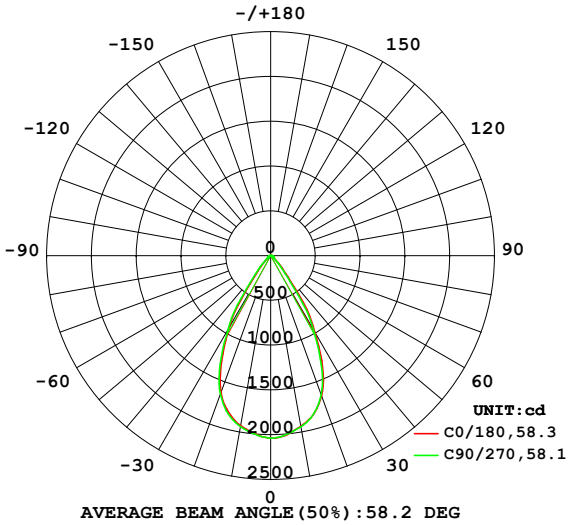
Photometric Filename: HCP-10X2501-4000K RA90 60D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

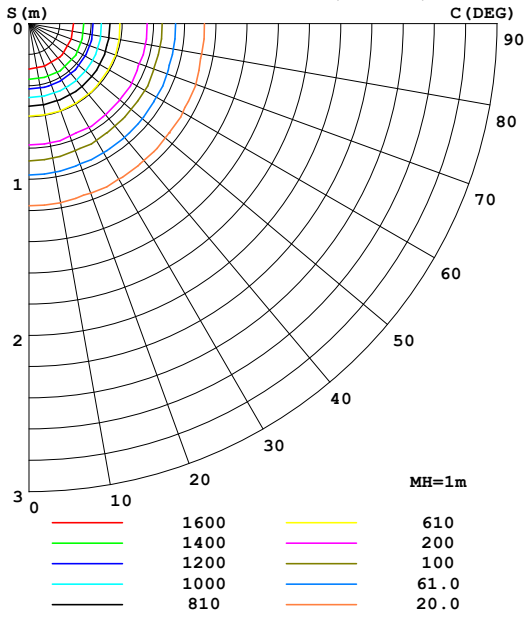
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 75.18 lm/W	
MODEL		Imax(cd)	2037	S/MH(C0/180)	0.87
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1840.7	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	1840.66	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.15	η down(%)	100.0	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):58.2 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	1935	1944	1942	1941	1927	1932	1939	1942	0- 10	189.2	189.2	10.3,10.3
20	1665	1684	1653	1641	1626	1625	1645	1662	10- 20	511.5	700.6	38.1,38.1
30	989.9	997.6	957.8	941.6	932.0	935.0	955.3	974.0	20- 30	604.7	1305	70.9,70.9
40	264.0	245.8	229.6	220.4	219.2	227.6	245.9	246.7	30- 40	348.5	1654	89.9,89.9
50	62.16	58.04	51.25	47.53	47.31	50.15	57.33	60.41	40- 50	98.72	1753	95.2,95.2
60	35.99	35.23	33.73	32.93	33.15	34.10	35.25	35.97	50- 60	36.04	1789	97.2,97.2
70	24.95	23.96	22.54	21.95	22.24	23.24	24.65	25.27	60- 70	29.37	1818	98.8,98.8
80	11.21	10.48	9.512	9.135	9.385	10.15	11.16	11.50	70- 80	17.82	1836	99.7,99.7
90	0.0966	0.0889	0.1088	0.1004	0.1078	0.1008	0.0985	0.0916	80- 90	4.847	1841	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): 1718.9 lm

%lum = 93.4%
%lamp = 93.4%

Conical surface Flux(120deg): 1788.6 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:

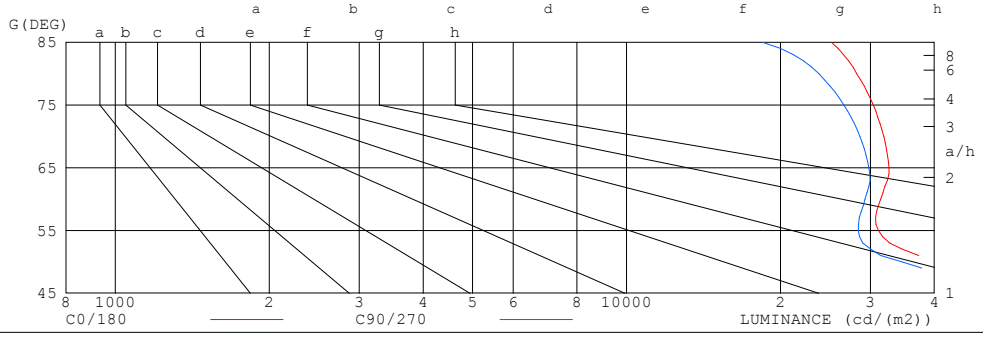
Photometric Filename: HCP-10X2501-4000K RA90 60D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz **UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm**		
NAME: HCP-10X2501-4000K 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	25143	18462
80	28196	23783
75	30392	26615
70	31855	28618
65	32617	29782
60	31439	29289
55	31083	28382
50	42236	34615
45	88185	72261

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-10X2501-4000K RA90 60D WHITE

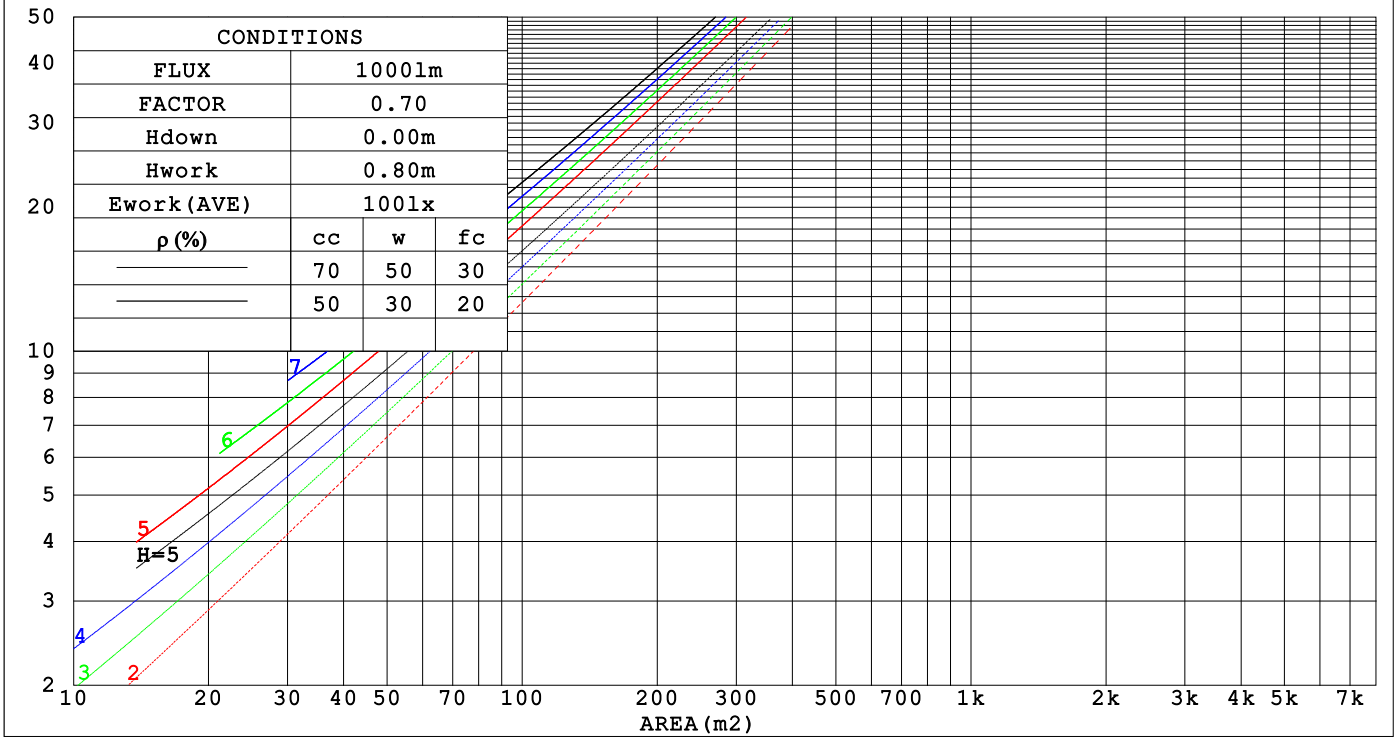
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K 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	.72	.82	.76	.72	.80	.75	.71	.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	.62	.71	.66	.62	.70	.65	.62	.69	.65	.61	.60
8.0	.69	.63	.59	.68	.63	.58	.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	.55	.52	.60	.55	.52	.59	.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-10X2501-4000K RA90 60D WHITE

WEC AND CCEC

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K 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	.189	.107	.034	.182	.104	.033	.169	.097	.031	.158	.091	.029	.147	.085	.027	
2.0	.179	.098	.030	.174	.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	.140	.077	.024	
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.141	.076	.023	.135	.073	.022	
5.0	.153	.078	.023	.149	.076	.022	.142	.074	.022	.136	.072	.021	.130	.069	.021	
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.020	
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	.116	.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	.096	.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	.071	.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	.113	.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:

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K 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	24.1	25.1	24.3	25.3	25.4	23.8	24.8	24.0	24.9	25.1
	3H	24.4	25.3	24.6	25.5	25.7	24.0	24.9	24.3	25.1	25.3
	4H	24.5	25.4	24.8	25.6	25.8	24.1	25.0	24.4	25.2	25.4
	6H	24.6	25.4	24.9	25.7	25.9	24.2	25.0	24.5	25.3	25.5
	8H	24.7	25.4	25.0	25.7	26.0	24.3	25.0	24.6	25.3	25.5
	12H	24.7	25.4	25.0	25.7	26.0	24.2	25.0	24.6	25.3	25.5
4H	2H	24.0	24.9	24.3	25.1	25.3	23.7	24.6	24.0	24.8	25.0
	3H	24.4	25.2	24.8	25.4	25.7	24.1	24.8	24.4	25.1	25.4
	4H	24.7	25.3	25.0	25.6	26.0	24.3	25.0	24.7	25.3	25.6
	6H	24.9	25.5	25.3	25.8	26.2	24.5	25.1	24.9	25.4	25.8
	8H	25.0	25.5	25.4	25.9	26.3	24.6	25.1	25.0	25.5	25.8
	12H	25.0	25.5	25.4	25.9	26.3	24.6	25.1	25.0	25.5	25.9
8H	4H	24.7	25.3	25.1	25.6	26.0	24.4	24.9	24.8	25.3	25.6
	6H	25.0	25.5	25.4	25.9	26.3	24.6	25.1	25.1	25.5	25.9
	8H	25.2	25.6	25.6	26.0	26.4	24.7	25.1	25.2	25.6	26.0
	12H	25.3	25.6	25.7	26.0	26.5	24.8	25.2	25.3	25.6	26.1
12H	4H	24.7	25.2	25.1	25.6	25.9	24.4	24.9	24.8	25.2	25.6
	6H	25.0	25.4	25.5	25.8	26.3	24.6	25.0	25.1	25.5	25.9
	8H	25.2	25.5	25.6	26.0	26.4	24.8	25.1	25.2	25.6	26.0

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 2.0 / - 1.9	+ 1.6 / - 1.8
1.5H	+ 3.7 / - 1.9	+ 3.2 / - 1.9
2.0H	+ 2.4 / - 0.7	+ 1.9 / - 0.6

CIE Pub.117, 1841 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.1)
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-10X2501-4000K RA90 60D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K 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	78	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	99	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	107	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	

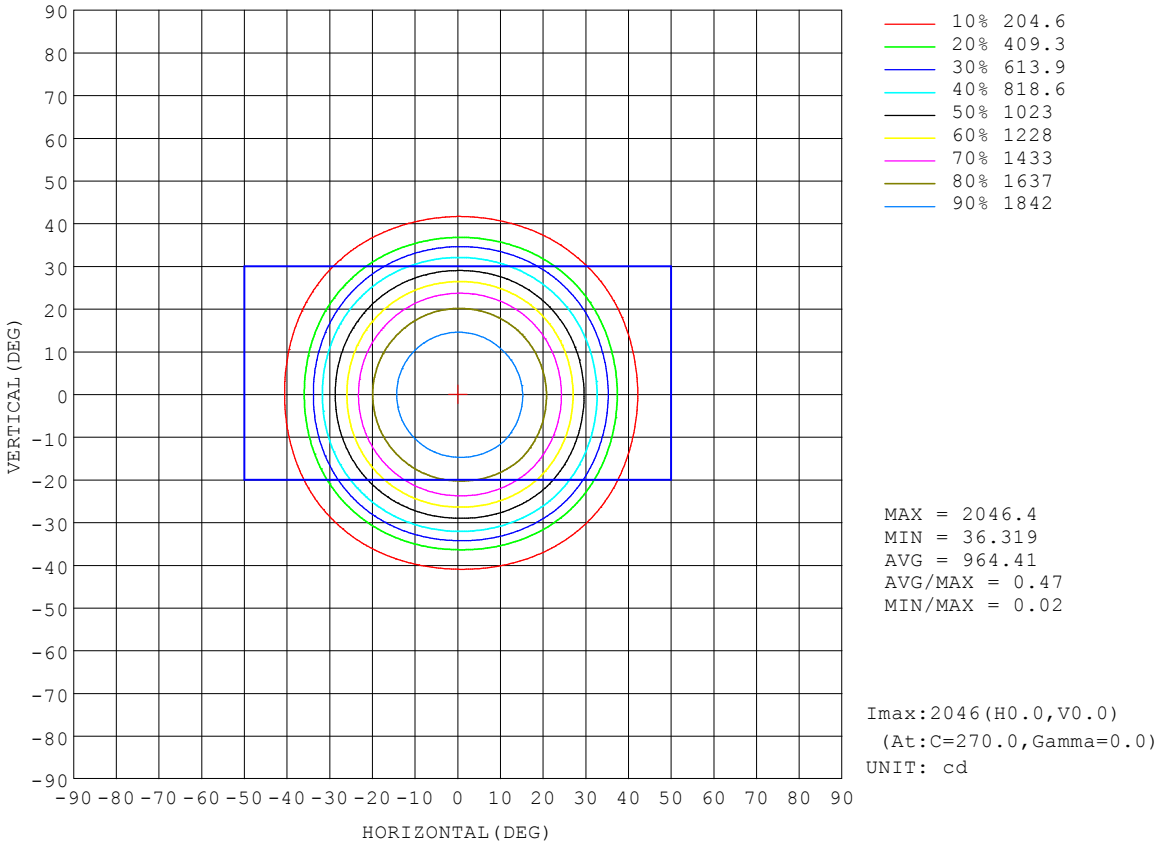
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-4000K RA90 60D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:



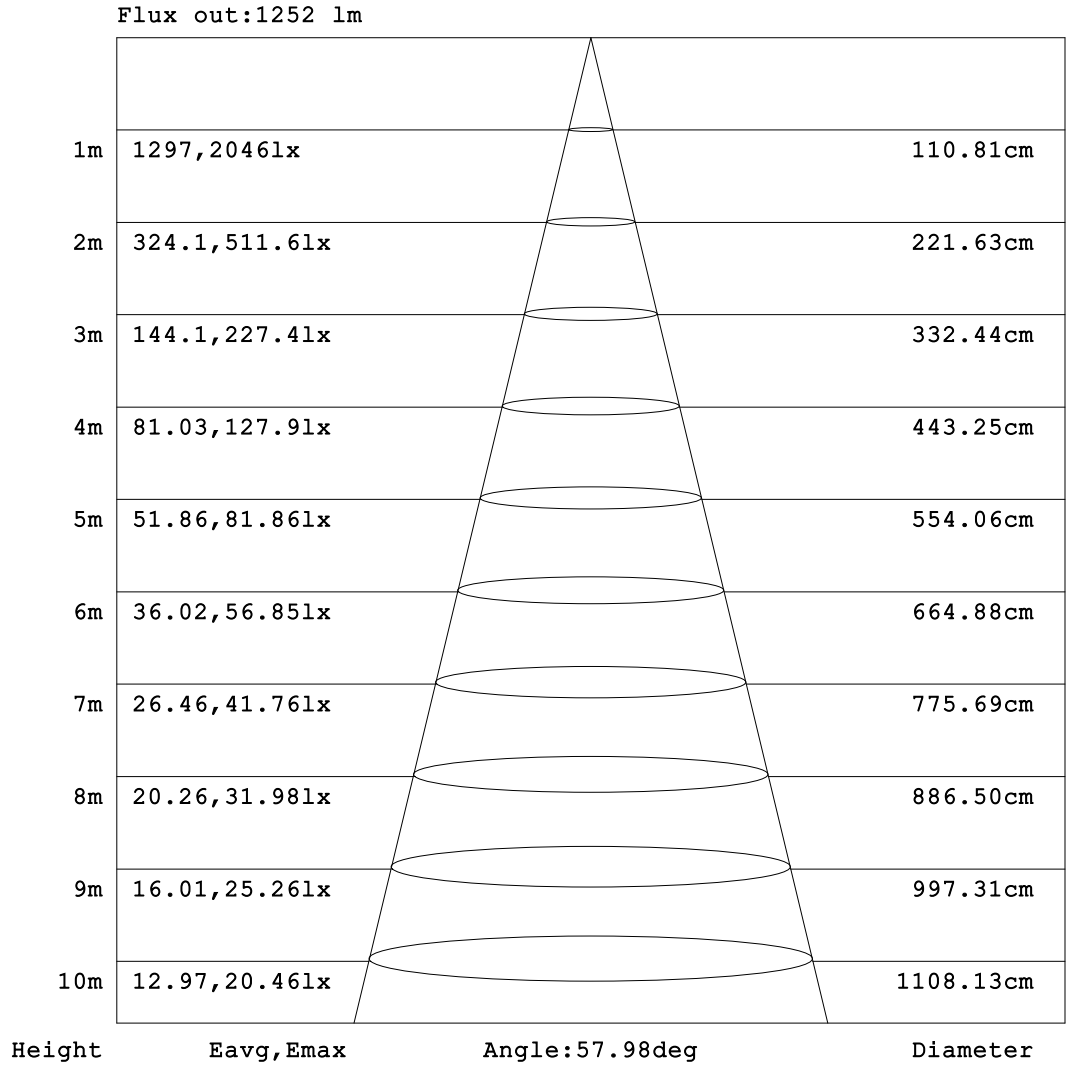
C Range: 0 - 360DEG
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Test Speed: HIGH
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Test Date:2023-11-22

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-10X2501-4000K RA90 60D WHITE

AAI Figure

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K RA90 60D 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.

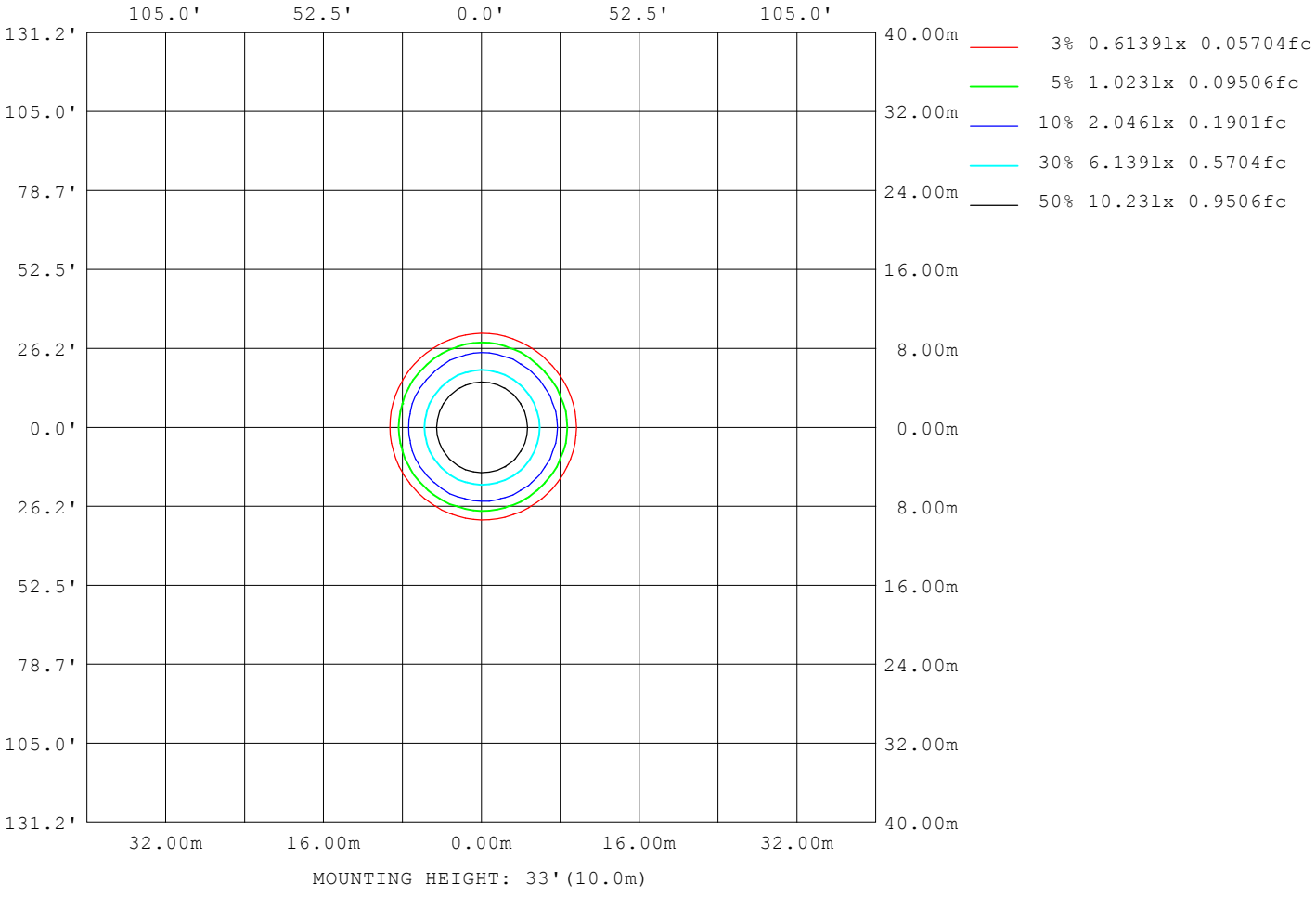
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-4000K RA90 60D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K 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:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

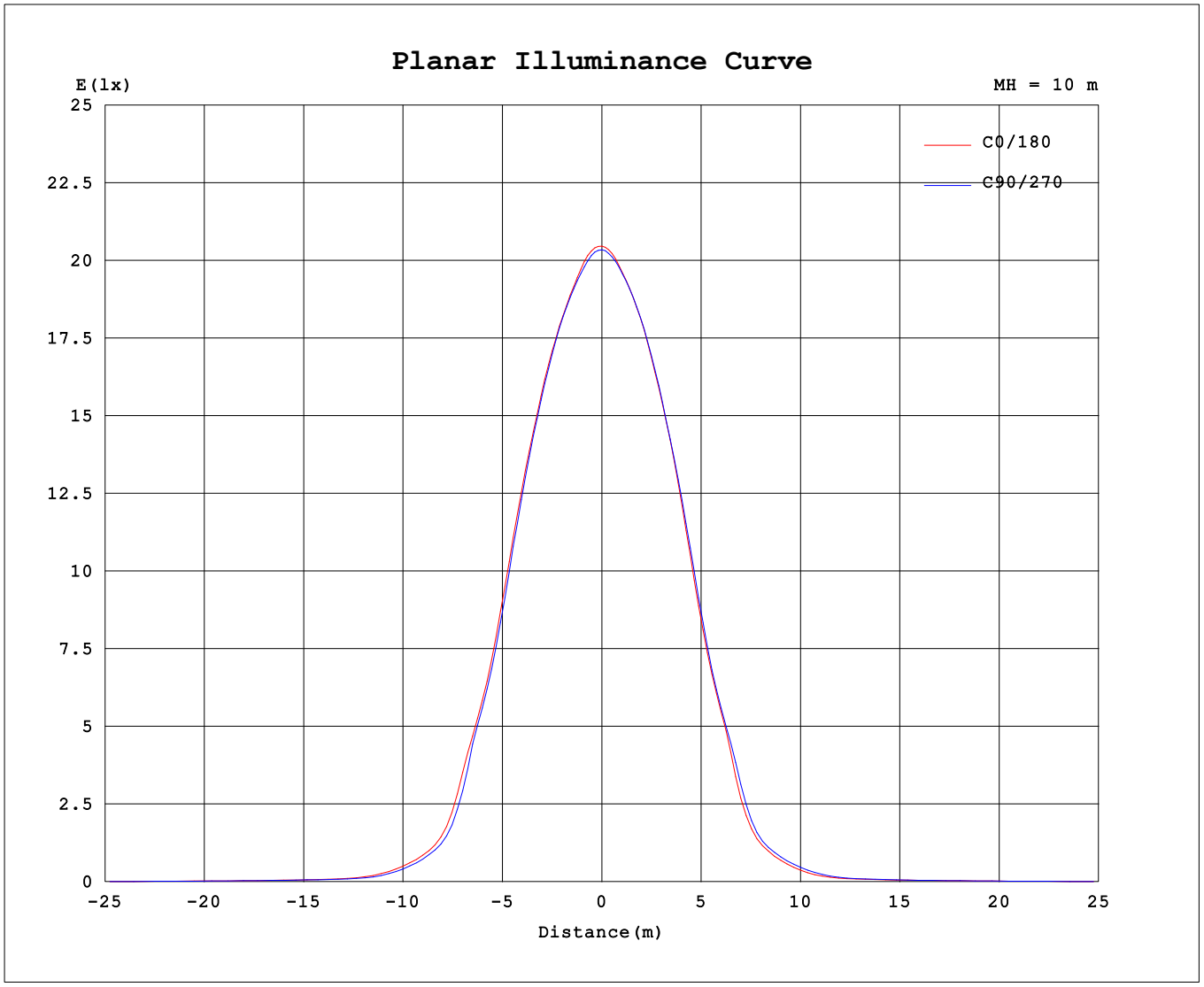
AvgL	cd/m2
L_0~180(65)av	30879
L_0~180(75)av	28330
L_0~180(85)av	21207
L_90~270(65)av	30834
L_90~270(75)av	28337
L_90~270(85)av	21427
L_45(65)av	30863
L_45(75)av	28338
L_45(85)av	21265

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-10X2501-4000K RA90 60D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1039A P:24.5W PF:0.9806 Freq:49.99Hz UTHDi:0.49% ITHDi:7.61% KDisp:0.9875 Lamp Flux:1840.66x1 lm		
NAME: HCP-10X2501-4000K 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	2037	2037	2037	2037	2037	2037	2037	2037
5	2011	2009	2005	2003	1997	1997	2003	2010
10	1935	1944	1942	1941	1927	1932	1939	1942
15	1840	1849	1837	1832	1813	1821	1832	1840
20	1665	1684	1653	1641	1626	1625	1645	1662
25	1377	1386	1341	1319	1298	1305	1342	1368
30	990	998	958	942	932	935	955	974
35	641	608	536	504	488	511	572	610
40	264	246	230	220	219	228	246	247
45	143	131	118	106	107	115	132	133
50	62.2	58.0	51.2	47.5	47.3	50.1	57.3	60.4
55	40.8	39.9	37.5	36.6	36.6	37.6	39.6	40.5
60	36.0	35.2	33.7	32.9	33.2	34.1	35.2	36.0
65	31.6	30.5	29.0	28.2	28.5	29.5	31.0	31.7
70	24.9	24.0	22.5	21.9	22.2	23.2	24.7	25.3
75	18.0	17.1	15.9	15.4	15.7	16.6	17.9	18.3
80	11.2	10.5	9.51	9.13	9.39	10.2	11.2	11.5
85	5.02	4.46	3.71	3.35	3.48	4.07	4.88	5.17
90	0.10	0.09	0.11	0.10	0.11	0.10	0.10	0.09

C Range: 0 - 360DEG
C Interval: 45.0DEG
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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-10X2501-4000K 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	2037	2037	2037	2037	2037	2037	2037	2037
3.0	2030	2029	2027	2025	2022	2019	2022	2029
6.0	1996	1996	1994	1992	1983	1985	1991	1998
9.0	1951	1957	1955	1955	1942	1947	1954	1956
12.0	1903	1913	1907	1905	1890	1894	1904	1906
15.0	1840	1849	1837	1832	1813	1821	1832	1840
18.0	1744	1761	1738	1727	1715	1717	1728	1741
21.0	1621	1637	1604	1590	1572	1572	1595	1617
24.0	1447	1458	1419	1397	1374	1381	1412	1442
27.0	1225	1229	1182	1165	1141	1154	1182	1217
30.0	989.9	997.6	957.8	941.6	932.0	935.0	955.3	974.0
33.0	794.0	786.6	754.3	726.6	702.8	719.1	758.0	768.6
36.0	532.9	501.4	441.6	416.0	402.1	421.0	472.3	504.6
39.0	306.5	283.5	260.3	248.3	246.3	256.4	278.4	285.5
42.0	208.5	192.4	179.7	168.1	168.8	177.5	196.3	194.6
45.0	142.8	130.7	117.7	106.1	106.8	115.4	131.8	133.2
48.0	89.46	81.06	69.05	61.52	61.22	66.40	79.82	84.47
51.0	53.77	51.80	45.53	43.50	43.18	45.43	50.90	52.35
54.0	42.65	41.47	38.67	37.54	37.54	38.90	41.16	42.31
57.0	38.27	37.49	35.79	34.98	35.20	36.08	37.46	38.14
60.0	35.99	35.23	33.73	32.93	33.15	34.10	35.25	35.97
63.0	33.67	32.83	31.33	30.50	30.72	31.81	33.01	33.72
66.0	30.27	29.22	27.74	27.04	27.27	28.33	29.75	30.45
69.0	26.30	25.29	23.86	23.24	23.52	24.54	25.96	26.60
72.0	22.18	21.20	19.86	19.34	19.64	20.60	21.95	22.51
75.0	18.01	17.10	15.87	15.43	15.72	16.61	17.87	18.34
78.0	13.89	13.08	11.98	11.61	11.87	12.68	13.82	14.20
81.0	9.940	9.223	8.306	7.931	8.161	8.904	9.859	10.21
84.0	6.205	5.606	4.820	4.467	4.644	5.266	6.099	6.402
87.0	2.719	2.230	1.541	1.133	1.172	1.682	2.455	2.765
90.0	0.0966	0.0889	0.1088	0.1004	0.1078	0.1008	0.0985	0.0916

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