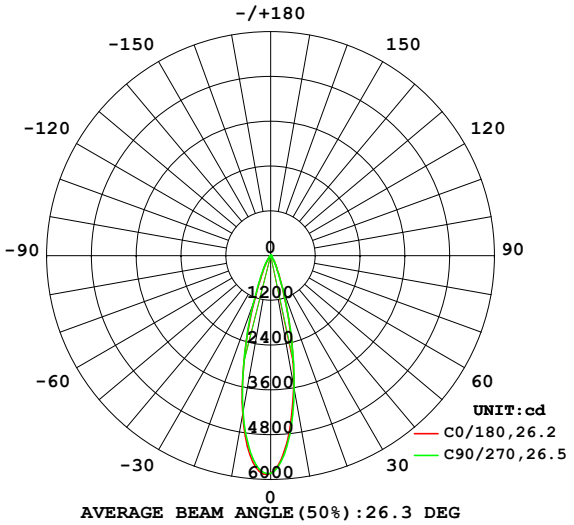
Photometric Filename: HCP-10X2501-5700K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 lm		
NAME: HCP-10X2501-5700K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

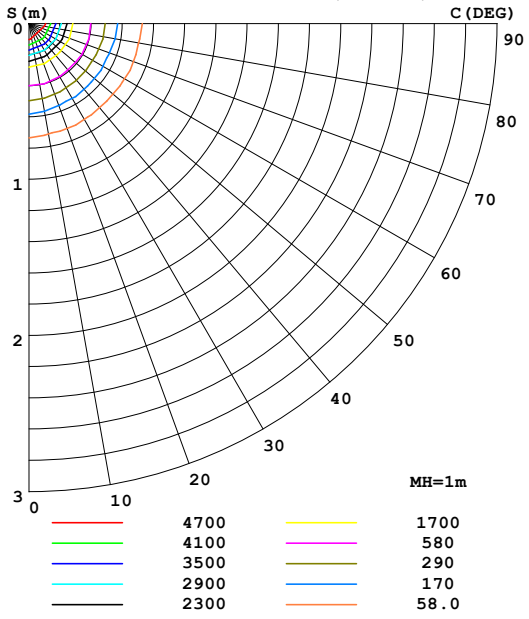
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 83.57 lm/W	
MODEL		Imax(cd)	5876	S/MH(C0/180)	0.47
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1524.8	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1524.84	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.26	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	3560	3483	3643	3997	4315	4426	4256	3877	0- 10	461.0	461.0	30.2,30.2
20	959.3	842.2	956.2	1142	1301	1375	1362	1175	10- 20	644.8	1106	72.5,72.5
30	256.8	214.8	233.7	276.5	304.4	318.2	352.7	326.4	20- 30	262.7	1369	89.7,89.7
40	53.77	48.15	54.55	67.30	76.58	76.36	82.09	68.68	30- 40	97.38	1466	96.1,96.1
50	17.11	17.43	18.94	20.45	20.61	20.22	19.83	17.80	40- 50	26.14	1492	97.9,97.9
60	12.77	13.07	13.99	14.44	14.13	13.78	14.02	13.29	50- 60	14.04	1506	98.8,98.8
70	7.461	7.514	8.146	8.936	9.179	8.914	8.502	7.891	60- 70	11.02	1517	99.5,99.5
80	2.792	2.731	3.137	3.757	4.101	3.991	3.679	3.157	70- 80	6.079	1523	99.9,99.9
90	0.0728	0.0514	0.0720	0.0483	0.0824	0.1836	0.0550	0.0499	80- 90	1.636	1525	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): 1482.4 lm

%lum = 97.2%
%lamp = 97.2%

Conical surface Flux(120deg): 1506.1 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:

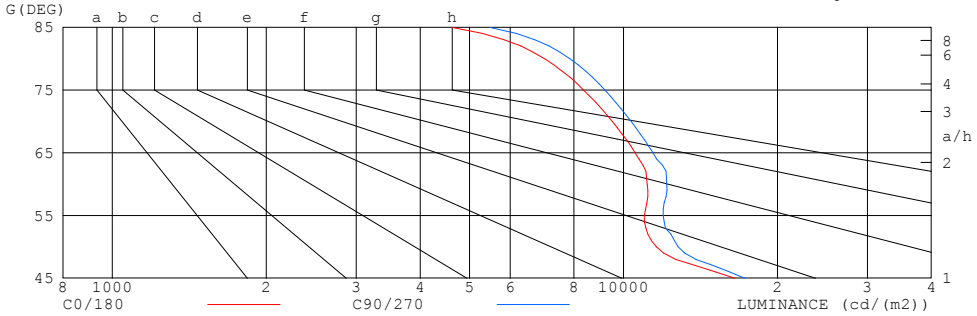
Photometric Filename: HCP-10X2501-5700K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz **UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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	4612	5461
80	7003	7848
75	8354	9192
70	9501	10346
65	10538	11410
60	11121	12154
55	10985	11955
50	11594	12801
45	16524	17282

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:

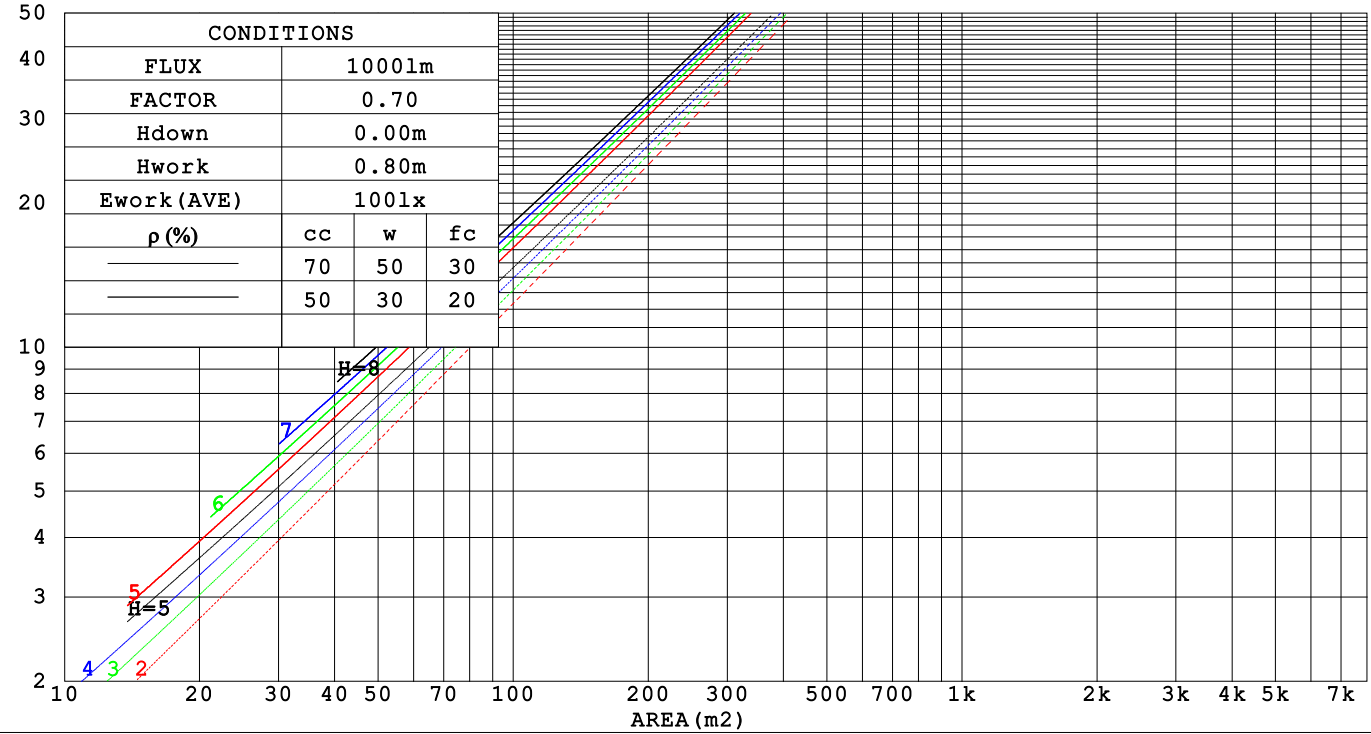
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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:

WEC AND CCEC

Test:U:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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	.068	.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	.097	.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	.049	.015	.090	.048	.014	
7.0	.103	.051	.014	.101	.050	.014	.096	.048	.014	.091	.047	.014	.087	.045	.013	
8.0	.098	.048	.013	.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	.137	.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:

UGR(Unified Glare Rating) Table

Test:U:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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	14.6	15.4	14.9	15.5	15.7	14.6	15.3	14.8	15.5	15.6
3H	15.2	15.9	15.5	16.1	16.3	15.3	15.9	15.5	16.1	16.3
4H	15.5	16.1	15.7	16.3	16.5	15.6	16.2	15.8	16.4	16.6
6H	15.6	16.2	15.9	16.4	16.7	15.8	16.4	16.0	16.6	16.8
8H	15.6	16.2	15.9	16.5	16.7	15.8	16.4	16.1	16.6	16.9
12H	15.6	16.2	16.0	16.5	16.7	15.8	16.4	16.1	16.6	16.9
4H 2H	14.8	15.5	15.1	15.7	15.9	14.8	15.4	15.0	15.6	15.8
3H	15.6	16.1	15.9	16.4	16.6	15.6	16.2	15.9	16.4	16.7
4H	15.9	16.4	16.2	16.7	17.0	16.0	16.5	16.3	16.8	17.1
6H	16.1	16.6	16.5	16.9	17.3	16.3	16.7	16.7	17.1	17.4
8H	16.2	16.6	16.6	17.0	17.3	16.4	16.8	16.8	17.1	17.5
12H	16.2	16.6	16.6	17.0	17.3	16.4	16.8	16.8	17.1	17.5
8H 4H	16.0	16.4	16.4	16.7	17.1	16.1	16.5	16.5	16.8	17.2
6H	16.3	16.6	16.7	17.0	17.4	16.4	16.8	16.9	17.2	17.6
8H	16.4	16.7	16.8	17.1	17.5	16.6	16.9	17.0	17.3	17.7
12H	16.4	16.7	16.9	17.1	17.6	16.6	16.9	17.1	17.3	17.8
12H 4H	15.9	16.3	16.4	16.7	17.1	16.0	16.4	16.5	16.8	17.2
6H	16.3	16.6	16.7	17.0	17.4	16.4	16.7	16.9	17.2	17.6
8H	16.4	16.7	16.9	17.1	17.6	16.6	16.8	17.0	17.3	17.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.4 / - 1.1					+ 1.3 / - 1.0				
1.5H	+ 2.9 / - 1.0					+ 2.6 / - 0.8				
2.0H	+ 0.6 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117, 1525 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.5)
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:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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	

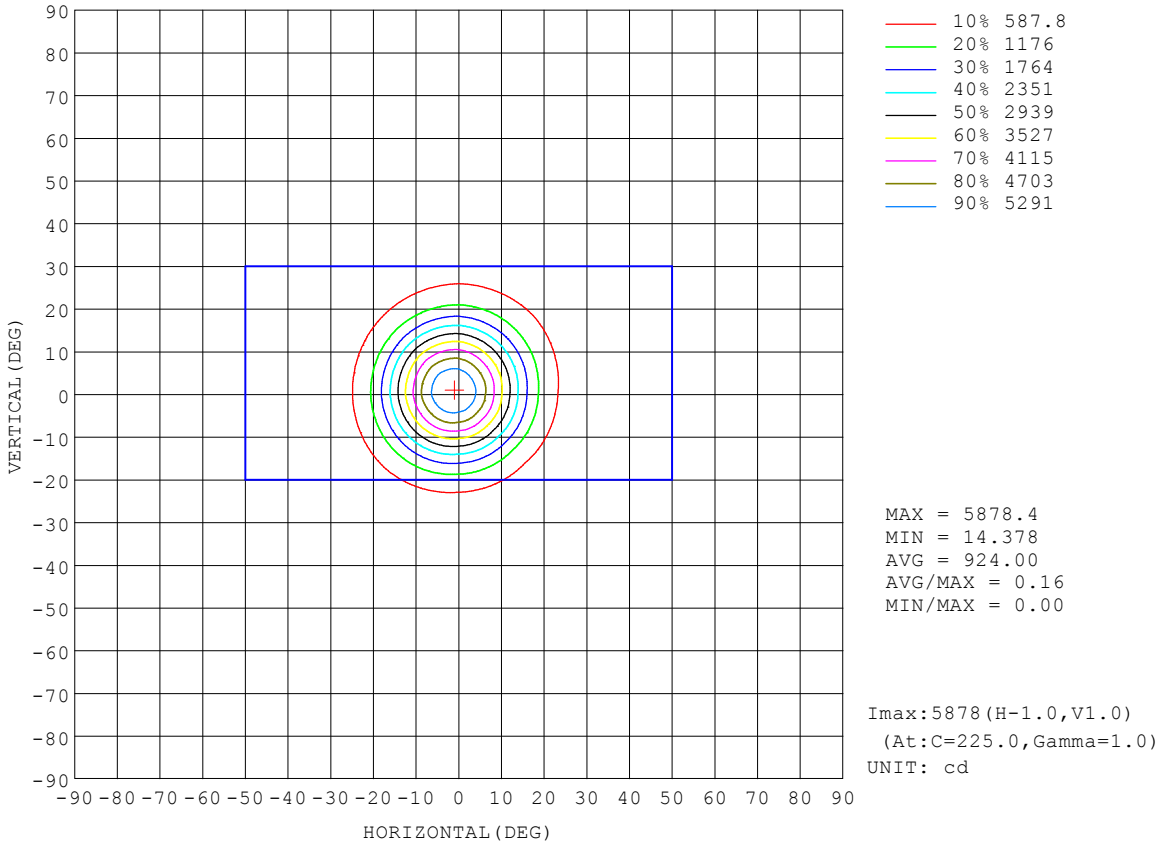
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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
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Test Date:2023-11-21

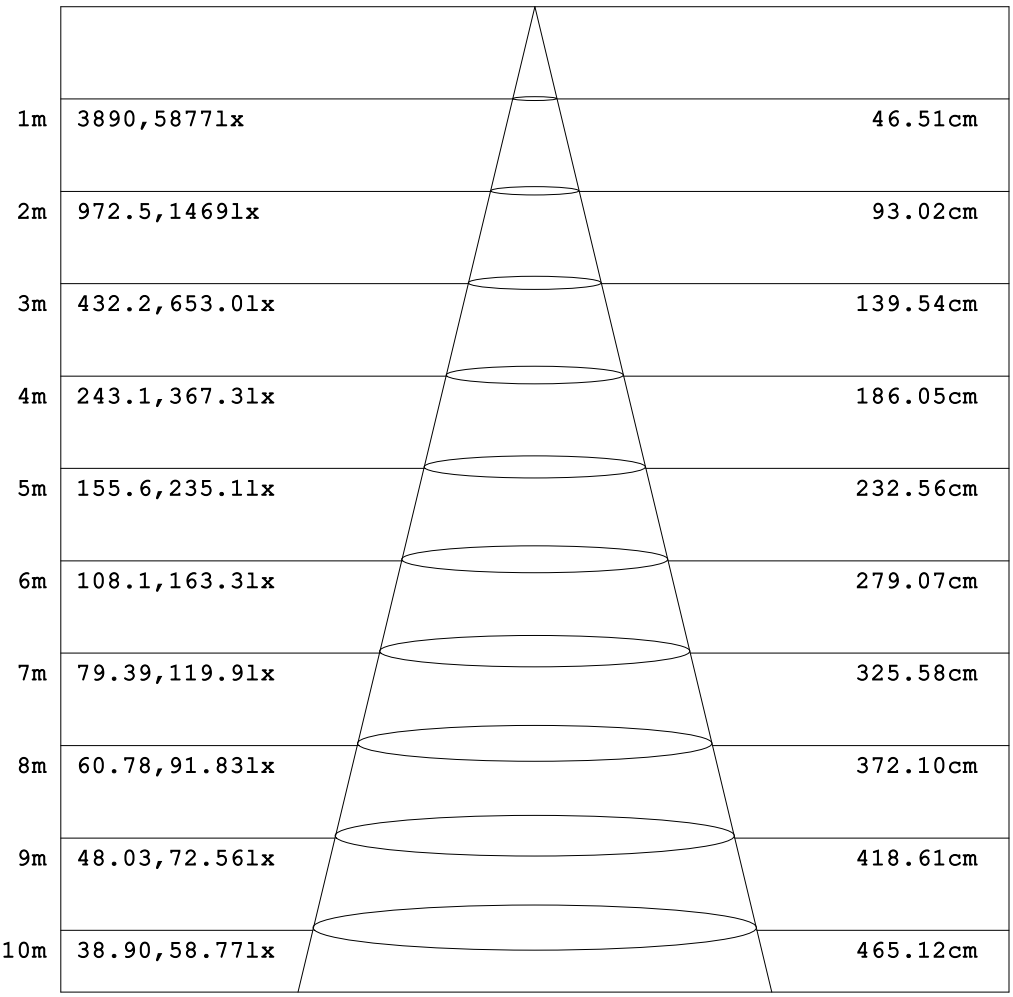
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

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

AAI Figure

Test:U:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 lm		
NAME: HCP-10X2501-5700K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:759.7 lm



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

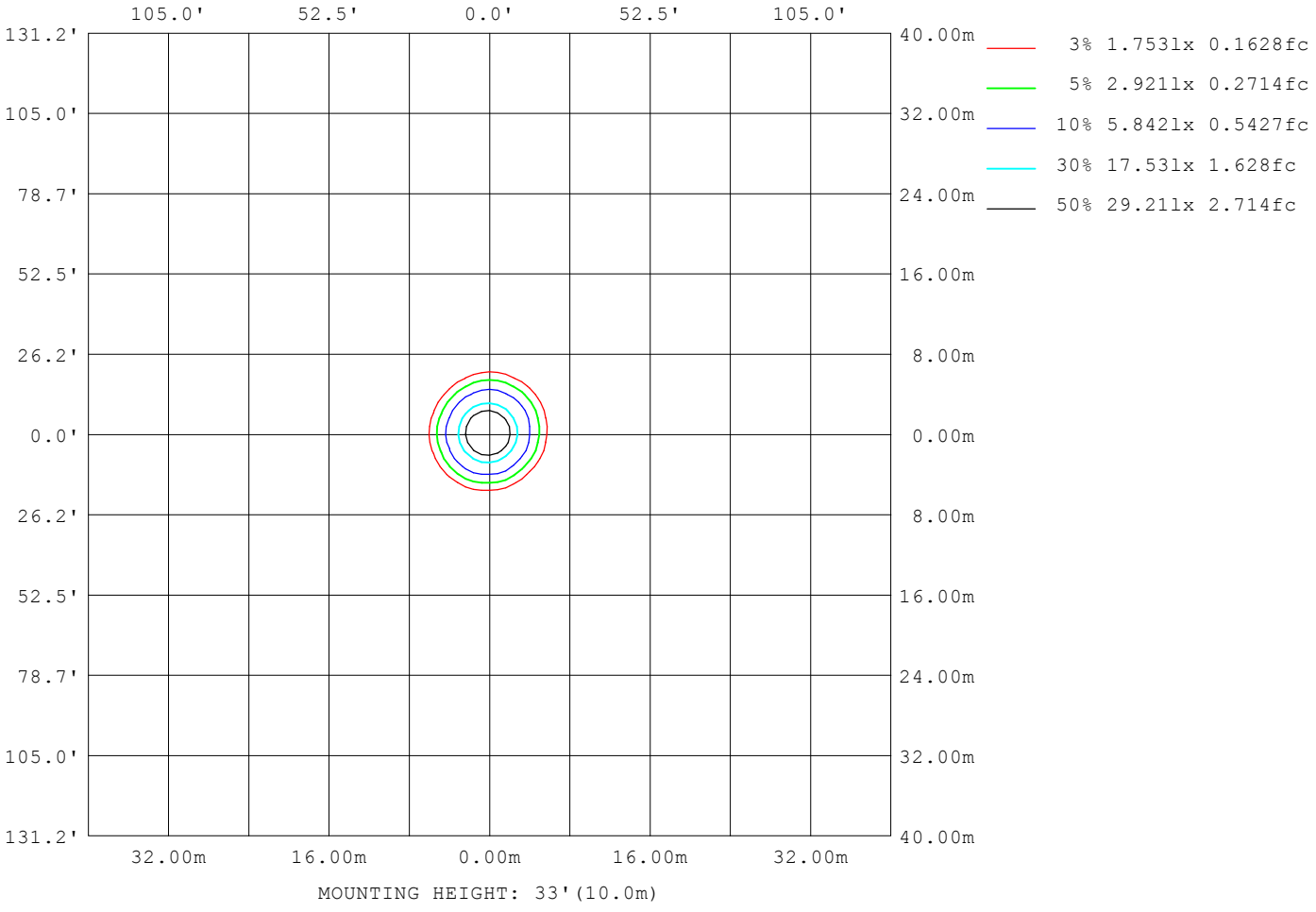
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz **UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 lm		
NAME: HCP-10X2501-5700K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

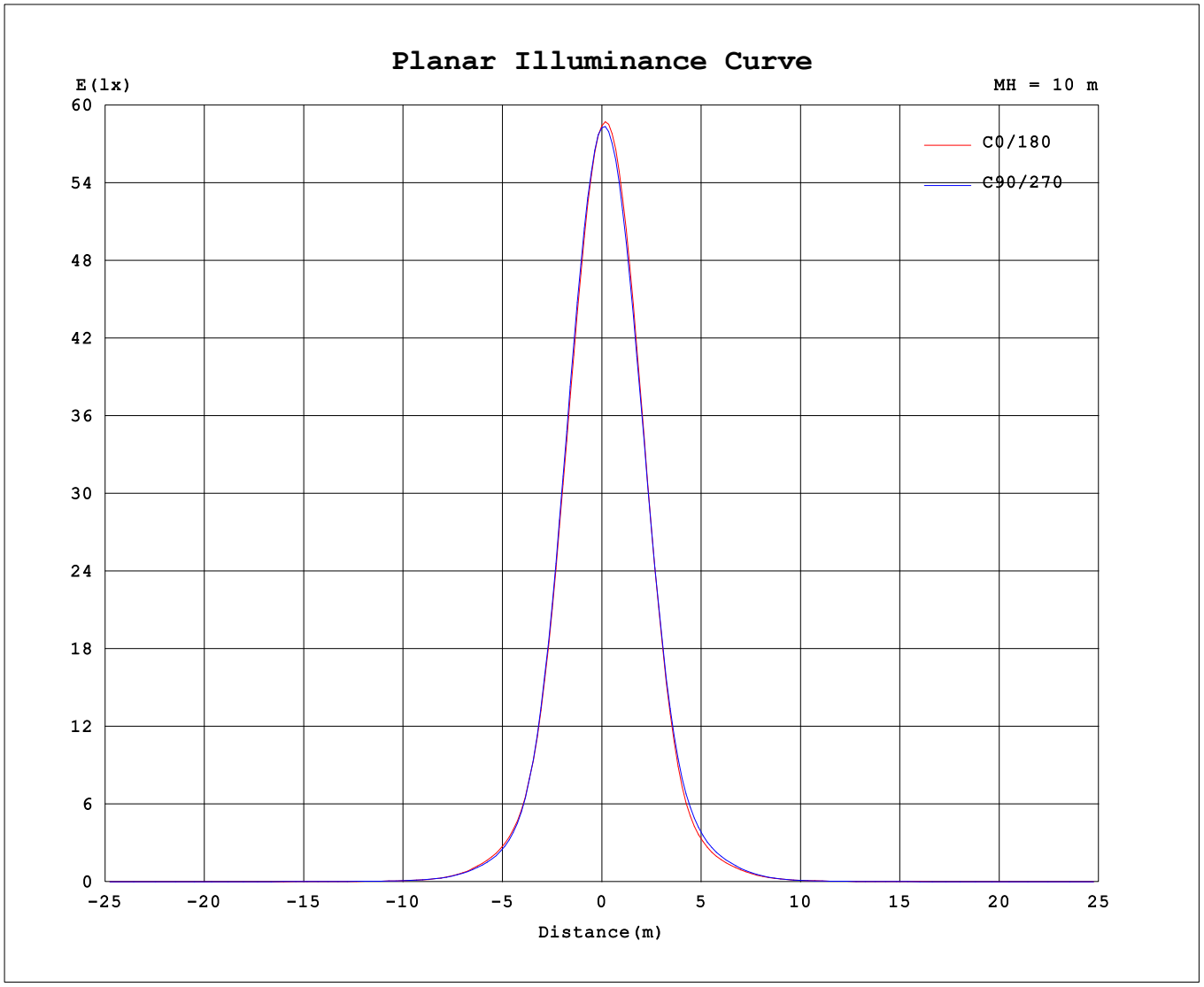
AvgL	cd/m2
L_0~180(65)av	11471
L_0~180(75)av	9619
L_0~180(85)av	7261
L_90~270(65)av	11650
L_90~270(75)av	9580
L_90~270(85)av	6999
L_45(65)av	11521
L_45(75)av	9587
L_45(85)av	7003

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:240.4V I:0.0782A P:18.2W PF:0.9706 Freq:49.99Hz UTHDi:0.26% ITHDi:11.31% KDisp:0.9808 Lamp Flux:1524.84x1 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

C(DEG) / γ (DEG)	0	45	90	135	180	225	270	315
0	5831	5831	5831	5831	5831	5831	5831	5831
5	5030	4983	5112	5353	5543	5599	5470	5215
10	3560	3483	3643	3997	4315	4426	4256	3877
15	2018	1932	2061	2395	2679	2821	2692	2349
20	959	842	956	1142	1301	1375	1362	1175
25	465	396	437	528	576	613	663	600
30	257	215	234	277	304	318	353	326
35	127	109	123	149	171	175	191	169
40	53.8	48.2	54.6	67.3	76.6	76.4	82.1	68.7
45	26.8	26.1	28.1	32.0	34.7	33.8	32.9	29.4
50	17.1	17.4	18.9	20.4	20.6	20.2	19.8	17.8
55	14.5	14.8	15.8	16.0	15.6	15.4	15.7	15.0
60	12.8	13.1	14.0	14.4	14.1	13.8	14.0	13.3
65	10.2	10.4	11.1	11.9	12.1	11.8	11.5	10.7
70	7.46	7.51	8.15	8.94	9.18	8.91	8.50	7.89
75	4.96	4.96	5.48	6.20	6.49	6.30	5.93	5.37
80	2.79	2.73	3.14	3.76	4.10	3.99	3.68	3.16
85	0.92	0.80	1.10	1.61	1.99	1.96	1.71	1.25
90	0.07	0.05	0.07	0.05	0.08	0.18	0.05	0.05

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	5831	5831	5831	5831	5831	5831	5831	5831
3.0	5471	5446	5515	5662	5793	5824	5735	5575
6.0	4767	4711	4858	5139	5360	5427	5279	4984
9.0	3877	3807	3974	4314	4621	4711	4548	4174
12.0	2921	2833	2987	3347	3670	3801	3645	3256
15.0	2018	1932	2061	2395	2679	2821	2692	2349
18.0	1297	1189	1318	1579	1790	1892	1831	1575
21.0	806.5	711.0	799.8	966.1	1096	1162	1169	1019
24.0	528.6	452.9	502.2	606.6	666.6	711.9	758.3	682.3
27.0	363.6	305.1	335.2	403.0	438.9	464.8	507.7	465.6
30.0	256.8	214.8	233.7	276.5	304.4	318.2	352.7	326.4
33.0	174.3	148.5	162.4	197.2	218.4	224.4	249.1	227.5
36.0	108.0	92.85	104.4	128.5	145.7	150.4	164.3	143.4
39.0	64.61	56.37	64.65	79.19	90.53	92.29	98.63	84.51
42.0	38.43	36.15	39.75	48.56	54.61	53.41	55.44	46.09
45.0	26.82	26.06	28.13	31.97	34.65	33.81	32.95	29.40
48.0	19.43	19.83	21.34	23.87	25.14	24.77	24.00	21.17
51.0	16.37	16.69	18.22	19.26	19.25	18.54	18.09	16.99
54.0	14.82	15.16	16.24	16.43	16.15	15.97	16.09	15.37
57.0	13.89	14.20	15.05	15.41	15.01	14.68	14.94	14.37
60.0	12.77	13.07	13.99	14.44	14.13	13.78	14.02	13.29
63.0	11.37	11.56	12.46	13.14	12.97	12.64	12.62	11.91
66.0	9.670	9.788	10.49	11.32	11.49	11.16	10.84	10.13
69.0	7.991	8.060	8.716	9.515	9.747	9.469	9.059	8.437
72.0	6.423	6.454	7.035	7.800	8.068	7.839	7.429	6.847
75.0	4.964	4.962	5.477	6.197	6.488	6.304	5.929	5.366
78.0	3.618	3.587	4.037	4.700	5.020	4.889	4.545	4.004
81.0	2.392	2.325	2.705	3.305	3.655	3.565	3.261	2.752
84.0	1.271	1.170	1.484	2.016	2.388	2.343	2.082	1.609
87.0	0.2357	0.1050	0.3339	0.8157	1.202	1.216	0.9992	0.5598
90.0	0.0728	0.0514	0.0720	0.0483	0.0824	0.1836	0.0550	0.0499

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