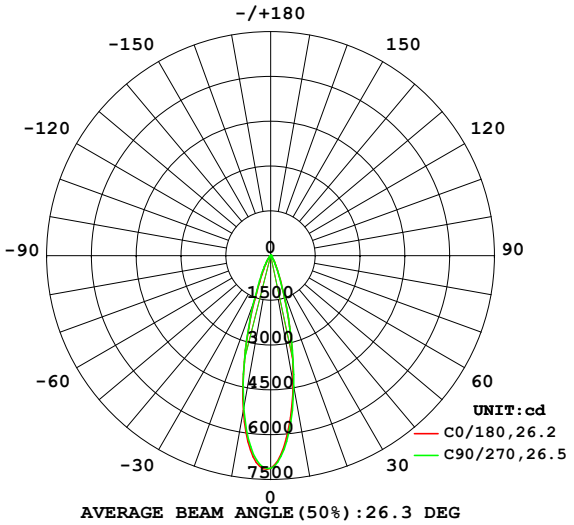
Photometric Filename: HCP-10X2501-5700K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

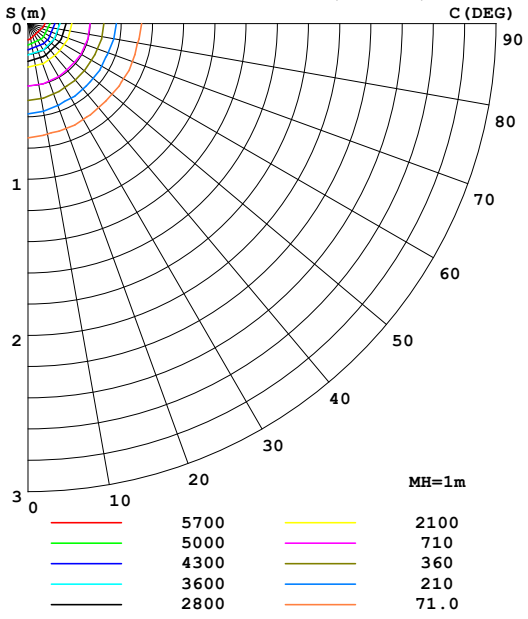
DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.69 lm/W			
MODEL		Imax(cd)	7166	S/MH(C0/180)	0.47
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.48
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1864.0	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1863.98	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.21	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	4339	4258	4456	4891	5273	5398	5192	4733	0- 10	562.8	562.8	30.2,30.2
20	1152	1031	1158	1402	1596	1684	1664	1436	10- 20	788.1	1351	72.5,72.5
30	314.0	261.3	286.5	339.3	373.8	389.8	431.5	399.2	20- 30	321.8	1673	89.7,89.7
40	65.69	58.95	66.97	82.62	94.27	94.59	100.4	84.85	30- 40	119.2	1792	96.1,96.1
50	20.94	21.32	23.17	24.39	25.31	24.76	23.74	21.77	40- 50	32.01	1824	97.8,97.8
60	15.62	16.01	17.09	17.68	17.30	16.87	17.16	16.24	50- 60	17.17	1841	98.8,98.8
70	9.116	9.198	9.945	10.94	11.25	10.88	10.39	9.640	60- 70	13.48	1855	99.5,99.5
80	3.408	3.346	3.844	4.607	5.034	4.888	4.499	3.847	70- 80	7.438	1862	99.9,99.9
90	0.0873	0.0674	0.0901	0.0629	0.1049	0.2259	0.0708	0.0623	80- 90	2.004	1864	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): 1812.1 lm

%lum = 97.2%
%lamp = 97.2%

Conical surface Flux(120deg): 1841.1 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:

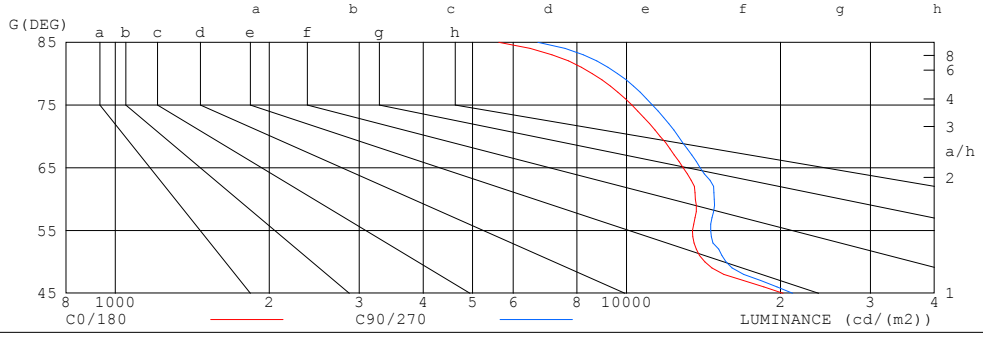
Photometric Filename: HCP-10X2501-5700K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz **UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm**		
NAME: HCP-10X2501-5700K 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	5622	6708
80	8572	9610
75	10241	11238
70	11641	12623
65	12908	13940
60	13640	14840
55	13459	14605
50	14230	15650
45	20244	21144

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-10X2501-5700K RA90 24D WHITE

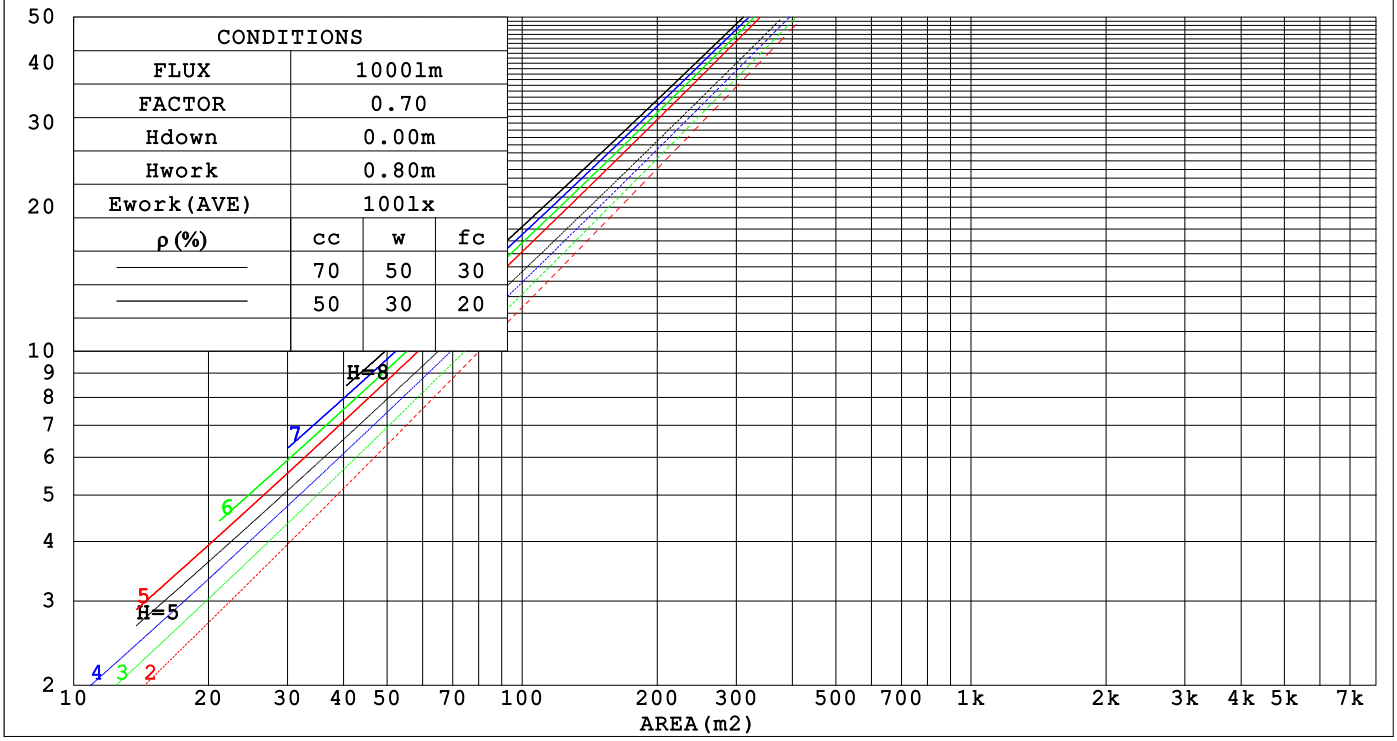
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K 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	.86	.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:

Photometric Filename: HCP-10X2501-5700K RA90 24D WHITE

WEC AND CCEC

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K 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-10X2501-5700K RA90 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K 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	16.2	16.3
3H	15.9	16.6	16.2	16.8	17.0	16.0	16.6	16.2	16.8	17.0
4H	16.2	16.8	16.4	17.0	17.2	16.3	16.9	16.5	17.1	17.3
6H	16.3	16.9	16.6	17.2	17.4	16.5	17.1	16.7	17.3	17.5
8H	16.4	16.9	16.7	17.2	17.4	16.5	17.1	16.8	17.3	17.6
12H	16.4	16.9	16.7	17.2	17.4	16.5	17.1	16.8	17.3	17.6
4H 2H	15.5	16.2	15.8	16.4	16.6	15.5	16.1	15.7	16.3	16.5
3H	16.3	16.8	16.6	17.1	17.4	16.3	16.9	16.6	17.1	17.4
4H	16.6	17.1	16.9	17.4	17.7	16.7	17.2	17.0	17.5	17.8
6H	16.8	17.3	17.2	17.6	18.0	17.0	17.4	17.4	17.8	18.1
8H	16.9	17.3	17.3	17.7	18.0	17.1	17.5	17.5	17.8	18.2
12H	16.9	17.3	17.3	17.7	18.1	17.1	17.5	17.5	17.9	18.2
8H 4H	16.7	17.1	17.1	17.5	17.8	16.8	17.2	17.2	17.5	17.9
6H	17.0	17.3	17.4	17.7	18.1	17.1	17.5	17.6	17.9	18.3
8H	17.1	17.4	17.5	17.8	18.3	17.3	17.6	17.7	18.0	18.4
12H	17.1	17.4	17.6	17.8	18.3	17.3	17.6	17.8	18.0	18.5
12H 4H	16.7	17.0	17.1	17.4	17.8	16.7	17.1	17.2	17.5	17.9
6H	17.0	17.3	17.4	17.7	18.2	17.1	17.4	17.6	17.9	18.3
8H	17.1	17.4	17.6	17.8	18.3	17.3	17.5	17.7	18.0	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 / - 1.0					+ 2.5 / - 0.8				
2.0H	+ 0.6 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117, 1864 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.2)
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-10X2501-5700K RA90 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K 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	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	

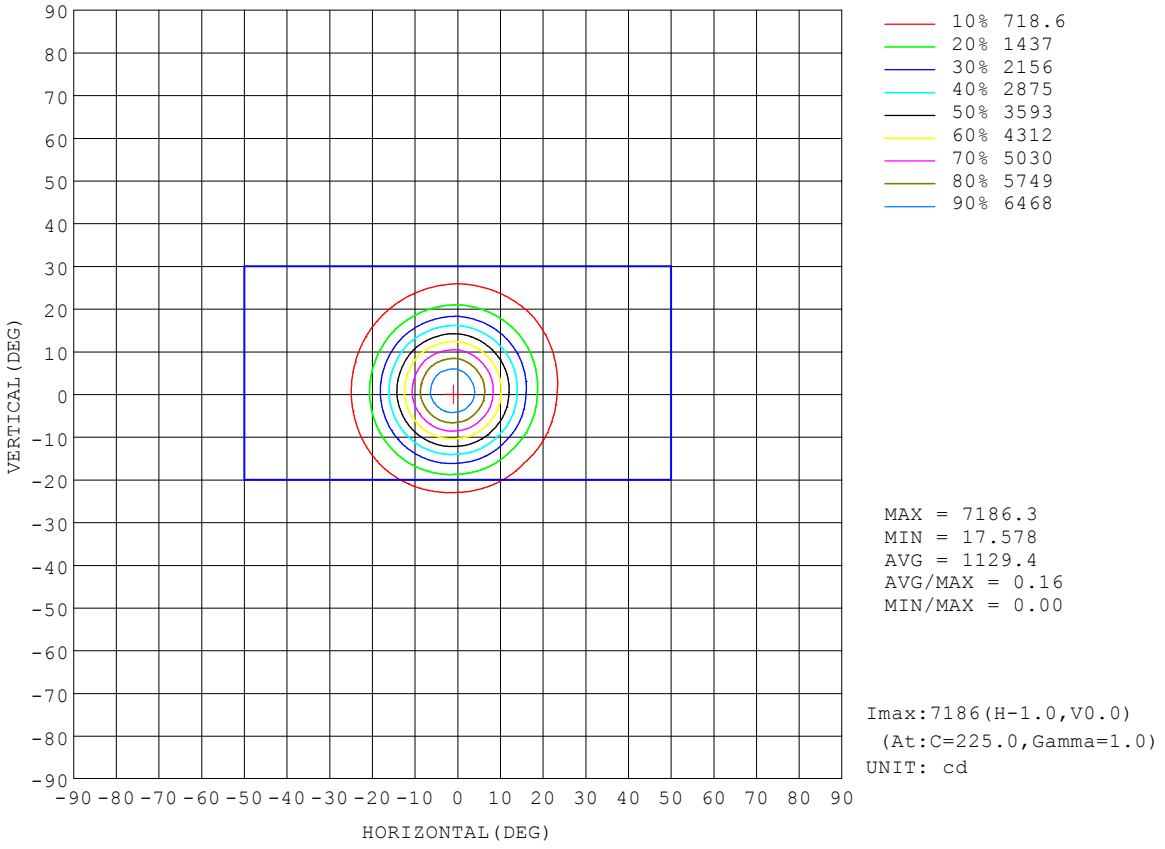
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-5700K RA90 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K 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
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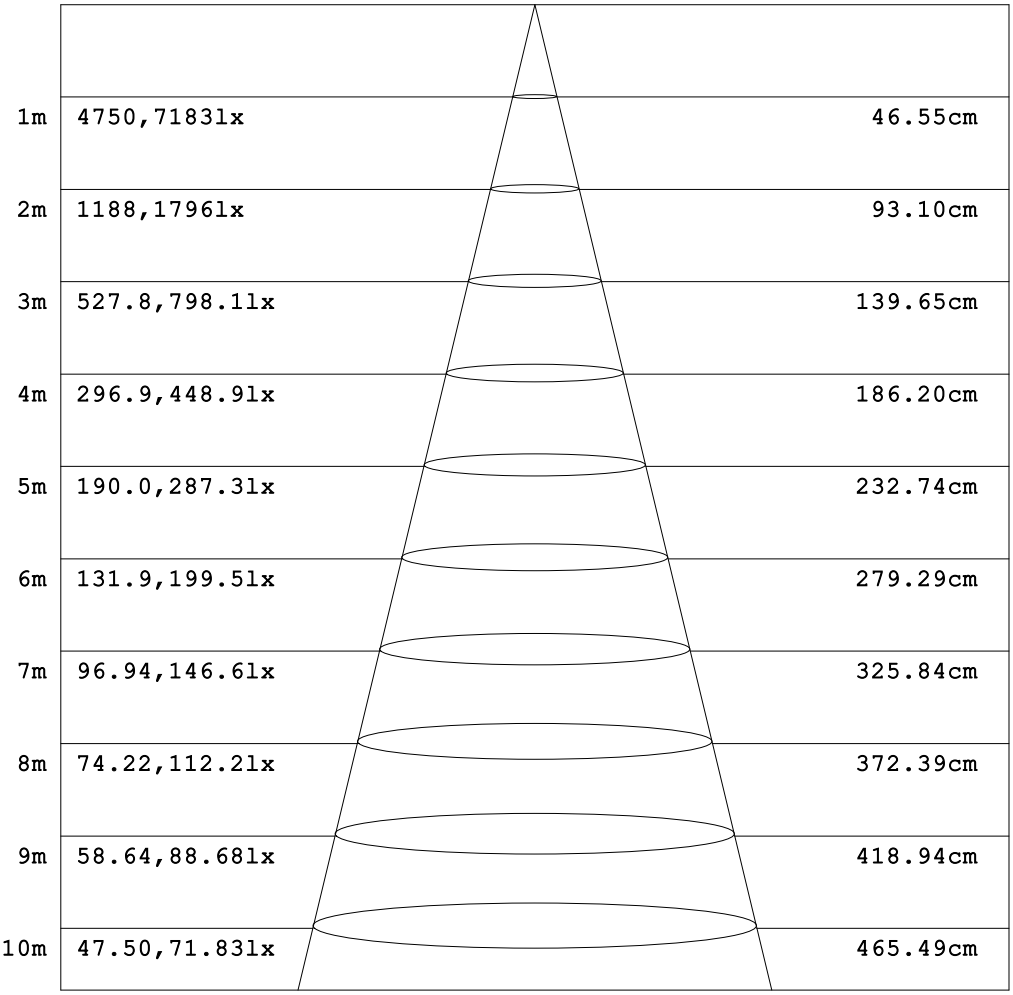
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 24D WHITE

AAI Figure

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:927.7 lm



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

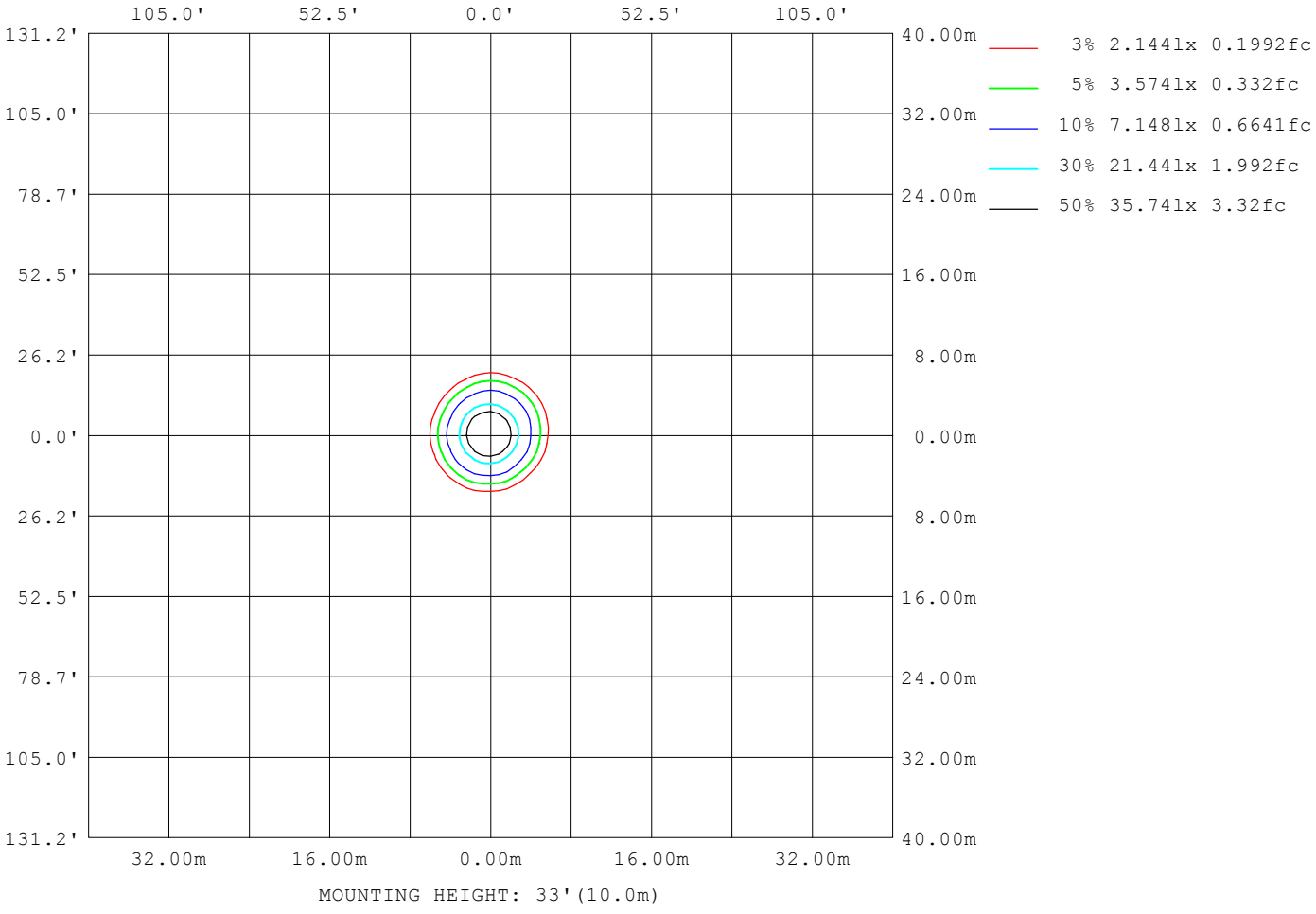
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-5700K RA90 24D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K 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:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

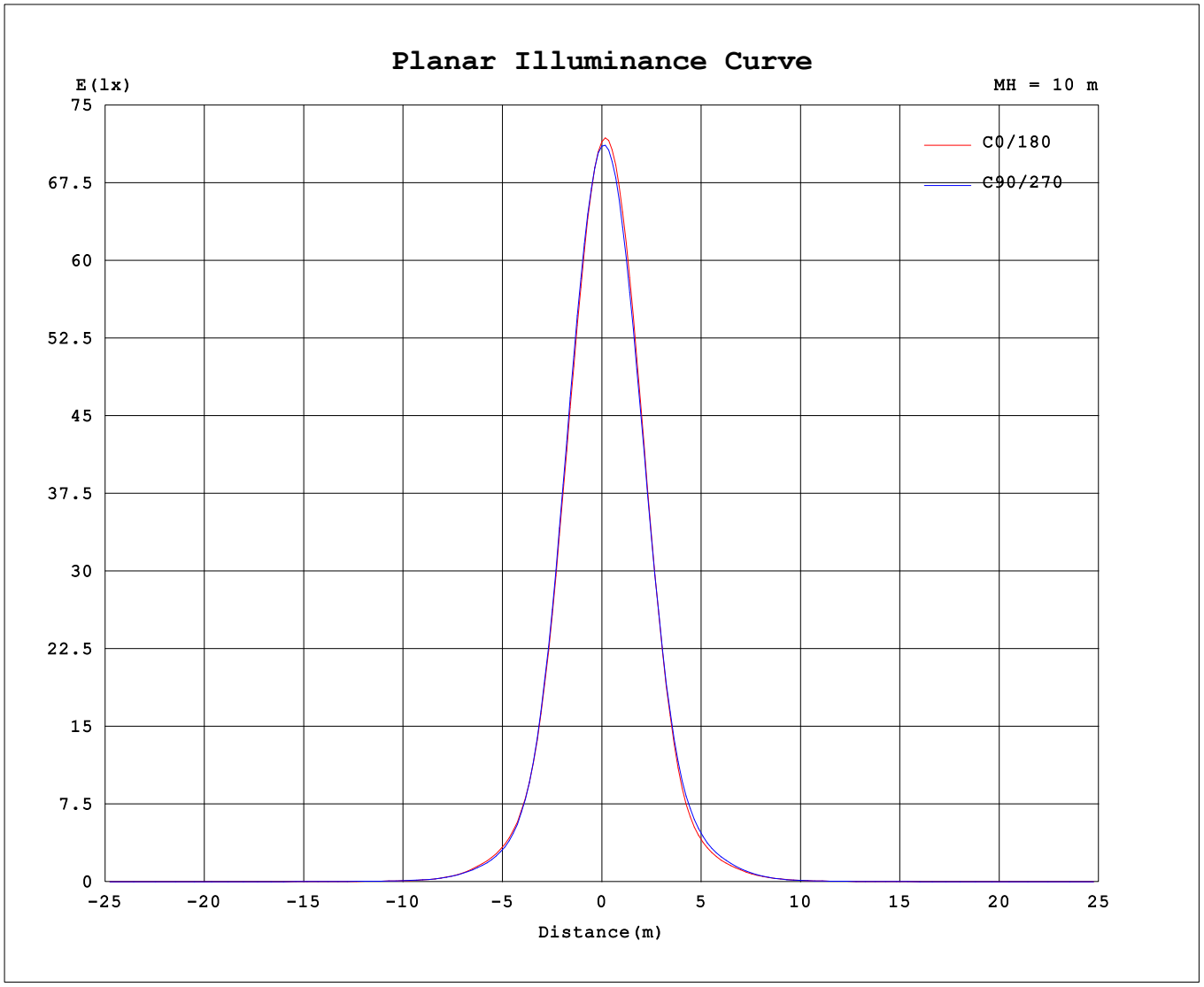
AvgL	cd/m2
L_0~180(65)av	14035
L_0~180(75)av	11783
L_0~180(85)av	8890
L_90~270(65)av	14242
L_90~270(75)av	11716
L_90~270(85)av	8565
L_45(65)av	14089
L_45(75)av	11732
L_45(85)av	8578

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-10X2501-5700K RA90 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1030A P:24.3W PF:0.9824 Freq:49.99Hz UTHDi:0.31% ITHDi:8.51% KDisp:0.9883 Lamp Flux:1863.98x1 lm		
NAME: HCP-10X2501-5700K 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	7116	7116	7116	7116	7116	7116	7116	7116
5	6132	6082	6241	6542	6764	6831	6673	6364
10	4339	4258	4456	4891	5273	5398	5192	4733
15	2462	2347	2525	2933	3278	3447	3285	2868
20	1152	1031	1158	1402	1596	1684	1664	1436
25	569	485	536	648	707	751	811	733
30	314	261	286	339	374	390	432	399
35	156	134	151	182	208	214	234	207
40	65.7	58.9	67.0	82.6	94.3	94.6	100	84.9
45	32.8	31.9	34.4	39.2	42.6	41.4	40.3	35.9
50	20.9	21.3	23.2	24.4	25.3	24.8	23.7	21.8
55	17.7	18.2	19.3	19.6	19.3	18.8	19.2	18.3
60	15.6	16.0	17.1	17.7	17.3	16.9	17.2	16.2
65	12.5	12.7	13.6	14.6	14.8	14.4	14.1	13.1
70	9.12	9.20	9.95	10.9	11.3	10.9	10.4	9.64
75	6.07	6.08	6.70	7.59	7.96	7.72	7.25	6.55
80	3.41	3.35	3.84	4.61	5.03	4.89	4.50	3.85
85	1.12	0.98	1.35	1.98	2.44	2.40	2.09	1.52
90	0.09	0.07	0.09	0.06	0.10	0.23	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-10X2501-5700K 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	7116	7116	7116	7116	7116	7116	7116	7116
3.0	6672	6646	6735	6915	7066	7105	6997	6805
6.0	5812	5750	5934	6281	6544	6621	6438	6083
9.0	4731	4648	4855	5275	5641	5747	5546	5093
12.0	3565	3462	3657	4094	4488	4643	4447	3973
15.0	2462	2347	2525	2933	3278	3447	3285	2868
18.0	1584	1457	1616	1948	2187	2318	2232	1924
21.0	987.9	871.8	983.2	1185	1344	1423	1429	1244
24.0	646.8	554.8	616.1	745.0	819.0	885.8	927.8	834.1
27.0	444.9	373.8	411.1	495.0	539.1	569.3	620.5	568.4
30.0	314.0	261.3	286.5	339.3	373.8	389.8	431.5	399.2
33.0	213.4	181.9	199.3	241.4	265.5	275.0	304.4	278.2
36.0	132.1	113.9	128.1	157.8	179.1	184.4	201.2	175.2
39.0	78.91	69.03	79.41	97.22	111.4	111.3	120.5	101.2
42.0	46.99	44.26	48.75	59.50	67.23	65.40	67.83	56.27
45.0	32.78	31.89	34.44	39.18	42.63	41.42	40.32	35.92
48.0	23.75	23.82	26.14	29.23	30.87	30.35	29.36	25.81
51.0	20.01	20.42	22.26	23.13	23.30	22.72	22.13	20.77
54.0	18.13	18.56	19.84	20.10	19.80	19.54	19.69	18.75
57.0	16.98	17.39	18.42	18.86	18.38	17.97	18.27	17.56
60.0	15.62	16.01	17.09	17.68	17.30	16.87	17.16	16.24
63.0	13.91	14.16	15.23	16.09	15.90	15.46	15.43	14.57
66.0	11.80	11.98	12.82	13.86	14.09	13.66	13.25	12.35
69.0	9.777	9.874	10.63	11.66	11.95	11.56	11.07	10.30
72.0	7.849	7.900	8.609	9.553	9.898	9.588	9.082	8.356
75.0	6.069	6.076	6.700	7.593	7.959	7.716	7.249	6.552
78.0	4.429	4.394	4.944	5.760	6.162	5.982	5.552	4.884
81.0	2.923	2.849	3.316	4.050	4.490	4.359	3.989	3.357
84.0	1.551	1.431	1.824	2.472	2.933	2.866	2.544	1.958
87.0	0.2878	0.1294	0.4196	1.006	1.481	1.487	1.220	0.6812
90.0	0.0873	0.0674	0.0901	0.0629	0.1049	0.2259	0.0708	0.0623

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