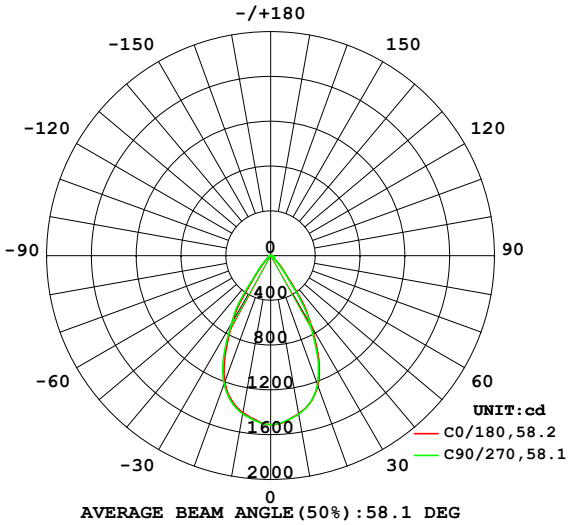
Photometric Filename: HCP-10X2501-3000K RA90 60D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

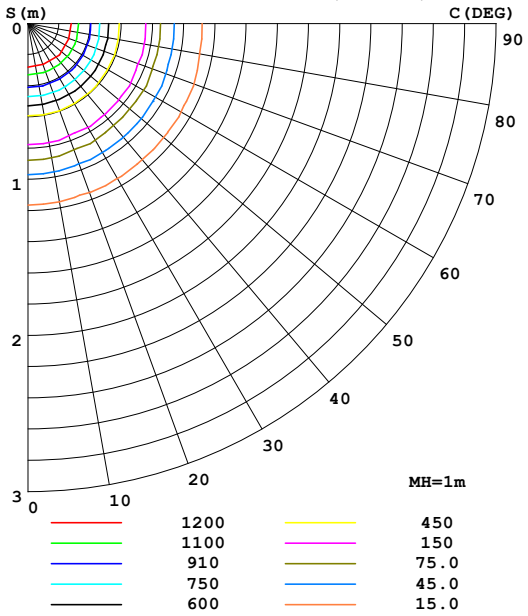
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 74.42 lm/W	
MODEL		Imax(cd)	1510	S/MH(C0/180)	0.87
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1359.5	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	1359.55	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.31	η down(%)	100.0	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):58.1 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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	1434	1439	1438	1437	1425	1431	1437	1438	0- 10	140.1	140.1	10.3,10.3
20	1234	1244	1221	1214	1201	1201	1219	1234	10- 20	378.6	518.7	38.2,38.2
30	732.4	736.4	705.8	691.0	687.1	695.1	708.4	719.7	20- 30	447.1	965.8	71,71
40	193.7	181.7	168.7	158.3	159.2	168.3	181.5	179.0	30- 40	257.0	1223	89.9,89.9
50	45.51	42.31	37.34	34.64	34.41	36.51	41.91	44.34	40- 50	72.06	1295	95.2,95.2
60	26.44	25.99	24.84	24.08	24.29	25.15	25.92	26.38	50- 60	26.43	1321	97.2,97.2
70	18.33	17.70	16.56	16.03	16.27	17.16	18.17	18.52	60- 70	21.59	1343	98.8,98.8
80	8.290	7.732	6.989	6.654	6.849	7.499	8.235	8.481	70- 80	13.10	1356	99.7,99.7
90	0.0697	0.0633	0.0781	0.0669	0.0771	0.0742	0.0707	0.0646	80- 90	3.563	1360	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): 1270.3 lm

%lum = 93.4%
%lamp = 93.4%

Conical surface Flux(120deg): 1321.3 lm

%lum = 97.2%
%lamp = 97.2%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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:

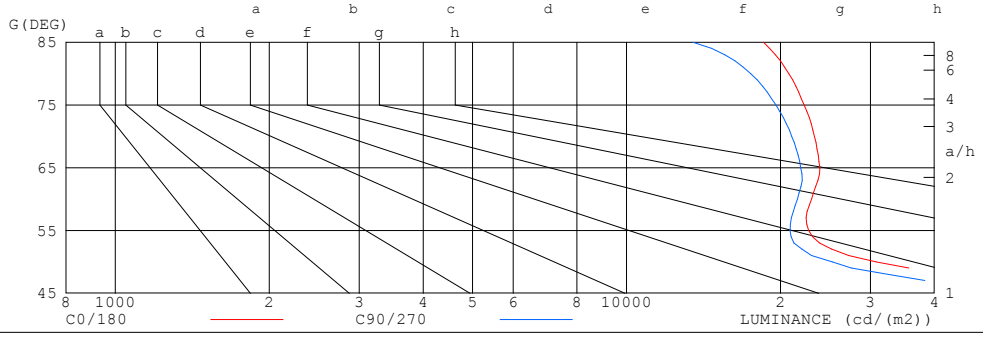
Photometric Filename: HCP-10X2501-3000K RA90 60D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz **UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm**		
NAME: HCP-10X2501-3000K RA90 60D 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	18521	13502
80	20768	17496
75	22262	19604
70	23313	21043
65	23887	21918
60	23004	21593
55	22696	20884
50	30801	25254
45	64244	53405

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-3000K RA90 60D WHITE

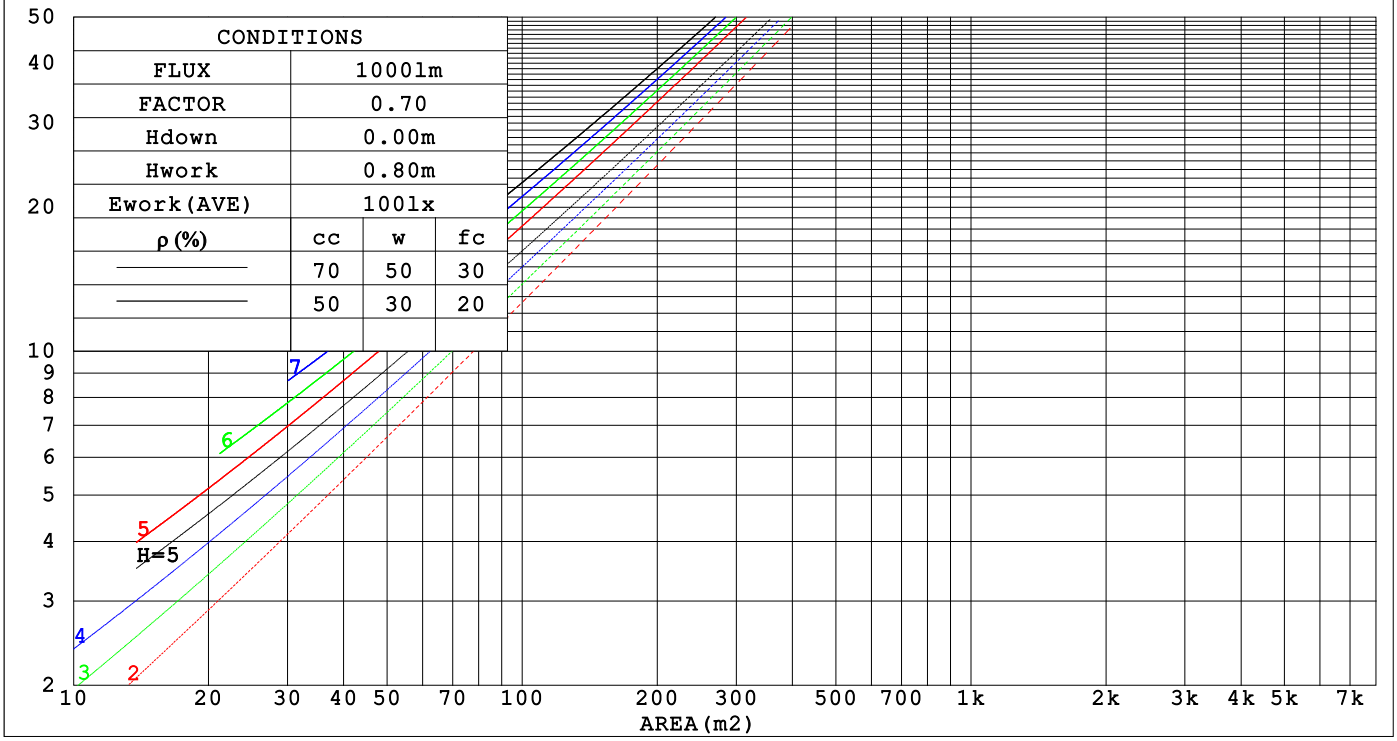
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D 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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.94	1.00	.97	.93	.97	.94	.91	.94	.92	.89	.91	.89	.87	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.79	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.73	.82	.76	.72	.80	.75	.72	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.67	.77	.71	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.72	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.68	.63	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.65	.59	.55	.64	.58	.55	.63	.58	.55	.62	.58	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.60	.55	.51	.59	.54	.51	.50

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-3000K RA90 60D WHITE

WEC AND CCEC

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D 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	.188	.107	.034	.182	.104	.033	.169	.097	.031	.157	.091	.029	.147	.085	.027	
2.0	.179	.098	.030	.173	.096	.029	.163	.091	.028	.153	.086	.027	.144	.081	.026	
3.0	.170	.090	.027	.165	.088	.027	.156	.084	.026	.147	.081	.025	.139	.077	.024	
4.0	.161	.083	.025	.156	.082	.024	.149	.079	.024	.141	.076	.023	.134	.073	.022	
5.0	.152	.078	.023	.149	.076	.022	.142	.074	.022	.135	.071	.021	.129	.069	.021	
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.019	
7.0	.138	.068	.019	.135	.067	.019	.130	.066	.019	.125	.064	.019	.120	.062	.018	
8.0	.132	.064	.018	.129	.064	.018	.125	.062	.018	.120	.061	.018	.116	.059	.017	
9.0	.126	.061	.017	.124	.060	.017	.120	.059	.017	.115	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.135	.114	.097	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.088	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.072	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.071	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.041	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-3000K RA90 60D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D 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	23.0	24.0	23.3	24.2	24.4	22.7	23.7	22.9	23.9	24.0
	3H	23.3	24.2	23.5	24.4	24.6	22.9	23.8	23.2	24.0	24.3
	4H	23.4	24.3	23.7	24.5	24.7	23.1	23.9	23.3	24.1	24.4
	6H	23.5	24.3	23.8	24.6	24.8	23.2	24.0	23.5	24.2	24.5
	8H	23.6	24.4	23.9	24.6	24.9	23.2	24.0	23.5	24.2	24.5
	12H	23.6	24.3	23.9	24.6	24.9	23.2	23.9	23.5	24.2	24.5
4H	2H	23.0	23.8	23.2	24.0	24.3	22.7	23.5	22.9	23.7	24.0
	3H	23.3	24.1	23.7	24.4	24.6	23.0	23.8	23.4	24.0	24.3
	4H	23.6	24.3	23.9	24.6	24.9	23.3	23.9	23.6	24.2	24.5
	6H	23.8	24.4	24.2	24.7	25.1	23.4	24.0	23.8	24.4	24.7
	8H	23.9	24.4	24.3	24.8	25.2	23.5	24.0	23.9	24.4	24.8
	12H	24.0	24.5	24.4	24.8	25.2	23.5	24.0	23.9	24.4	24.8
8H	4H	23.6	24.2	24.0	24.5	24.9	23.3	23.8	23.7	24.2	24.6
	6H	23.9	24.4	24.4	24.8	25.2	23.6	24.0	24.0	24.4	24.8
	8H	24.1	24.5	24.5	24.9	25.3	23.7	24.1	24.1	24.5	24.9
	12H	24.2	24.5	24.6	25.0	25.4	23.7	24.1	24.2	24.5	25.0
12H	4H	23.6	24.1	24.0	24.5	24.9	23.3	23.8	23.7	24.2	24.5
	6H	23.9	24.3	24.4	24.8	25.2	23.6	24.0	24.0	24.4	24.8
	8H	24.1	24.4	24.6	24.9	25.3	23.7	24.0	24.2	24.5	25.0

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 2.0 / - 1.9	+ 1.5 / - 1.8
1.5H	+ 3.7 / - 2.0	+ 3.1 / - 1.9
2.0H	+ 2.4 / - 0.7	+ 1.9 / - 0.6

CIE Pub.117, 1360 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.1)
Area: 0.0023 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-3000K RA90 60D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D 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	85	79	75	85	79	75	84	78	74	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	87	95	91	87	83
1.25	102	96	92	101	96	92	99	94	91	87
1.50	105	100	96	103	99	95	101	97	94	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
4.00	113	110	108	111	109	106	108	105	104	97
5.00	115	112	110	112	110	109	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

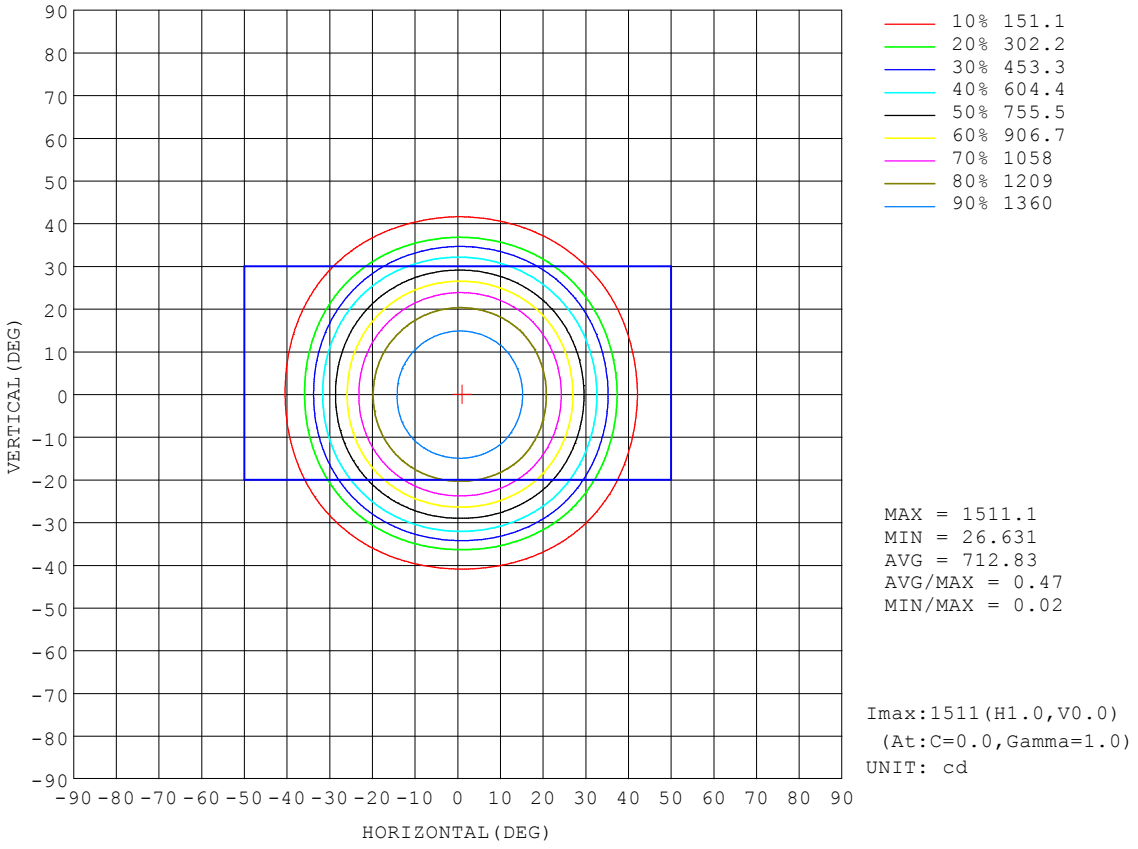
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2023-11-22

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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-10X2501-3000K RA90 60D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D 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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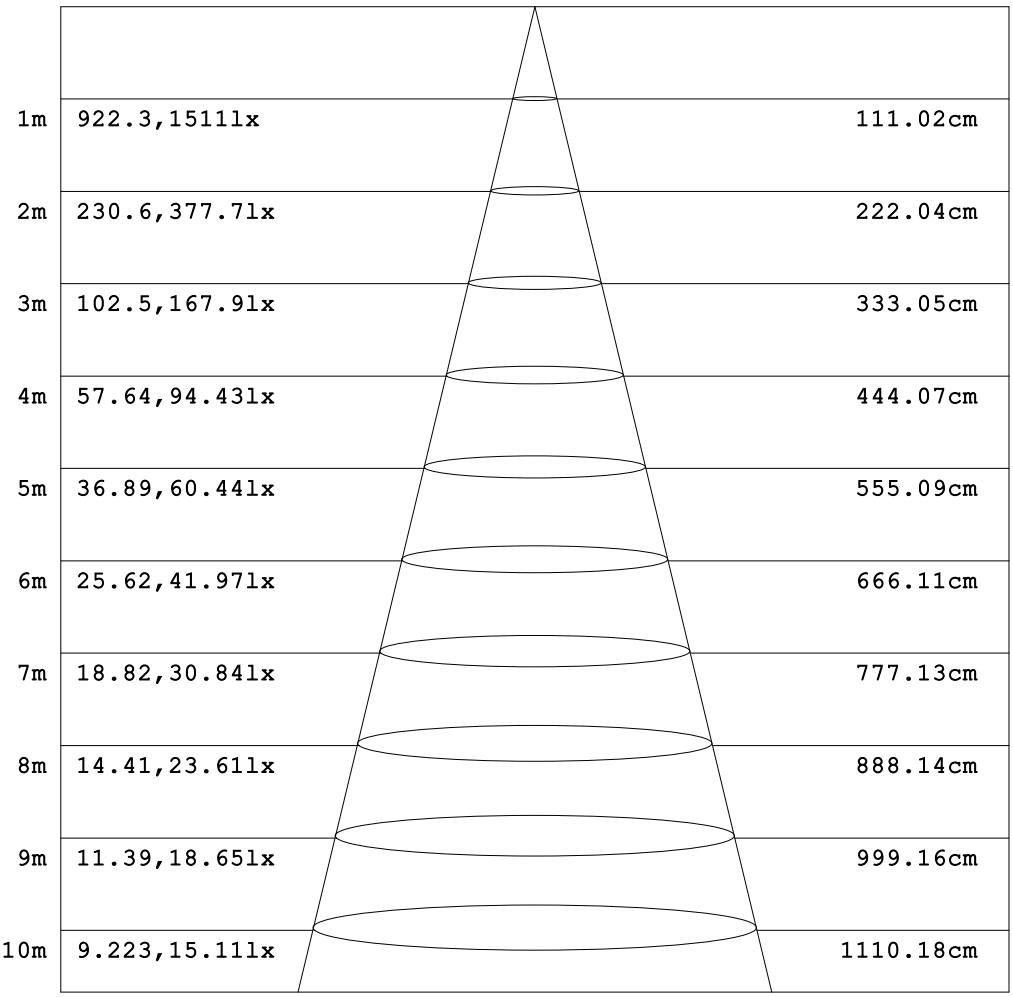
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-3000K RA90 60D WHITE

AAI Figure

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:965.8 lm



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

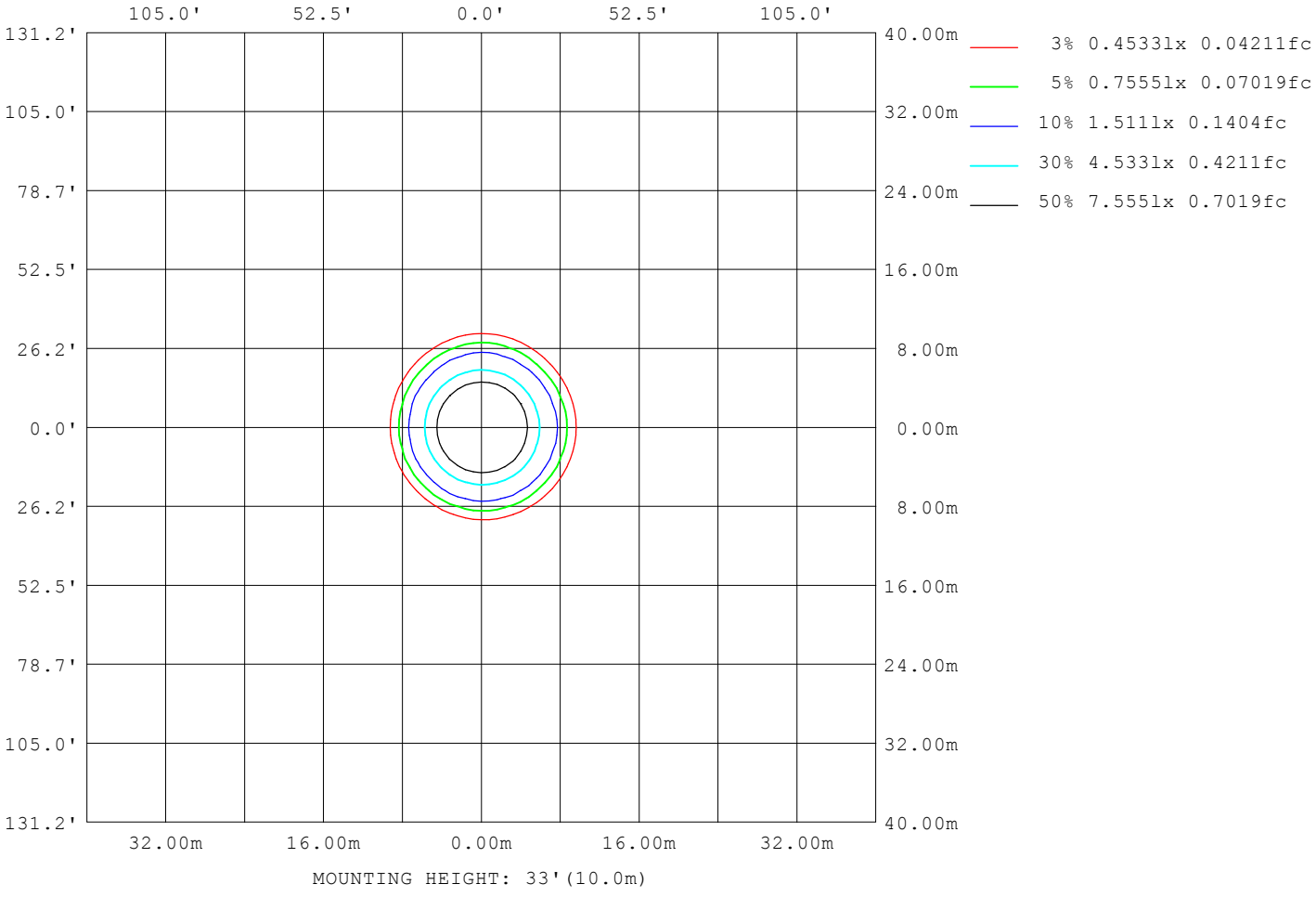
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-3000K RA90 60D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz **UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm**		
NAME: HCP-10X2501-3000K RA90 60D 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:2023-11-22

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:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

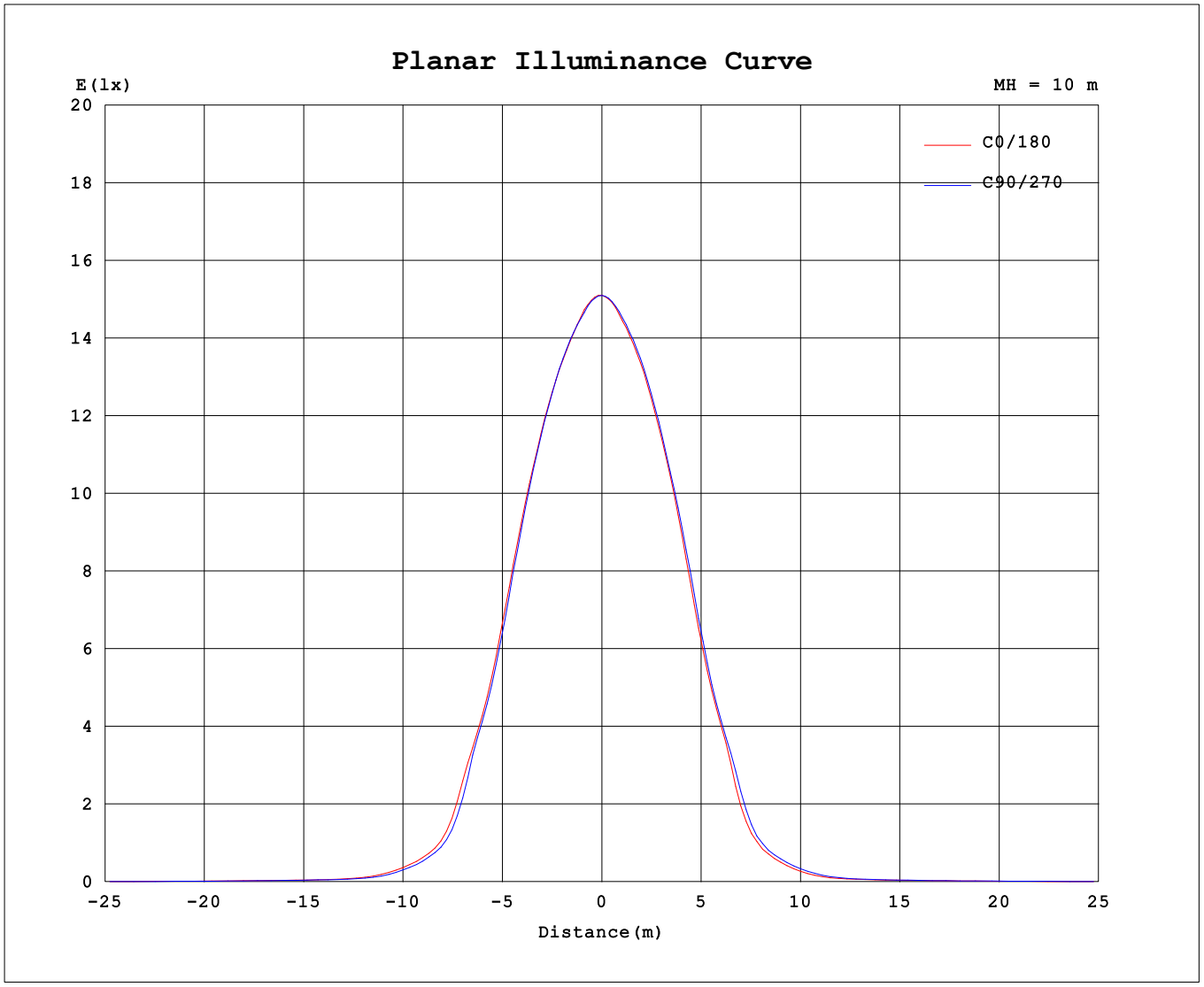
AvgL	cd/m2
L_0~180(65)av	22661
L_0~180(75)av	20781
L_0~180(85)av	15569
L_90~270(65)av	22666
L_90~270(75)av	20862
L_90~270(85)av	15758
L_45(65)av	22691
L_45(75)av	20842
L_45(85)av	15625

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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:2023-11-22

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-10X2501-3000K RA90 60D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0783A P:18.3W PF:0.9713 Freq:49.99Hz UTHDi:0.36% ITHDi:10.90% KDisp:0.9802 Lamp Flux:1359.55x1 lm		
NAME: HCP-10X2501-3000K RA90 60D 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	1510	1510	1510	1510	1510	1510	1510	1510
5	1490	1489	1484	1483	1477	1481	1486	1488
10	1434	1439	1438	1437	1425	1431	1437	1438
15	1363	1367	1360	1356	1341	1346	1356	1365
20	1234	1244	1221	1214	1201	1201	1219	1234
25	1019	1021	989	975	957	965	995	1015
30	732	736	706	691	687	695	708	720
35	473	453	394	362	356	385	424	445
40	194	182	169	158	159	168	181	179
45	104	95.6	86.9	77.0	77.5	85.4	96.4	96.9
50	45.5	42.3	37.3	34.6	34.4	36.5	41.9	44.3
55	29.9	29.4	27.6	26.7	26.8	27.7	29.1	29.7
60	26.4	26.0	24.8	24.1	24.3	25.2	25.9	26.4
65	23.2	22.5	21.3	20.7	20.8	21.8	22.8	23.2
70	18.3	17.7	16.6	16.0	16.3	17.2	18.2	18.5
75	13.2	12.6	11.7	11.3	11.5	12.3	13.2	13.5
80	8.29	7.73	6.99	6.65	6.85	7.50	8.24	8.48
85	3.71	3.28	2.71	2.43	2.53	3.00	3.61	3.81
90	0.07	0.06	0.08	0.07	0.08	0.07	0.07	0.06

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-3000K RA90 60D 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	1510	1510	1510	1510	1510	1510	1510	1510
3.0	1503	1504	1502	1499	1497	1496	1501	1502
6.0	1478	1478	1475	1474	1467	1471	1476	1480
9.0	1445	1450	1448	1446	1437	1442	1448	1449
12.0	1410	1415	1412	1410	1399	1403	1410	1414
15.0	1363	1367	1360	1356	1341	1346	1356	1365
18.0	1293	1299	1286	1278	1268	1268	1281	1294
21.0	1200	1209	1185	1176	1160	1163	1183	1201
24.0	1070	1075	1047	1033	1013	1022	1048	1071
27.0	905.5	905.3	872.1	859.0	842.6	855.6	876.0	902.7
30.0	732.4	736.4	705.8	691.0	687.1	695.1	708.4	719.7
33.0	585.2	583.6	553.8	529.1	515.9	537.4	561.7	563.8
36.0	392.8	375.4	323.7	298.5	293.4	317.1	350.9	366.3
39.0	224.8	216.4	191.1	179.7	180.1	190.4	211.0	206.2
42.0	152.9	141.3	131.4	120.8	123.2	130.8	144.1	140.9
45.0	104.4	95.58	86.87	77.01	77.49	85.38	96.36	96.88
48.0	65.36	58.91	50.03	44.83	44.25	48.15	58.37	62.58
51.0	39.35	37.92	33.32	31.72	31.46	33.25	37.26	38.33
54.0	31.24	30.54	28.39	27.43	27.46	28.63	30.20	30.97
57.0	28.11	27.63	26.33	25.59	25.79	26.61	27.55	27.97
60.0	26.44	25.99	24.84	24.08	24.29	25.15	25.92	26.38
63.0	24.73	24.23	23.04	22.30	22.50	23.50	24.30	24.73
66.0	22.25	21.59	20.40	19.73	19.99	20.91	21.88	22.32
69.0	19.35	18.71	17.55	16.98	17.22	18.13	19.14	19.51
72.0	16.32	15.67	14.60	14.12	14.37	15.20	16.18	16.51
75.0	13.24	12.62	11.67	11.27	11.50	12.28	13.17	13.46
78.0	10.24	9.655	8.824	8.461	8.674	9.399	10.18	10.45
81.0	7.330	6.801	6.093	5.776	5.962	6.572	7.267	7.510
84.0	4.578	4.132	3.527	3.249	3.379	3.889	4.504	4.716
87.0	2.020	1.639	1.114	0.8084	0.8340	1.238	1.827	2.050
90.0	0.0697	0.0633	0.0781	0.0669	0.0771	0.0742	0.0707	0.0646

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