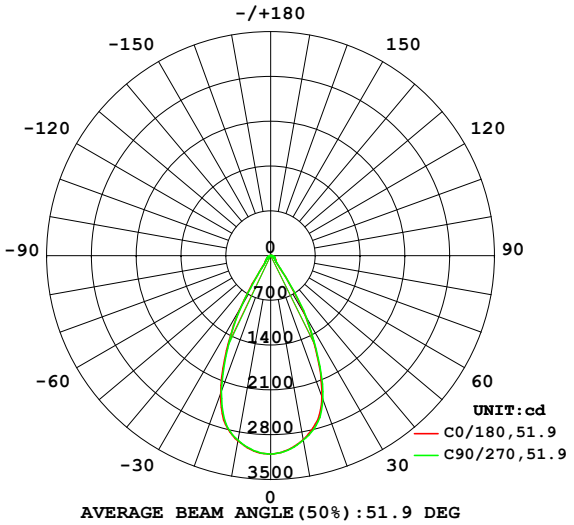
Photometric Filename: HCP-10X2701-4000K RA90 60D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

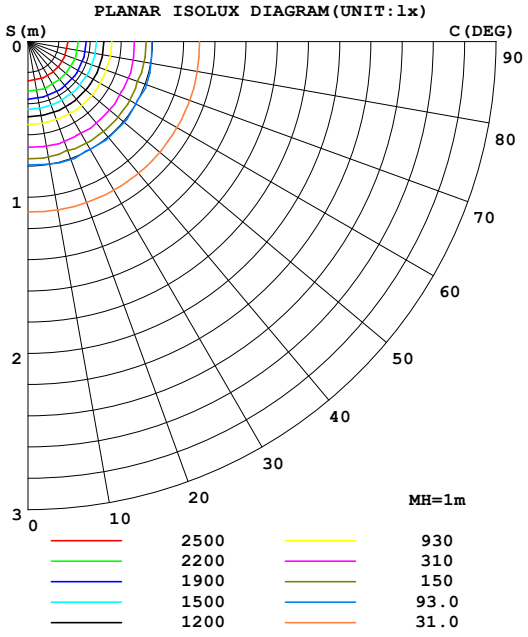
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 82.72 lm/W	
MODEL		Imax(cd)	3100	S/MH(C0/180)	0.78
NOMINAL POWER(W)	29	LOR(%)	100.0	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2305.0	η UP,DN(C0-180)	0.0,51.6
NOMINAL FLUX(lm)	2304.99	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.25	η down(%)	100.0	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):51.9 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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	2922	2929	2932	2940	2940	2938	2934	2928	0- 10	287.8	287.8	12.5,12.5
20	2349	2358	2387	2358	2294	2232	2255	2304	10- 20	753.6	1041	45.2,45.2
30	1093	1137	1129	1077	980.0	910.5	929.0	1010	20- 30	759.4	1801	78.1,78.1
40	143.2	149.8	151.0	146.7	140.8	137.7	134.6	137.6	30- 40	268.0	2069	89.8,89.8
50	87.36	90.15	89.67	88.92	87.13	84.35	83.50	84.40	40- 50	86.02	2155	93.5,93.5
60	59.43	61.28	61.66	61.73	60.43	58.65	58.03	58.16	50- 60	64.34	2219	96.3,96.3
70	39.70	41.29	41.19	39.93	37.60	35.71	35.85	37.31	60- 70	49.39	2269	98.4,98.4
80	17.75	19.09	18.57	16.99	15.07	13.85	14.35	15.71	70- 80	28.77	2297	99.7,99.7
90	0.1492	0.1336	0.1494	0.1344	0.1592	0.1651	0.1726	0.1563	80- 90	7.698	2305	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): 2114.9 lm

%lum = 91.8%
%lamp = 91.8%

Conical surface Flux(130deg): 2246.1 lm

%lum = 97.4%
%lamp = 97.4%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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:

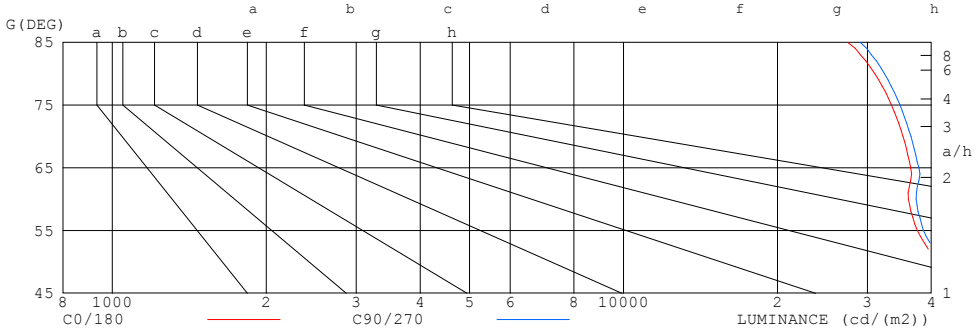
Photometric Filename: HCP-10X2701-4000K RA90 60D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz **UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm**		
NAME: HCP-10X2701-4000K RA90 60D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 65mm**	**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	27439	29038
80	31012	32401
75	33429	34737
70	35224	36478
65	36461	37841
60	36065	37356
55	37547	38596
50	41240	42259
45	47543	48900

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-4000K RA90 60D WHITE

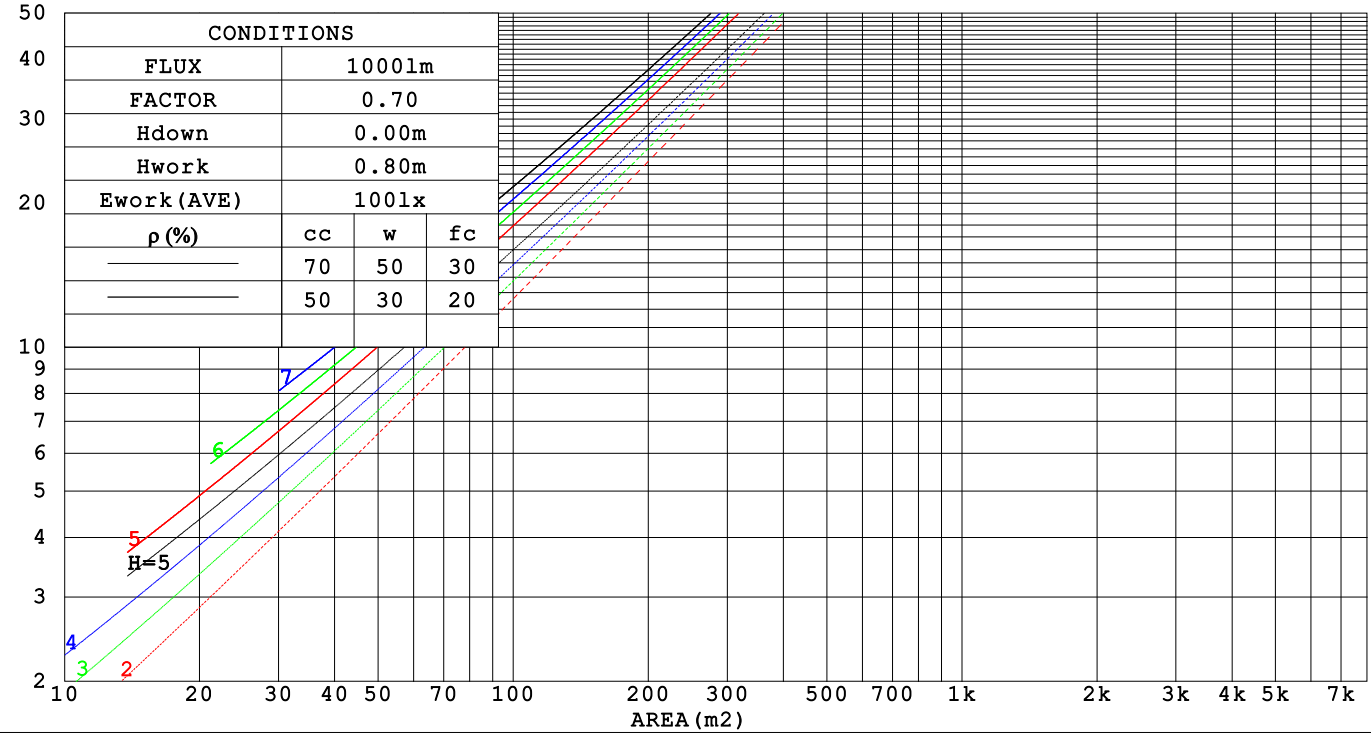
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.03	.98	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80
4.0	.90	.84	.80	.89	.83	.80	.86	.82	.79	.84	.81	.78	.83	.79	.77	.75
5.0	.84	.79	.74	.83	.78	.74	.82	.77	.73	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.74	.70	.79	.73	.69	.77	.72	.69	.76	.72	.68	.75	.71	.68	.66
7.0	.75	.69	.65	.75	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.71	.66	.62	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.60	.57	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-4000K RA90 60D WHITE

WEC AND CCEC

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	.186	.106	.033	.179	.102	.032	.166	.095	.030	.155	.089	.029	.144	.083	.027	
2.0	.175	.096	.029	.170	.093	.029	.159	.088	.027	.149	.084	.026	.140	.079	.025	
3.0	.165	.088	.026	.160	.086	.026	.151	.082	.025	.143	.078	.024	.135	.075	.023	
4.0	.155	.081	.024	.151	.079	.023	.143	.076	.023	.136	.073	.022	.129	.070	.021	
5.0	.147	.075	.022	.143	.074	.021	.136	.071	.021	.130	.069	.020	.124	.066	.020	
6.0	.139	.070	.020	.136	.069	.020	.130	.067	.019	.125	.065	.019	.119	.063	.019	
7.0	.132	.065	.019	.130	.065	.018	.124	.063	.018	.119	.061	.018	.115	.060	.018	
8.0	.126	.062	.017	.124	.061	.017	.119	.059	.017	.114	.058	.017	.110	.057	.017	
9.0	.120	.058	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016	
10.0	.115	.055	.015	.113	.055	.015	.109	.054	.015	.106	.053	.015	.103	.052	.015	

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	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.060	.107	.076	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.067	.043	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-4000K RA90 60D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	21.9	22.8	22.1	23.0	23.2	22.1	23.0	22.3	23.2	23.4
	3H	22.8	23.7	23.1	23.9	24.1	23.0	23.9	23.2	24.1	24.3
	4H	23.2	24.1	23.5	24.3	24.5	23.4	24.2	23.7	24.5	24.7
	6H	23.6	24.3	23.9	24.6	24.8	23.8	24.5	24.1	24.8	25.0
	8H	23.7	24.4	24.0	24.7	24.9	23.9	24.6	24.2	24.9	25.2
	12H	23.8	24.5	24.1	24.7	25.0	24.0	24.7	24.3	24.9	25.2
4H	2H	22.2	23.0	22.5	23.2	23.5	22.4	23.2	22.6	23.4	23.6
	3H	23.3	24.0	23.7	24.3	24.6	23.5	24.2	23.8	24.5	24.8
	4H	23.9	24.6	24.3	24.9	25.2	24.1	24.7	24.4	25.0	25.3
	6H	24.4	25.0	24.8	25.3	25.6	24.6	25.1	24.9	25.5	25.8
	8H	24.5	25.1	24.9	25.4	25.8	24.7	25.3	25.1	25.6	26.0
	12H	24.7	25.2	25.1	25.5	25.9	24.8	25.3	25.3	25.7	26.1
8H	4H	24.1	24.7	24.5	25.0	25.4	24.3	24.8	24.7	25.2	25.5
	6H	24.7	25.2	25.2	25.6	26.0	24.9	25.3	25.3	25.7	26.1
	8H	25.0	25.4	25.4	25.8	26.2	25.1	25.5	25.6	26.0	26.4
	12H	25.2	25.5	25.6	25.9	26.4	25.3	25.7	25.8	26.1	26.6
12H	4H	24.1	24.6	24.5	25.0	25.4	24.3	24.8	24.7	25.1	25.5
	6H	24.8	25.2	25.2	25.6	26.0	24.9	25.3	25.4	25.7	26.2
	8H	25.1	25.4	25.5	25.9	26.3	25.2	25.6	25.7	26.0	26.5

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.4 / - 0.4	+ 0.4 / - 0.4
1.5H	+ 0.7 / - 0.3	+ 0.8 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.3 / - 0.3

CIE Pub.117, 2305 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.9)
Area: 0.0033 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-4000K RA90 60D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	74	84	78	74	71
0.80	93	86	82	92	86	82	91	86	82	78
1.00	97	91	87	96	91	87	95	91	87	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	98	103	100	97	91
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

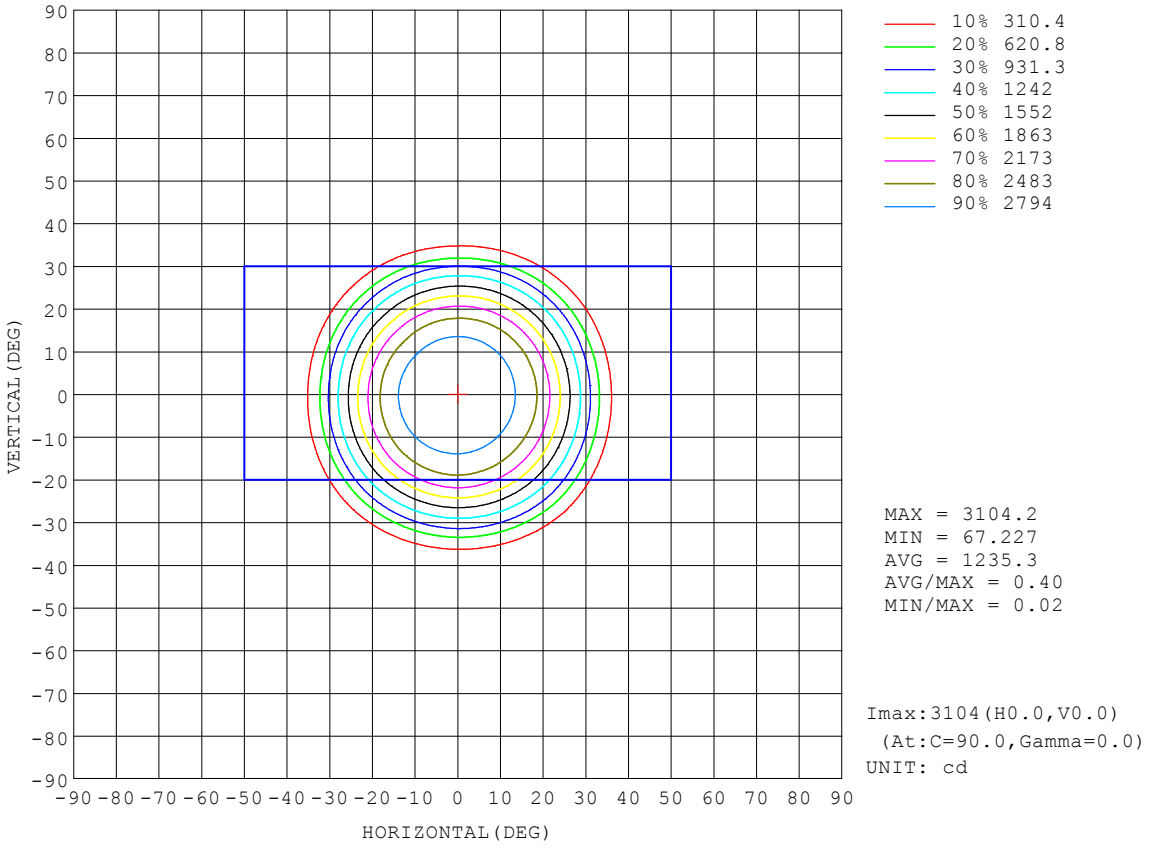
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-4000K RA90 60D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:



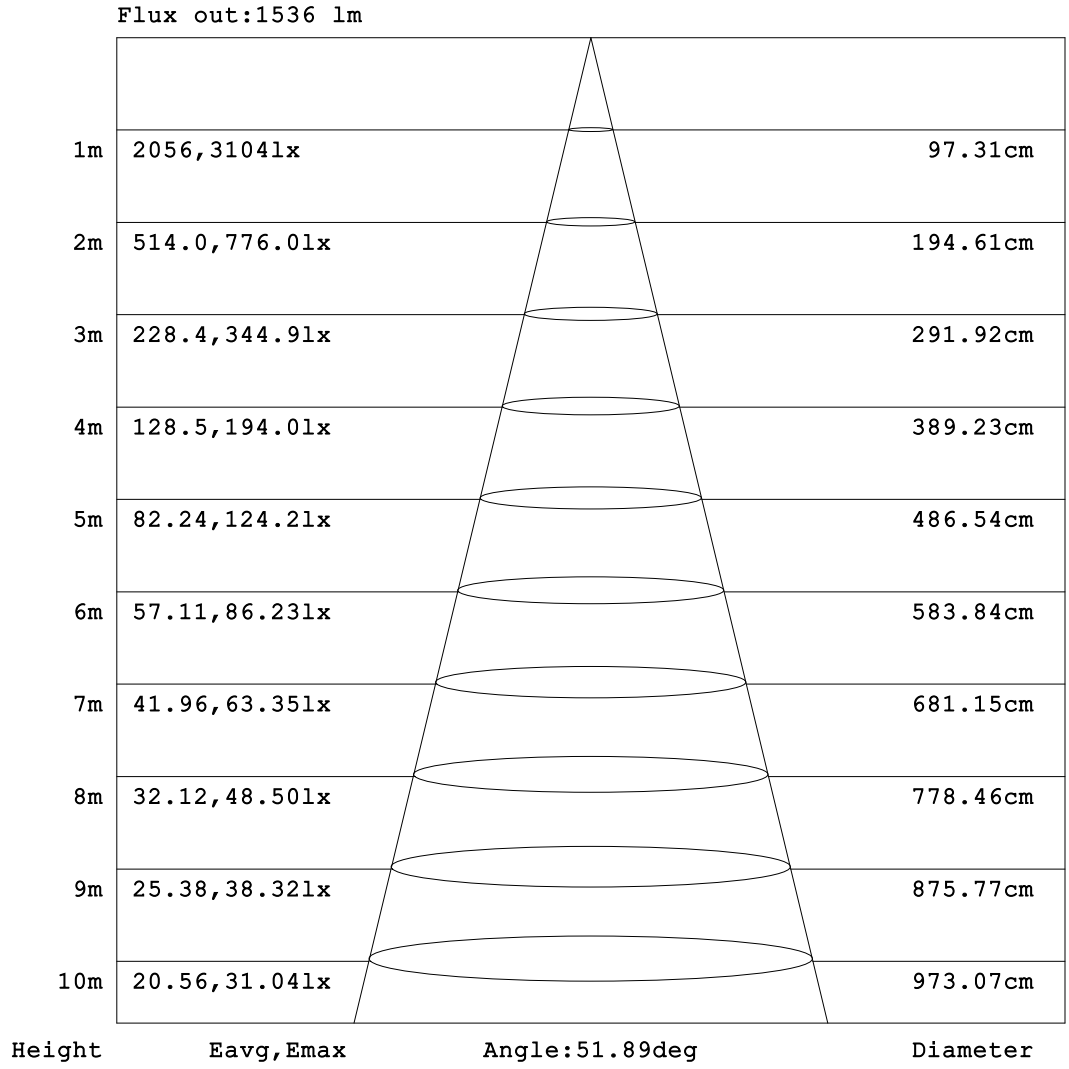
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Test Date:2023-11-15

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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-10X2701-4000K RA90 60D WHITE

AAI Figure

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:



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

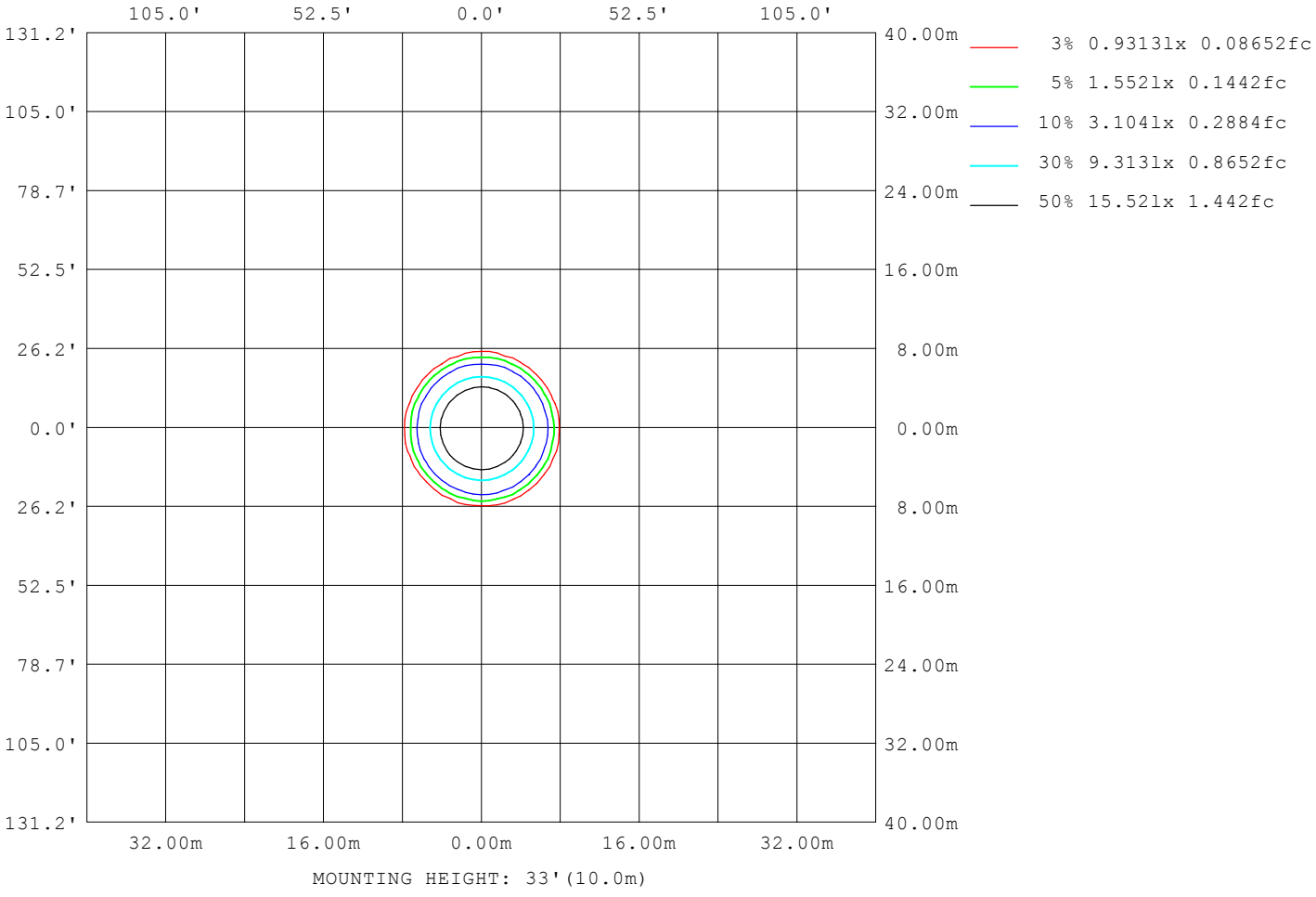
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-4000K RA90 60D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 65mm**	**Shielding Angle:**



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

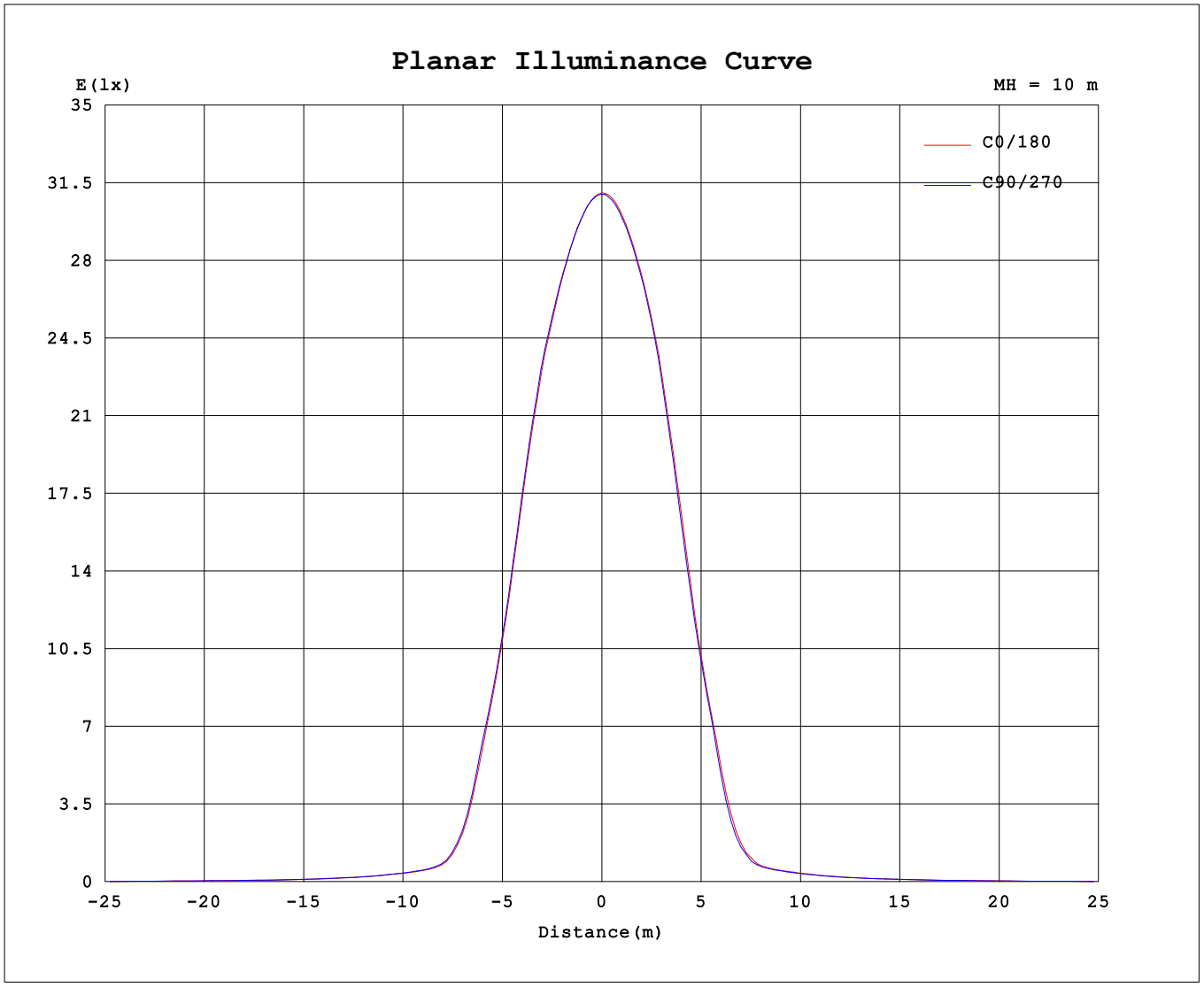
AvgL	cd/m2
L_0~180(65)av	36074
L_0~180(75)av	31835
L_0~180(85)av	23086
L_90~270(65)av	36002
L_90~270(75)av	31812
L_90~270(85)av	23362
L_45(65)av	36017
L_45(75)av	31806
L_45(85)av	23153

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2023-11-15

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:2023-11-15

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-10X2701-4000K RA90 60D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1170A P:27.9W PF:0.9910 Freq:49.99Hz UTHDi:0.25% ITHDi:5.46% KDisp:0.9949 Lamp Flux:2304.99x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	3100	3100	3100	3100	3100	3100	3100	3100
5	3049	3052	3054	3060	3064	3063	3057	3051
10	2922	2929	2932	2940	2940	2938	2934	2928
15	2721	2725	2748	2754	2732	2701	2716	2722
20	2349	2358	2387	2358	2294	2232	2255	2304
25	1724	1756	1761	1728	1636	1566	1595	1648
30	1093	1137	1129	1077	980	910	929	1010
35	402	452	429	380	322	290	290	329
40	143	150	151	147	141	138	135	138
45	111	114	114	114	112	107	108	108
50	87.4	90.1	89.7	88.9	87.1	84.3	83.5	84.4
55	71.0	72.6	73.1	73.0	71.9	69.8	69.0	69.2
60	59.4	61.3	61.7	61.7	60.4	58.6	58.0	58.2
65	50.8	52.5	52.8	52.0	49.8	47.8	47.6	48.7
70	39.7	41.3	41.2	39.9	37.6	35.7	35.9	37.3
75	28.5	30.1	29.7	28.1	25.9	24.3	24.7	26.2
80	17.7	19.1	18.6	17.0	15.1	13.9	14.3	15.7
85	7.88	8.83	8.35	6.94	5.40	4.60	5.08	6.26
90	0.15	0.13	0.15	0.13	0.16	0.17	0.17	0.16

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-10X2701-4000K 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	3100	3100	3100	3100	3100	3100	3100	3100
3.0	3081	3080	3084	3086	3090	3089	3086	3080
6.0	3028	3033	3035	3041	3045	3045	3037	3032
9.0	2953	2961	2960	2968	2971	2970	2964	2958
12.0	2852	2860	2868	2877	2872	2860	2863	2857
15.0	2721	2725	2748	2754	2732	2701	2716	2722
18.0	2527	2532	2563	2547	2497	2444	2468	2502
21.0	2244	2256	2276	2255	2171	2109	2126	2182
24.0	1862	1894	1899	1862	1779	1704	1727	1791
27.0	1462	1487	1497	1453	1365	1318	1336	1390
30.0	1093	1137	1129	1077	980.0	910.5	929.0	1010
33.0	649.0	713.0	690.1	612.9	523.6	474.3	471.1	541.4
36.0	311.5	348.6	334.7	295.0	249.7	229.6	235.8	257.3
39.0	159.8	173.1	170.8	161.7	150.7	147.1	143.5	148.5
42.0	126.1	129.9	130.5	130.2	127.4	124.1	122.1	122.7
45.0	110.8	114.3	114.1	114.2	111.8	107.4	107.5	108.2
48.0	97.80	101.2	100.3	98.88	95.57	91.73	91.42	93.51
51.0	83.46	85.76	85.93	85.44	83.76	80.88	80.18	80.94
54.0	73.80	75.58	75.95	75.62	74.55	72.27	71.43	71.61
57.0	66.08	67.69	68.31	68.29	67.05	64.99	64.40	64.54
60.0	59.43	61.28	61.66	61.73	60.43	58.65	58.03	58.16
63.0	54.54	56.12	56.71	56.61	54.99	52.79	52.57	53.21
66.0	48.58	50.28	50.40	49.53	47.40	45.35	45.24	46.41
69.0	41.94	43.55	43.51	42.31	40.03	38.08	38.19	39.56
72.0	35.20	36.80	36.54	35.13	32.81	31.03	31.28	32.78
75.0	28.51	30.07	29.68	28.11	25.87	24.30	24.66	26.18
78.0	21.97	23.42	22.92	21.34	19.28	17.92	18.33	19.79
81.0	15.68	16.95	16.42	14.88	13.01	11.89	12.39	13.71
84.0	9.781	10.80	10.32	8.840	7.202	6.336	6.814	8.048
87.0	4.298	5.090	4.631	3.356	1.999	1.312	1.802	2.876
90.0	0.1492	0.1336	0.1494	0.1344	0.1592	0.1651	0.1726	0.1563

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