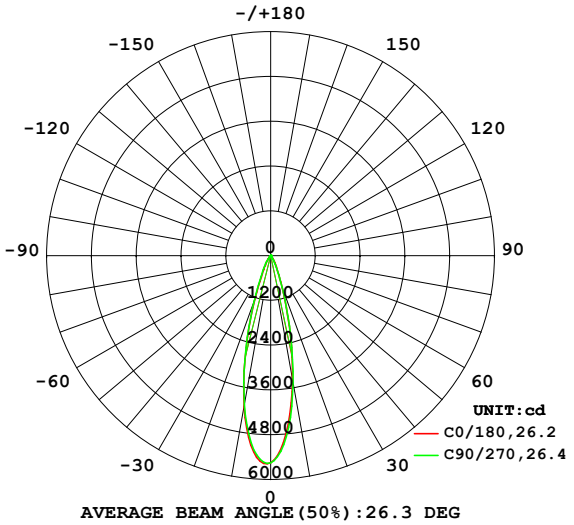
Photometric Filename: HCP-10X2501-4000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 lm		
NAME: HCP-10X2501-4000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

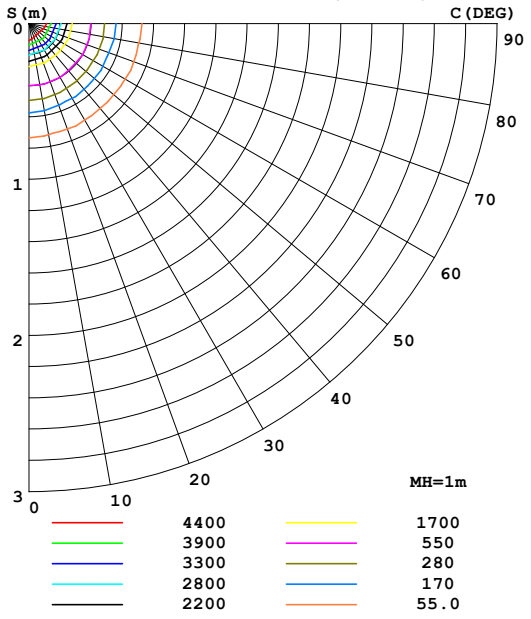
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 79.35 lm/W	
MODEL		Imax(cd)	5591	S/MH(C0/180)	0.47
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1450.1	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1450.06	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.24	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	3395	3319	3467	3802	4102	4217	4058	3694	0- 10	439.0	439.0	30.3,30.3
20	912.5	832.9	908.9	1049	1233	1346	1289	1088	10- 20	613.6	1053	72.6,72.6
30	243.6	215.5	219.5	249.3	287.9	321.6	331.4	296.1	20- 30	249.4	1302	89.8,89.8
40	51.17	47.21	51.19	61.25	72.65	76.53	76.97	62.33	30- 40	92.25	1394	96.2,96.2
50	16.26	16.58	17.95	19.13	19.79	19.28	18.37	16.81	40- 50	24.75	1419	97.9,97.9
60	12.10	12.44	13.25	13.64	13.38	13.10	13.27	12.56	50- 60	13.29	1432	98.8,98.8
70	7.072	7.163	7.710	8.419	8.692	8.487	8.046	7.428	60- 70	10.44	1443	99.5,99.5
80	2.647	2.608	2.972	3.539	3.885	3.806	3.479	2.966	70- 80	5.758	1449	99.9,99.9
90	0.0693	0.0494	0.0682	0.0435	0.0779	0.1733	0.0537	0.0470	80- 90	1.550	1450	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): 1409.9 lm

%lum = 97.2%
%lamp = 97.2%

Conical surface Flux(120deg): 1432.3 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:

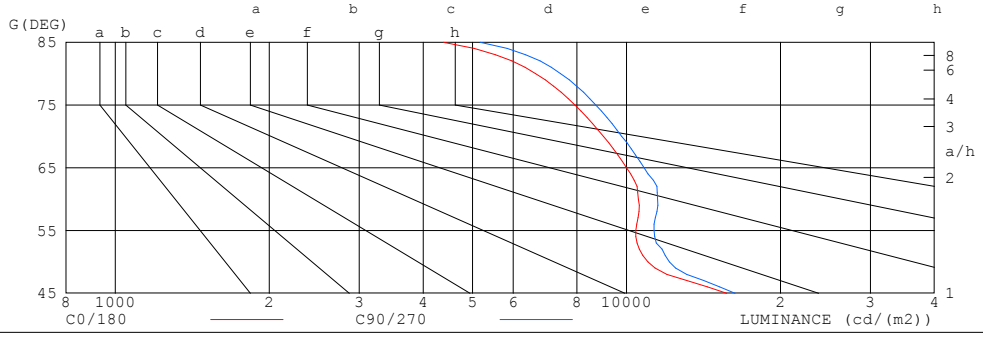
Photometric Filename: HCP-10X2501-4000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz **UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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	4380	5175
80	6642	7433
75	7926	8706
70	9009	9791
65	10005	10823
60	10541	11507
55	10420	11316
50	11019	12128
45	15698	16311

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

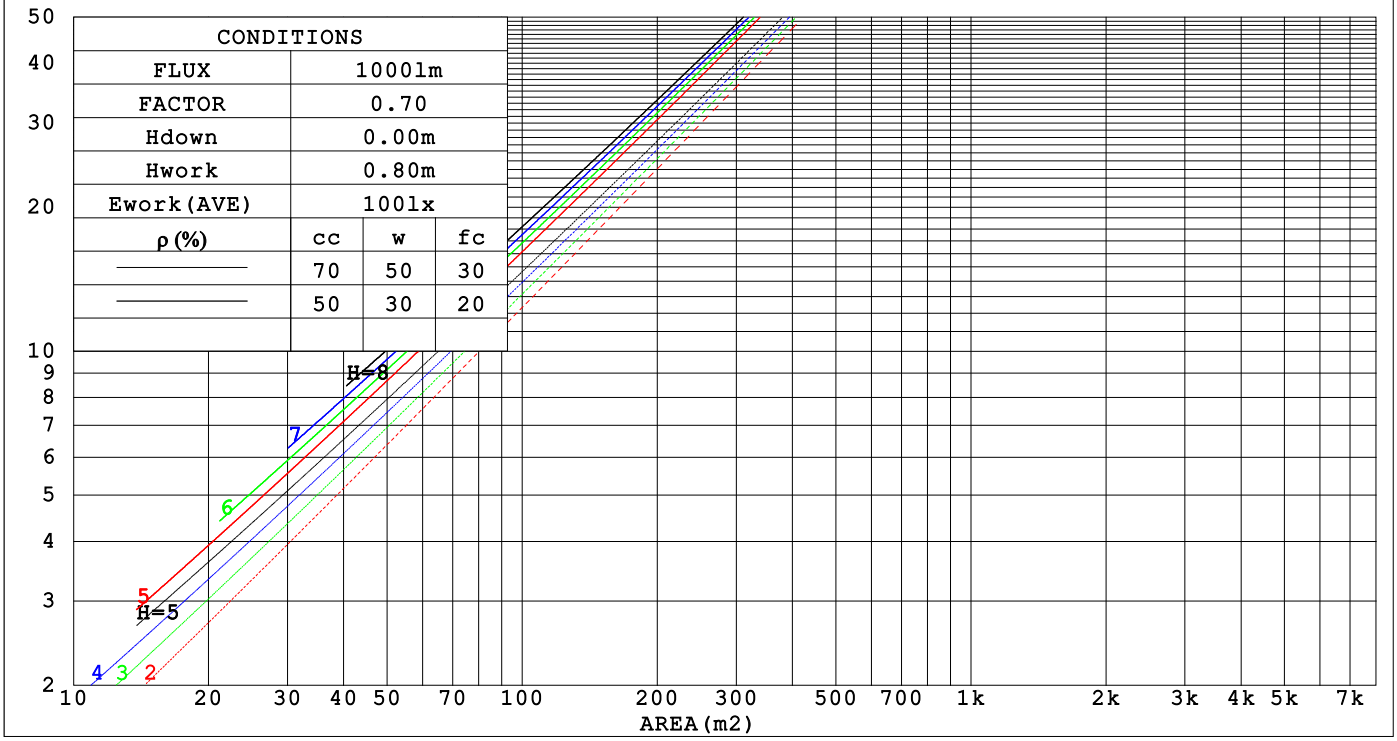
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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	.85	.90	.87	.84	.89	.86	.83	.87	.85	.82	.81
6.0	.89	.85	.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	.78	.75	.80	.77	.74	.80	.77	.74	.73
9.0	.80	.76	.73	.80	.75	.73	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
10.0	.78	.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-10X2501-4000K RA90 24D WHITE

WEC AND CCEC

Test:U:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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	.068	.022	.108	.063	.020	
2.0	.139	.076	.023	.133	.074	.023	.123	.068	.021	.114	.064	.020	.105	.059	.019	
3.0	.130	.069	.021	.125	.067	.020	.117	.063	.019	.109	.059	.018	.101	.056	.017	
4.0	.122	.063	.019	.118	.062	.018	.111	.059	.018	.104	.056	.017	.097	.053	.016	
5.0	.115	.058	.017	.111	.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	.117	.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:

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

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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	14.5	15.3	14.7	15.4	15.6	14.5	15.2	14.7	15.3	15.5
	3H	15.1	15.8	15.3	16.0	16.1	15.1	15.8	15.4	16.0	16.2
	4H	15.3	16.0	15.6	16.2	16.4	15.4	16.0	15.7	16.2	16.5
	6H	15.5	16.1	15.8	16.3	16.6	15.6	16.2	15.9	16.4	16.7
	8H	15.5	16.1	15.8	16.3	16.6	15.6	16.2	15.9	16.5	16.7
	12H	15.5	16.1	15.8	16.3	16.6	15.6	16.2	16.0	16.5	16.7
4H	2H	14.7	15.3	15.0	15.5	15.8	14.6	15.3	14.9	15.5	15.7
	3H	15.4	16.0	15.7	16.3	16.5	15.5	16.0	15.8	16.3	16.5
	4H	15.8	16.3	16.1	16.6	16.9	15.8	16.4	16.2	16.6	16.9
	6H	16.0	16.4	16.4	16.8	17.1	16.1	16.6	16.5	16.9	17.2
	8H	16.0	16.5	16.4	16.8	17.2	16.2	16.6	16.6	17.0	17.3
	12H	16.1	16.4	16.5	16.8	17.2	16.2	16.6	16.6	17.0	17.4
8H	4H	15.8	16.3	16.2	16.6	17.0	15.9	16.3	16.3	16.7	17.0
	6H	16.1	16.5	16.6	16.9	17.3	16.3	16.6	16.7	17.0	17.4
	8H	16.2	16.5	16.7	17.0	17.4	16.4	16.7	16.8	17.1	17.5
	12H	16.3	16.5	16.7	17.0	17.4	16.4	16.7	16.9	17.1	17.6
12H	4H	15.8	16.2	16.2	16.6	17.0	15.9	16.3	16.3	16.6	17.0
	6H	16.1	16.4	16.6	16.9	17.3	16.3	16.6	16.7	17.0	17.4
	8H	16.2	16.5	16.7	17.0	17.4	16.4	16.7	16.9	17.1	17.6

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.4 / - 1.1	+ 1.2 / - 1.0
1.5H	+ 2.9 / - 1.1	+ 2.5 / - 0.8
2.0H	+ 0.6 / - 0.4	+ 0.6 / - 0.5

CIE Pub.117, 1450 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.3)
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:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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	80	88	83	79	76
0.80	96	91	87	96	90	87	95	90	87	83
1.00	100	95	92	100	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	

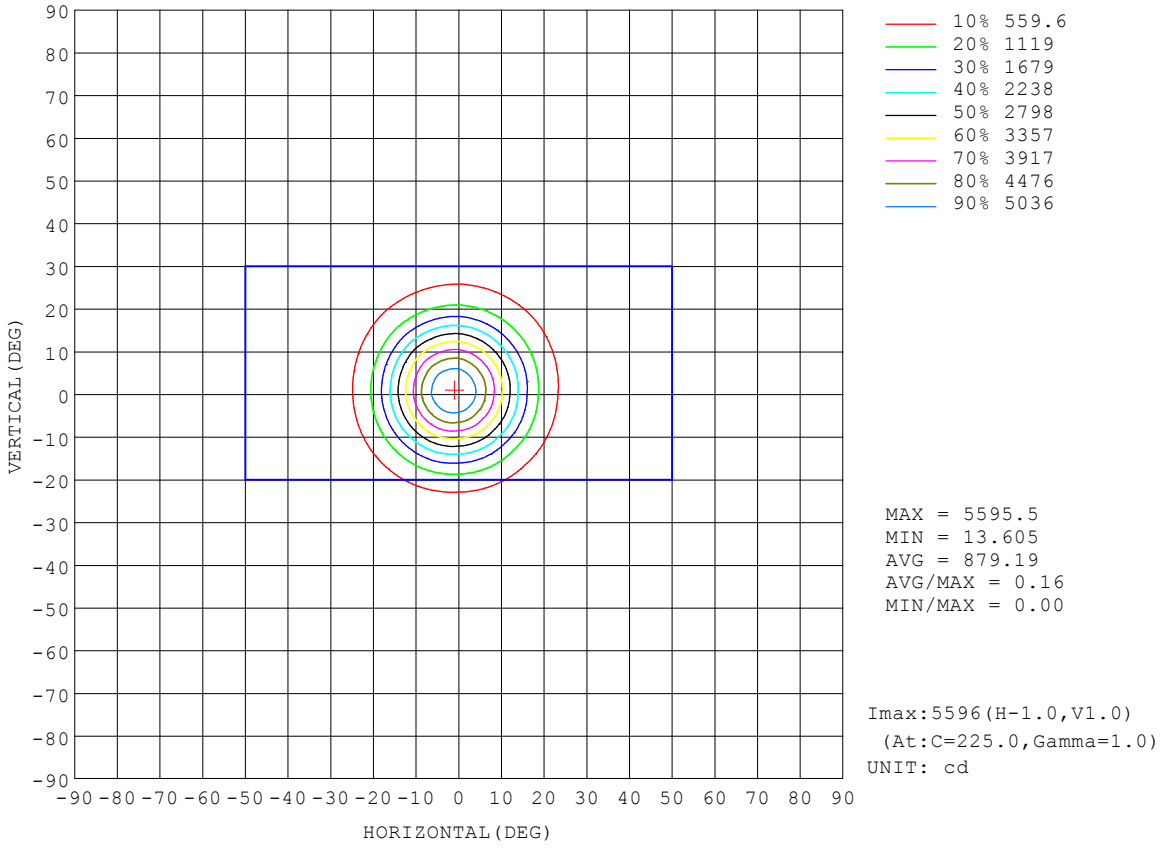
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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
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Test Date:2023-11-21

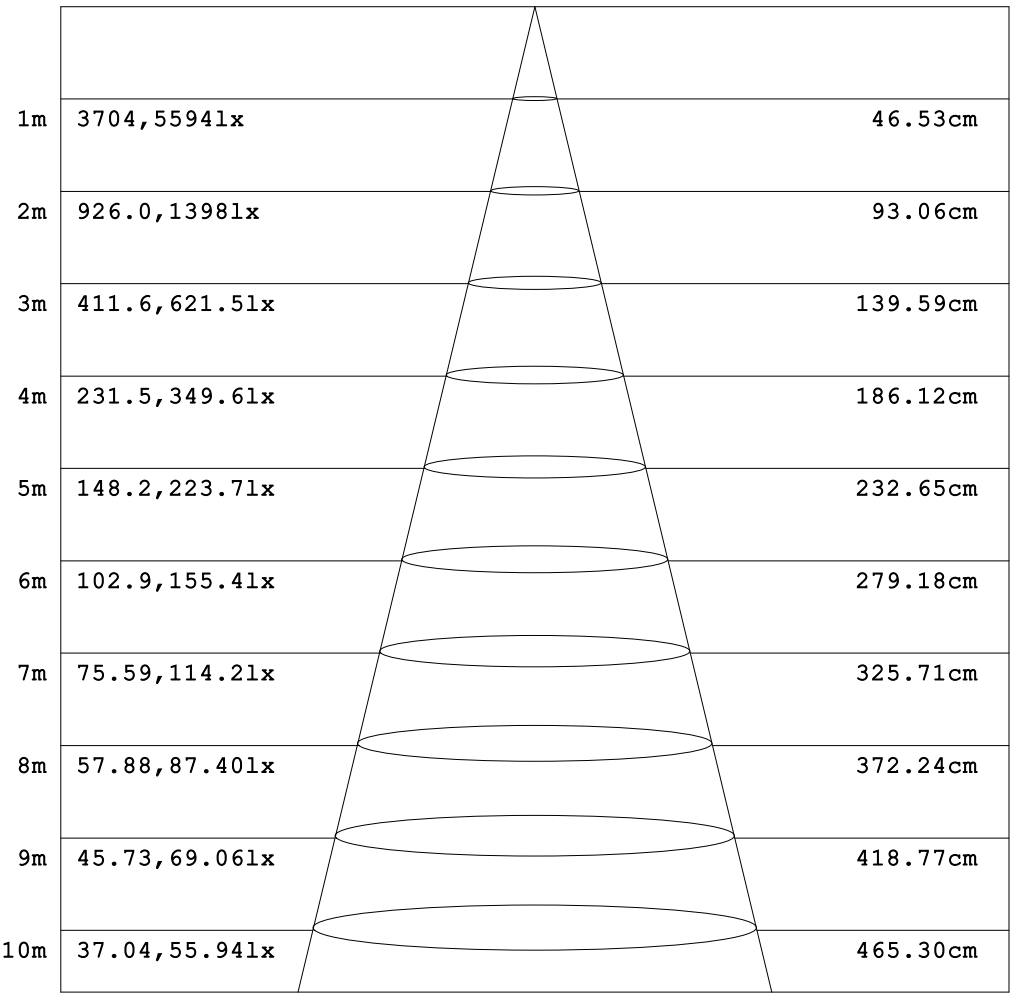
γ Range: 0 - 90DEG
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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

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

AAI Figure

Test:U:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 lm		
NAME: HCP-10X2501-4000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:723.4 lm



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

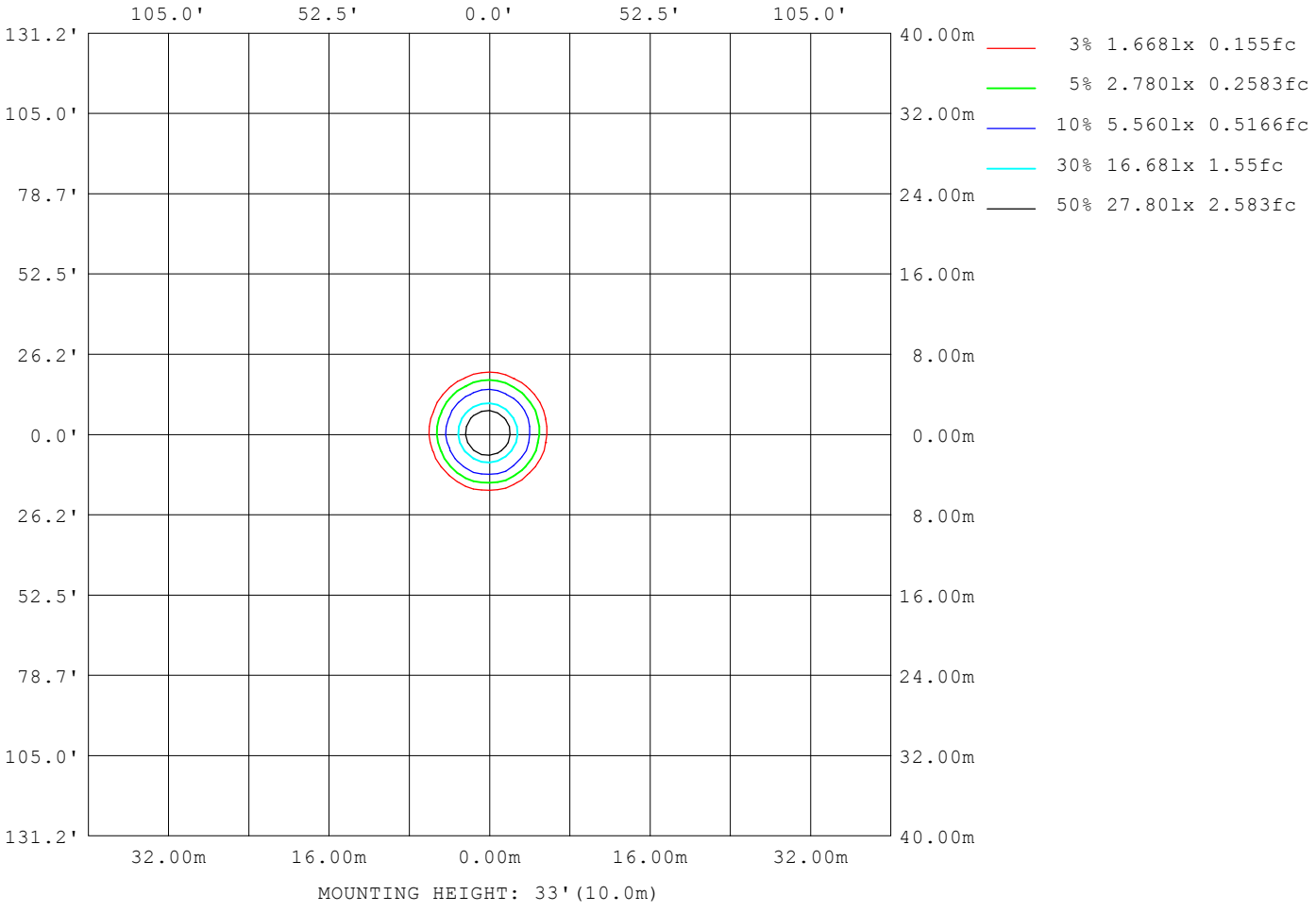
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz **UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 lm		
NAME: HCP-10X2501-4000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

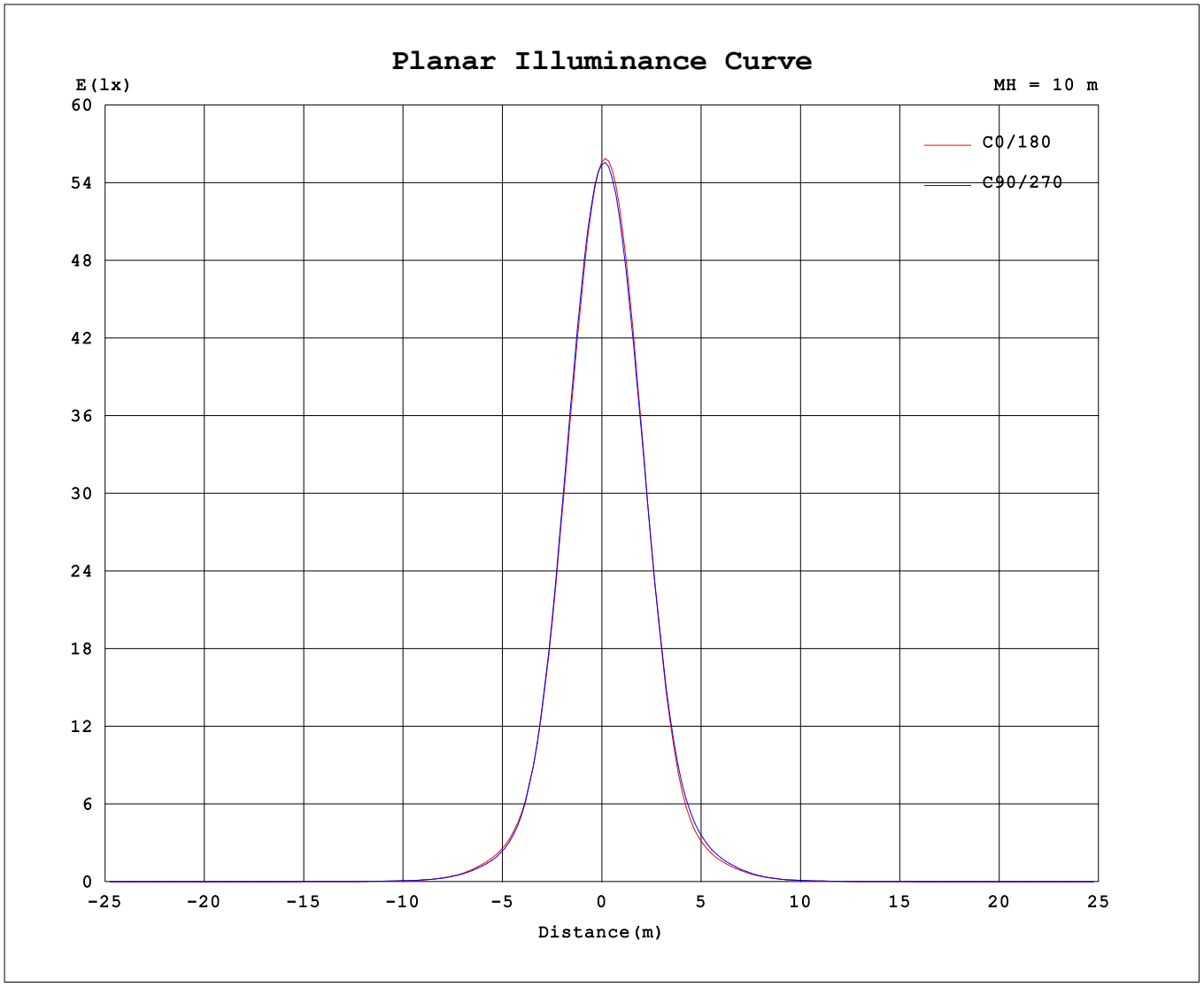
AvgL	cd/m2
L_0~180(65)av	10875
L_0~180(75)av	9117
L_0~180(85)av	6883
L_90~270(65)av	11036
L_90~270(75)av	9070
L_90~270(85)av	6623
L_45(65)av	10917
L_45(75)av	9081
L_45(85)av	6633

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:240.3V I:0.0783A P:18.3W PF:0.9714 Freq:49.99Hz UTHDi:0.20% ITHDi:11.45% KDisp:0.9802 Lamp Flux:1450.06x1 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

C(DEG) / γ (DEG)	0	45	90	135	180	225	270	315
0	5549	5549	5549	5549	5549	5549	5549	5549
5	4787	4747	4868	5095	5279	5324	5215	4974
10	3395	3319	3467	3802	4102	4217	4058	3694
15	1926	1853	1959	2249	2545	2707	2562	2218
20	913	833	909	1049	1233	1346	1289	1088
25	442	398	413	477	544	617	624	546
30	244	216	219	249	288	322	331	296
35	121	109	116	135	161	176	179	153
40	51.2	47.2	51.2	61.2	72.6	76.5	77.0	62.3
45	25.5	25.0	26.6	29.8	32.8	32.8	31.0	27.4
50	16.3	16.6	17.9	19.1	19.8	19.3	18.4	16.8
55	13.7	14.1	14.9	15.1	14.8	14.6	14.8	14.2
60	12.1	12.4	13.2	13.6	13.4	13.1	13.3	12.6
65	9.70	9.88	10.5	11.3	11.4	11.2	10.9	10.1
70	7.07	7.16	7.71	8.42	8.69	8.49	8.05	7.43
75	4.71	4.73	5.19	5.84	6.15	6.01	5.61	5.05
80	2.65	2.61	2.97	3.54	3.89	3.81	3.48	2.97
85	0.88	0.77	1.04	1.51	1.88	1.87	1.62	1.17
90	0.07	0.05	0.07	0.04	0.08	0.17	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-10X2501-4000K 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	5549	5549	5549	5549	5549	5549	5549	5549
3.0	5203	5179	5251	5393	5512	5542	5467	5314
6.0	4536	4488	4629	4890	5103	5162	5035	4757
9.0	3697	3625	3777	4102	4391	4488	4332	3981
12.0	2788	2707	2840	3174	3488	3632	3471	3096
15.0	1926	1853	1959	2249	2545	2707	2562	2218
18.0	1240	1166	1249	1465	1698	1831	1739	1471
21.0	770.0	707.6	759.2	883.5	1039	1145	1105	951.6
24.0	502.7	453.9	474.5	549.3	631.0	712.6	713.6	621.8
27.0	345.3	306.9	316.0	363.3	414.8	469.8	477.5	422.3
30.0	243.6	215.5	219.5	249.3	287.9	321.6	331.4	296.1
33.0	166.0	148.2	152.2	178.3	206.7	225.8	233.6	206.3
36.0	103.0	92.55	97.82	116.4	137.9	151.1	154.0	129.7
39.0	61.47	55.65	60.61	71.87	85.90	92.60	92.45	75.53
42.0	36.52	35.09	37.39	44.56	51.76	52.98	52.00	42.33
45.0	25.48	25.03	26.55	29.78	32.83	32.84	31.05	27.39
48.0	18.42	18.48	20.21	22.42	23.79	23.84	22.67	19.86
51.0	15.54	15.87	17.25	17.86	17.97	17.61	17.10	16.04
54.0	14.06	14.42	15.37	15.52	15.29	15.17	15.22	14.51
57.0	13.17	13.51	14.28	14.55	14.22	13.95	14.13	13.56
60.0	12.10	12.44	13.25	13.64	13.38	13.10	13.27	12.56
63.0	10.79	11.01	11.80	12.40	12.29	12.01	11.94	11.24
66.0	9.166	9.320	9.947	10.68	10.88	10.62	10.26	9.555
69.0	7.584	7.680	8.257	8.968	9.234	9.015	8.570	7.944
72.0	6.091	6.153	6.666	7.352	7.640	7.466	7.030	6.445
75.0	4.709	4.734	5.188	5.837	6.146	6.007	5.611	5.045
78.0	3.435	3.424	3.822	4.425	4.759	4.659	4.298	3.764
81.0	2.274	2.221	2.565	3.107	3.463	3.395	3.089	2.584
84.0	1.208	1.115	1.406	1.895	2.264	2.234	1.967	1.511
87.0	0.2267	0.0988	0.3167	0.7661	1.138	1.161	0.9450	0.5269
90.0	0.0693	0.0494	0.0682	0.0435	0.0779	0.1733	0.0537	0.0470

C Range: 0 - 360DEG
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