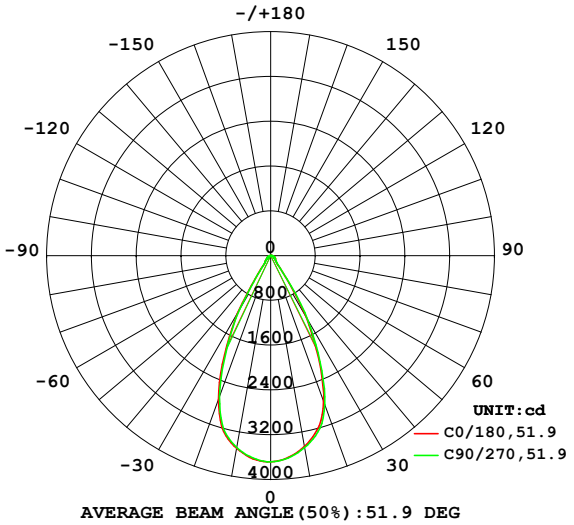
Photometric Filename: HCP-10X2701-4000K RA90 60D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

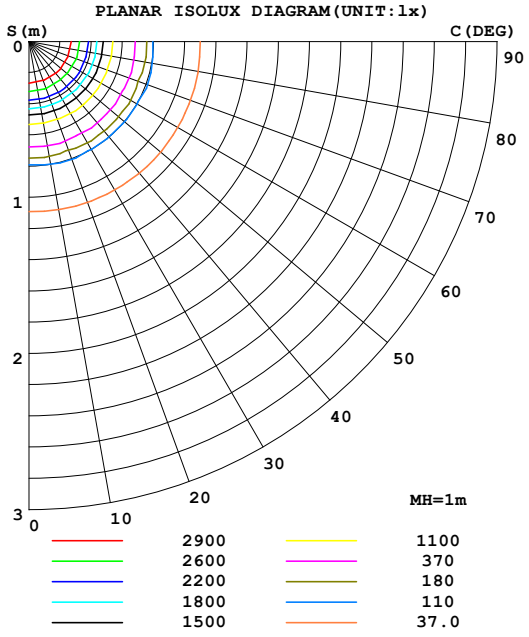
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 79.99 lm/W	
MODEL		Imax(cd)	3682	S/MH(C0/180)	0.78
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2735.6	η UP,DN(C0-180)	0.0,51.5
NOMINAL FLUX(lm)	2735.61	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.32	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:

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3464	3475	3482	3496	3498	3491	3484	3472	0- 10	341.8	341.8	12.5,12.5
20	2772	2788	2833	2806	2734	2656	2674	2724	10- 20	894.4	1236	45.2,45.2
30	1281	1337	1337	1284	1179	1096	1100	1187	20- 30	900.2	2136	78.1,78.1
40	169.8	177.6	180.2	175.6	168.8	164.5	160.4	163.6	30- 40	318.4	2455	89.7,89.7
50	103.0	107.0	106.1	105.9	104.0	99.82	99.38	99.58	40- 50	102.4	2557	93.5,93.5
60	70.51	72.76	73.31	73.51	72.08	69.82	69.10	69.03	50- 60	76.48	2634	96.3,96.3
70	46.93	48.95	48.90	47.53	44.88	42.46	42.60	44.18	60- 70	58.69	2692	98.4,98.4
80	20.90	22.54	22.05	20.31	18.05	16.55	17.02	18.54	70- 80	34.16	2726	99.7,99.7
90	0.1788	0.1546	0.1781	0.1604	0.1897	0.1973	0.2089	0.1878	80- 90	9.132	2736	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): 2509.7 lm

%lum = 91.7%
%lamp = 91.7%

Conical surface Flux(130deg): 2665.6 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:

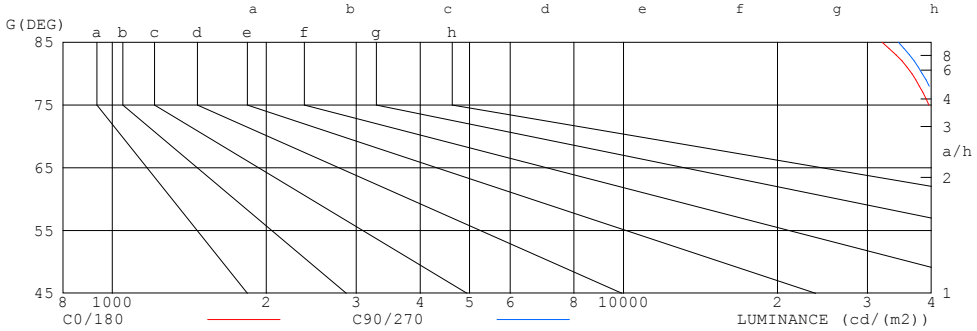
Photometric Filename: HCP-10X2701-4000K RA90 60D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz **UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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	32064	34524
80	36634	38416
75	39584	41183
70	41770	43244
65	43300	44885
60	42926	44351
55	44697	45828
50	48776	49913
45	56622	58151

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

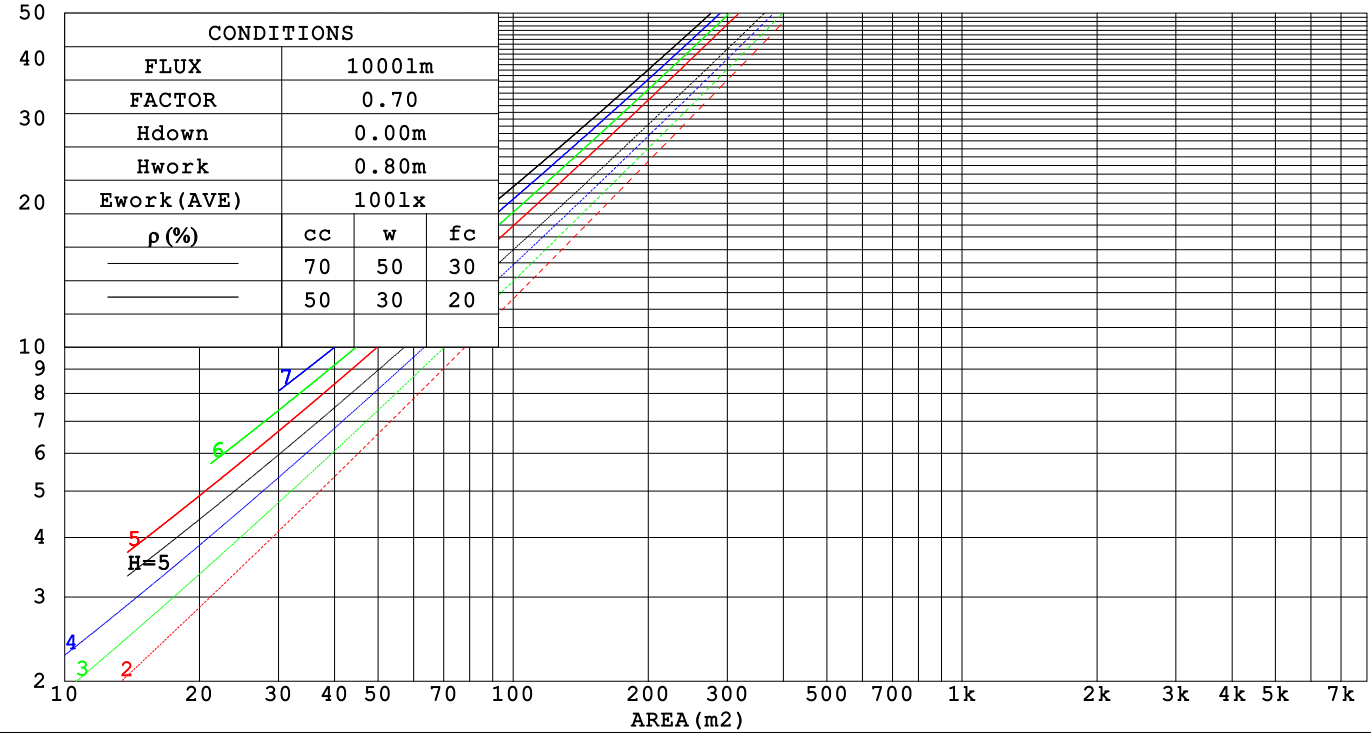
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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	.115	.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:

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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	22.5	23.4	22.7	23.6	23.7	22.7	23.7	23.0	23.8	24.0
	3H	23.4	24.2	23.6	24.4	24.6	23.6	24.5	23.9	24.7	24.9
	4H	23.8	24.6	24.1	24.8	25.1	24.0	24.9	24.3	25.1	25.3
	6H	24.1	24.9	24.4	25.2	25.4	24.4	25.2	24.7	25.4	25.6
	8H	24.3	25.0	24.6	25.3	25.5	24.5	25.2	24.8	25.5	25.8
	12H	24.3	25.0	24.6	25.3	25.6	24.6	25.3	24.9	25.6	25.8
4H	2H	22.8	23.6	23.0	23.8	24.0	23.0	23.8	23.3	24.0	24.3
	3H	23.9	24.6	24.2	24.9	25.2	24.1	24.8	24.4	25.1	25.4
	4H	24.5	25.1	24.8	25.4	25.7	24.7	25.3	25.0	25.6	25.9
	6H	25.0	25.5	25.3	25.9	26.2	25.2	25.7	25.5	26.1	26.4
	8H	25.1	25.7	25.5	26.0	26.4	25.3	25.9	25.7	26.2	26.6
	12H	25.2	25.7	25.6	26.1	26.5	25.5	25.9	25.9	26.3	26.7
8H	4H	24.7	25.2	25.1	25.6	26.0	24.9	25.4	25.3	25.8	26.1
	6H	25.3	25.8	25.7	26.2	26.6	25.5	25.9	25.9	26.3	26.7
	8H	25.6	26.0	26.0	26.4	26.8	25.7	26.1	26.2	26.6	27.0
	12H	25.7	26.1	26.2	26.5	27.0	25.9	26.3	26.4	26.7	27.2
12H	4H	24.7	25.2	25.1	25.6	26.0	24.9	25.4	25.3	25.7	26.1
	6H	25.4	25.8	25.8	26.2	26.6	25.5	25.9	26.0	26.3	26.8
	8H	25.6	26.0	26.1	26.4	26.9	25.8	26.2	26.3	26.6	27.1

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.3 / - 0.4	+ 0.4 / - 0.4
1.5H	+ 0.6 / - 0.3	+ 0.8 / - 0.3
2.0H	+ 0.3 / - 0.3	+ 0.3 / - 0.3

CIE Pub.117, 2736 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.5)
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:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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	85	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	

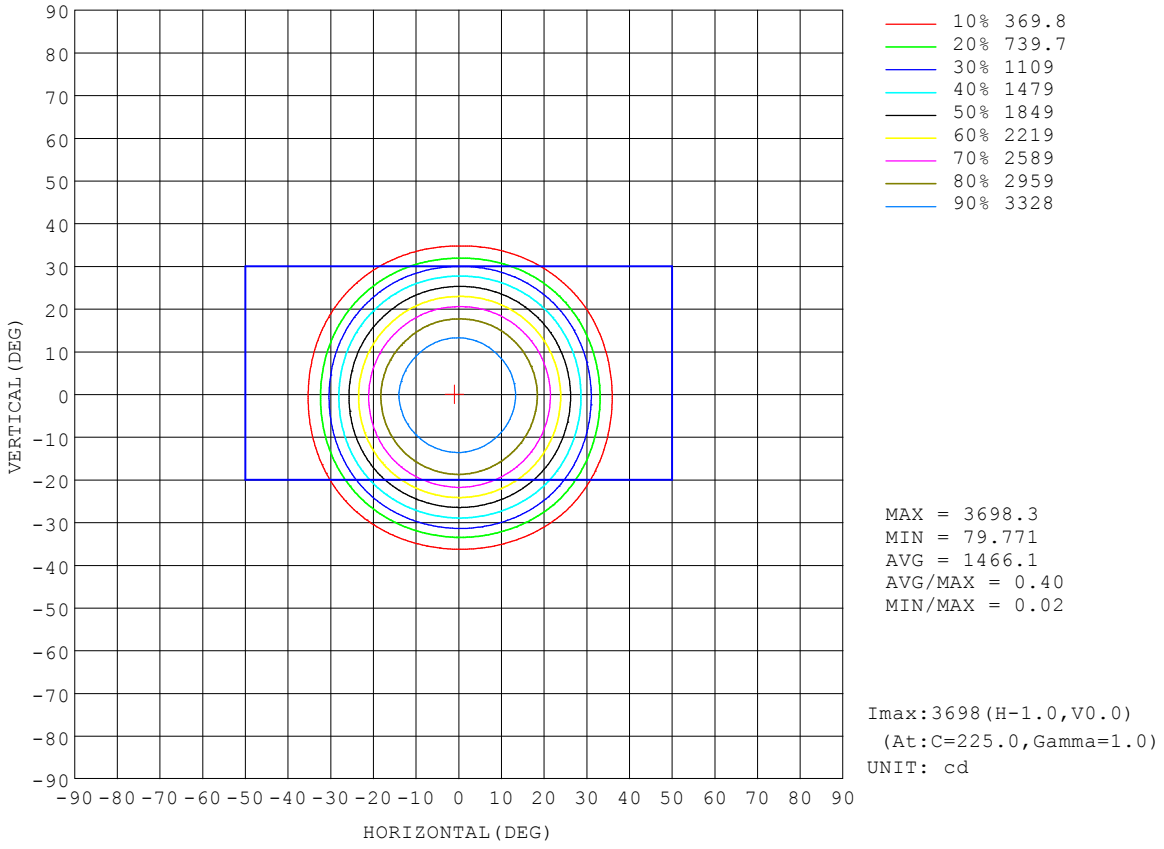
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2023-11-15

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:

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

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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
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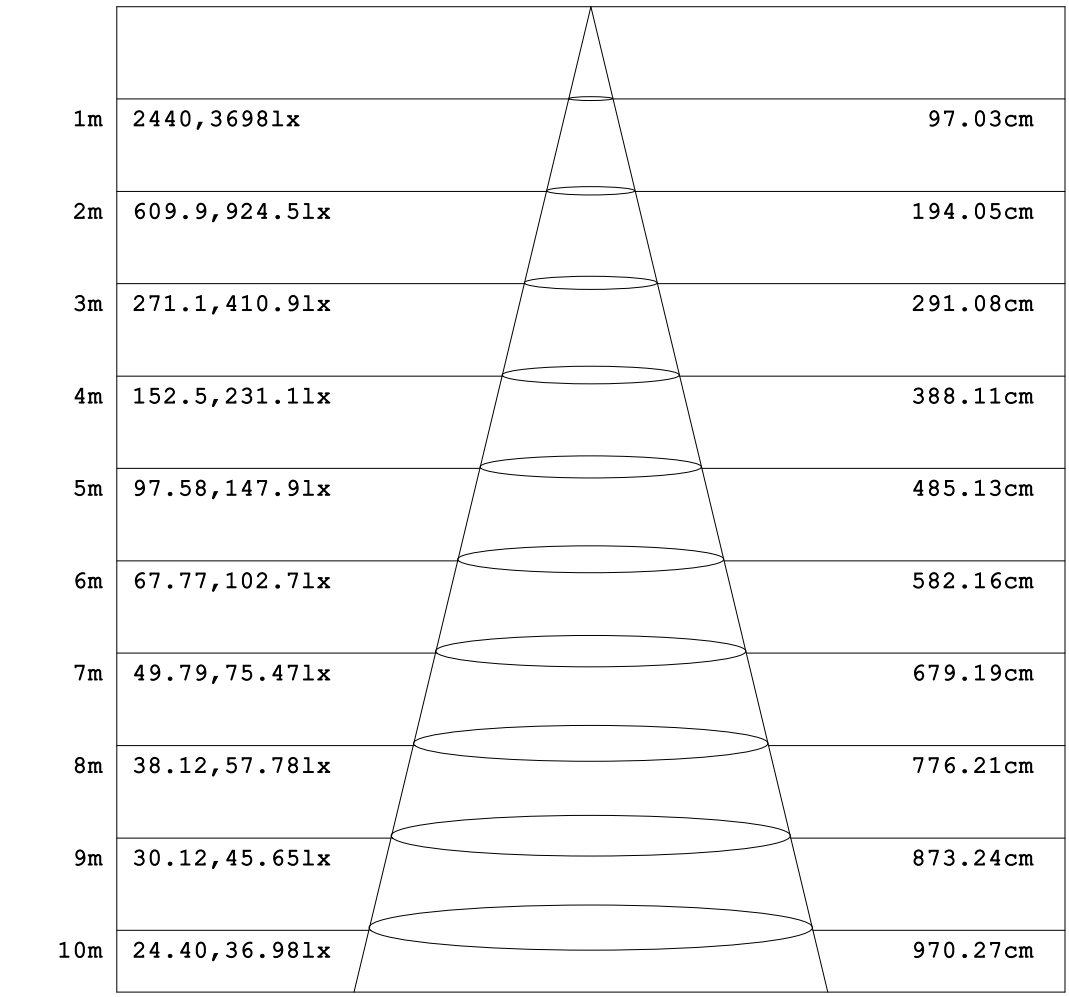
γ Range: 0 - 90DEG
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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

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

AAI Figure

Test:U:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 lm		
NAME: HCP-10X2701-4000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Flux out:1823 lm



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

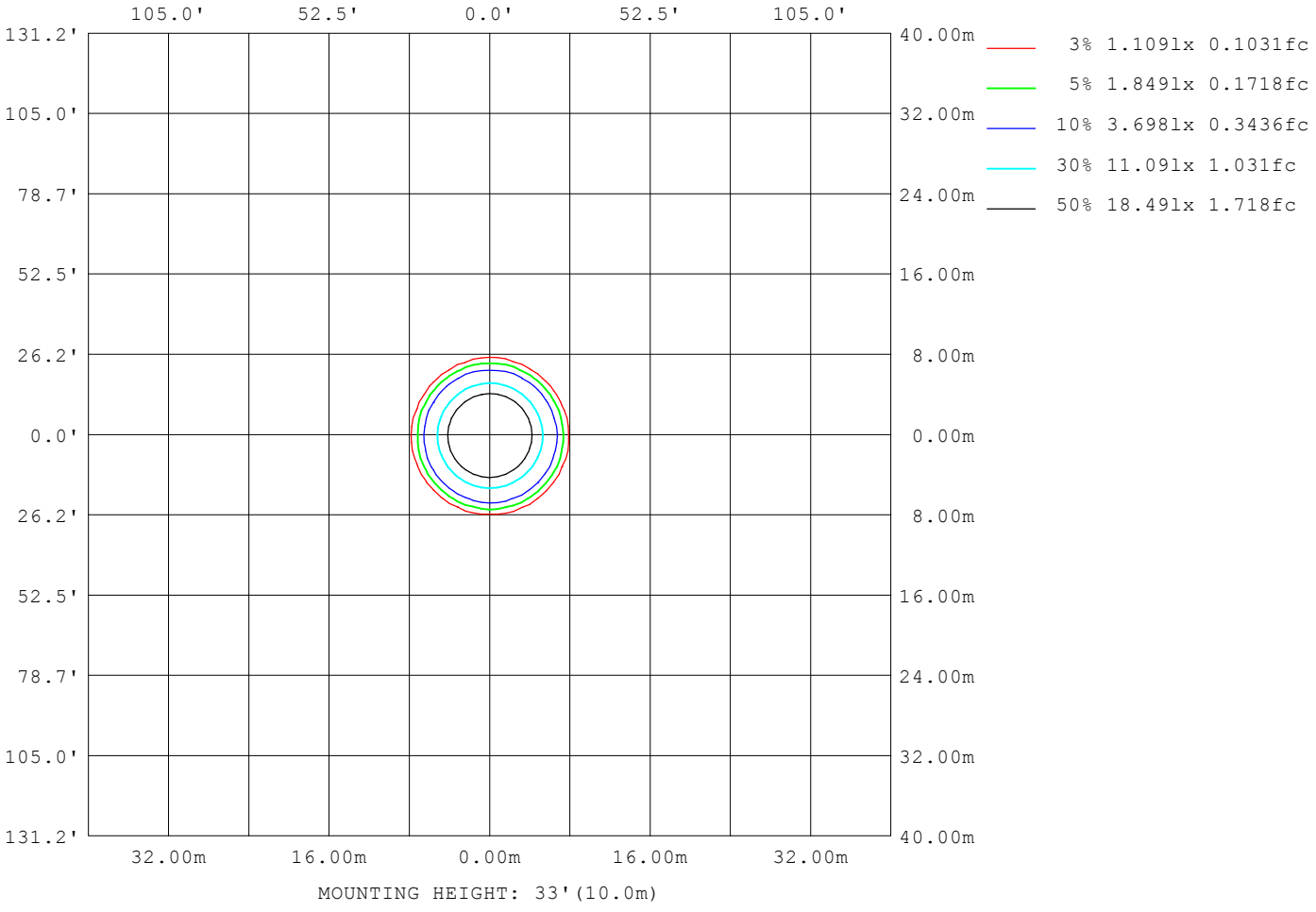
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz **UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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	42864
L_0~180(75)av	37811
L_0~180(85)av	27414
L_90~270(65)av	42786
L_90~270(75)av	37774
L_90~270(85)av	27786
L_45(65)av	42794
L_45(75)av	37756
L_45(85)av	27462

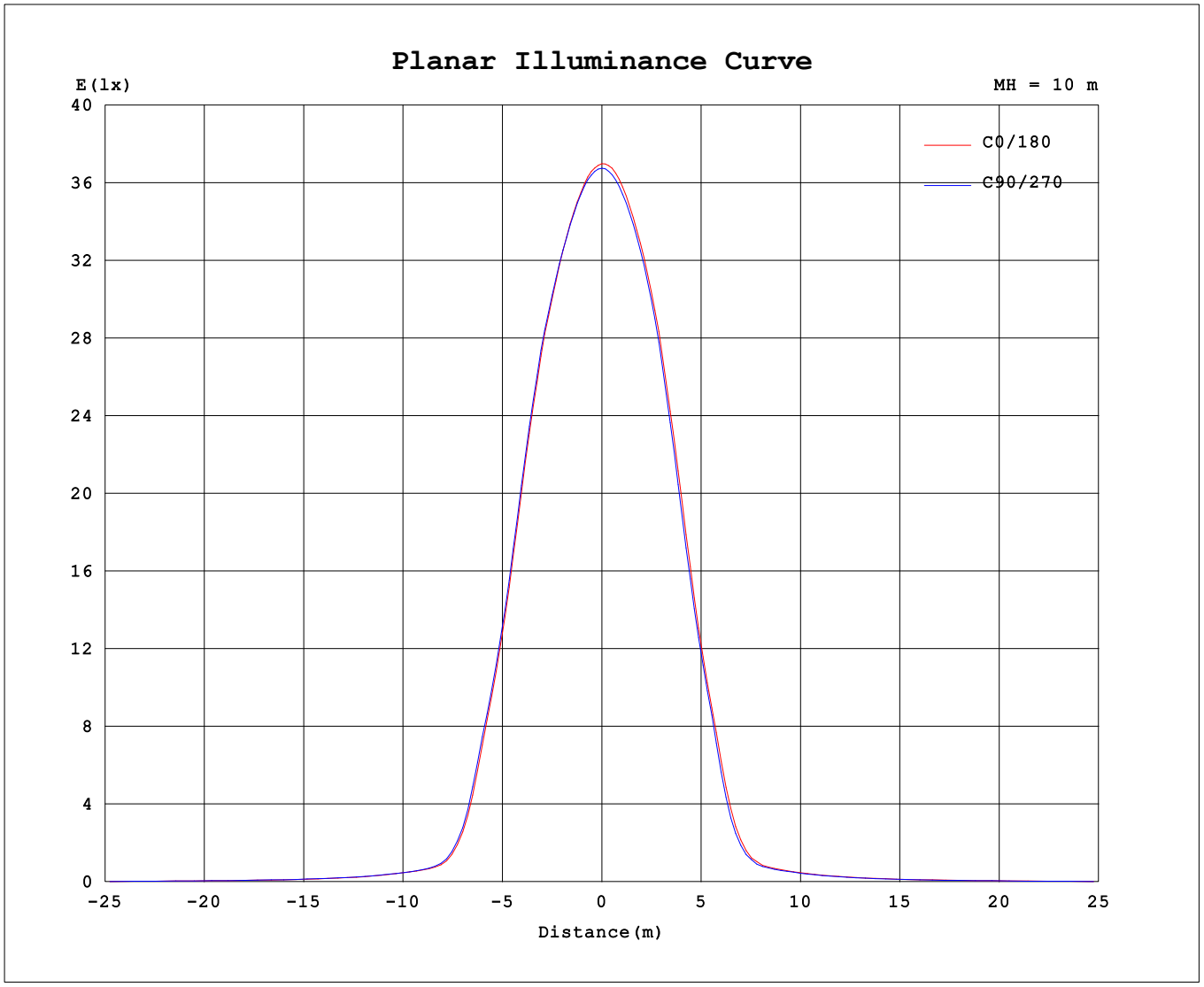
Standard: GB/T 29293-2012

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

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

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:240.2V I:0.1434A P:34.2W PF:0.9926 Freq:49.99Hz UTHDi:0.41% ITHDi:21.61% KDisp:0.9962 Lamp Flux:2735.61x1 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	3681	3681	3681	3681	3681	3681	3681	3681
5	3618	3623	3629	3638	3643	3640	3629	3620
10	3464	3475	3482	3496	3498	3491	3484	3472
15	3221	3230	3263	3274	3251	3209	3224	3225
20	2772	2788	2833	2806	2734	2656	2674	2724
25	2028	2071	2091	2052	1957	1866	1892	1943
30	1281	1337	1337	1284	1179	1096	1100	1187
35	467	529	510	458	392	349	345	385
40	170	178	180	176	169	164	160	164
45	132	136	136	136	134	128	128	128
50	103	107	106	106	104	99.8	99.4	99.6
55	84.2	86.2	86.9	87.0	85.8	83.1	82.2	82.1
60	70.5	72.8	73.3	73.5	72.1	69.8	69.1	69.0
65	60.1	62.3	62.7	61.8	59.4	56.9	56.6	57.7
70	46.9	48.9	48.9	47.5	44.9	42.5	42.6	44.2
75	33.7	35.6	35.2	33.5	30.9	29.0	29.3	30.9
80	20.9	22.5	22.1	20.3	18.0	16.6	17.0	18.5
85	9.18	10.4	9.95	8.35	6.59	5.55	6.04	7.31
90	0.18	0.15	0.18	0.16	0.19	0.20	0.21	0.19

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

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	3681	3681	3681	3681	3681	3681	3681	3681
3.0	3657	3657	3662	3668	3674	3668	3663	3656
6.0	3593	3600	3606	3616	3622	3619	3607	3597
9.0	3501	3512	3517	3529	3534	3528	3520	3508
12.0	3379	3390	3407	3422	3417	3399	3398	3389
15.0	3221	3230	3263	3274	3251	3209	3224	3225
18.0	2987	2996	3042	3029	2973	2907	2926	2962
21.0	2649	2665	2701	2681	2590	2510	2521	2580
24.0	2192	2231	2254	2214	2123	2031	2050	2114
27.0	1716	1753	1777	1731	1631	1570	1582	1637
30.0	1281	1337	1337	1284	1179	1096	1100	1187
33.0	754.2	836.9	831.2	735.4	635.5	569.7	559.7	634.6
36.0	361.9	408.5	398.1	355.7	303.5	276.6	265.8	302.7
39.0	188.3	214.1	203.9	193.9	181.3	175.8	171.0	176.1
42.0	149.6	154.4	155.5	155.5	152.5	148.1	145.5	145.9
45.0	131.5	135.8	135.9	136.2	133.7	128.0	128.0	128.5
48.0	116.0	120.2	119.5	117.9	114.2	108.7	108.8	110.6
51.0	98.35	101.8	101.5	101.8	100.00	96.19	95.41	95.83
54.0	87.59	89.72	90.32	90.11	89.00	86.06	85.06	84.99
57.0	78.36	80.37	81.20	81.32	80.00	77.35	76.67	76.60
60.0	70.51	72.76	73.31	73.51	72.08	69.82	69.10	69.03
63.0	64.69	66.60	67.41	67.42	65.57	62.81	62.53	63.13
66.0	57.49	59.65	59.86	58.96	56.57	53.93	53.79	55.05
69.0	49.60	51.60	51.65	50.41	47.76	45.28	45.36	46.89
72.0	41.62	43.59	43.39	41.87	39.17	36.91	37.18	38.82
75.0	33.66	35.60	35.24	33.51	30.93	28.95	29.29	30.93
78.0	25.90	27.69	27.23	25.47	23.08	21.37	21.79	23.38
81.0	18.43	20.03	19.52	17.79	15.65	14.21	14.69	16.18
84.0	11.35	12.69	12.22	10.61	8.738	7.618	8.094	9.465
87.0	4.938	5.943	5.514	4.092	2.533	1.665	2.130	3.311
90.0	0.1788	0.1546	0.1781	0.1604	0.1897	0.1973	0.2089	0.1878

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: