

Luminaire Photograph



Light Output Ratio:	66.6%	
Luminaire Power:	0.9896 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.30	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: LIRONGTONG
Test Date: 2017-08-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65%
Test Distance: 2.990m [K=1.0000]
Remarks: LAMP: HL-A-3014H421W-S1-08-HR3 Ra: 80
DC24V 1W
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

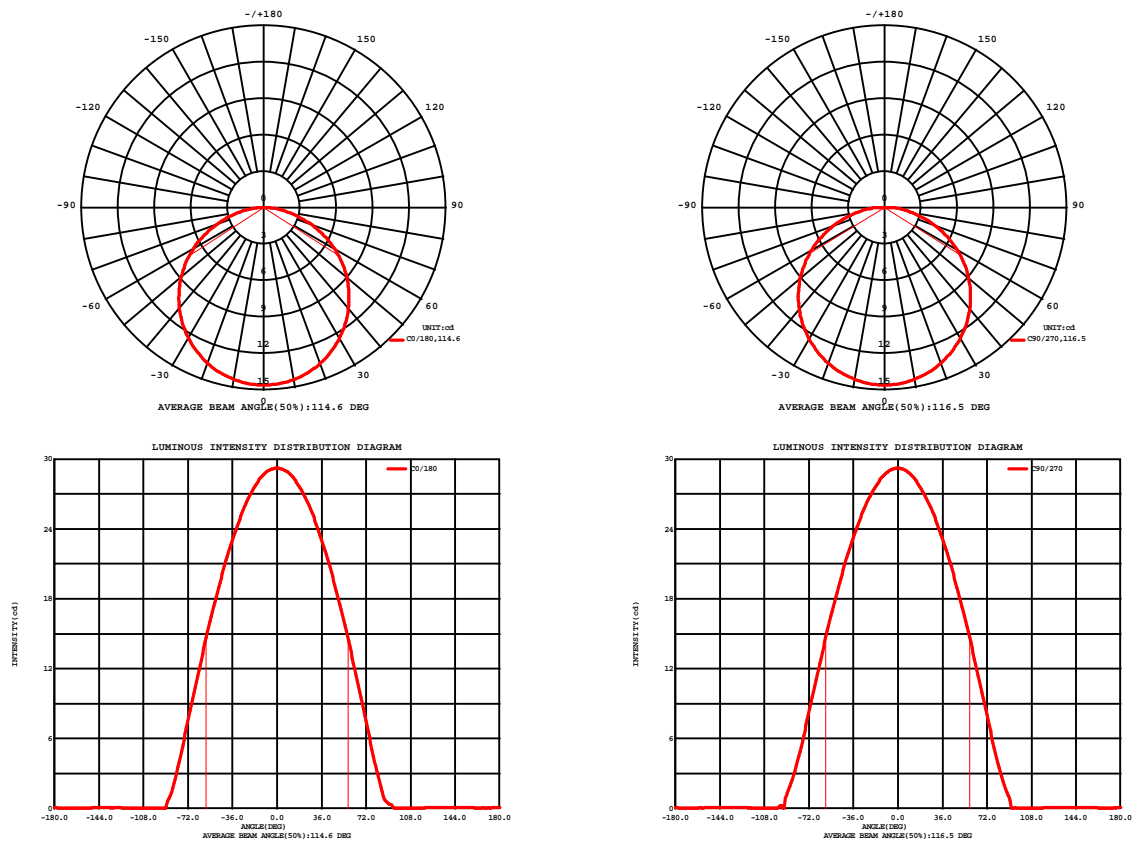


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: LIRONGTONG
Test Date: 2017-08-22

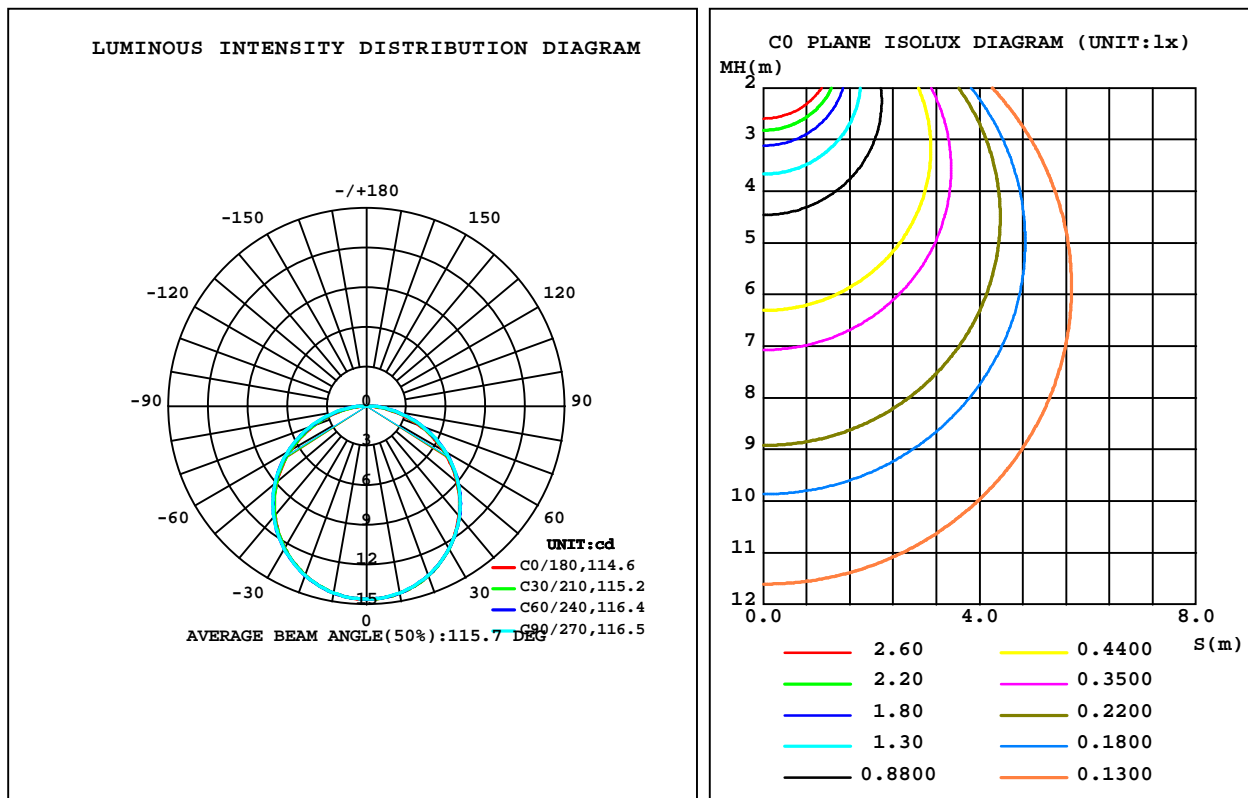
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Humidity: 65%
Test Distance: 2.990m [K=1.0000]
Remarks: LAMP: HL-A-3014H421W-S1-08-HR3 Ra: 80
DC24V 1W
30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm		
NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 44.38 lm/W			
MODEL	HONGLI	I _{max} (cd)	14.61	S/MH(C0/180)	1.26
NOMINAL POWER(W)	1	LOR(%)	66.6	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	43.915	h UP,DN(C0-180)	0.2,33.1
NOMINAL FLUX(lm)	65.9013	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.2,33.2
LAMPS INSIDE	1	h up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	66.3	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
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 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65%
 Test Distance:2.990m [K=1.0000]
 Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
 DC24V 1W
 30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	14.38	14.37	14.35	14.34	14.36	14.36	14.36	14.39	0- 10	1.383	1.383	3.15,2.1
20	13.66	13.65	13.62	13.60	13.61	13.63	13.63	13.67	10- 20	3.969	5.351	12.2,8.12
30	12.47	12.48	12.48	12.43	12.42	12.45	12.48	12.52	20- 30	6.040	11.39	25.9,17.3
40	10.88	10.94	10.94	10.85	10.81	10.89	10.95	10.99	30- 40	7.341	18.73	42.7,28.4
50	8.951	9.048	9.060	8.943	8.871	8.982	9.076	9.136	40- 50	7.711	26.44	60.2,40.1
60	6.711	6.863	6.891	6.748	6.633	6.782	6.913	6.973	50- 60	7.099	33.54	76.4,50.9
70	4.259	4.466	4.506	4.364	4.193	4.373	4.543	4.587	60- 70	5.569	39.11	89.1,59.3
80	1.814	2.063	2.155	2.020	1.769	2.014	2.229	2.231	70- 80	3.376	42.49	96.7,64.5
90	0.2038	0.3874	0.4446	0.4242	0.0003	0.4706	0.5690	0.5290	80- 90	1.207	43.69	99.5,66.3
100	0.0119	0.0113	0.0101	0.0116	0.0073	0.0080	0.0098	0.0083	90-100	0.0791	43.77	99.7,66.4
110	0.0189	0.0198	0.0209	0.0191	0.0160	0.0166	0.0181	0.0147	100-110	0.0180	43.79	99.7,66.4
120	0.0284	0.0368	0.0279	0.0279	0.0238	0.0292	0.0263	0.0222	110-120	0.0221	43.81	99.8,66.5
130	0.0336	0.0347	0.0335	0.0330	0.0277	0.0271	0.0325	0.0307	120-130	0.0322	43.84	99.8,66.5
140	0.0365	0.0406	0.0341	0.0522	0.0318	0.0356	0.0328	0.0470	130-140	0.0266	43.87	99.9,66.6
150	0.0331	0.0322	0.0351	0.0312	0.0261	0.0265	0.0312	0.0264	140-150	0.0214	43.89	99.9,66.6
160	0.0264	0.0288	0.0294	0.0266	0.0204	0.0225	0.0279	0.0251	150-160	0.0130	43.91	100,66.6
170	0.0274	0.0281	0.0263	0.0274	0.0223	0.0221	0.0248	0.0235	160-170	0.0071	43.91	100,66.6
180	0.0292	0.0296	0.0286	0.0287	0.0287	0.0300	0.0279	0.0287	170-180	0.0025	43.92	100,66.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Temperature:25DEG
Operators:LIRONGTONG
Test Date:2017-08-22

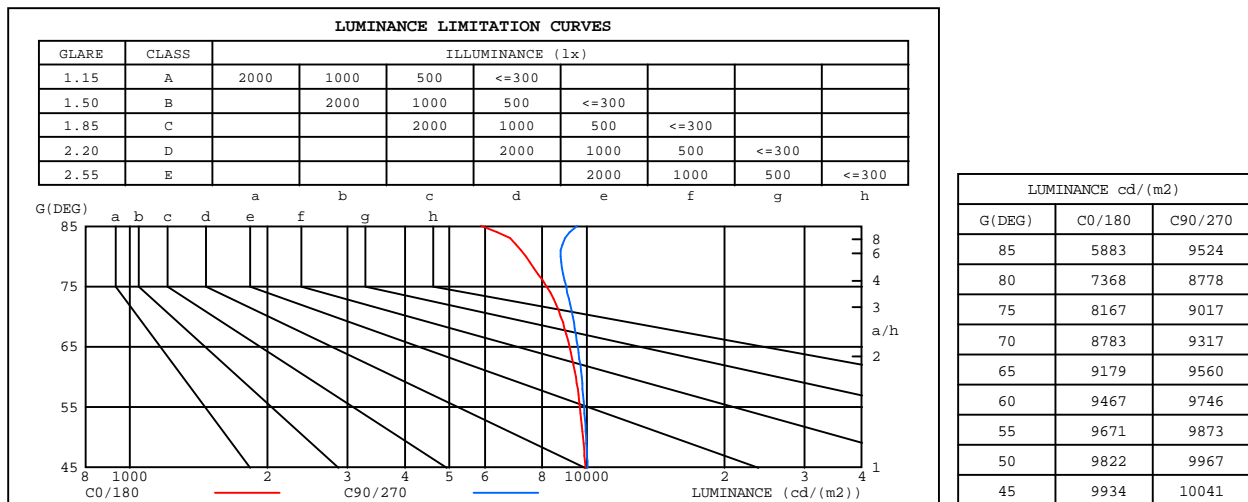
g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
DC24V 1W
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm		
NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	Shielding Angle:



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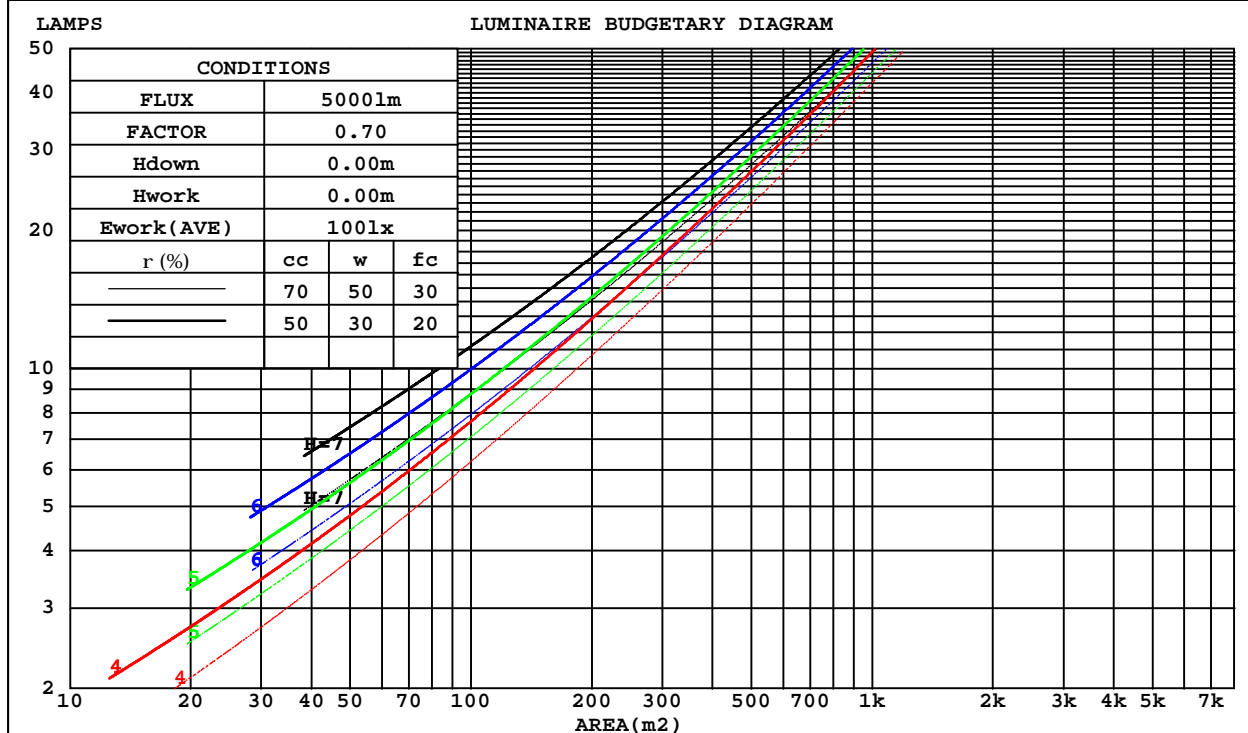


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.79	.79	.79	.77	.77	.77	.74	.74	.74	.71	.71	.71	.68	.68	.68	.66
1.0	.69	.66	.63	.67	.64	.62	.64	.62	.60	.61	.60	.58	.59	.58	.56	.55
2.0	.60	.55	.51	.58	.54	.50	.56	.52	.49	.54	.51	.48	.51	.49	.47	.45
3.0	.52	.47	.42	.51	.46	.42	.49	.45	.41	.47	.43	.40	.45	.42	.39	.38
4.0	.46	.40	.35	.45	.40	.35	.43	.39	.35	.42	.38	.34	.40	.37	.34	.32
5.0	.41	.35	.30	.40	.35	.30	.39	.34	.30	.37	.33	.29	.36	.32	.29	.28
6.0	.37	.31	.26	.36	.31	.26	.35	.30	.26	.34	.29	.26	.33	.29	.26	.24
7.0	.33	.27	.23	.33	.27	.23	.32	.27	.23	.31	.26	.23	.30	.26	.23	.21
8.0	.30	.25	.21	.30	.25	.21	.29	.24	.21	.28	.24	.20	.27	.23	.20	.19
9.0	.28	.22	.19	.28	.22	.19	.27	.22	.18	.26	.22	.18	.25	.21	.18	.17
10.0	.26	.20	.17	.25	.20	.17	.25	.20	.17	.24	.20	.17	.23	.19	.17	.15



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Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
DC24V 1W
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm		
NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0														
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
rfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.216	.123	.039	.211	.120	.038	.202	.116	.037	.194	.112	.036	.186	.108	.035															
2.0	.200	.110	.034	.196	.108	.033	.188	.105	.032	.181	.101	.032	.174	.098	.031															
3.0	.184	.098	.029	.180	.097	.029	.173	.094	.029	.167	.091	.028	.161	.089	.028															
4.0	.169	.088	.026	.166	.087	.026	.160	.085	.025	.154	.083	.025	.148	.081	.025															
5.0	.156	.079	.023	.153	.079	.023	.147	.077	.023	.142	.075	.022	.137	.073	.022															
6.0	.144	.072	.021	.142	.072	.021	.137	.070	.020	.132	.069	.020	.128	.067	.020															
7.0	.134	.066	.019	.132	.066	.019	.127	.064	.019	.123	.063	.018	.119	.062	.018															
8.0	.125	.061	.017	.123	.061	.017	.119	.059	.017	.115	.058	.017	.112	.057	.017															
9.0	.117	.057	.016	.115	.056	.016	.112	.055	.016	.108	.054	.016	.105	.053	.015															
10.0	.110	.053	.015	.108	.052	.015	.105	.051	.014	.102	.051	.014	.099	.050	.014															

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.129	.129	.129	.111	.111	.111	.076	.076	.076	.043	.043	.043	.014	.014	.014	
1.0	.123	.107	.091	.106	.091	.079	.072	.063	.054	.042	.036	.032	.013	.012	.010	
2.0	.118	.090	.067	.101	.078	.058	.069	.054	.041	.040	.031	.024	.013	.010	.008	
3.0	.113	.079	.052	.097	.068	.045	.067	.047	.031	.038	.028	.018	.012	.009	.006	
4.0	.108	.070	.041	.093	.060	.036	.064	.042	.025	.037	.025	.015	.012	.008	.005	
5.0	.103	.063	.034	.088	.055	.029	.061	.038	.021	.035	.022	.012	.011	.007	.004	
6.0	.098	.058	.028	.084	.050	.025	.058	.035	.018	.034	.021	.010	.011	.007	.003	
7.0	.094	.053	.025	.080	.046	.021	.056	.032	.015	.032	.019	.009	.010	.006	.003	
8.0	.089	.049	.022	.077	.043	.019	.053	.030	.013	.031	.018	.008	.010	.006	.003	
9.0	.085	.046	.019	.073	.040	.017	.051	.028	.012	.030	.017	.007	.010	.005	.002	
10.0	.081	.043	.018	.070	.037	.015	.049	.026	.011	.028	.016	.006	.009	.005	.002	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:LIRONGTONG
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g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
DC24V 1W
30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm										
NAME: 1510.023A.3BTA					TYPE:			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:1708220073		
MFR.: RISE					SUR.:0.0017m2			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	30.8	32.4	31.1	32.6	32.8	30.9	32.5	31.2	32.7	32.9
3H	32.4	33.8	32.7	34.1	34.3	32.6	34.0	32.9	34.3	34.5
4H	33.1	34.4	33.4	34.7	34.9	33.3	34.7	33.6	34.9	35.2
6H	33.5	34.8	33.8	35.1	35.4	33.9	35.1	34.2	35.4	35.7
8H	33.6	34.9	34.0	35.2	35.5	34.1	35.3	34.4	35.6	35.9
12H	33.7	34.9	34.1	35.2	35.5	34.3	35.5	34.6	35.8	36.1
4H 2H	31.5	32.9	31.8	33.1	33.4	31.6	32.9	31.9	33.2	33.5
3H	33.3	34.5	33.6	34.8	35.1	33.4	34.6	33.8	34.9	35.3
4H	34.0	35.1	34.4	35.5	35.8	34.3	35.4	34.7	35.7	36.0
6H	34.6	35.6	35.0	36.0	36.3	35.0	36.0	35.4	36.3	36.7
8H	34.8	35.7	35.2	36.1	36.5	35.3	36.2	35.7	36.5	36.9
12H	34.9	35.8	35.4	36.2	36.6	35.5	36.3	35.9	36.7	37.2
8H 4H	34.4	35.3	34.8	35.6	36.0	34.6	35.5	35.0	35.9	36.3
6H	35.1	35.9	35.6	36.3	36.7	35.5	36.2	35.9	36.6	37.1
8H	35.4	36.1	35.9	36.5	37.0	35.9	36.5	36.3	37.0	37.4
12H	35.6	36.2	36.1	36.7	37.1	36.2	36.8	36.7	37.3	37.8
12H 4H	34.4	35.2	34.8	35.6	36.0	34.6	35.4	35.0	35.8	36.2
6H	35.2	35.9	35.7	36.3	36.8	35.5	36.2	36.0	36.6	37.1
8H	35.5	36.1	36.0	36.6	37.1	36.0	36.6	36.5	37.0	37.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 65.90 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -9.4)

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UTILIZATION FACTORS TABLE

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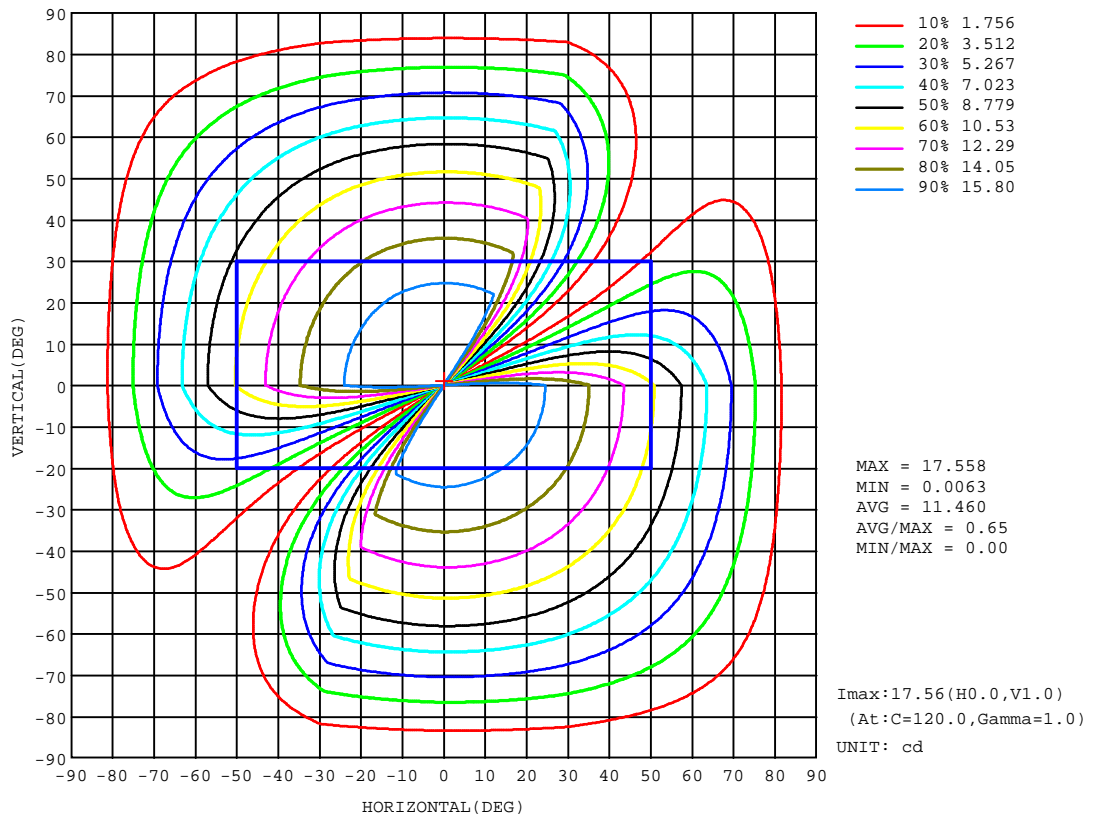
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	38	30	25	37	30	25	36	29	25	20
0.80	44	36	31	44	36	31	42	35	31	26
1.00	50	42	37	49	42	37	47	43	37	32
1.25	55	47	42	54	47	42	52	46	42	37
1.50	58	51	46	57	50	46	55	49	45	40
2.00	63	57	52	61	56	52	59	54	51	45
2.50	65	60	56	64	59	55	61	57	54	48
3.00	68	63	59	66	62	58	63	60	57	51
4.00	70	66	63	69	65	62	66	63	60	54
5.00	72	69	66	70	67	65	67	65	63	56
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

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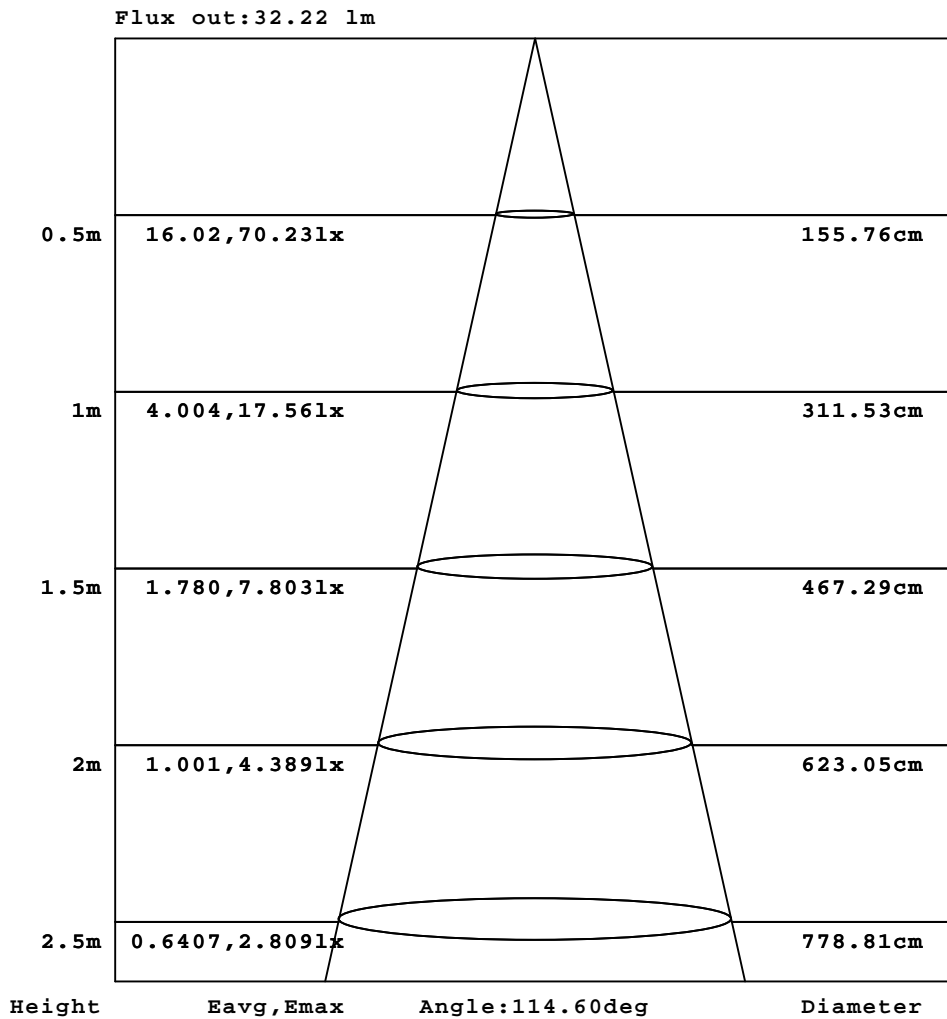


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Temperature:25DEG
Operators:LIRONGTONG
Test Date:2017-08-22

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
DC24V 1W
30minutes warm-up

AAI Figure

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm		
NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	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: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:LIRONGTONG
Test Date:2017-08-22

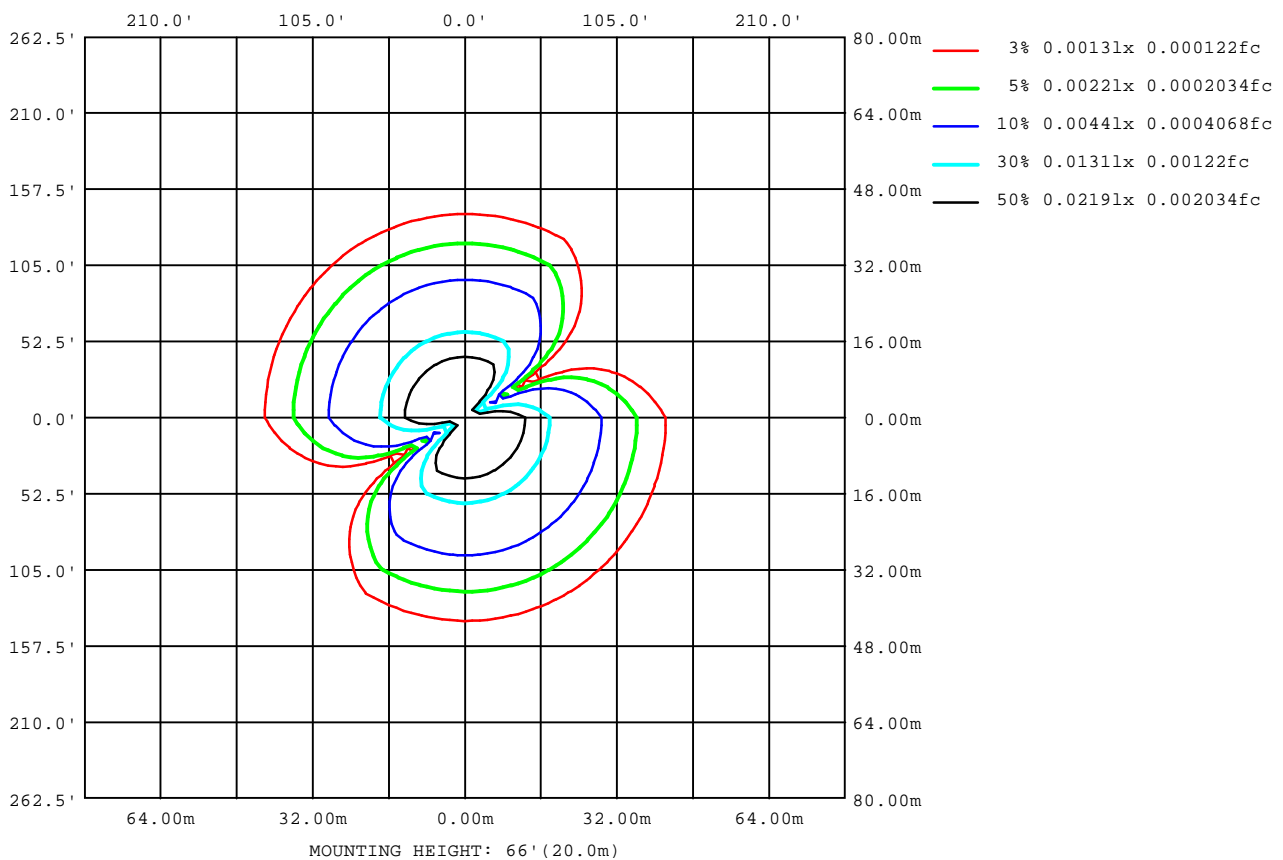
g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
DC24V 1W
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm		
NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:LIRONGTONG
Test Date:2017-08-22

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
DC24V 1W
30minutes warm-up

LED Avg.L Report

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm		
NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	Shielding Angle:

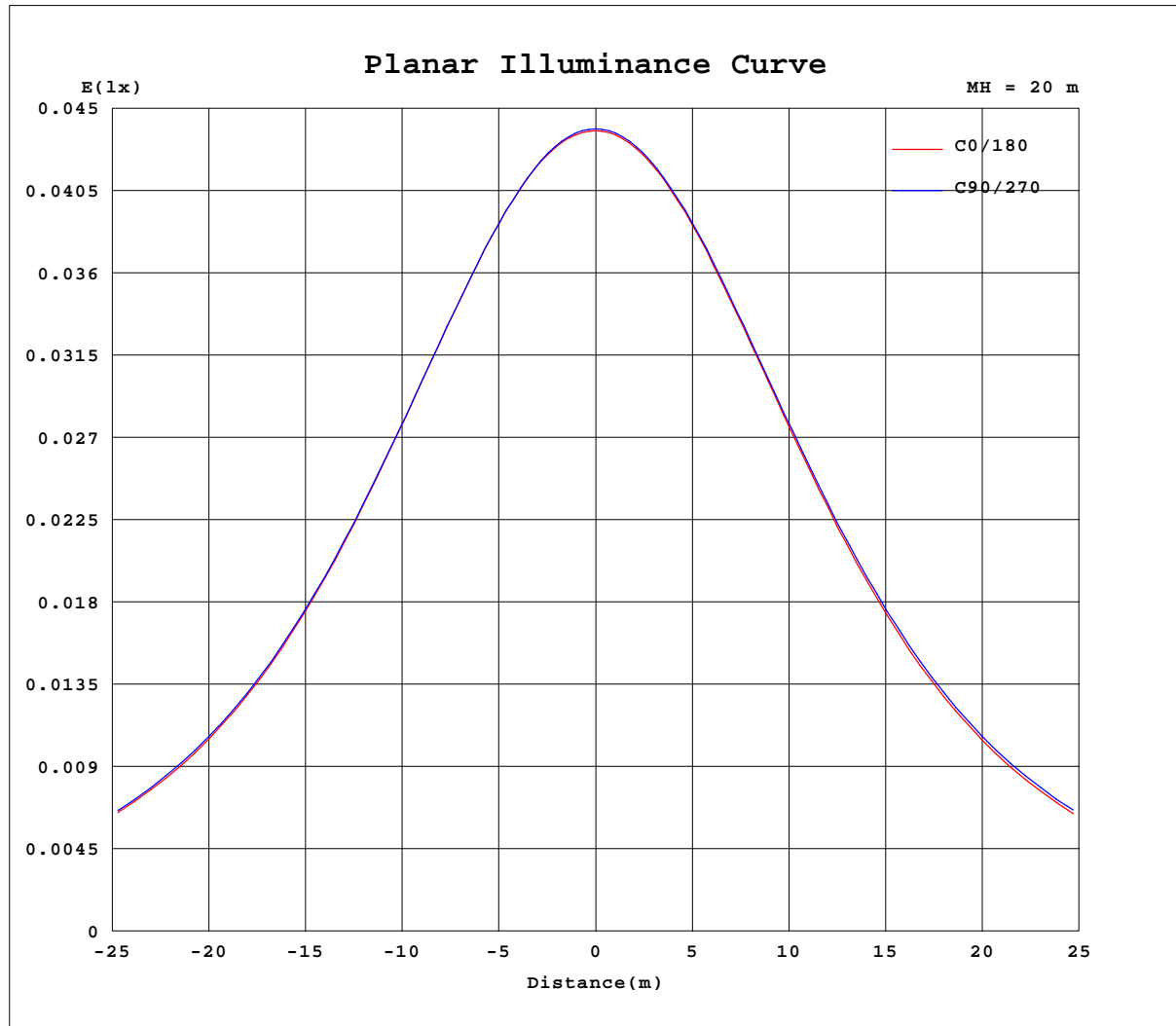
AvgL	cd/m2
L_0~180(65)av	7603
L_0~180(75)av	6760
L_0~180(85)av	4769
L_90~270(65)av	7972
L_90~270(75)av	7553
L_90~270(85)av	8212
L_45(65)av	7904
L_45(75)av	7378
L_45(85)av	7854

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:LIRONGTONG
Test Date:2017-08-22

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80
DC24V 1W
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: LIRONGTONG
 Test Date: 2017-08-22

deg Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65%
 Test Distance: 2.990m [K=1.0000]
 Remarks: LAMP: HL-A-3014H421W-S1-08-HR3 Ra: 80
 DC24V 1W
 30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.966V I:0.0413A P:0.9896W PF:0.9999 Freq:0Hz Lamp Flux:65.9013x1 lm		
NAME: 1510.023A.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220073
MFR.: RISE	SUR.:0.0017m2	Shielding Angle:

Table--1

UNIT: cd

C(°) g (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	14.6	14.6	14.6	14.6	14.6	0.00	14.6	14.6	14.6	14.6	14.6	0.00						
5	14.6	14.6	14.5	14.5	14.5	0.00	14.5	14.5	14.5	14.5	14.6	0.00						
10	14.4	14.4	14.4	14.4	14.3	0.00	14.4	14.4	14.4	14.4	14.4	0.00						
15	14.1	14.1	14.1	14.0	14.0	0.00	14.0	14.0	14.1	14.1	14.1	0.00						
20	13.7	13.7	13.6	13.6	13.6	0.00	13.6	13.6	13.6	13.6	13.7	0.00						
25	13.1	13.1	13.1	13.1	13.1	0.00	13.1	13.1	13.1	13.1	13.1	0.00						
30	12.5	12.5	12.5	12.5	12.4	0.00	12.4	12.4	12.5	12.5	12.5	0.00						
35	11.7	11.8	11.8	11.8	11.7	0.00	11.7	11.7	11.8	11.8	11.8	0.00						
40	10.9	10.9	11.0	10.9	10.9	0.00	10.8	10.8	10.9	11.0	11.0	0.00						
45	9.96	10.0	10.1	10.0	9.90	0.00	9.88	9.90	10.0	10.1	10.1	0.00						
50	8.95	9.02	9.08	9.06	8.94	0.00	8.87	8.90	9.06	9.08	9.14	0.00						
55	7.86	7.95	8.03	8.01	7.87	0.00	7.78	7.82	8.00	8.03	8.09	0.00						
60	6.71	6.82	6.91	6.89	6.75	0.00	6.63	6.69	6.88	6.91	6.97	0.00						
65	5.50	5.63	5.74	5.71	5.58	0.00	5.42	5.49	5.70	5.74	5.79	0.00						
70	4.26	4.40	4.53	4.51	4.36	0.00	4.19	4.26	4.49	4.54	4.59	0.00						
75	3.00	3.16	3.32	3.30	3.15	0.00	2.95	3.02	3.29	3.35	3.37	0.00						
80	1.81	1.96	2.16	2.16	2.02	0.00	1.77	1.85	2.18	2.23	2.23	0.00						
85	0.73	0.95	1.20	1.17	1.11	0.00	0.69	0.92	1.23	1.26	1.25	0.00						
90	0.20	0.32	0.46	0.44	0.42	0.00	0.00	0.37	0.58	0.57	0.53	0.00						
95	0.01	0.00	0.01	0.05	0.03	0.00	0.00	0.00	0.15	0.14	0.03	0.00						
100	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00						
105	0.02	0.05	0.01	0.01	0.02	0.00	0.01	0.07	0.01	0.01	0.01	0.00						
110	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02	0.02	0.02	0.01	0.00						
115	0.03	0.02	0.02	0.03	0.02	0.00	0.02	0.02	0.02	0.02	0.02	0.00						
120	0.03	0.04	0.03	0.03	0.03	0.00	0.02	0.04	0.02	0.03	0.02	0.00						
125	0.03	0.07	0.03	0.03	0.03	0.00	0.03	0.07	0.02	0.03	0.03	0.00						
130	0.03	0.03	0.04	0.03	0.03	0.00	0.03	0.03	0.03	0.03	0.03	0.00						
135	0.04	0.03	0.04	0.04	0.04	0.00	0.03	0.03	0.03	0.03	0.04	0.00						
140	0.04	0.03	0.05	0.03	0.05	0.00	0.03	0.03	0.04	0.03	0.05	0.00						
145	0.04	0.04	0.03	0.03	0.03	0.00	0.03	0.03	0.03	0.03	0.03	0.00						
150	0.03	0.03	0.03	0.04	0.03	0.00	0.03	0.03	0.03	0.03	0.03	0.00						
155	0.03	0.03	0.03	0.03	0.03	0.00	0.02	0.02	0.02	0.03	0.03	0.00						
160	0.03	0.03	0.03	0.03	0.03	0.00	0.02	0.02	0.02	0.03	0.03	0.00						
165	0.03	0.03	0.03	0.03	0.03	0.00	0.02	0.02	0.02	0.03	0.02	0.00						
170	0.03	0.03	0.03	0.03	0.03	0.00	0.02	0.02	0.02	0.02	0.02	0.00						
175	0.03	0.03	0.03	0.03	0.03	0.00	0.02	0.02	0.03	0.03	0.03	0.00						
180	0.03	0.03	0.03	0.03	0.03	0.00	0.03	0.03	0.03	0.03	0.03	0.00						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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g Range: 0 - 180DEG
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