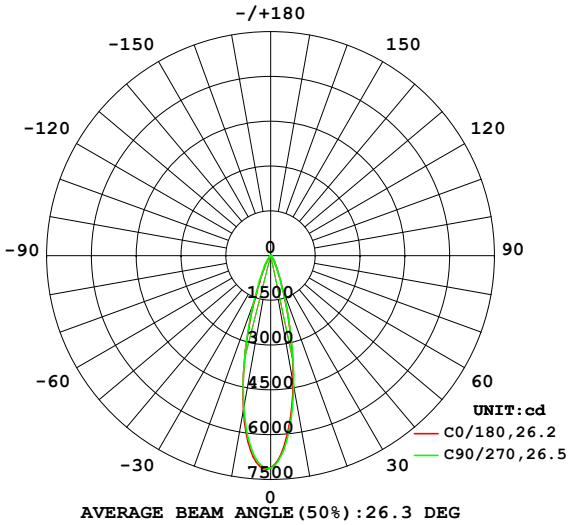
Photometric Filename: HCP-10X2501-5000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

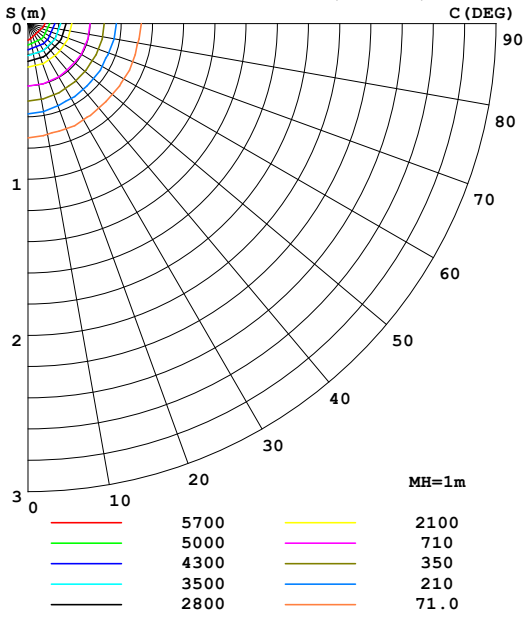
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 76.46 lm/W	
MODEL		Imax(cd)	7157	S/MH(C0/180)	0.47
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.48
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1862.7	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1862.72	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	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%):26.3 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	4340	4253	4451	4882	5266	5394	5188	4724	0- 10	562.2	562.2	30.2,30.2
20	1154	1046	1157	1385	1594	1701	1661	1421	10- 20	787.4	1350	72.5,72.5
30	314.0	266.7	285.5	333.4	373.9	399.0	430.1	392.6	20- 30	321.7	1671	89.7,89.7
40	65.86	59.80	66.91	81.54	94.49	94.82	100.1	83.53	30- 40	119.2	1791	96.1,96.1
50	20.98	21.35	23.20	24.39	25.33	24.88	23.76	21.73	40- 50	32.05	1823	97.8,97.8
60	15.63	16.04	17.11	17.66	17.32	16.90	17.15	16.21	50- 60	17.18	1840	98.8,98.8
70	9.125	9.223	9.949	10.92	11.27	10.90	10.40	9.613	60- 70	13.49	1853	99.5,99.5
80	3.412	3.355	3.849	4.600	5.042	4.895	4.500	3.839	70- 80	7.440	1861	99.9,99.9
90	0.0895	0.0703	0.0892	0.0584	0.1071	0.2229	0.0708	0.0610	80- 90	2.005	1863	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): 1810.8 lm

%lum = 97.2%
%lamp = 97.2%

Conical surface Flux(120deg): 1839.8 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:

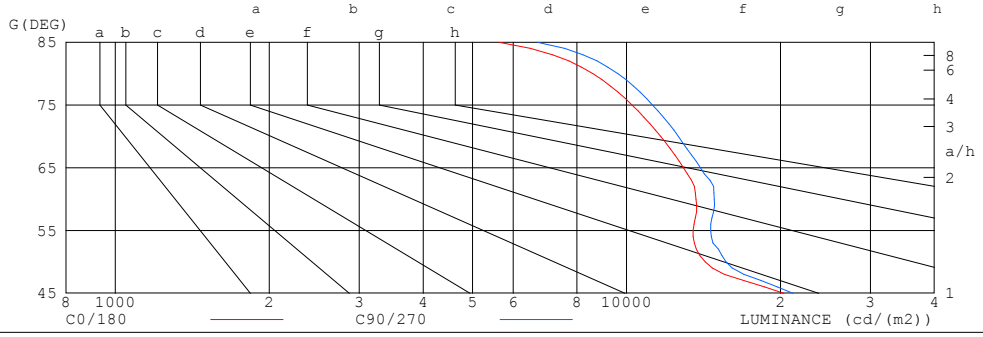
Photometric Filename: HCP-10X2501-5000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz **UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm**		
NAME: HCP-10X2501-5000K 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	5629	6700
80	8588	9616
75	10246	11244
70	11662	12621
65	12929	13948
60	13667	14850
55	13493	14609
50	14265	15657
45	20310	21152

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-10X2501-5000K RA90 24D WHITE

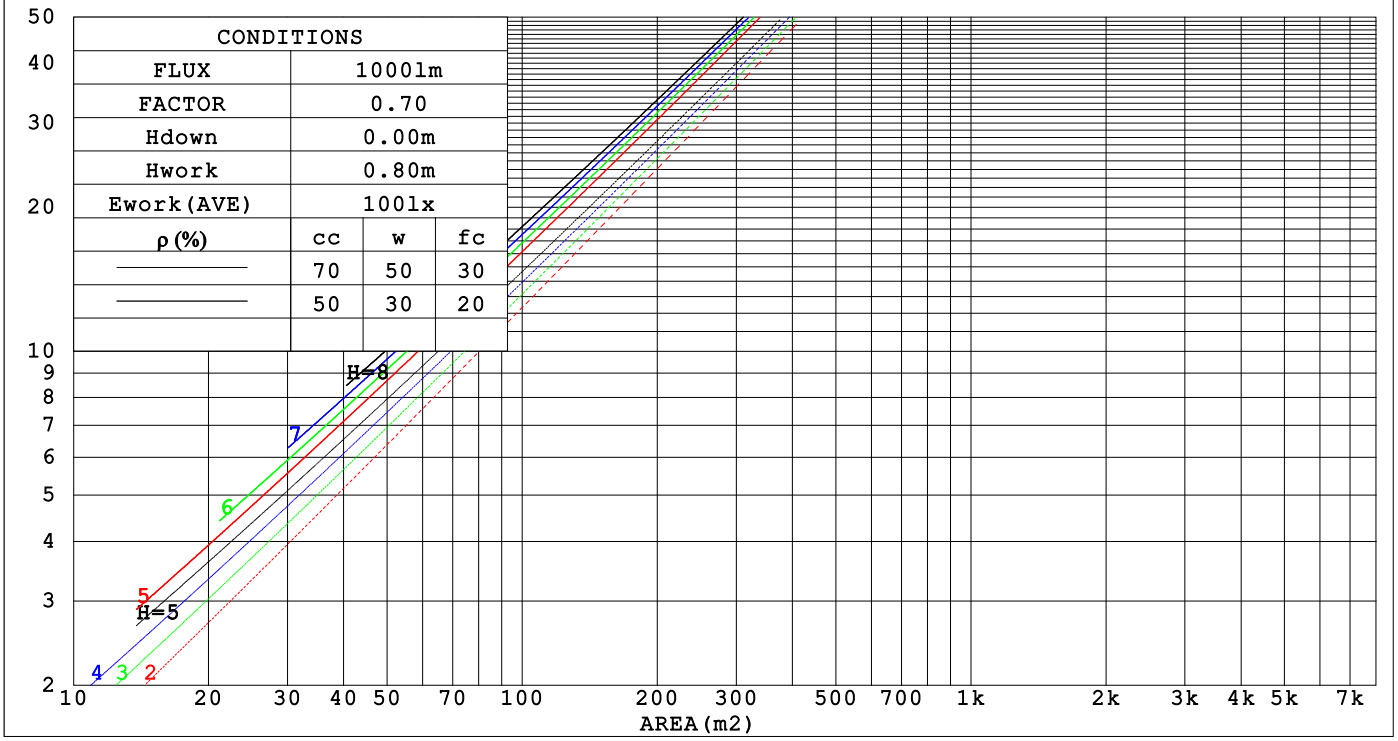
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K 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	.90	.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	.74	.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-10X2501-5000K RA90 24D WHITE

WEC AND CCEC

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K 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	.043	.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-10X2501-5000K RA90 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K 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	16.3	16.4	15.3	16.0	15.5	16.2	16.4
3H	16.0	16.6	16.2	16.8	17.0	16.0	16.7	16.2	16.9	17.0
4H	16.2	16.8	16.5	17.1	17.3	16.3	16.9	16.5	17.1	17.3
6H	16.4	17.0	16.6	17.2	17.4	16.5	17.1	16.8	17.3	17.5
8H	16.4	17.0	16.7	17.2	17.5	16.5	17.1	16.8	17.3	17.6
12H	16.4	16.9	16.7	17.2	17.5	16.5	17.1	16.8	17.4	17.6
4H 2H	15.6	16.2	15.8	16.4	16.6	15.5	16.1	15.8	16.4	16.6
3H	16.3	16.9	16.6	17.1	17.4	16.3	16.9	16.7	17.2	17.4
4H	16.6	17.1	17.0	17.4	17.7	16.7	17.2	17.1	17.5	17.8
6H	16.9	17.3	17.2	17.7	18.0	17.0	17.5	17.4	17.8	18.1
8H	16.9	17.4	17.3	17.7	18.1	17.1	17.5	17.5	17.9	18.2
12H	16.9	17.3	17.3	17.7	18.1	17.1	17.5	17.5	17.9	18.3
8H 4H	16.7	17.1	17.1	17.5	17.8	16.8	17.2	17.2	17.6	17.9
6H	17.0	17.4	17.4	17.8	18.2	17.2	17.5	17.6	17.9	18.3
8H	17.1	17.4	17.6	17.8	18.3	17.3	17.6	17.7	18.0	18.4
12H	17.2	17.4	17.6	17.9	18.3	17.3	17.6	17.8	18.0	18.5
12H 4H	16.7	17.1	17.1	17.4	17.8	16.8	17.2	17.2	17.5	17.9
6H	17.0	17.3	17.5	17.7	18.2	17.1	17.5	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	18.5
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, 1863 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-10X2501-5000K RA90 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K 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	

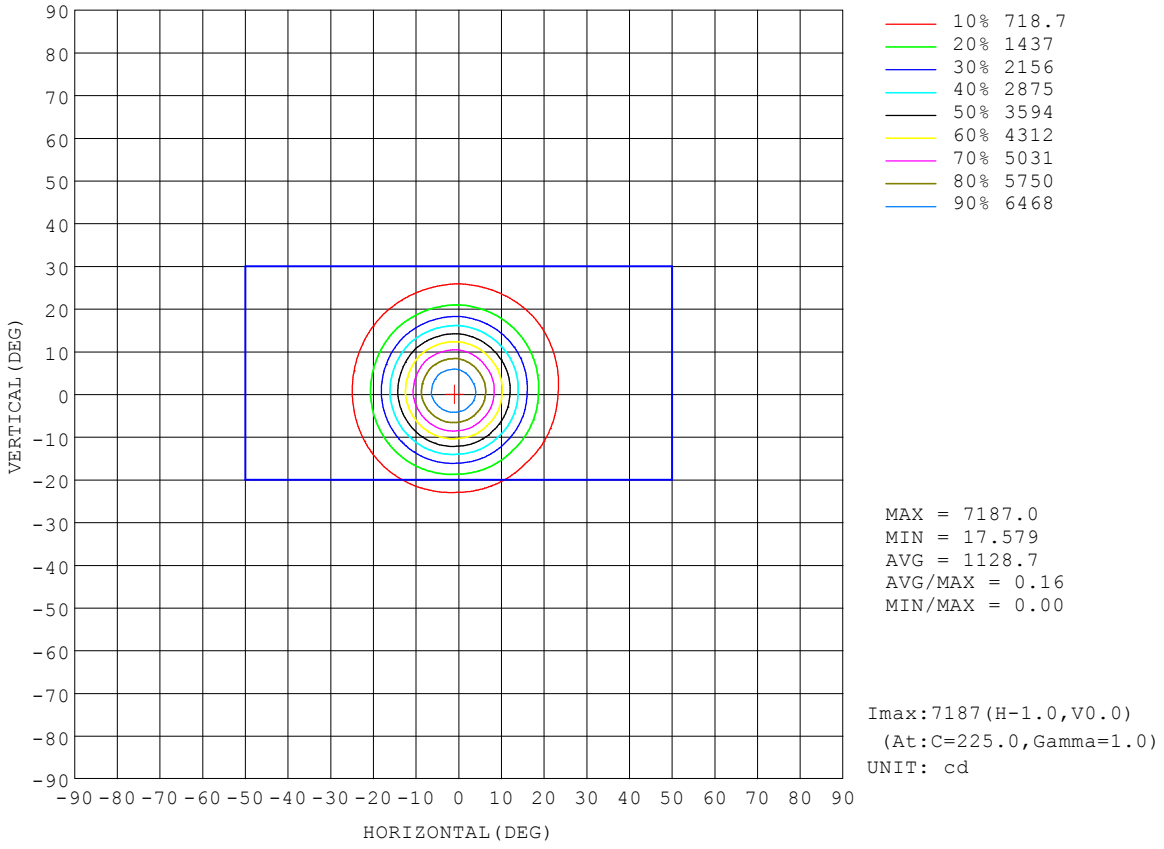
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-5000K RA90 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:



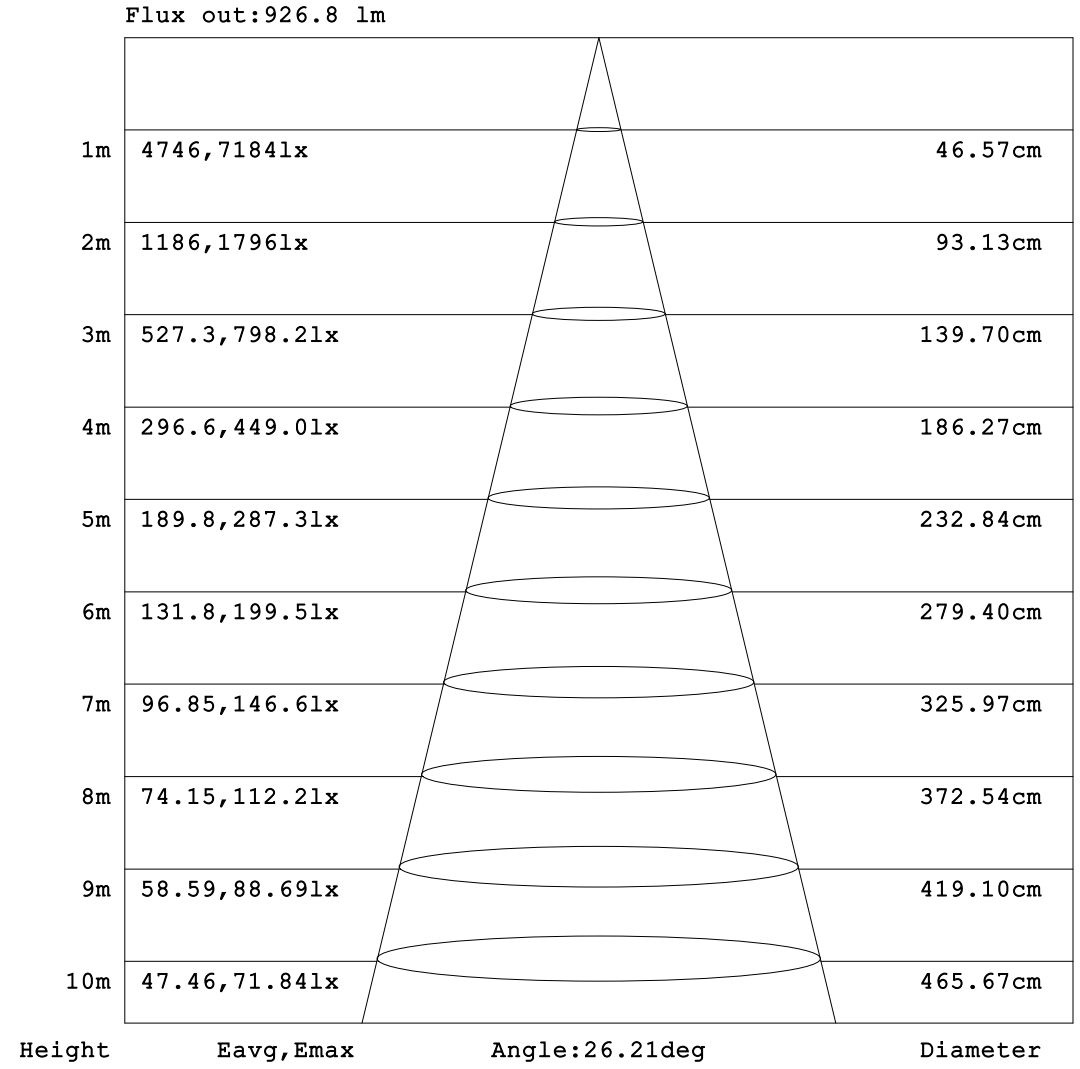
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-5000K RA90 24D WHITE

AAI Figure

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K RA90 24D 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.

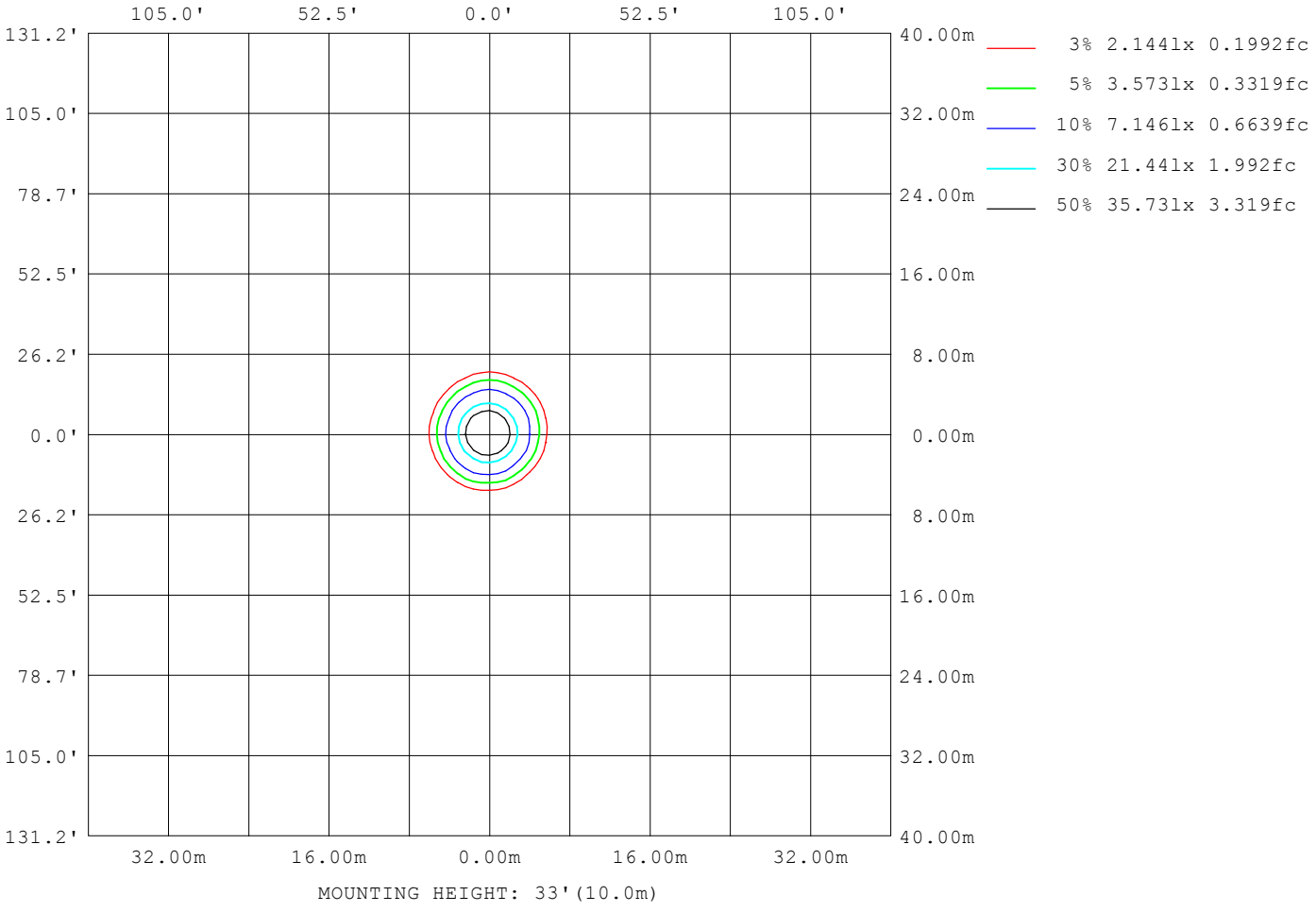
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-5000K RA90 24D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K 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:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

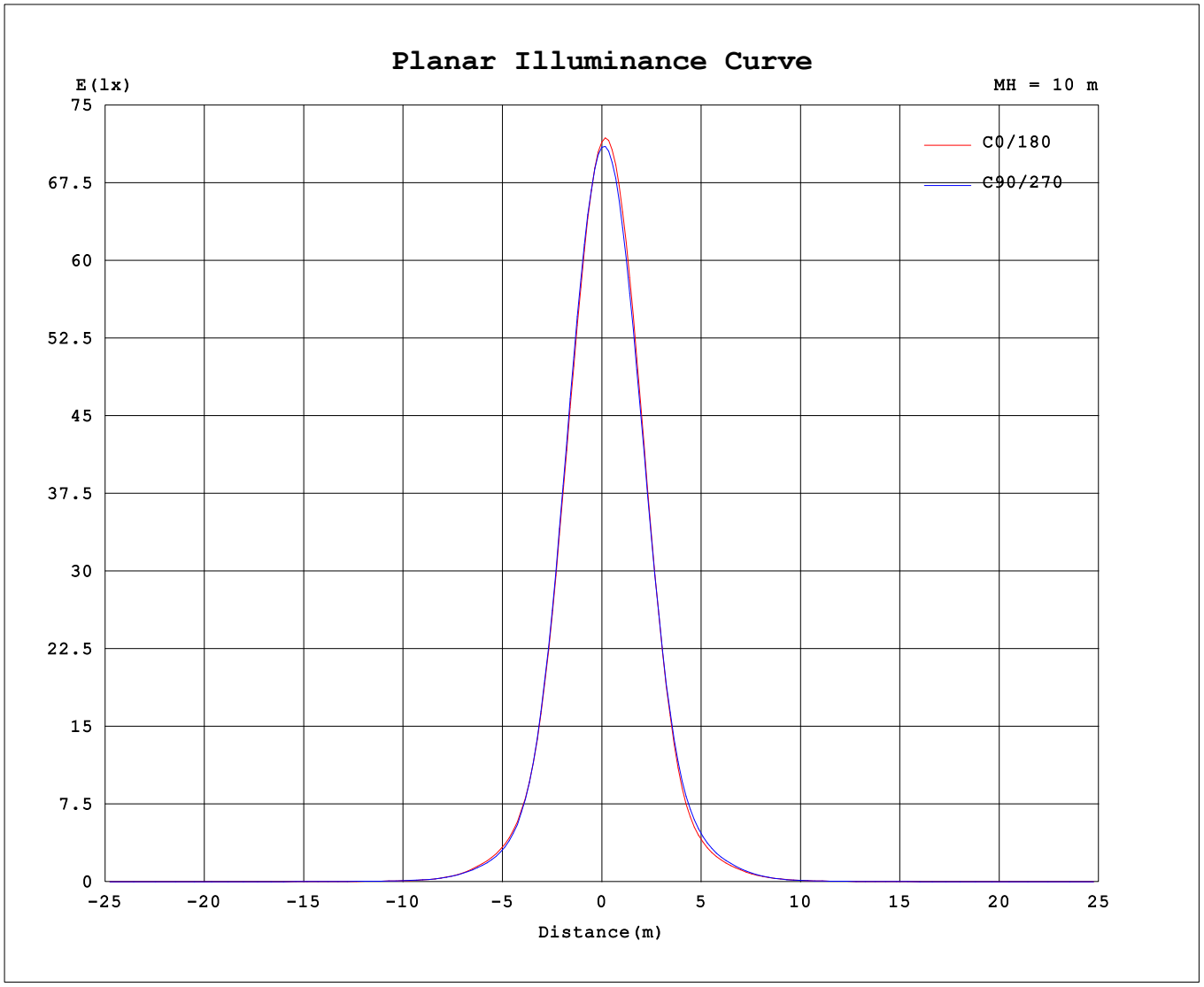
AvgL	cd/m2
L_0~180(65)av	14050
L_0~180(75)av	11789
L_0~180(85)av	8901
L_90~270(65)av	14253
L_90~270(75)av	11719
L_90~270(85)av	8559
L_45(65)av	14086
L_45(75)av	11729
L_45(85)av	8577

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-10X2501-5000K RA90 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1033A P:24.4W PF:0.9819 Freq:49.99Hz UTHDi:0.20% ITHDi:8.27% KDisp:0.9878 Lamp Flux:1862.72x1 lm		
NAME: HCP-10X2501-5000K 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	7108	7108	7108	7108	7108	7108	7108	7108
5	6130	6079	6237	6534	6761	6822	6668	6357
10	4340	4253	4451	4882	5266	5394	5188	4724
15	2466	2359	2522	2918	3276	3451	3283	2854
20	1154	1046	1157	1385	1594	1701	1661	1421
25	568	495	535	637	706	768	808	722
30	314	267	286	333	374	399	430	393
35	156	137	151	180	209	219	234	203
40	65.9	59.8	66.9	81.5	94.5	94.8	100	83.5
45	32.9	32.1	34.5	39.0	42.7	41.9	40.3	35.7
50	21.0	21.3	23.2	24.4	25.3	24.9	23.8	21.7
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	13.0
70	9.12	9.22	9.95	10.9	11.3	10.9	10.4	9.61
75	6.07	6.09	6.71	7.57	7.97	7.73	7.24	6.53
80	3.41	3.36	3.85	4.60	5.04	4.89	4.50	3.84
85	1.12	0.99	1.35	1.97	2.45	2.40	2.09	1.52
90	0.09	0.07	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-10X2501-5000K 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	7108	7108	7108	7108	7108	7108	7108	7108
3.0	6667	6635	6725	6906	7062	7097	6993	6800
6.0	5809	5745	5931	6270	6541	6611	6435	6080
9.0	4729	4642	4851	5264	5638	5741	5544	5086
12.0	3565	3463	3651	4089	4483	4644	4443	3968
15.0	2466	2359	2522	2918	3276	3451	3283	2854
18.0	1586	1473	1613	1930	2186	2329	2228	1909
21.0	988.1	884.7	981.4	1169	1343	1442	1426	1230
24.0	646.8	566.0	615.2	732.7	818.5	902.9	924.1	821.1
27.0	444.6	381.9	410.1	485.9	538.9	582.5	618.6	559.0
30.0	314.0	266.7	285.5	333.4	373.9	399.0	430.1	392.6
33.0	213.6	185.3	198.6	237.6	265.6	281.1	303.3	273.4
36.0	132.4	116.1	127.8	155.3	179.3	188.6	200.5	172.1
39.0	79.06	70.20	79.20	95.86	111.6	113.7	120.1	99.59
42.0	47.09	44.71	48.72	59.01	67.42	66.66	67.70	55.65
45.0	32.85	32.07	34.47	39.02	42.73	41.91	40.32	35.71
48.0	23.79	23.87	26.17	29.16	30.94	30.55	29.36	25.72
51.0	20.03	20.46	22.28	23.12	23.33	22.78	22.13	20.73
54.0	18.14	18.59	19.86	20.08	19.82	19.60	19.70	18.75
57.0	17.00	17.42	18.44	18.84	18.40	18.00	18.27	17.54
60.0	15.63	16.04	17.11	17.66	17.32	16.90	17.15	16.21
63.0	13.92	14.19	15.25	16.07	15.91	15.48	15.43	14.54
66.0	11.80	12.01	12.84	13.84	14.10	13.68	13.25	12.33
69.0	9.779	9.896	10.63	11.63	11.96	11.57	11.07	10.27
72.0	7.852	7.920	8.617	9.541	9.908	9.609	9.086	8.331
75.0	6.067	6.094	6.708	7.575	7.969	7.733	7.245	6.527
78.0	4.424	4.405	4.943	5.750	6.172	5.994	5.552	4.868
81.0	2.923	2.855	3.317	4.044	4.495	4.365	3.986	3.341
84.0	1.550	1.436	1.823	2.468	2.939	2.876	2.542	1.951
87.0	0.2890	0.1288	0.4183	1.003	1.482	1.495	1.219	0.6748
90.0	0.0895	0.0703	0.0892	0.0584	0.1071	0.2229	0.0708	0.0610

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