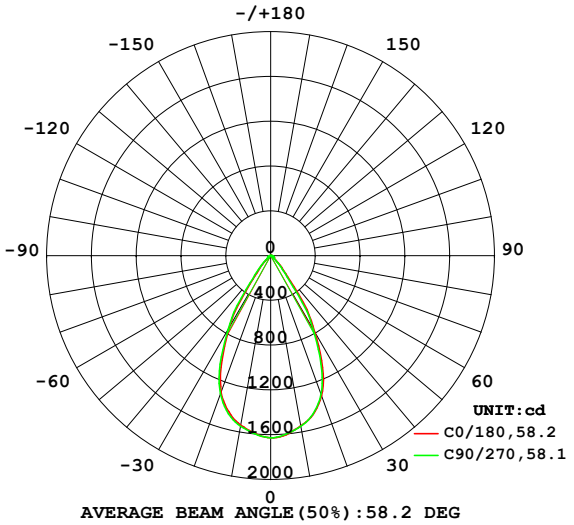
Photometric Filename: HCP-10X2501-4000K RA90 60D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 lm		
NAME: HCP-10X2501-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

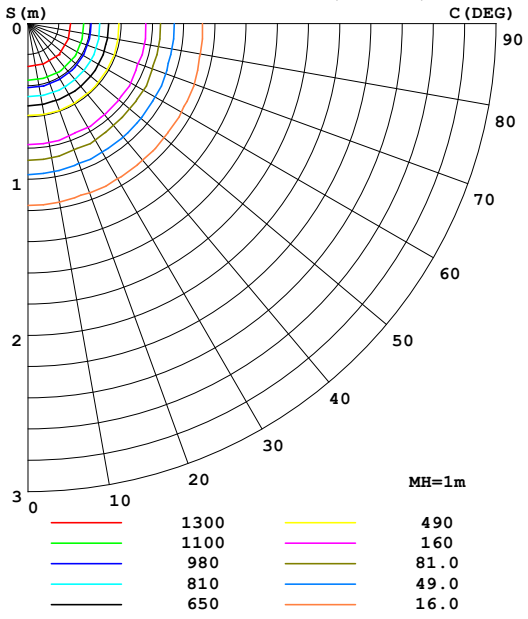
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 80.46 lm/W
MODEL		Imax(cd)	1627	S/MH(C0/180)	0.87
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1466.8	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	1466.81	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.27	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	1545	1551	1549	1548	1538	1542	1547	1550	0- 10	151.0	151.0	10.3,10.3
20	1330	1343	1317	1307	1295	1298	1313	1327	10- 20	408.1	559.1	38.1,38.1
30	791.9	794.7	761.4	748.5	740.9	745.2	762.5	778.8	20- 30	482.2	1041	71,71
40	210.4	195.2	181.6	173.3	172.4	180.4	196.0	196.3	30- 40	277.6	1319	89.9,89.9
50	49.26	45.79	40.34	37.51	37.28	39.64	45.33	47.94	40- 50	78.09	1397	95.2,95.2
60	28.58	27.94	26.74	26.11	26.27	27.07	27.96	28.59	50- 60	28.55	1426	97.2,97.2
70	19.84	18.99	17.87	17.40	17.62	18.46	19.58	20.11	60- 70	23.31	1449	98.8,98.8
80	8.959	8.312	7.534	7.222	7.417	8.078	8.887	9.193	70- 80	14.15	1463	99.7,99.7
90	0.0732	0.0684	0.0851	0.0775	0.0819	0.0771	0.0787	0.0704	80- 90	3.849	1467	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): 1370.3 lm

%lum = 93.4%
%lamp = 93.4%

Conical surface Flux(120deg): 1425.5 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:

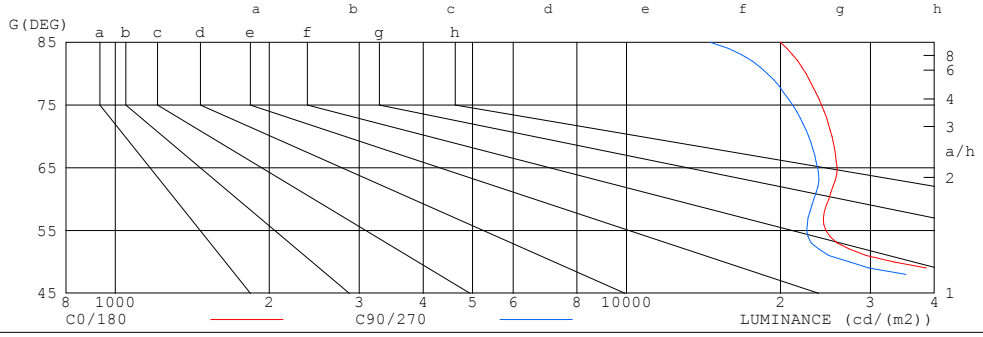
Photometric Filename: HCP-10X2501-4000K RA90 60D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz **UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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	20019	14561
80	22436	18870
75	24075	21125
70	25231	22724
65	25813	23645
60	24857	23257
55	24549	22533
50	33329	27297
45	69658	57843

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

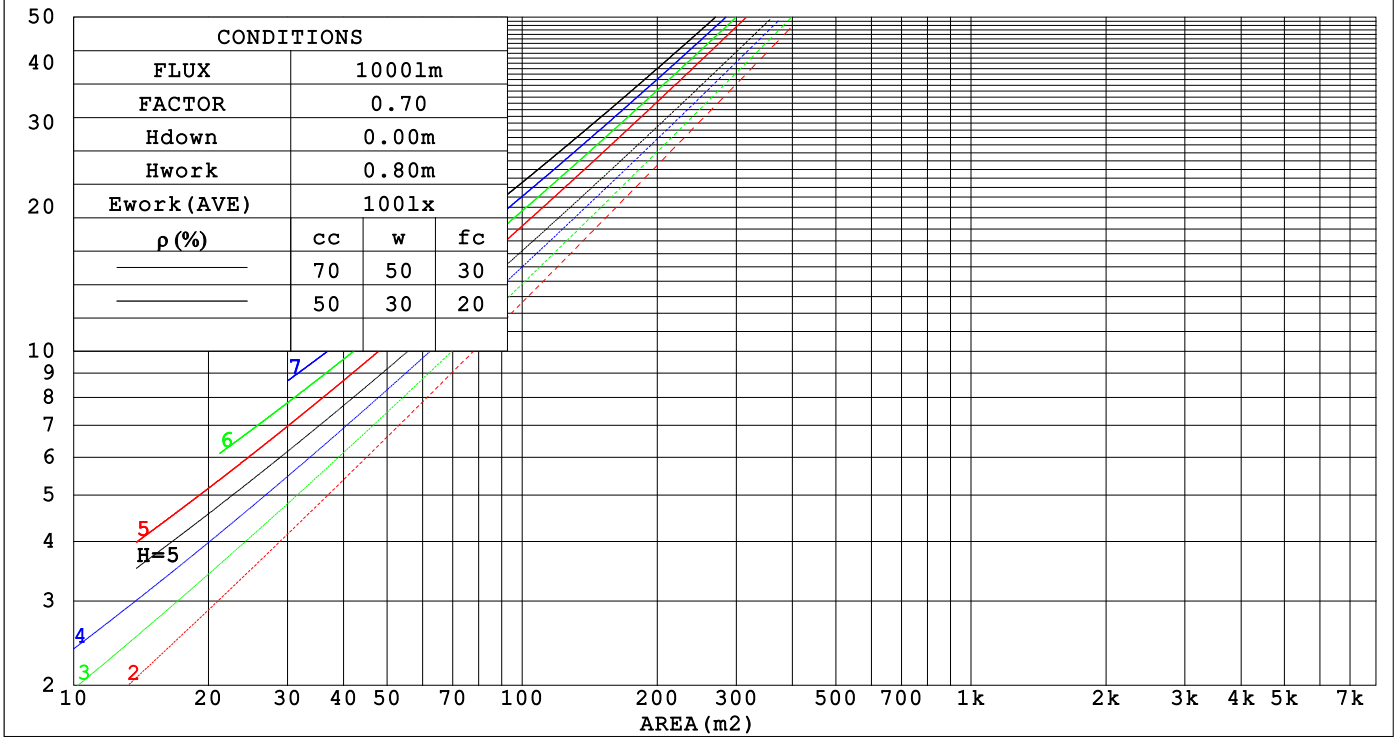
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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	.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-10X2501-4000K RA90 60D WHITE

WEC AND CCEC

Test:U:240.3V I:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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	.188	.107	.034	.182	.104	.033	.169	.097	.031	.157	.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	.139	.077	.024	
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.141	.076	.023	.134	.073	.022	
5.0	.152	.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:

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

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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	23.3	24.3	23.5	24.4	24.6	23.0	24.0	23.2	24.1	24.3
3H	23.5	24.4	23.8	24.6	24.8	23.2	24.1	23.5	24.3	24.5
4H	23.7	24.5	24.0	24.8	25.0	23.3	24.2	23.6	24.4	24.6
6H	23.8	24.6	24.1	24.9	25.1	23.4	24.2	23.7	24.5	24.7
8H	23.8	24.6	24.2	24.9	25.1	23.4	24.2	23.7	24.5	24.7
12H	23.9	24.6	24.2	24.9	25.2	23.4	24.2	23.8	24.4	24.7
4H 2H	23.2	24.1	23.5	24.3	24.5	22.9	23.8	23.2	24.0	24.2
3H	23.6	24.3	23.9	24.6	24.9	23.3	24.0	23.6	24.3	24.6
4H	23.9	24.5	24.2	24.8	25.1	23.5	24.2	23.9	24.5	24.8
6H	24.1	24.7	24.5	25.0	25.4	23.7	24.3	24.1	24.6	25.0
8H	24.2	24.7	24.6	25.1	25.4	23.7	24.3	24.1	24.6	25.0
12H	24.2	24.7	24.6	25.1	25.5	23.8	24.3	24.2	24.6	25.0
8H 4H	23.9	24.4	24.3	24.8	25.2	23.6	24.1	23.9	24.5	24.8
6H	24.2	24.6	24.6	25.0	25.5	23.8	24.3	24.3	24.7	25.1
8H	24.3	24.7	24.8	25.1	25.6	23.9	24.3	24.4	24.7	25.2
12H	24.4	24.8	24.9	25.2	25.7	24.0	24.3	24.5	24.8	25.2
12H 4H	23.9	24.4	24.3	24.7	25.1	23.5	24.0	23.9	24.4	24.8
6H	24.2	24.6	24.6	25.0	25.5	23.8	24.2	24.3	24.6	25.1
8H	24.3	24.7	24.8	25.1	25.6	24.0	24.3	24.4	24.7	25.2
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, 1467 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:2023-11-22

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:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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	

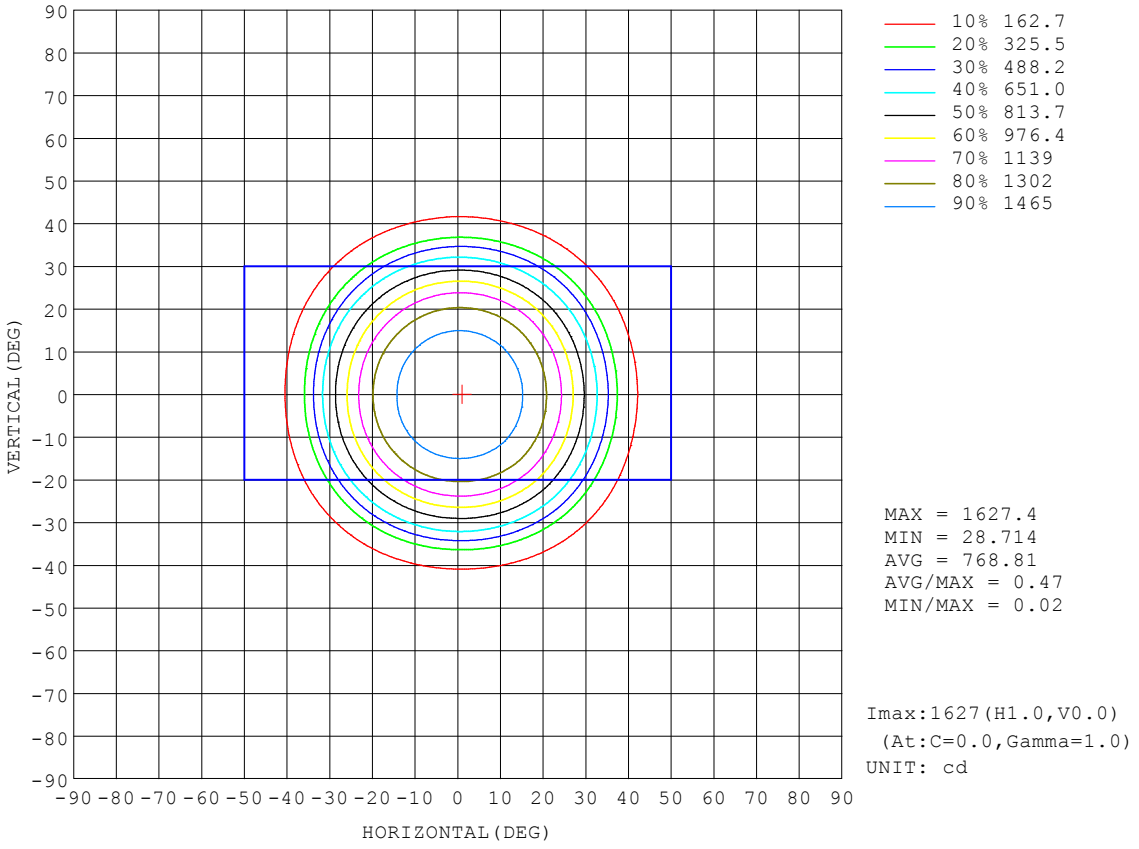
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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

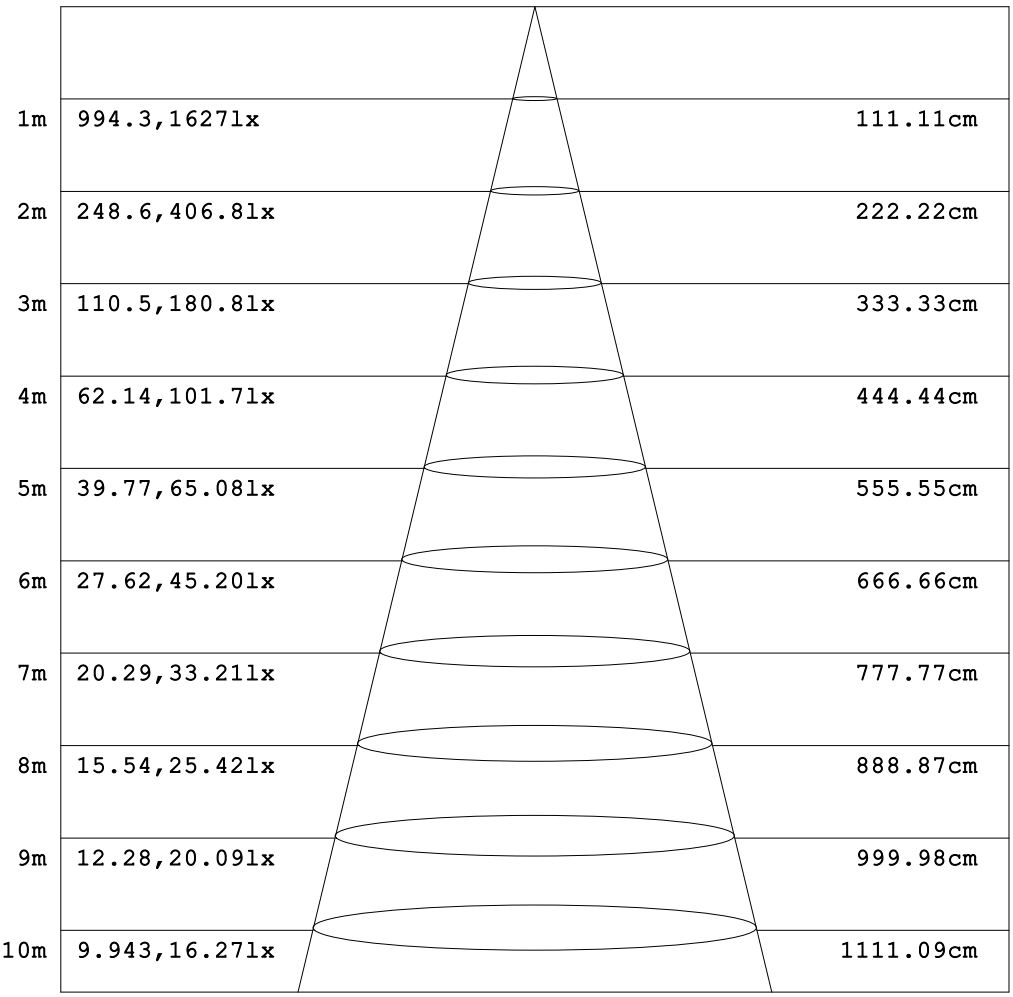
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

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

AAI Figure

Test:U:240.3V I:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 lm		
NAME: HCP-10X2501-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:1041 lm



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

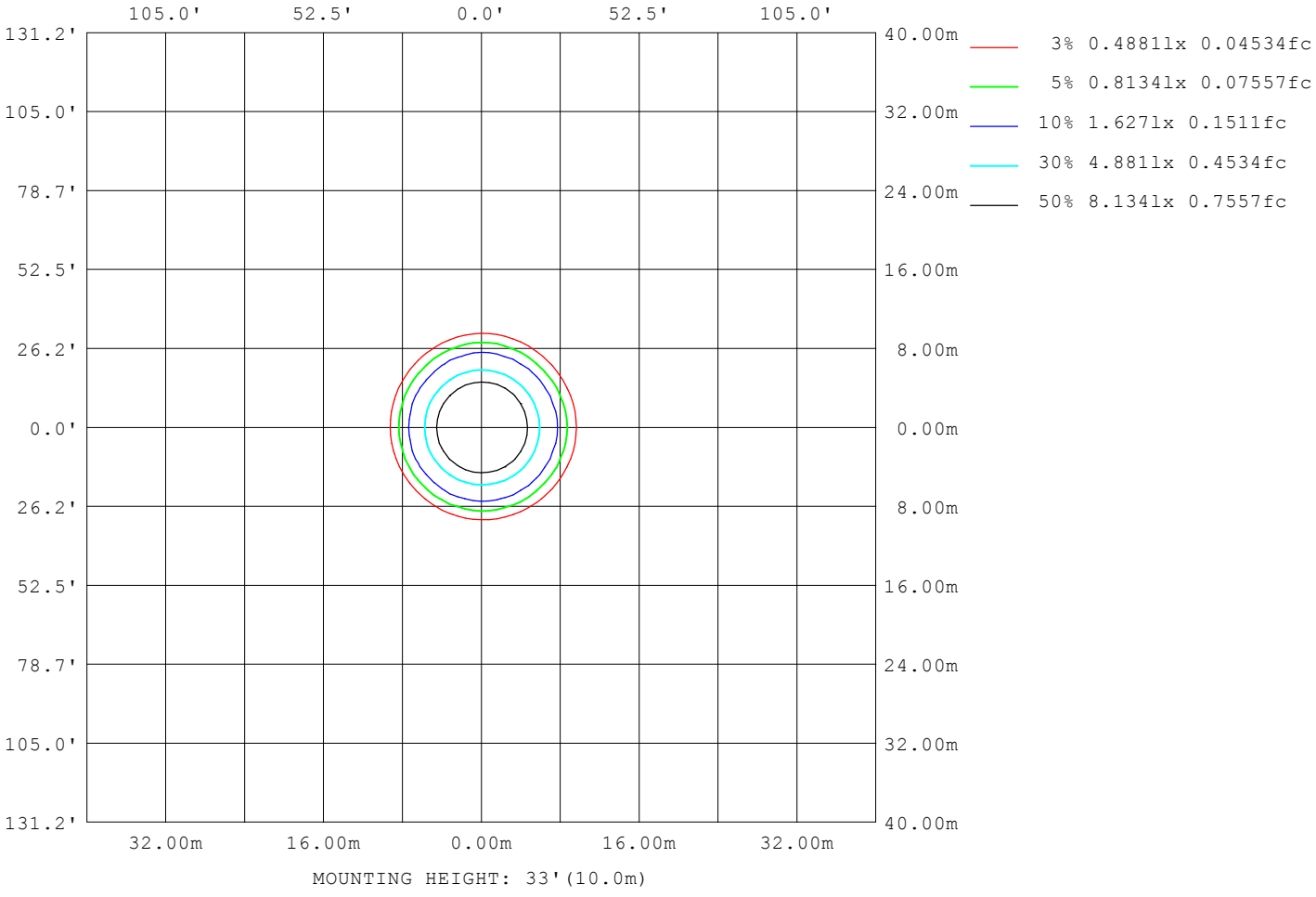
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-4000K RA90 60D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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	24505
L_0~180(75)av	22483
L_0~180(85)av	16842
L_90~270(65)av	24450
L_90~270(75)av	22489
L_90~270(85)av	17003
L_45(65)av	24501
L_45(75)av	22507
L_45(85)av	16887

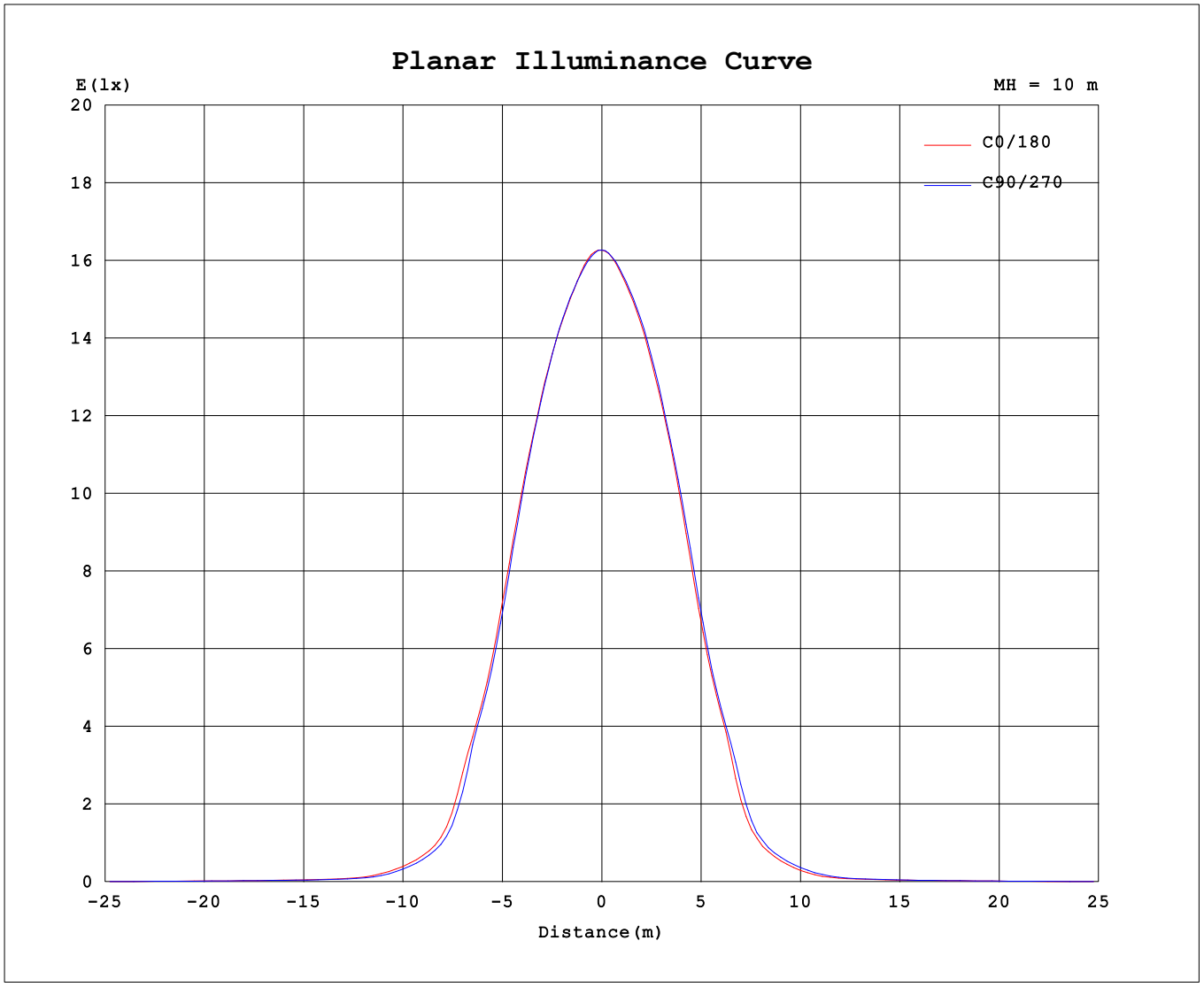
Standard: GB/T 29293-2012

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:

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

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:0.0781A P:18.2W PF:0.9710 Freq:49.99Hz UTHDi:0.43% ITHDi:11.23% KDisp:0.9801 Lamp Flux:1466.81x1 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

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	1626	1626	1626	1626	1626	1626	1626	1626
5	1606	1605	1600	1599	1594	1595	1599	1605
10	1545	1551	1549	1548	1538	1542	1547	1550
15	1469	1476	1465	1460	1446	1454	1462	1469
20	1330	1343	1317	1307	1295	1298	1313	1327
25	1100	1104	1068	1049	1033	1041	1071	1093
30	792	795	761	748	741	745	763	779
35	512	483	424	399	386	407	457	489
40	210	195	182	173	172	180	196	196
45	113	103	94.0	83.4	84.0	92.1	105	106
50	49.3	45.8	40.3	37.5	37.3	39.6	45.3	47.9
55	32.4	31.6	29.7	29.0	29.0	29.8	31.4	32.2
60	28.6	27.9	26.7	26.1	26.3	27.1	28.0	28.6
65	25.1	24.2	23.0	22.4	22.6	23.4	24.6	25.2
70	19.8	19.0	17.9	17.4	17.6	18.5	19.6	20.1
75	14.3	13.6	12.6	12.2	12.4	13.2	14.2	14.6
80	8.96	8.31	7.53	7.22	7.42	8.08	8.89	9.19
85	4.01	3.53	2.92	2.63	2.74	3.24	3.90	4.14
90	0.07	0.07	0.09	0.08	0.08	0.08	0.08	0.07

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

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	1626	1626	1626	1626	1626	1626	1626	1626
3.0	1622	1619	1617	1616	1614	1613	1615	1619
6.0	1594	1594	1591	1589	1584	1585	1589	1595
9.0	1558	1562	1561	1560	1550	1555	1558	1562
12.0	1520	1525	1522	1519	1508	1513	1520	1521
15.0	1469	1476	1465	1460	1446	1454	1462	1469
18.0	1393	1405	1387	1376	1367	1370	1379	1392
21.0	1295	1305	1279	1267	1252	1255	1274	1291
24.0	1156	1162	1130	1113	1093	1102	1127	1153
27.0	979.1	979.2	941.3	927.0	908.1	921.3	943.7	972.5
30.0	791.9	794.7	761.4	748.5	740.9	745.2	762.5	778.8
33.0	634.1	626.3	598.8	576.2	556.9	573.3	604.8	614.4
36.0	426.4	398.4	349.9	328.9	317.8	335.8	377.2	404.5
39.0	244.6	230.7	205.7	196.5	195.0	203.2	227.6	227.5
42.0	165.8	152.2	141.9	132.6	133.1	140.5	155.8	154.5
45.0	113.3	103.3	94.04	83.40	83.97	92.11	104.5	105.6
48.0	70.95	63.96	54.19	48.38	48.04	52.44	63.33	67.60
51.0	42.61	40.90	35.97	34.35	34.09	35.95	40.27	41.58
54.0	33.82	32.81	30.63	29.73	29.70	30.84	32.62	33.59
57.0	30.41	29.70	28.36	27.72	27.88	28.63	29.70	30.30
60.0	28.58	27.94	26.74	26.11	26.27	27.07	27.96	28.59
63.0	26.74	26.02	24.84	24.17	24.34	25.26	26.20	26.78
66.0	24.05	23.19	21.97	21.44	21.59	22.48	23.62	24.23
69.0	20.93	20.07	18.92	18.44	18.65	19.49	20.62	21.18
72.0	17.63	16.82	15.73	15.33	15.55	16.37	17.46	17.93
75.0	14.33	13.56	12.57	12.22	12.44	13.20	14.20	14.60
78.0	11.04	10.37	9.511	9.185	9.388	10.11	10.98	11.32
81.0	7.931	7.310	6.567	6.265	6.445	7.074	7.846	8.141
84.0	4.951	4.439	3.801	3.516	3.656	4.186	4.861	5.113
87.0	2.183	1.764	1.191	0.8712	0.9001	1.341	1.973	2.228
90.0	0.0732	0.0684	0.0851	0.0775	0.0819	0.0771	0.0787	0.0704

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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Operators:DAMIN
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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: