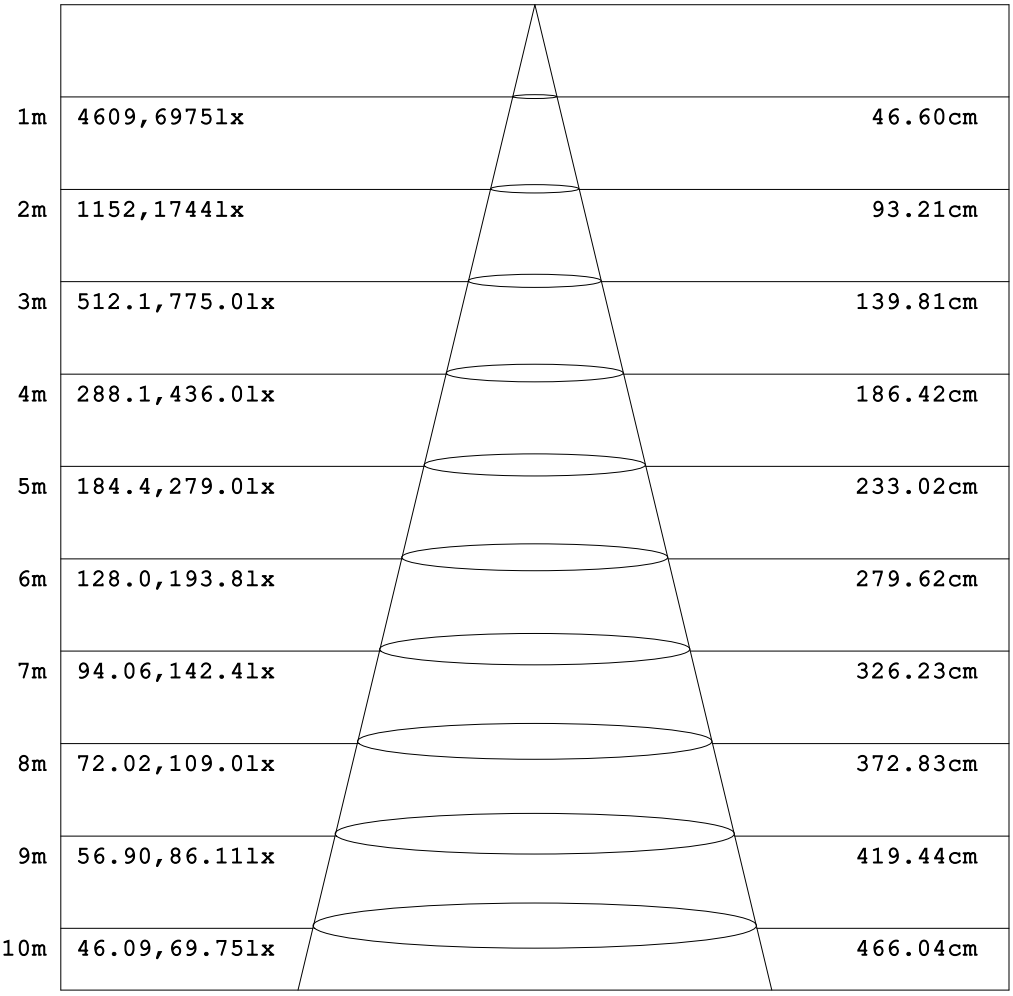
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-4000K RA90 24D WHITE

AAI Figure

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:900.1 lm



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

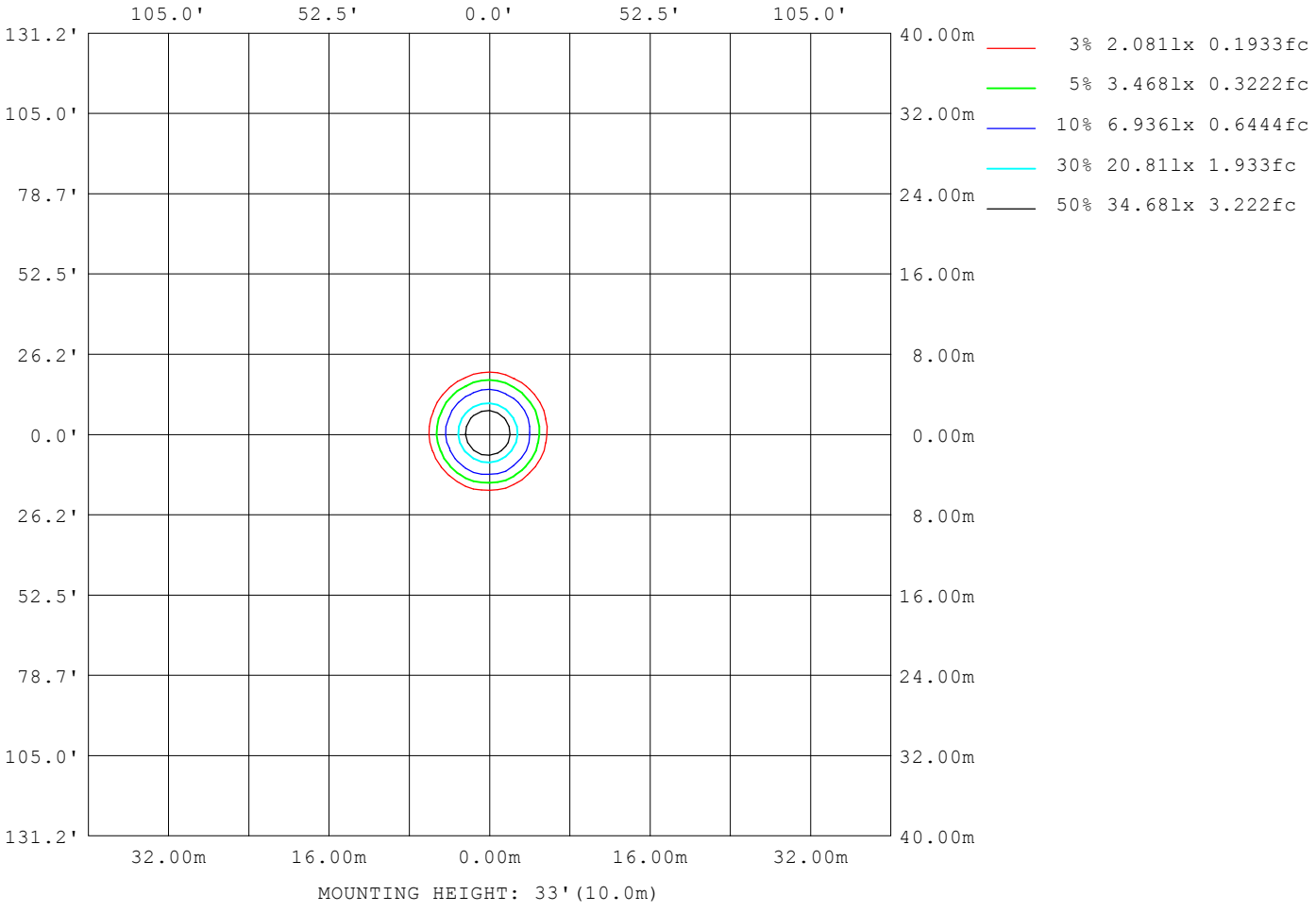
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-4000K RA90 24D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K 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:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

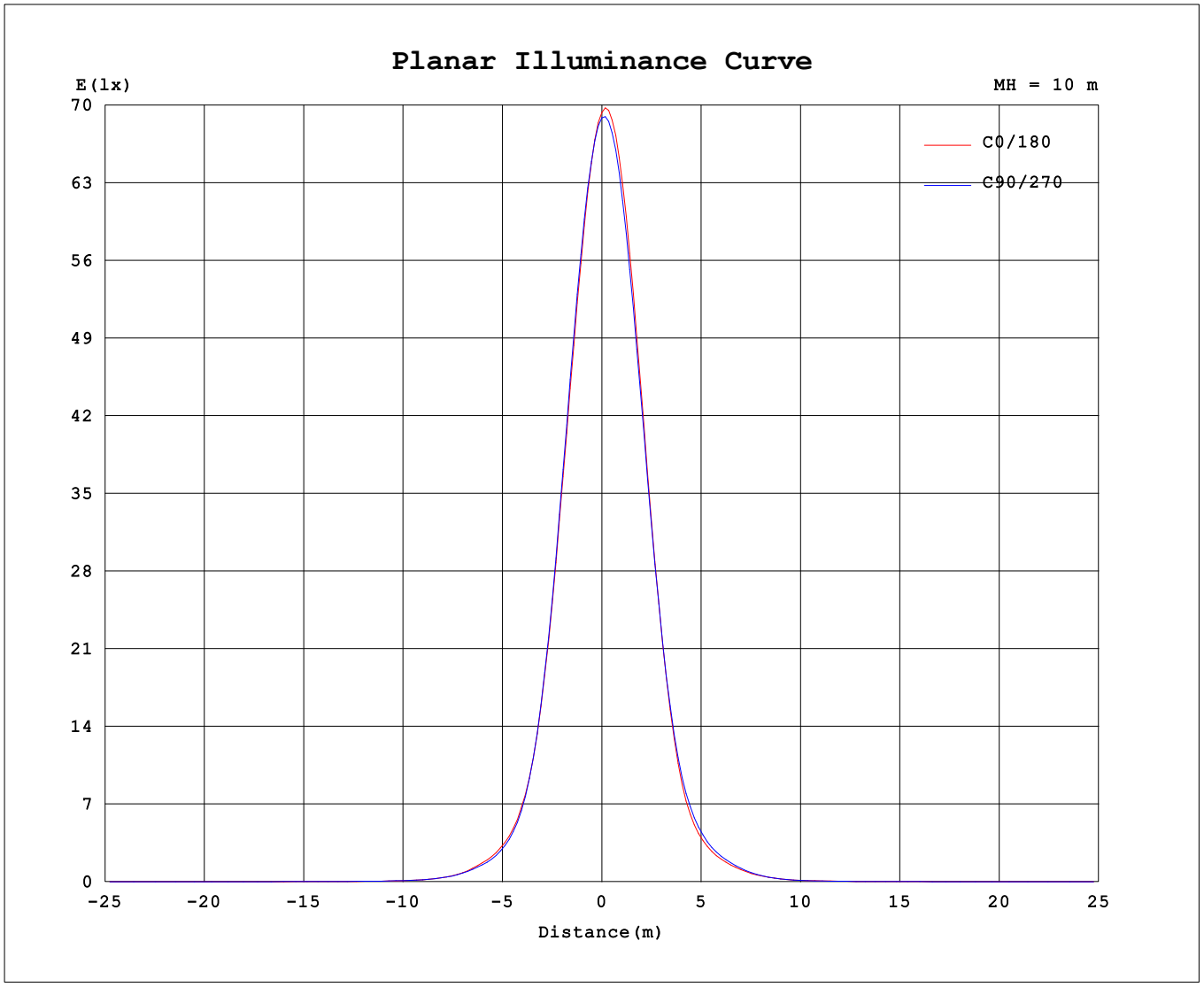
AvgL	cd/m2
L_0~180(65)av	13646
L_0~180(75)av	11454
L_0~180(85)av	8646
L_90~270(65)av	13818
L_90~270(75)av	11364
L_90~270(85)av	8316
L_45(65)av	13678
L_45(75)av	11386
L_45(85)av	8324

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:

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-10X2501-4000K RA90 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1034A P:24.4W PF:0.9813 Freq:49.99Hz UTHDi:0.40% ITHDi:7.79% KDisp:0.9874 Lamp Flux:1809x1 lm		
NAME: HCP-10X2501-4000K 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	6899	6899	6899	6899	6899	6899	6899	6899
5	5948	5907	6055	6345	6569	6620	6478	6178
10	4214	4136	4320	4741	5112	5243	5036	4587
15	2397	2313	2449	2814	3183	3370	3183	2756
20	1123	1042	1123	1317	1550	1685	1606	1355
25	552	499	519	600	686	773	778	681
30	305	268	276	314	363	404	414	370
35	152	137	145	170	203	221	225	191
40	64.1	59.6	64.6	77.3	92.1	95.4	96.4	77.9
45	31.9	31.5	33.4	37.5	41.7	41.4	39.0	34.2
50	20.4	20.8	22.5	23.6	24.6	24.3	23.0	21.0
55	17.2	17.7	18.7	18.9	18.6	18.3	18.6	17.7
60	15.2	15.6	16.6	17.1	16.8	16.4	16.6	15.7
65	12.1	12.4	13.2	14.1	14.4	14.0	13.7	12.6
70	8.85	8.99	9.67	10.6	11.0	10.6	10.1	9.29
75	5.89	5.95	6.51	7.33	7.75	7.53	7.02	6.30
80	3.31	3.28	3.73	4.45	4.90	4.77	4.36	3.70
85	1.08	0.97	1.31	1.91	2.38	2.34	2.02	1.46
90	0.08	0.06	0.09	0.06	0.11	0.22	0.07	0.06

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-10X2501-4000K 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	6899	6899	6899	6899	6899	6899	6899	6899
3.0	6470	6442	6531	6709	6858	6892	6791	6603
6.0	5638	5586	5757	6091	6359	6419	6252	5908
9.0	4592	4514	4708	5116	5474	5579	5378	4945
12.0	3465	3375	3545	3963	4352	4519	4309	3846
15.0	2397	2313	2449	2814	3183	3370	3183	2756
18.0	1543	1459	1564	1837	2139	2285	2160	1833
21.0	962.8	884.3	946.6	1110	1306	1431	1377	1168
24.0	628.0	568.6	596.1	691.0	795.0	905.9	890.7	776.2
27.0	431.4	385.0	396.9	457.0	523.3	589.1	596.9	526.5
30.0	304.7	268.4	275.7	313.6	363.2	403.7	414.4	369.6
33.0	207.8	186.0	191.7	223.1	258.2	283.7	292.0	257.5
36.0	129.0	116.3	123.2	146.8	174.6	190.0	192.9	161.9
39.0	77.04	70.11	76.50	90.72	108.9	114.7	115.7	95.51
42.0	45.81	44.16	47.18	56.26	65.78	66.77	65.16	52.92
45.0	31.93	31.46	33.41	37.51	41.70	41.39	38.98	34.23
48.0	23.13	23.26	25.41	28.18	30.13	29.97	28.46	24.84
51.0	19.51	19.94	21.61	22.39	22.69	22.18	21.47	20.06
54.0	17.63	18.11	19.27	19.74	19.43	19.09	19.15	18.13
57.0	16.52	16.96	17.89	18.25	17.89	17.52	17.71	16.97
60.0	15.18	15.62	16.62	17.11	16.84	16.44	16.63	15.69
63.0	13.51	13.83	14.79	15.56	15.46	15.07	14.95	14.06
66.0	11.45	11.70	12.44	13.40	13.70	13.33	12.84	11.91
69.0	9.493	9.648	10.35	11.26	11.63	11.28	10.73	9.921
72.0	7.622	7.726	8.364	9.232	9.628	9.359	8.796	8.046
75.0	5.889	5.948	6.510	7.329	7.748	7.532	7.019	6.303
78.0	4.297	4.302	4.805	5.560	5.998	5.837	5.379	4.702
81.0	2.836	2.787	3.222	3.911	4.371	4.260	3.859	3.224
84.0	1.503	1.404	1.772	2.392	2.862	2.798	2.460	1.879
87.0	0.2736	0.1289	0.4106	0.9731	1.445	1.453	1.176	0.6513
90.0	0.0828	0.0642	0.0856	0.0559	0.1080	0.2194	0.0679	0.0594

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