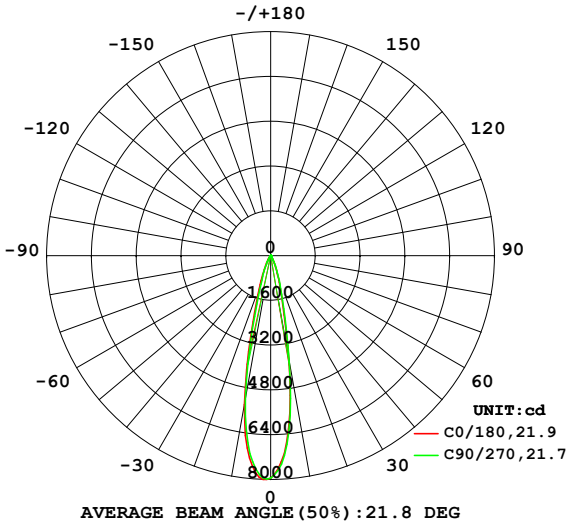
Photometric Filename: HCP-10X2501-4000K RA90 18D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

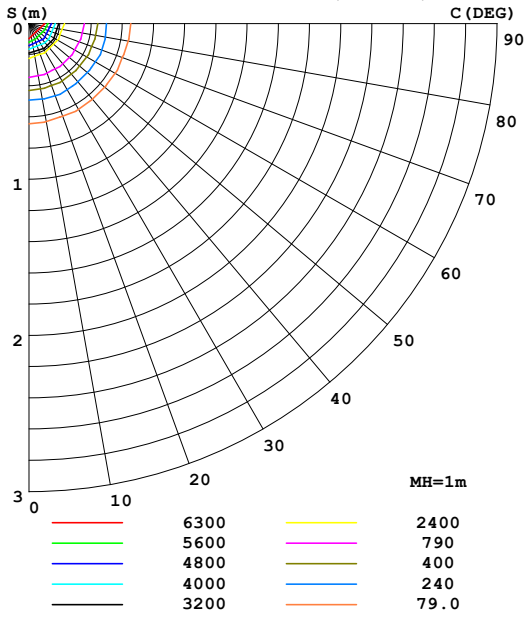
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 82.51 lm/W	
MODEL		Imax(cd)	8029	S/MH(C0/180)	0.40
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1508.1	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1508.12	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	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%):21.8 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	3767	3574	3870	4641	5399	5600	5214	4396	0- 10	595.6	595.6	39.5,39.5
20	756.3	768.8	821.7	982.7	1108	1087	931.6	818.5	10- 20	584.1	1180	78.2,78.2
30	184.1	185.8	199.7	237.8	265.1	246.8	227.5	200.4	20- 30	218.2	1398	92.7,92.7
40	31.56	30.60	34.45	44.79	53.87	52.27	45.95	37.23	30- 40	67.70	1466	97.2,97.2
50	13.48	13.00	13.13	14.81	17.13	17.46	16.11	14.10	40- 50	18.47	1484	98.4,98.4
60	9.355	9.006	9.127	9.919	10.82	10.98	10.57	9.905	50- 60	10.53	1495	99.1,99.1
70	5.241	4.956	5.248	6.023	6.840	7.104	6.730	5.916	60- 70	7.995	1503	99.6,99.6
80	1.941	1.762	1.976	2.464	3.003	3.136	2.898	2.344	70- 80	4.360	1507	99.9,99.9
90	0.0638	0.0443	0.0701	0.0406	0.0840	0.1745	0.0492	0.0406	80- 90	1.186	1508	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): 1476.5 lm

%lum = 97.9%
%lamp = 97.9%

Conical surface Flux(120deg): 1494.6 lm

%lum = 99.1%
%lamp = 99.1%

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:

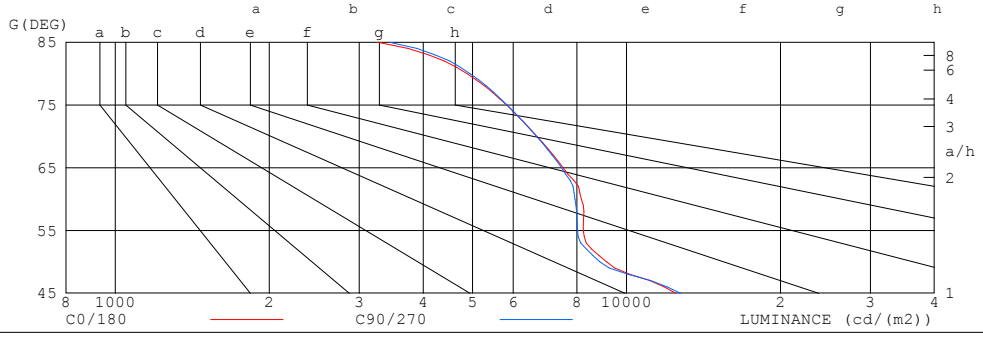
Photometric Filename: HCP-10X2501-4000K RA90 18D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz **UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm**		
NAME: HCP-10X2501-4000K RA90 18D 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	3267	3442
80	4873	4941
75	5828	5838
70	6679	6663
65	7514	7461
60	8155	7926
55	8232	8019
50	9137	8873
45	12476	12761

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-10X2501-4000K RA90 18D WHITE

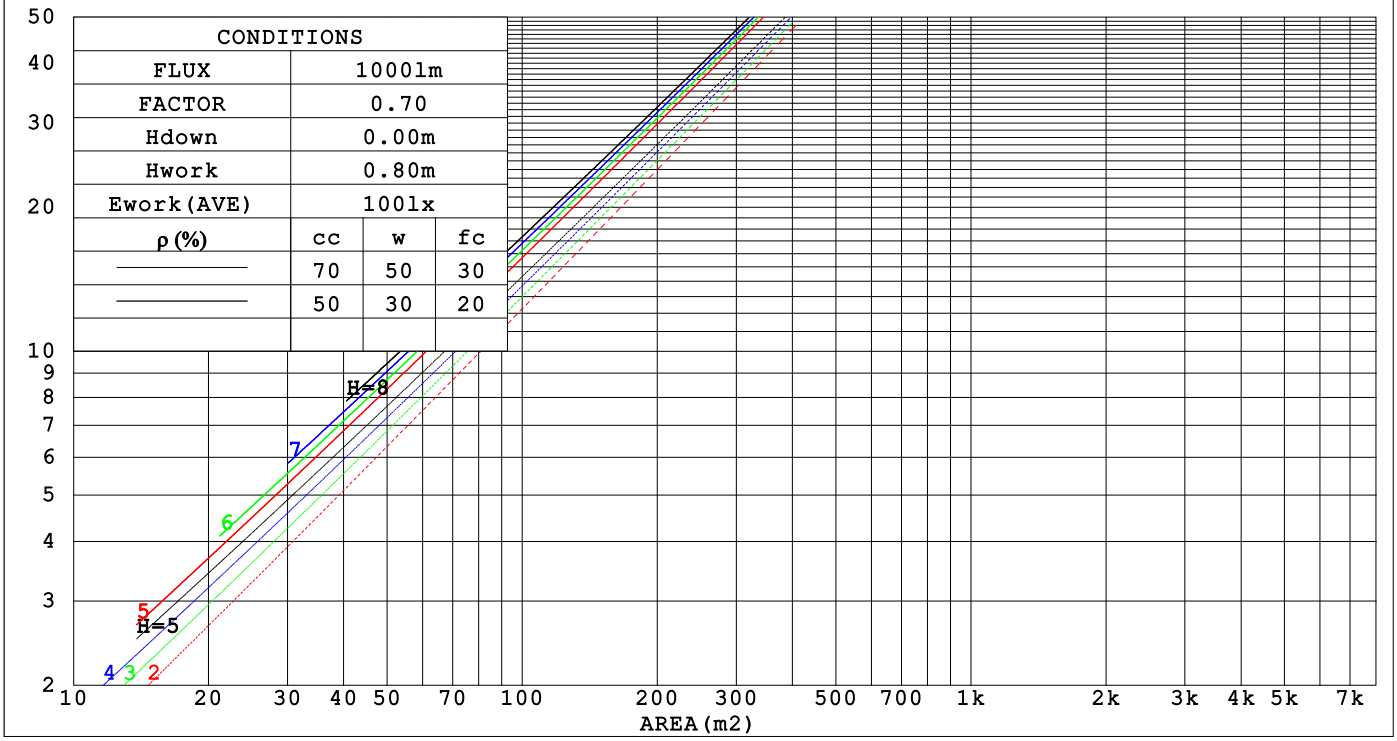
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.00	.99	.00	.98	.96	.97	.96	.94	.93
3.0	1.03	.99	.96	1.01	.98	.95	.99	.96	.94	.97	.94	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.90	.88	.93	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.84	.90	.87	.84	.89	.86	.83	.88	.85	.83	.82
7.0	.89	.85	.82	.88	.85	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
8.0	.86	.82	.79	.86	.82	.79	.85	.82	.79	.84	.81	.79	.83	.81	.78	.77
9.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.76	.76
10.0	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.80	.77	.75	.74

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-10X2501-4000K RA90 18D WHITE

WEC AND CCEC

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	.139	.079	.025	.133	.076	.024	.120	.069	.022	.109	.063	.020	.098	.057	.018	
2.0	.129	.071	.022	.124	.068	.021	.113	.063	.020	.104	.058	.018	.095	.054	.017	
3.0	.120	.064	.019	.115	.062	.019	.107	.058	.018	.099	.054	.017	.092	.051	.016	
4.0	.112	.058	.017	.108	.057	.017	.101	.054	.016	.094	.051	.015	.088	.048	.015	
5.0	.105	.054	.016	.102	.052	.015	.096	.050	.015	.090	.048	.014	.085	.045	.014	
6.0	.099	.050	.014	.097	.049	.014	.091	.047	.014	.086	.045	.013	.082	.043	.013	
7.0	.094	.047	.013	.092	.046	.013	.087	.044	.013	.083	.042	.012	.079	.041	.012	
8.0	.089	.044	.012	.087	.043	.012	.083	.042	.012	.080	.040	.012	.076	.039	.011	
9.0	.085	.041	.012	.083	.041	.011	.080	.040	.011	.077	.038	.011	.073	.037	.011	
10.0	.082	.039	.011	.080	.039	.011	.077	.038	.011	.074	.037	.010	.071	.036	.010	

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	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.056	.089	.065	.048	.061	.046	.034	.036	.027	.020	.011	.009	.007	
7.0	.096	.067	.047	.082	.058	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.089	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.007	.004	
10.0	.079	.050	.031	.068	.044	.027	.047	.031	.019	.027	.018	.012	.009	.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-10X2501-4000K RA90 18D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	12.3	13.0	12.5	13.1	13.3	12.5	13.2	12.7	13.3	13.5
	3H	12.9	13.5	13.1	13.7	13.9	13.0	13.6	13.3	13.8	14.0
	4H	13.1	13.7	13.4	13.9	14.1	13.2	13.8	13.5	14.0	14.2
	6H	13.2	13.8	13.5	14.0	14.3	13.4	13.9	13.7	14.2	14.4
	8H	13.3	13.8	13.6	14.1	14.3	13.4	13.9	13.7	14.2	14.4
	12H	13.3	13.8	13.6	14.0	14.3	13.4	13.9	13.7	14.2	14.4
4H	2H	12.5	13.0	12.7	13.3	13.5	12.6	13.2	12.9	13.4	13.6
	3H	13.2	13.7	13.5	13.9	14.2	13.3	13.8	13.6	14.1	14.3
	4H	13.5	14.0	13.8	14.2	14.5	13.6	14.1	13.9	14.4	14.7
	6H	13.7	14.1	14.1	14.4	14.8	13.8	14.2	14.2	14.6	14.9
	8H	13.8	14.1	14.1	14.5	14.9	13.9	14.3	14.3	14.6	15.0
	12H	13.8	14.1	14.2	14.5	14.9	13.9	14.2	14.3	14.6	15.0
8H	4H	13.5	13.9	13.9	14.3	14.6	13.6	14.0	14.0	14.4	14.7
	6H	13.8	14.1	14.2	14.5	14.9	13.9	14.2	14.3	14.6	15.0
	8H	13.9	14.2	14.3	14.6	15.0	14.0	14.3	14.5	14.7	15.2
	12H	13.9	14.2	14.4	14.6	15.1	14.0	14.3	14.5	14.7	15.2
12H	4H	13.5	13.9	13.9	14.2	14.6	13.6	14.0	14.0	14.3	14.7
	6H	13.8	14.1	14.2	14.5	14.9	13.9	14.2	14.3	14.6	15.0
	8H	13.9	14.2	14.4	14.6	15.1	14.0	14.3	14.5	14.7	15.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.2 / - 0.9	+ 1.5 / - 1.0
1.5H	+ 2.4 / - 0.8	+ 2.9 / - 1.0
2.0H	+ 0.8 / - 0.5	+ 0.9 / - 0.5

CIE Pub.117, 1508 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.4)
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-10X2501-4000K RA90 18D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	90	84	80	89	84	80	89	83	80	77
0.80	97	91	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	107	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	99
5.00	115	113	112	113	112	110	109	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

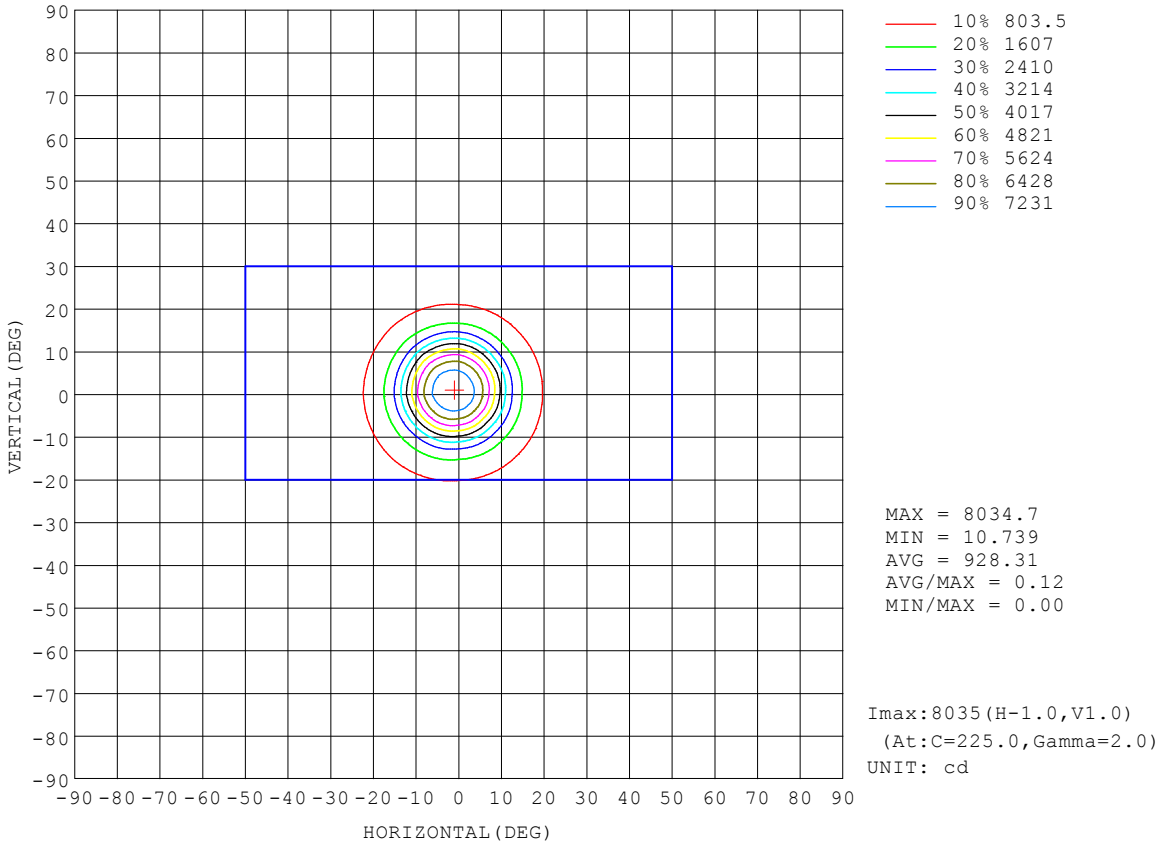
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2023-11-20

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-10X2501-4000K RA90 18D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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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Test Date:2023-11-20

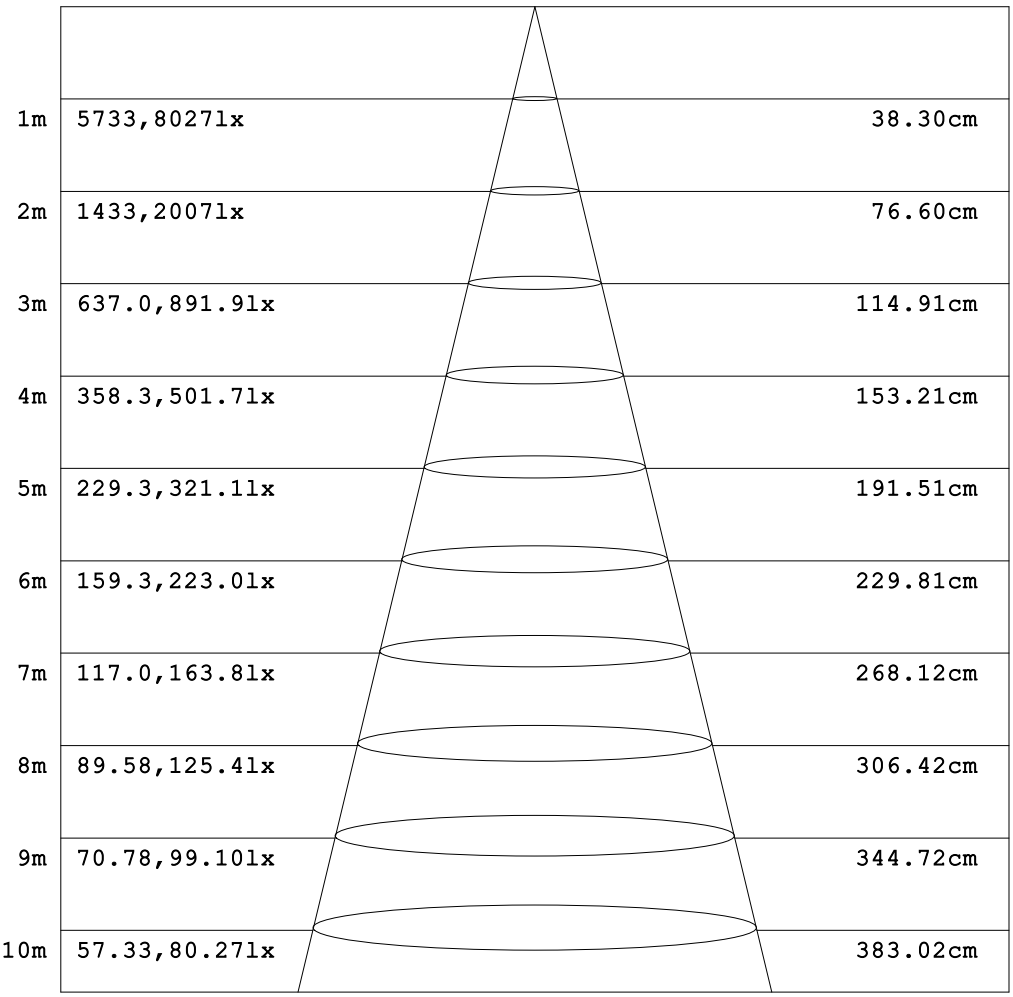
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-4000K RA90 18D WHITE

AAI Figure

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:680.6 lm



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

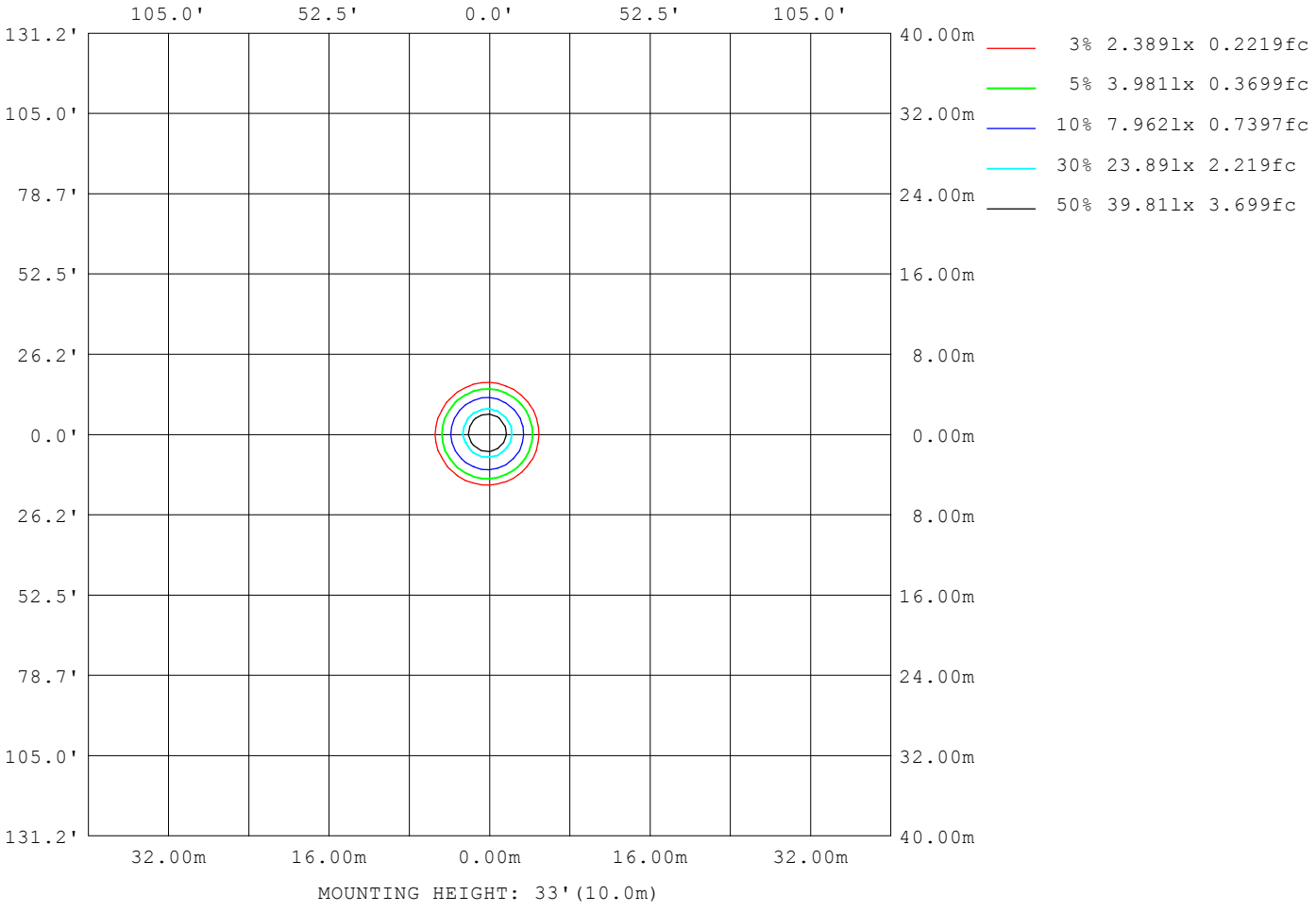
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 18D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz **UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm**		
NAME: HCP-10X2501-4000K RA90 18D 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:2023-11-20

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:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

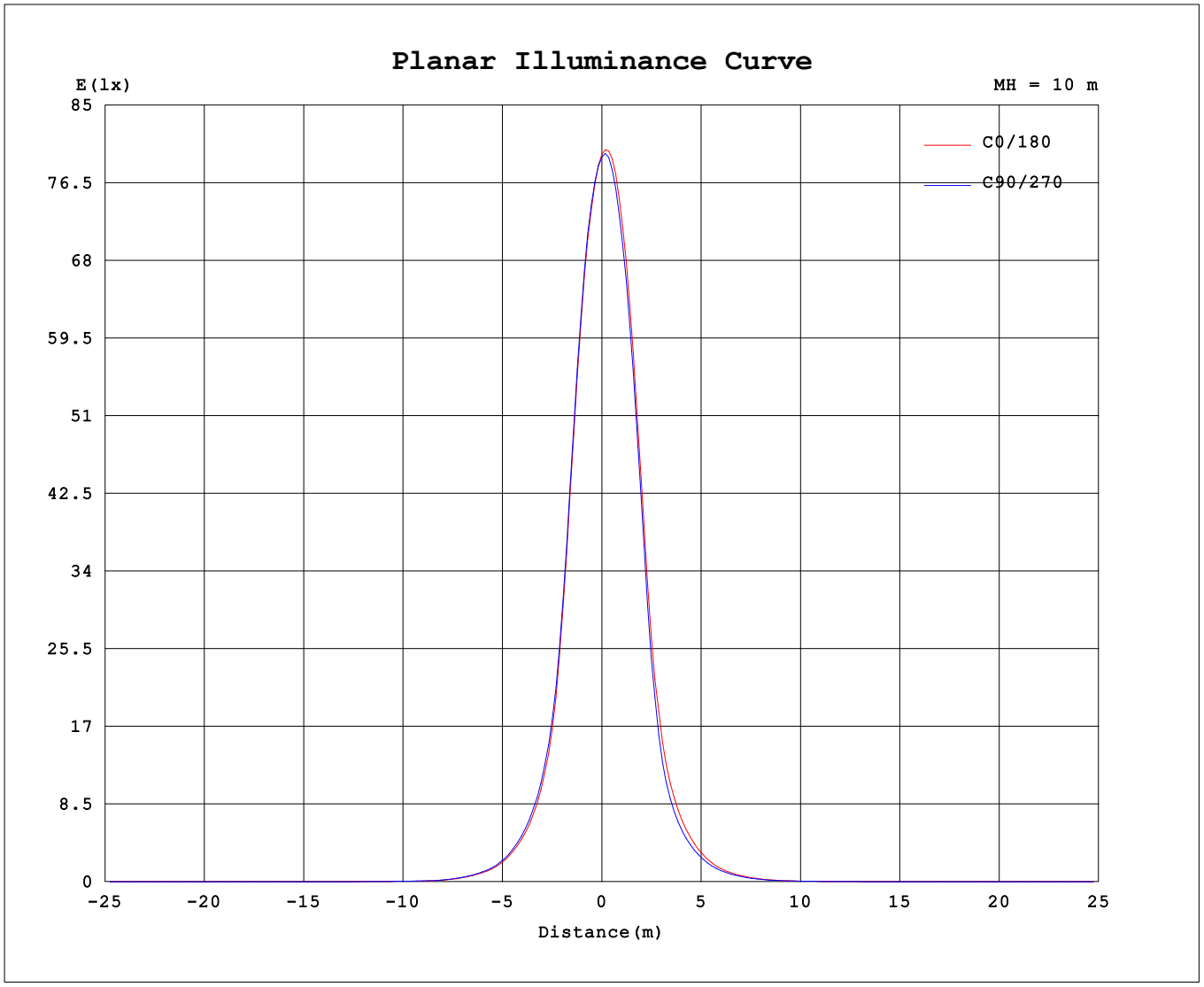
AvgL	cd/m2
L_0~180(65)av	8449
L_0~180(75)av	6923
L_0~180(85)av	5283
L_90~270(65)av	8324
L_90~270(75)av	6851
L_90~270(85)av	5138
L_45(65)av	8365
L_45(75)av	6852
L_45(85)av	5046

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:

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-10X2501-4000K RA90 18D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0784A P:18.3W PF:0.9700 Freq:49.99Hz UTHDi:0.26% ITHDi:11.38% KDisp:0.9799 Lamp Flux:1508.12x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	7943	7943	7943	7943	7943	7943	7943	7943
5	6683	6558	6763	7180	7548	7632	7399	7005
10	3767	3574	3870	4641	5399	5600	5214	4396
15	1554	1550	1667	2058	2452	2545	2249	1776
20	756	769	822	983	1108	1087	932	819
25	382	384	414	502	564	532	468	418
30	184	186	200	238	265	247	227	200
35	85.4	81.9	94.1	113	125	116	108	95.5
40	31.6	30.6	34.4	44.8	53.9	52.3	46.0	37.2
45	20.2	19.9	20.8	23.9	25.9	25.5	23.5	21.4
50	13.5	13.0	13.1	14.8	17.1	17.5	16.1	14.1
55	10.8	10.5	10.6	11.3	12.4	12.5	12.2	11.3
60	9.36	9.01	9.13	9.92	10.8	11.0	10.6	9.91
65	7.29	6.96	7.26	8.12	9.14	9.41	8.92	8.04
70	5.24	4.96	5.25	6.02	6.84	7.10	6.73	5.92
75	3.46	3.23	3.48	4.11	4.78	4.98	4.68	4.00
80	1.94	1.76	1.98	2.46	3.00	3.14	2.90	2.34
85	0.65	0.52	0.69	1.05	1.46	1.55	1.37	0.93
90	0.06	0.04	0.07	0.04	0.08	0.17	0.05	0.04

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-10X2501-4000K RA90 18D 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	7943	7943	7943	7943	7943	7943	7943	7943
3.0	7377	7340	7457	7675	7929	7968	7839	7585
6.0	6201	6056	6293	6823	7274	7370	7108	6640
9.0	4415	4196	4514	5262	5982	6145	5786	5040
12.0	2630	2514	2732	3394	4151	4360	3921	3126
15.0	1554	1550	1667	2058	2452	2545	2249	1776
18.0	1000	1007	1080	1294	1487	1484	1266	1095
21.0	662.9	673.6	720.5	857.7	964.2	947.7	806.6	714.3
24.0	441.4	446.3	478.2	576.9	644.6	610.8	536.1	479.5
27.0	283.4	283.8	308.1	374.8	420.8	397.7	351.5	310.7
30.0	184.1	185.8	199.7	237.8	265.1	246.8	227.5	200.4
33.0	118.7	117.3	129.0	153.0	168.3	156.5	146.5	131.3
36.0	70.05	67.30	77.96	96.16	106.5	99.91	92.97	80.85
39.0	37.29	35.73	41.58	54.98	65.47	62.73	55.95	45.29
42.0	25.08	24.74	26.63	32.44	37.50	36.23	32.18	27.88
45.0	20.24	19.93	20.78	23.89	25.92	25.49	23.48	21.45
48.0	15.60	14.91	15.55	18.54	20.53	20.49	19.09	17.03
51.0	12.75	12.29	12.45	13.83	15.46	15.77	14.66	13.36
54.0	11.14	10.80	10.88	11.77	13.03	13.19	12.72	11.64
57.0	10.30	9.997	10.03	10.72	11.60	11.77	11.42	10.74
60.0	9.355	9.006	9.127	9.919	10.82	10.98	10.57	9.905
63.0	8.215	7.820	8.108	8.947	9.849	10.08	9.623	8.899
66.0	6.863	6.544	6.847	7.692	8.646	8.947	8.481	7.607
69.0	5.634	5.341	5.637	6.436	7.278	7.554	7.165	6.334
72.0	4.497	4.233	4.505	5.227	5.982	6.222	5.880	5.118
75.0	3.461	3.229	3.479	4.112	4.781	4.978	4.677	3.995
78.0	2.520	2.324	2.549	3.090	3.682	3.840	3.583	2.976
81.0	1.669	1.496	1.704	2.159	2.674	2.799	2.574	2.041
84.0	0.8959	0.7479	0.9363	1.314	1.755	1.854	1.658	1.194
87.0	0.1781	0.0634	0.2205	0.5327	0.8950	0.9856	0.8114	0.4188
90.0	0.0638	0.0443	0.0701	0.0406	0.0840	0.1745	0.0492	0.0406

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