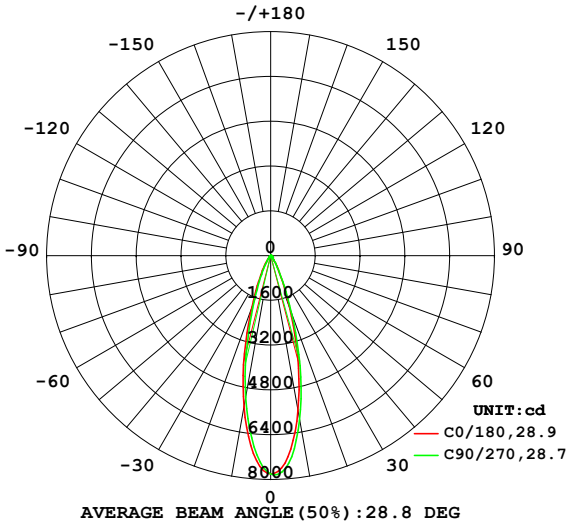
Photometric Filename: HCP-10X2701-5000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

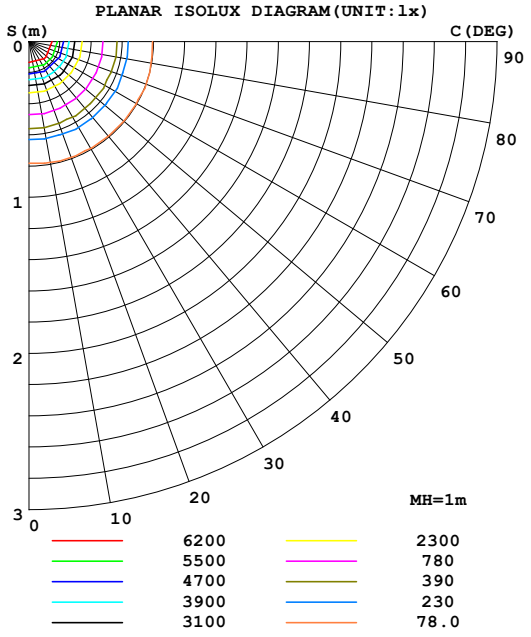
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 88.01 lm/W	
MODEL		Imax(cd)	7837	S/MH(C0/180)	0.48
NOMINAL POWER(W)	29	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2432.4	η UP,DN(C0-180)	0.0,52.6
NOMINAL FLUX(lm)	2432.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.26	η down(%)	100.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):28.8 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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	5637	5929	5968	5793	5489	5232	5158	5336	0- 10	630.7	630.7	25.9,25.9
20	2012	2215	2195	2157	2003	1834	1716	1839	10- 20	999.1	1630	67,67
30	481.9	525.7	501.5	557.2	536.7	512.9	446.3	472.1	20- 30	480.4	2110	86.8,86.8
40	118.0	130.2	129.5	136.0	127.7	116.4	107.6	113.3	30- 40	165.3	2276	93.6,93.6
50	64.05	66.47	65.93	65.11	62.03	58.71	57.56	60.87	40- 50	66.37	2342	96.3,96.3
60	35.85	36.90	36.87	36.75	35.44	34.14	33.87	34.29	50- 60	42.18	2384	98,98
70	21.83	22.78	22.72	22.18	21.24	20.20	20.16	20.66	60- 70	28.27	2412	99.2,99.2
80	9.508	10.16	10.03	9.376	8.552	7.822	7.942	8.526	70- 80	15.84	2428	99.8,99.8
90	0.1223	0.0961	0.1266	0.0945	0.1063	0.1093	0.1231	0.1067	80- 90	4.222	2432	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): 2312.5 lm

%lum = 95.1%
%lamp = 95.1%

Conical surface Flux(130deg): 2399.7 lm

%lum = 98.7%
%lamp = 98.7%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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:

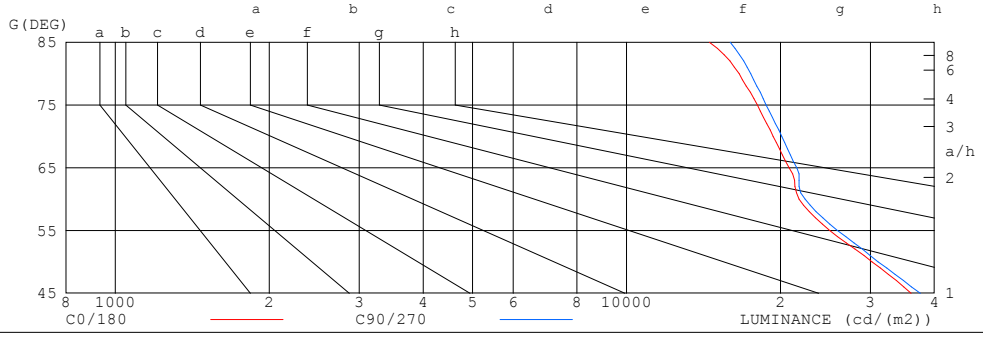
Photometric Filename: HCP-10X2701-5000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz **UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm**		
NAME: HCP-10X2701-5000K RA90 24D 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	14532	15957
80	16608	17493
75	18024	18761
70	19360	20126
65	20803	21523
60	21747	22345
55	24969	25851
50	30224	31076
45	36052	37559

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

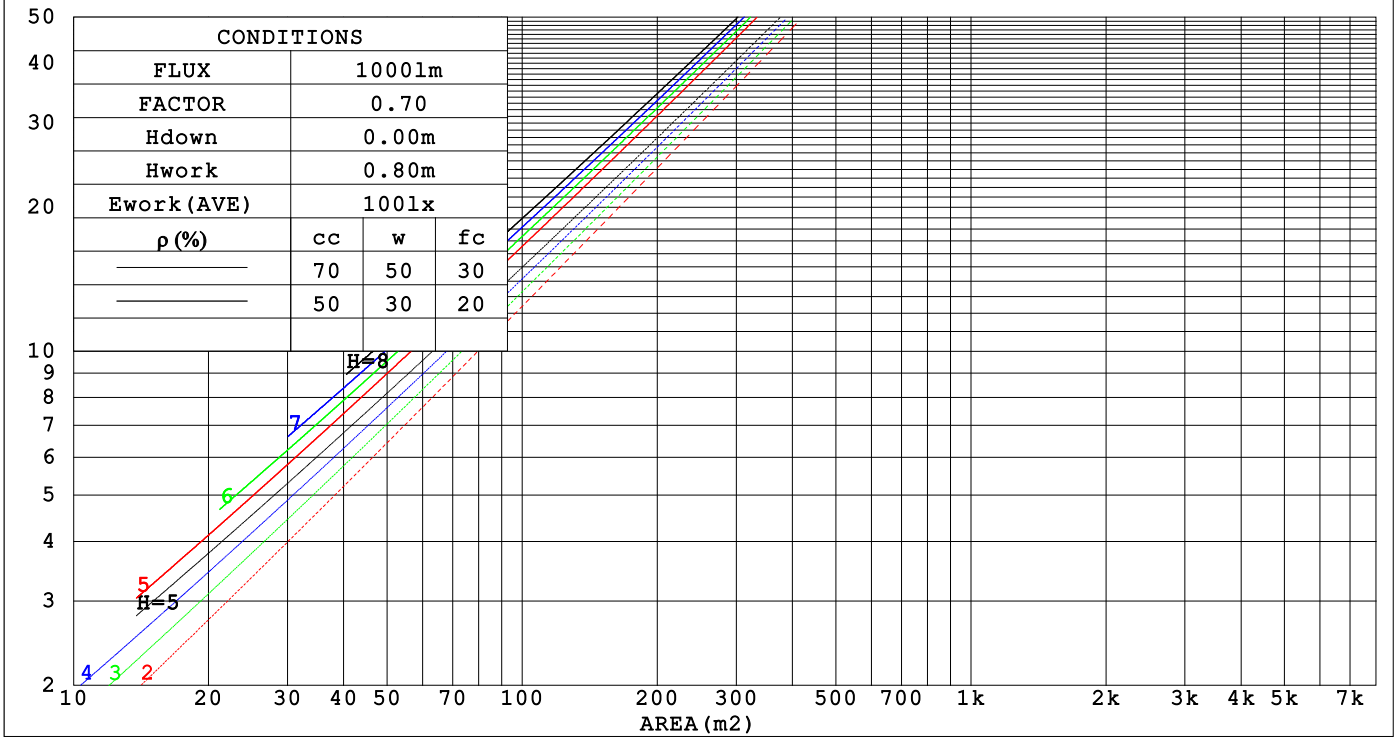
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D 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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.98	.95	.94	.95	.93	.92	.90
3.0	.00	.96	.92	.98	.95	.91	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.85	.83	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.87	.82	.78	.86	.81	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.75
7.0	.83	.78	.75	.83	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.72
8.0	.80	.75	.72	.79	.75	.72	.78	.74	.71	.78	.74	.71	.77	.73	.71	.70
9.0	.77	.72	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.74	.70	.67	.74	.70	.67	.73	.69	.66	.73	.69	.66	.72	.68	.66	.65

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

WEC AND CCEC

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D 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	.159	.090	.029	.152	.087	.028	.140	.080	.026	.128	.074	.024	.118	.068	.022	
2.0	.149	.081	.025	.143	.079	.024	.133	.074	.023	.123	.069	.022	.114	.065	.020	
3.0	.139	.074	.022	.134	.072	.022	.126	.068	.021	.117	.064	.020	.110	.061	.019	
4.0	.131	.068	.020	.127	.066	.020	.119	.063	.019	.112	.060	.018	.106	.057	.017	
5.0	.123	.063	.018	.120	.061	.018	.113	.059	.017	.107	.057	.017	.102	.054	.016	
6.0	.116	.058	.017	.113	.057	.016	.108	.055	.016	.103	.053	.016	.098	.051	.015	
7.0	.110	.055	.015	.108	.054	.015	.103	.052	.015	.098	.050	.015	.094	.049	.014	
8.0	.105	.051	.014	.103	.051	.014	.099	.049	.014	.094	.048	.014	.091	.047	.014	
9.0	.100	.049	.014	.098	.048	.013	.094	.047	.013	.091	.046	.013	.087	.044	.013	
10.0	.096	.046	.013	.094	.045	.013	.091	.044	.013	.088	.043	.012	.084	.043	.012	

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.109	.085	.066	.075	.059	.046	.044	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.096	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.057	.034	.078	.049	.030	.054	.035	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.074	.045	.026	.051	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D 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	18.3	19.1	18.5	19.2	19.4	18.5	19.2	18.7	19.4	19.5
	3H	19.0	19.8	19.3	20.0	20.1	19.2	19.9	19.5	20.1	20.3
	4H	19.4	20.1	19.7	20.3	20.5	19.6	20.3	19.8	20.5	20.7
	6H	19.7	20.3	20.0	20.6	20.8	19.9	20.5	20.1	20.7	21.0
	8H	19.8	20.4	20.1	20.6	20.9	20.0	20.6	20.3	20.8	21.1
	12H	19.8	20.4	20.1	20.7	20.9	20.0	20.6	20.3	20.9	21.2
4H	2H	18.6	19.2	18.8	19.5	19.7	18.7	19.4	19.0	19.6	19.8
	3H	19.5	20.1	19.8	20.4	20.7	19.7	20.3	20.0	20.5	20.8
	4H	20.0	20.5	20.3	20.8	21.1	20.2	20.7	20.5	21.0	21.3
	6H	20.4	20.9	20.8	21.2	21.5	20.6	21.0	20.9	21.4	21.7
	8H	20.5	21.0	20.9	21.3	21.7	20.7	21.2	21.1	21.5	21.9
	12H	20.6	21.0	21.0	21.4	21.8	20.8	21.2	21.2	21.6	22.0
8H	4H	20.2	20.6	20.6	21.0	21.3	20.3	20.8	20.7	21.1	21.5
	6H	20.7	21.1	21.1	21.4	21.9	20.8	21.2	21.3	21.6	22.0
	8H	20.9	21.2	21.3	21.6	22.1	21.1	21.4	21.5	21.8	22.2
	12H	21.0	21.3	21.5	21.8	22.2	21.2	21.5	21.7	21.9	22.4
12H	4H	20.2	20.6	20.6	20.9	21.3	20.3	20.7	20.7	21.1	21.5
	6H	20.7	21.0	21.2	21.5	21.9	20.9	21.2	21.3	21.6	22.0
	8H	21.0	21.2	21.4	21.7	22.1	21.1	21.4	21.6	21.8	22.3

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.5 / - 0.6	+ 0.6 / - 0.6
1.5H	+ 0.9 / - 0.4	+ 1.1 / - 0.4
2.0H	+ 0.7 / - 0.6	+ 0.7 / - 0.6

CIE Pub.117, 2432 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.1)
Area: 0.0033 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D 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	88	81	78	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	107	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

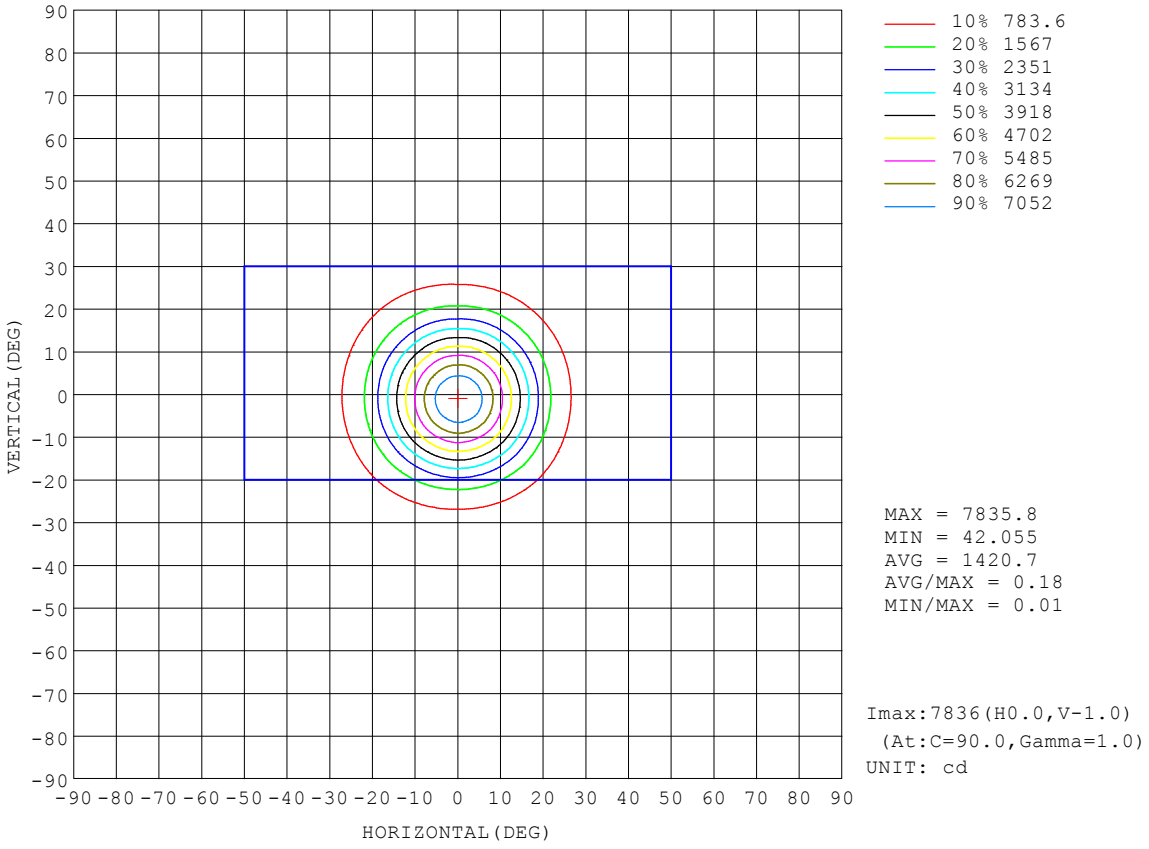
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:



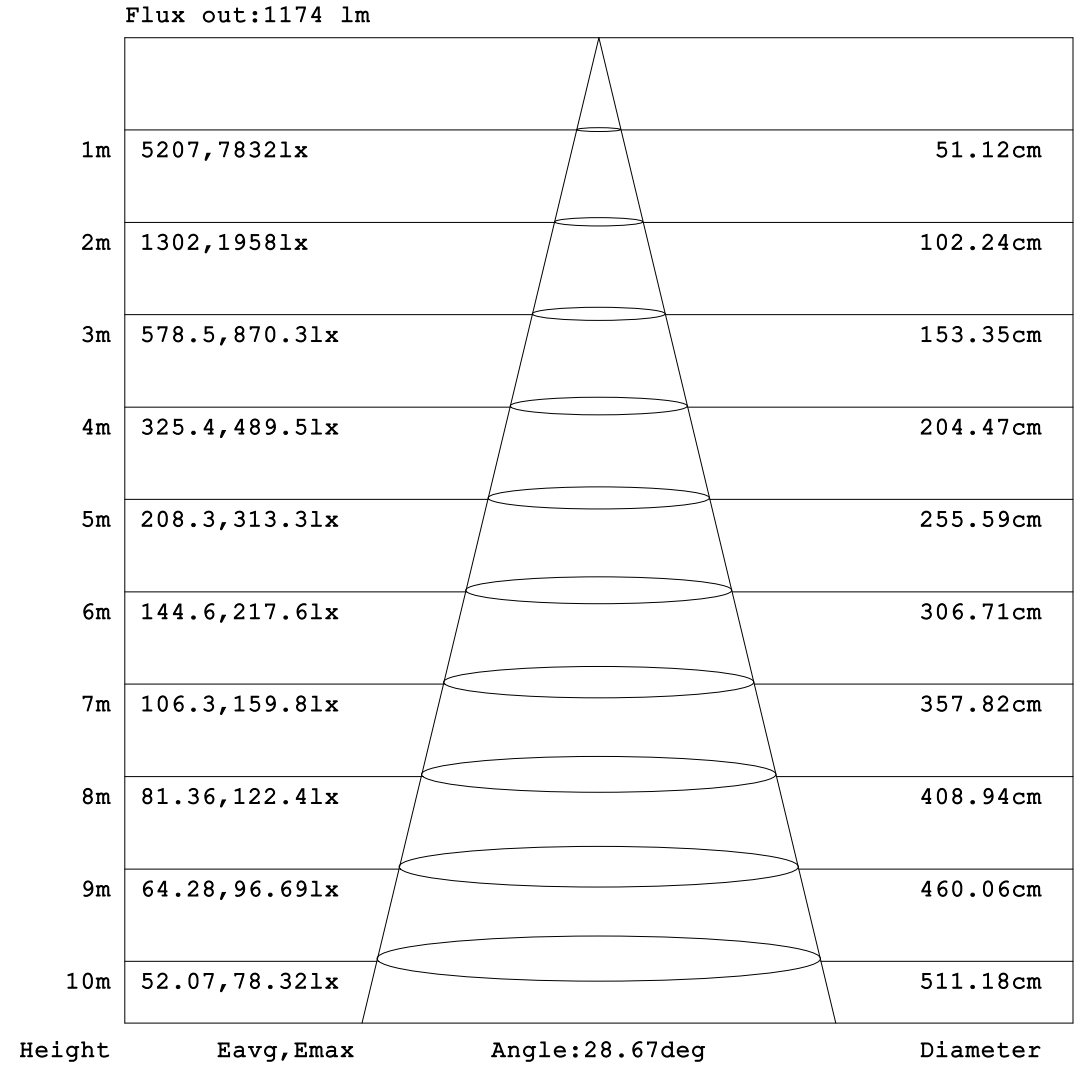
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Test Date:2023-11-14

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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-10X2701-5000K RA90 24D WHITE

AAI Figure

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D 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.

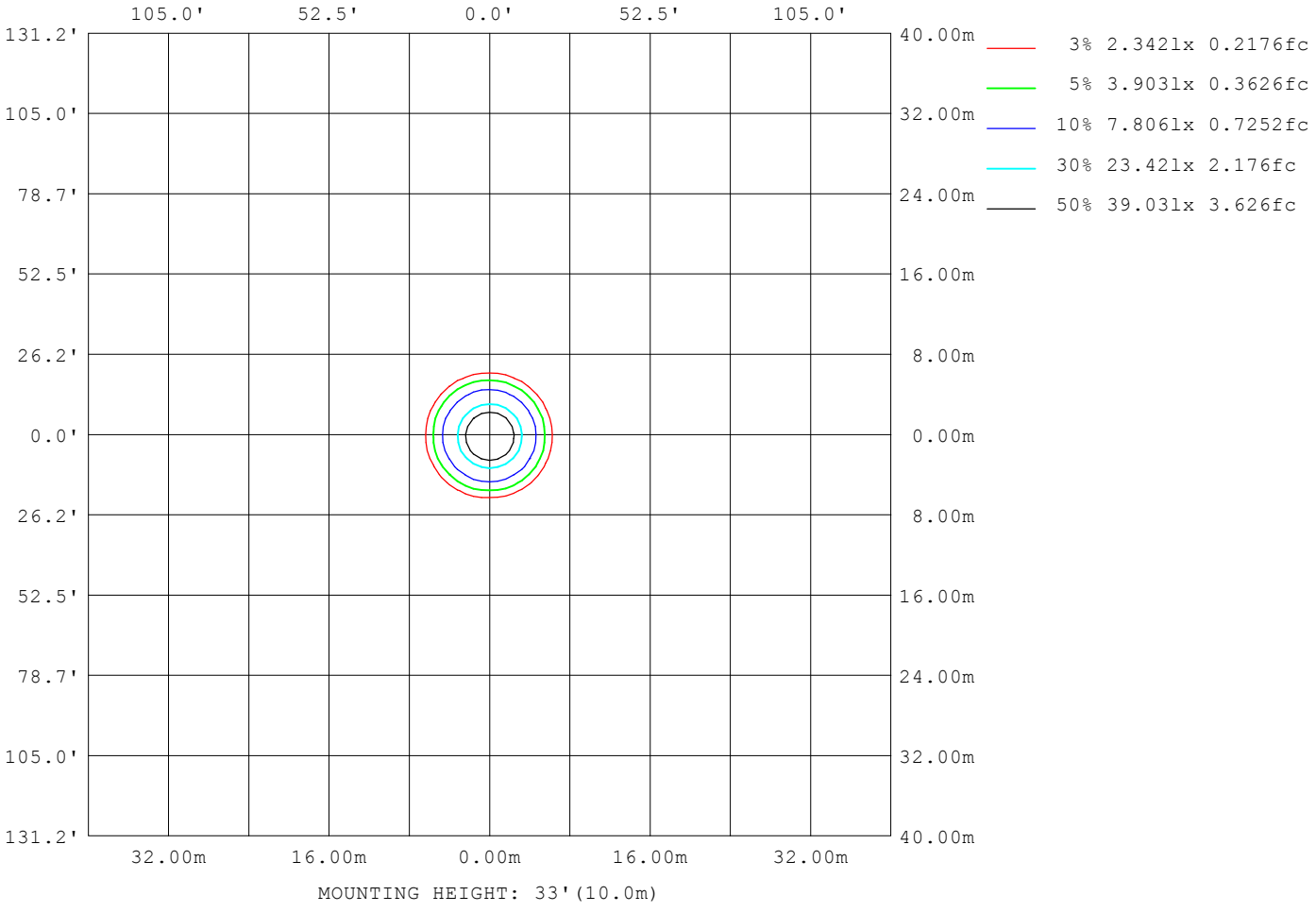
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D 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:2023-11-14

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:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	20631
L_0~180(75)av	17527
L_0~180(85)av	12831
L_90~270(65)av	20452
L_90~270(75)av	17432
L_90~270(85)av	12732
L_45(65)av	20534
L_45(75)av	17455
L_45(85)av	12654

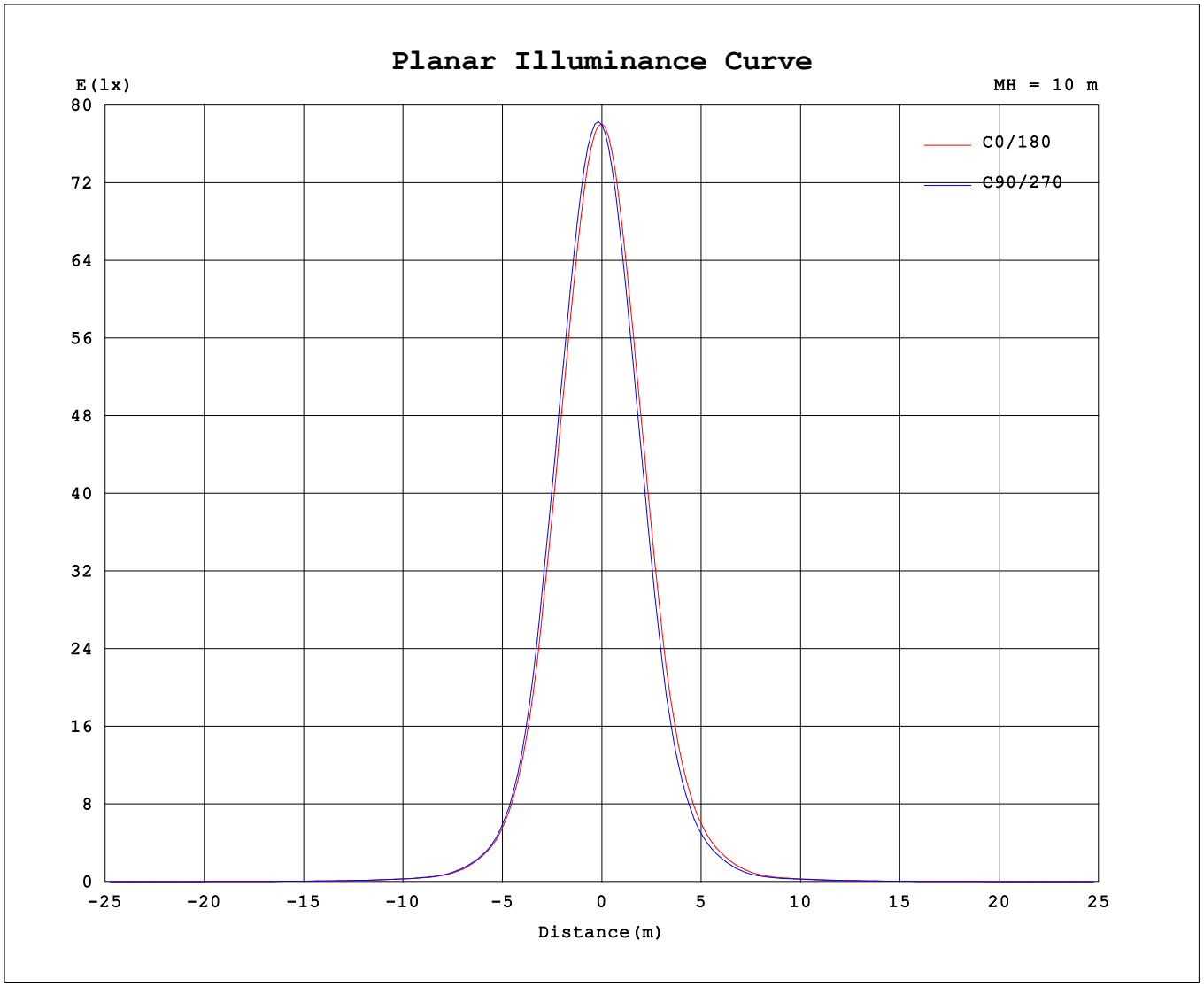
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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-10X2701-5000K RA90 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1161A P:27.6W PF:0.9906 Freq:49.99Hz UTHDi:0.25% ITHDi:42.73% KDisp:0.9941 Lamp Flux:2432.4x1 lm		
NAME: HCP-10X2701-5000K RA90 24D 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	7799	7799	7799	7799	7799	7799	7799	7799
5	7207	7407	7448	7317	7093	6897	6855	6981
10	5637	5929	5968	5793	5489	5232	5158	5336
15	3764	4057	4081	3943	3640	3367	3266	3472
20	2012	2215	2195	2157	2003	1834	1716	1839
25	980	1079	1042	1089	1037	968	866	925
30	482	526	502	557	537	513	446	472
35	239	267	258	280	267	245	216	228
40	118	130	129	136	128	116	108	113
45	84.1	87.9	87.7	89.0	85.5	79.9	77.2	81.2
50	64.1	66.5	65.9	65.1	62.0	58.7	57.6	60.9
55	47.2	49.0	48.9	48.2	46.0	43.7	43.0	44.9
60	35.9	36.9	36.9	36.8	35.4	34.1	33.9	34.3
65	29.0	30.1	30.0	29.6	28.6	27.3	27.0	27.6
70	21.8	22.8	22.7	22.2	21.2	20.2	20.2	20.7
75	15.4	16.2	16.0	15.5	14.6	13.7	13.8	14.3
80	9.51	10.2	10.0	9.38	8.55	7.82	7.94	8.53
85	4.18	4.71	4.59	3.96	3.20	2.60	2.73	3.29
90	0.12	0.10	0.13	0.09	0.11	0.11	0.12	0.11

C Range: 0 - 360DEG
C Interval: 45.0DEG
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Temperature:25.3DEG
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Test Date:2023-11-14

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-10X2701-5000K RA90 24D 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	7799	7799	7799	7799	7799	7799	7799	7799
3.0	7599	7720	7743	7674	7538	7407	7377	7460
6.0	6949	7178	7222	7062	6816	6603	6549	6688
9.0	5993	6273	6316	6144	5845	5595	5524	5699
12.0	4896	5203	5232	5074	4761	4495	4405	4602
15.0	3764	4057	4081	3943	3640	3367	3266	3472
18.0	2642	2901	2899	2812	2563	2356	2237	2406
21.0	1750	1944	1898	1901	1748	1618	1500	1601
24.0	1134	1249	1211	1253	1184	1102	996.5	1056
27.0	725.8	799.4	771.3	822.5	794.5	749.3	656.9	692.3
30.0	481.9	525.7	501.5	557.2	536.7	512.9	446.3	472.1
33.0	322.3	354.8	339.4	372.6	359.1	336.4	292.8	311.2
36.0	204.0	232.2	223.2	240.1	230.8	206.0	181.0	193.5
39.0	131.8	147.4	145.5	154.5	144.3	130.5	118.9	125.9
42.0	99.68	107.2	107.0	111.0	105.8	97.53	92.36	96.08
45.0	84.05	87.87	87.65	89.03	85.48	79.91	77.25	81.16
48.0	71.72	74.24	74.02	73.84	70.54	66.17	64.77	68.46
51.0	60.44	62.74	62.18	61.26	58.26	55.29	54.15	57.41
54.0	50.15	52.17	52.06	51.12	48.75	46.28	45.47	47.67
57.0	42.06	43.41	43.47	42.99	41.19	39.24	38.60	39.94
60.0	35.85	36.90	36.87	36.75	35.44	34.14	33.87	34.29
63.0	31.92	32.61	32.60	32.52	31.84	30.32	29.98	30.67
66.0	27.47	28.53	28.46	28.01	27.07	25.83	25.61	26.19
69.0	23.21	24.18	24.12	23.59	22.67	21.58	21.47	22.00
72.0	19.16	20.12	19.95	19.42	18.51	17.53	17.51	18.03
75.0	15.38	16.18	16.03	15.47	14.56	13.68	13.75	14.30
78.0	11.76	12.51	12.34	11.73	10.87	10.11	10.20	10.76
81.0	8.388	9.025	8.894	8.228	7.423	6.722	6.837	7.428
84.0	5.191	5.746	5.622	4.981	4.211	3.577	3.718	4.279
87.0	2.233	2.713	2.618	2.015	1.298	0.7518	0.8825	1.407
90.0	0.1223	0.0961	0.1266	0.0945	0.1063	0.1093	0.1231	0.1067

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: