

Luminaire Photograph



Light Output Ratio:	36.1%	
Luminaire Power:	2.778 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: LIRONGTONG
Test Date: 2018-01-20

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: XPG BWT-L1-0000-00DZ7 Ra: 80
DC24V 3W
LENS: PS-0335 25R
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

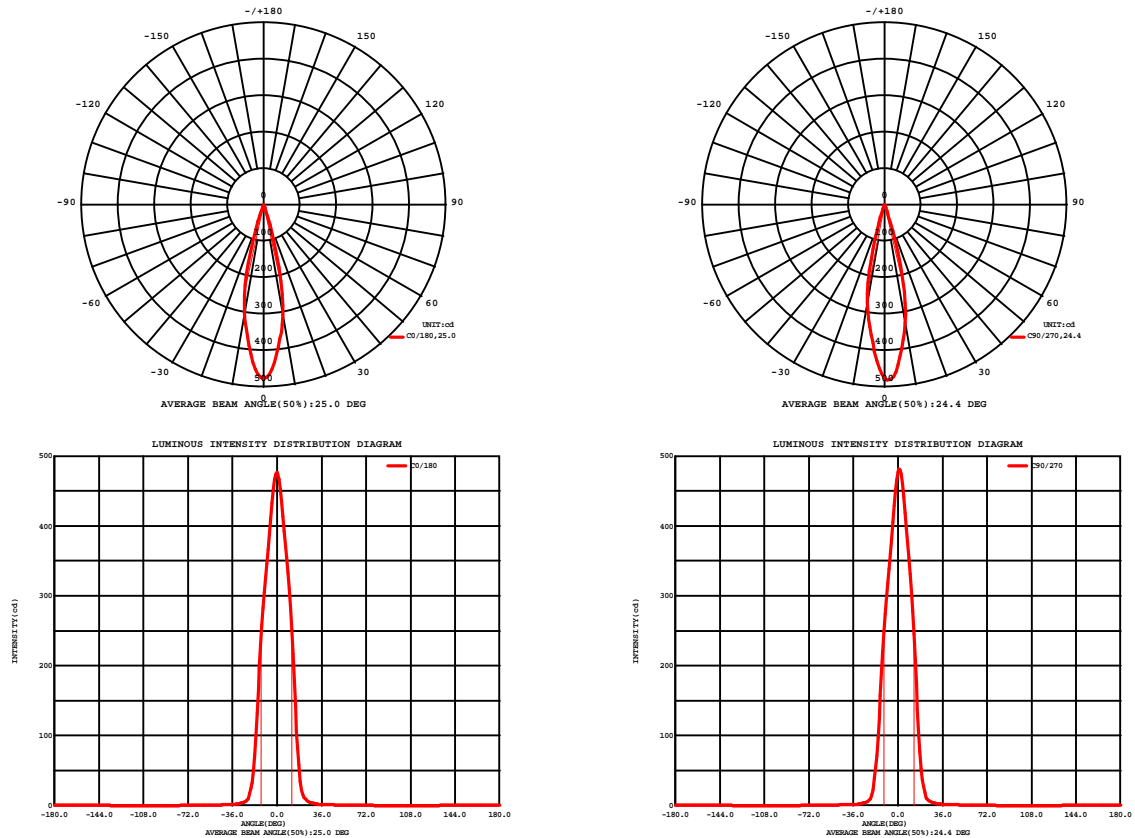


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: LIRONGTONG
Test Date: 2018-01-20

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: XPGBWT-L1-0000-00DZ7 Ra: 80
DC24V 3W
LENS: PS-0335 25R
30minutes warm-up

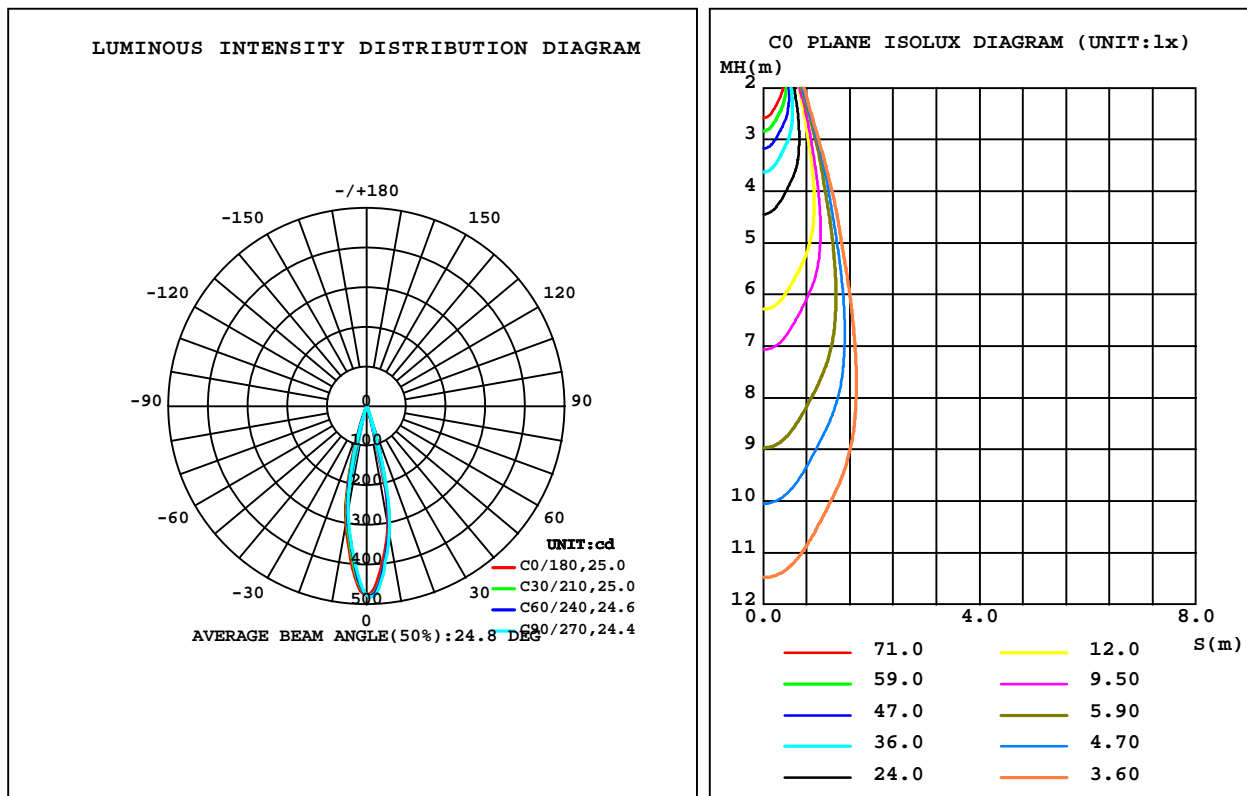


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 30.02 lm/W			
MODEL	CREE	I _{max} (cd)	480.9	S/MH(C0/180)	0.41
NOMINAL POWER(W)	3	LOR(%)	36.1	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	83.394	h UP,DN(C0-180)	0.1,19.1
NOMINAL FLUX(lm)	230.98	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,16.8
LAMPS INSIDE	1	h up(%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	h down(%)	35.9	CIBSE SHR MAX	1.00



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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:XPGBWT-L1-0000-00DZ7 Ra:80
DC24V 3W
LENS:PS-0335 25R
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	310.0	326.9	330.8	330.7	304.6	286.1	274.3	288.9	0- 10	35.97	35.97	43.1,15.6
20	22.63	29.47	35.76	44.58	32.08	31.55	22.85	24.19	10- 20	40.62	76.59	91.8,33.2
30	2.800	2.877	3.341	3.326	2.803	2.687	2.555	2.385	20- 30	3.912	80.50	96.5,34.9
40	1.217	1.418	1.577	1.308	1.070	1.187	1.124	1.283	30- 40	1.092	81.59	97.8,35.3
50	0.7696	0.7409	0.8372	0.8272	0.6602	0.7679	0.7457	1.033	40- 50	0.8318	82.43	98.8,35.7
60	0.2214	0.2351	0.2680	0.2680	0.1891	0.2779	0.2738	0.3186	50- 60	0.4347	82.86	99.4,35.9
70	0.0198	0.0202	0.0285	0.0306	0.0242	0.0357	0.0282	0.0235	60- 70	0.1365	83.00	99.5,35.9
80	0	0	0	0	0	0.0000	0	0	70- 80	0.0115	83.01	99.5,35.9
90	0	0	0	0	0	0	0	0	80- 90	0.0000	83.01	99.5,35.9
100	0	0	0	0	0	0	0	0	90-100	0	83.01	99.5,35.9
110	0	0	0	0	0	0	0	0	100-110	0	83.01	99.5,35.9
120	0	0	0	0	0	0	0	0	110-120	0	83.01	99.5,35.9
130	0	0	0	0	0	0	0	0	120-130	0	83.01	99.5,35.9
140	0.0497	0.0425	0.0349	0.0338	0.0241	0.0257	0.0341	0.0345	130-140	0.0061	83.01	99.5,35.9
150	0.2690	0.2452	0.2264	0.2147	0.2104	0.2156	0.2481	0.2408	140-150	0.0723	83.09	99.6,36
160	0.4913	0.5015	0.4974	0.4059	0.3966	0.4115	0.4560	0.4405	150-160	0.1621	83.25	99.8,36
170	0.3961	0.3640	0.3589	0.3441	0.3164	0.2857	0.2718	0.3311	160-170	0.1195	83.37	100,36.1
180	0.1782	0.1842	0.1861	0.1887	0.1791	0.1836	0.1865	0.1882	170-180	0.0251	83.39	100,36.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Temperature:25DEG
Operators:LIRONGTONG
Test Date:2018-01-20

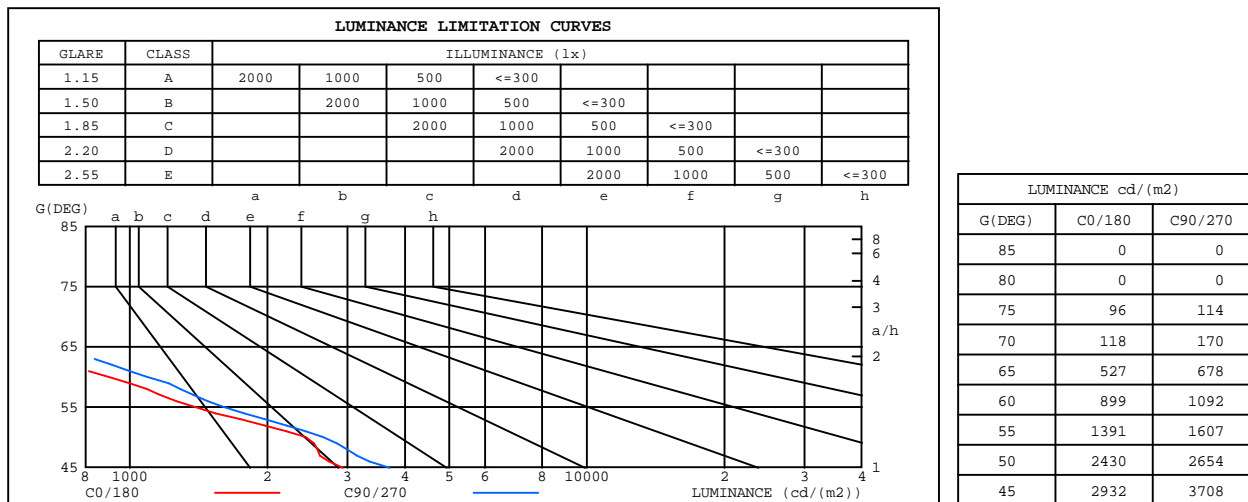
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Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:XPGBWT-L1-0000-00DZ7 Ra:80
DC24V 3W
LENS:PS-0335 25R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	Shielding Angle:



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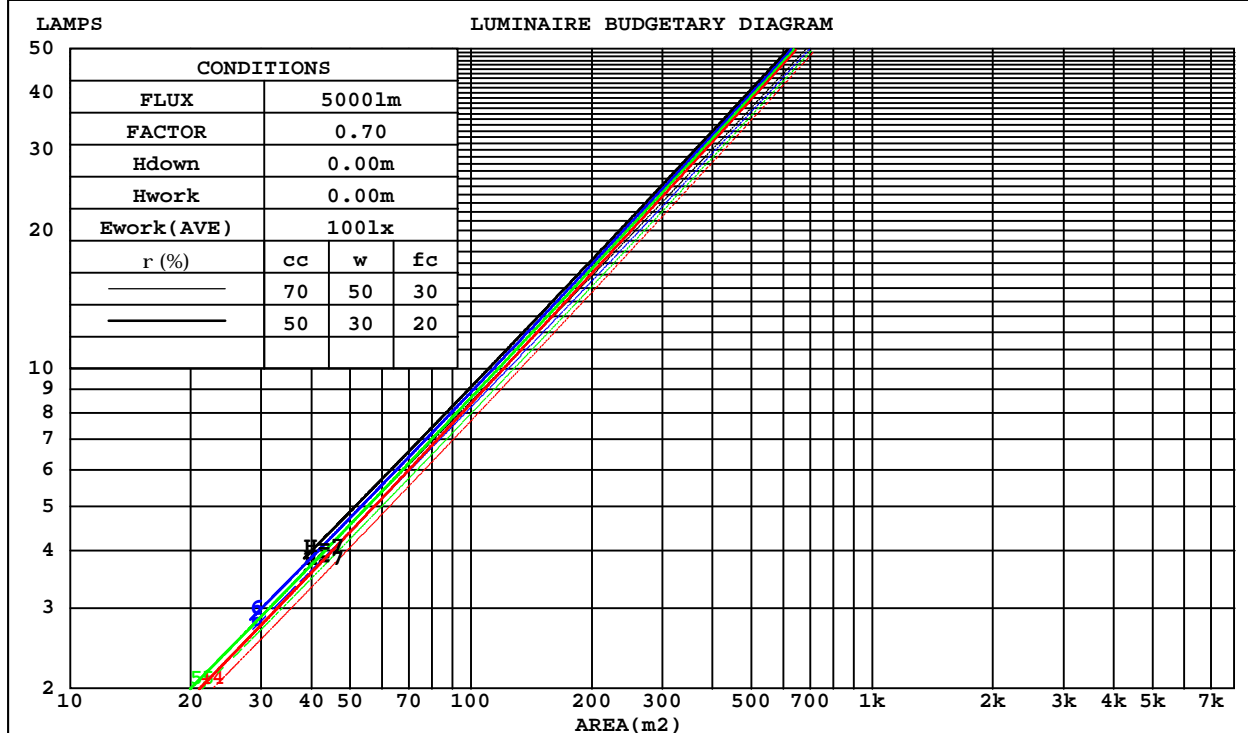


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	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			Coefficients of Utilization(CU)												
0.0	.43	.43	.43	.42	.42	.42	.40	.40	.40	.38	.38	.38	.37	.37	.37	.36
1.0	.41	.40	.40	.40	.40	.39	.39	.38	.38	.37	.37	.37	.36	.36	.36	.35
2.0	.39	.38	.37	.39	.38	.37	.37	.37	.36	.36	.36	.35	.35	.35	.35	.34
3.0	.38	.37	.36	.37	.36	.35	.36	.35	.35	.35	.35	.34	.35	.34	.34	.33
4.0	.36	.35	.34	.36	.35	.34	.35	.34	.34	.35	.34	.33	.34	.33	.33	.32
5.0	.35	.34	.33	.35	.34	.33	.34	.33	.33	.34	.33	.32	.33	.33	.32	.32
6.0	.34	.33	.32	.34	.33	.32	.34	.32	.32	.33	.32	.31	.33	.32	.31	.31
7.0	.33	.32	.31	.33	.32	.31	.33	.32	.31	.32	.31	.31	.32	.31	.31	.30
8.0	.33	.31	.30	.32	.31	.30	.32	.31	.30	.32	.31	.30	.31	.31	.30	.30
9.0	.32	.30	.30	.32	.30	.30	.31	.30	.29	.31	.30	.29	.31	.30	.29	.29
10.0	.31	.30	.29	.31	.30	.29	.31	.30	.29	.30	.29	.29	.30	.29	.29	.28



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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:XPGBWT-L1-0000-00DZ7 Ra:80
DC24V 3W
LENS:PS-0335 25R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	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	.046	.026	.008	.044	.025	.008	.039	.022	.007	.035	.020	.006	.031	.018	.006	
2.0	.042	.023	.007	.040	.022	.007	.037	.020	.006	.033	.019	.006	.030	.017	.005	
3.0	.039	.021	.006	.038	.020	.006	.034	.019	.006	.032	.017	.005	.029	.016	.005	
4.0	.037	.019	.006	.035	.018	.005	.033	.017	.005	.030	.016	.005	.028	.015	.005	
5.0	.034	.017	.005	.033	.017	.005	.031	.016	.005	.029	.015	.005	.027	.014	.004	
6.0	.032	.016	.005	.031	.016	.005	.029	.015	.004	.027	.014	.004	.026	.014	.004	
7.0	.030	.015	.004	.030	.015	.004	.028	.014	.004	.026	.014	.004	.025	.013	.004	
8.0	.029	.014	.004	.028	.014	.004	.027	.013	.004	.025	.013	.004	.024	.012	.004	
9.0	.028	.013	.004	.027	.013	.004	.026	.013	.004	.024	.012	.004	.023	.012	.003	
10.0	.026	.013	.004	.026	.012	.003	.025	.012	.003	.024	.012	.003	.023	.011	.003	

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	.070	.070	.070	.060	.060	.060	.041	.041	.041	.023	.023	.023	.008	.008	.008	
1.0	.062	.058	.055	.053	.050	.047	.036	.034	.033	.021	.020	.019	.007	.006	.006	
2.0	.055	.049	.044	.047	.042	.038	.032	.029	.027	.019	.017	.016	.006	.006	.005	
3.0	.049	.042	.036	.042	.036	.032	.029	.025	.022	.017	.015	.013	.005	.005	.004	
4.0	.045	.037	.030	.038	.032	.026	.026	.022	.019	.015	.013	.011	.005	.004	.004	
5.0	.041	.032	.026	.035	.028	.022	.024	.019	.016	.014	.011	.009	.005	.004	.003	
6.0	.037	.028	.022	.032	.025	.019	.022	.017	.013	.013	.010	.008	.004	.003	.003	
7.0	.035	.025	.019	.030	.022	.017	.021	.015	.012	.012	.009	.007	.004	.003	.002	
8.0	.032	.023	.017	.028	.020	.014	.019	.014	.010	.011	.008	.006	.004	.003	.002	
9.0	.030	.021	.015	.026	.018	.013	.018	.013	.009	.010	.007	.005	.003	.002	.002	
10.0	.028	.019	.013	.024	.017	.011	.017	.012	.008	.010	.007	.005	.003	.002	.002	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:LIRONGTONG
Test Date:2018-01-20

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:XPGBWT-L1-0000-00DZ7 Ra:80
DC24V 3W
LENS:PS-0335 25R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm										
NAME: 1619.205					TYPE:			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:1801200246		
MFR.: RISE					SUR.:0.0004906m2			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	8.1	8.7	8.3	8.8	9.0	9.6	10.1	9.8	10.3	10.5
	3H	8.0	8.6	8.3	8.8	9.0	9.5	10.1	9.8	10.3
	4H	8.0	8.5	8.2	8.7	8.9	9.5	10.0	9.7	10.2
	6H	7.9	8.4	8.2	8.6	8.9	9.4	9.9	9.7	10.1
	8H	7.8	8.3	8.1	8.6	8.8	9.3	9.8	9.6	10.1
	12H	7.8	8.3	8.1	8.5	8.8	9.3	9.7	9.6	10.0
4H	2H	8.1	8.7	8.4	8.9	9.1	9.5	10.0	9.8	10.2
	3H	8.1	8.5	8.4	8.8	9.0	9.4	9.9	9.7	10.2
	4H	8.0	8.4	8.3	8.7	9.0	9.3	9.8	9.7	10.1
	6H	7.9	8.2	8.2	8.6	8.9	9.2	9.6	9.6	9.9
	8H	7.8	8.2	8.2	8.5	8.9	9.2	9.5	9.6	9.9
	12H	7.7	8.1	8.2	8.4	8.8	9.1	9.4	9.5	9.8
8H	4H	7.8	8.2	8.2	8.5	8.9	9.2	9.5	9.6	9.9
	6H	7.7	8.0	8.1	8.4	8.8	9.1	9.4	9.5	9.8
	8H	7.6	7.9	8.1	8.3	8.8	9.0	9.3	9.5	9.7
	12H	7.6	7.8	8.0	8.2	8.7	8.9	9.2	9.4	9.6
12H	4H	7.7	8.1	8.2	8.4	8.8	9.1	9.4	9.5	9.8
	6H	7.6	7.9	8.1	8.3	8.8	9.0	9.3	9.5	9.7
	8H	7.6	7.8	8.0	8.2	8.7	8.9	9.2	9.4	9.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.9 / - 3.0					+ 2.2 / - 3.1				
1.5H	+ 1.1 / - 2.9					+ 1.2 / - 2.1				
2.0H	+ 3.7 / - 4.7					+ 3.8 / - 4.3				

CIE Pub.117, 231.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.1)

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UTILIZATION FACTORS TABLE

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SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	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) $k(RI) \times RCR = 5$									
k = 0.60	33	30	29	32	30	29	32	30	29	28
0.80	35	33	32	35	33	32	34	33	32	31
1.00	37	35	33	36	35	33	36	34	33	32
1.25	38	36	35	37	36	35	37	35	35	33
1.50	39	37	36	38	37	36	37	36	35	34
2.00	40	38	37	39	38	37	38	37	36	34
2.50	40	39	38	39	38	37	38	37	37	35
3.00	41	39	39	40	39	38	39	38	37	35
4.00	41	40	40	41	40	39	39	39	38	36
5.00	42	41	40	41	40	40	39	39	39	36
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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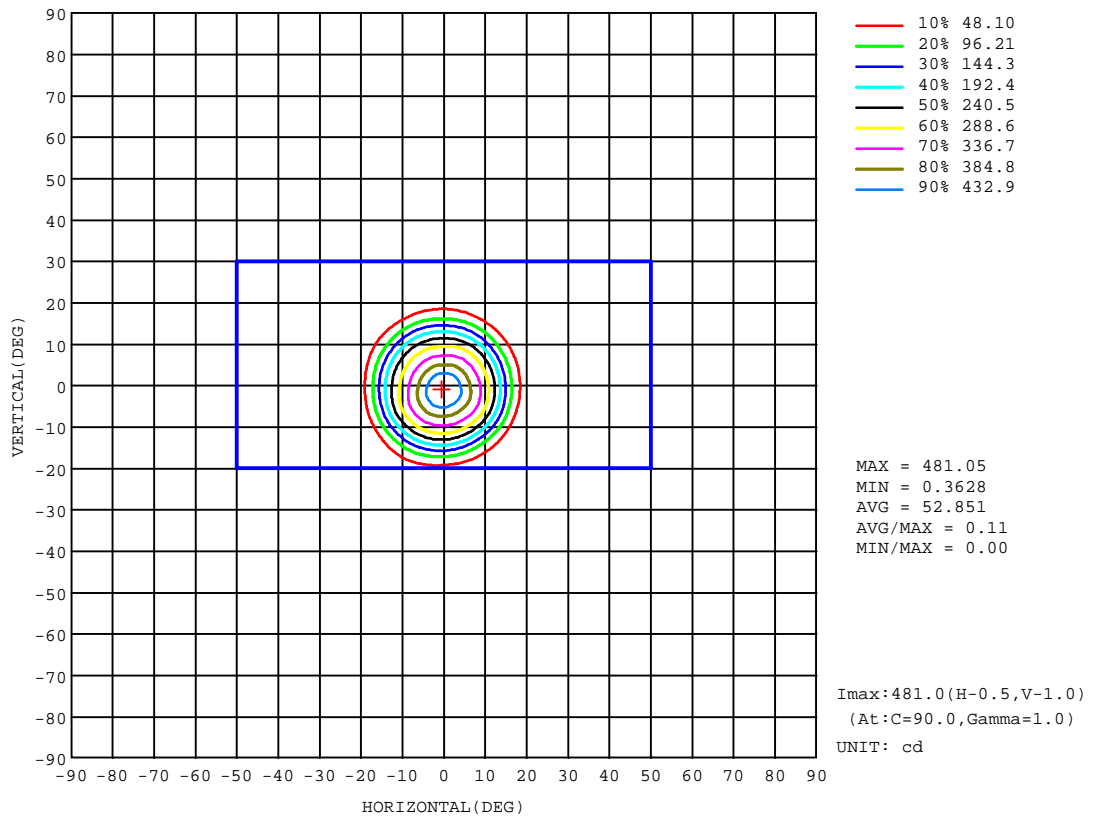
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ISOCANDELA DIAGRAM

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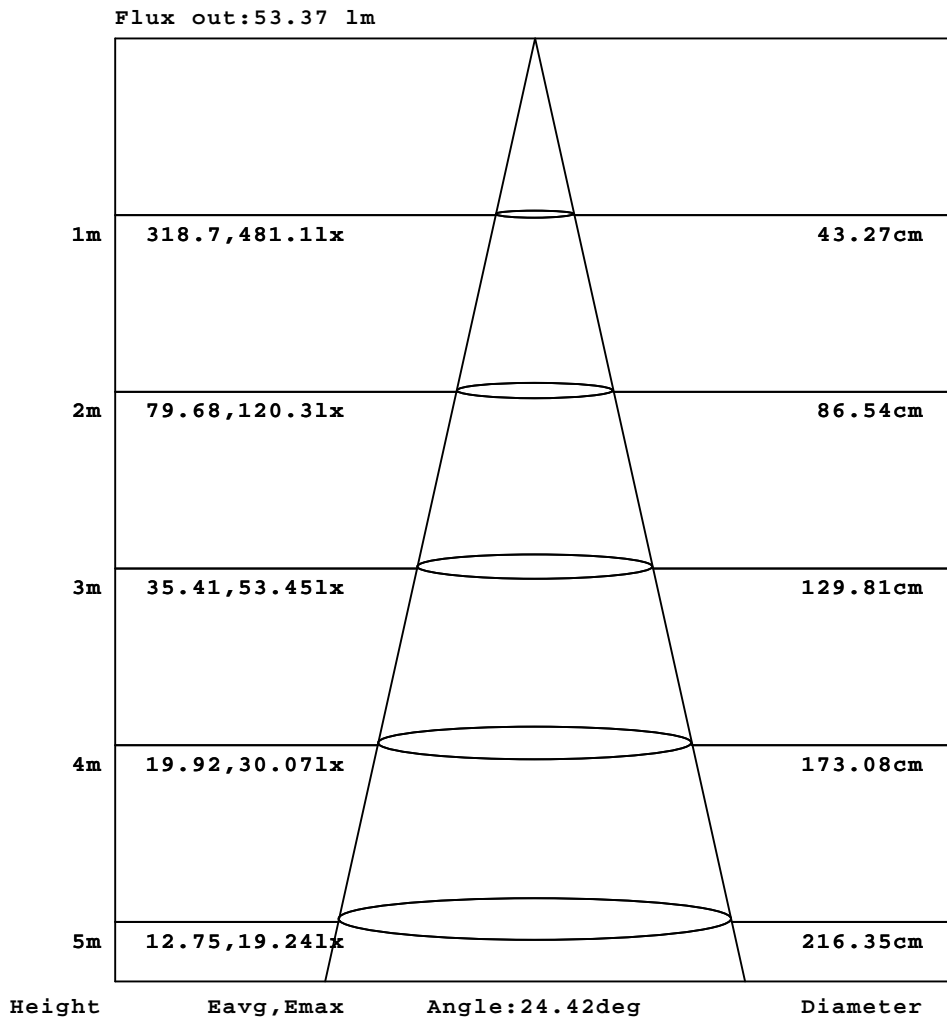


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AAI Figure

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	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:2018-01-20

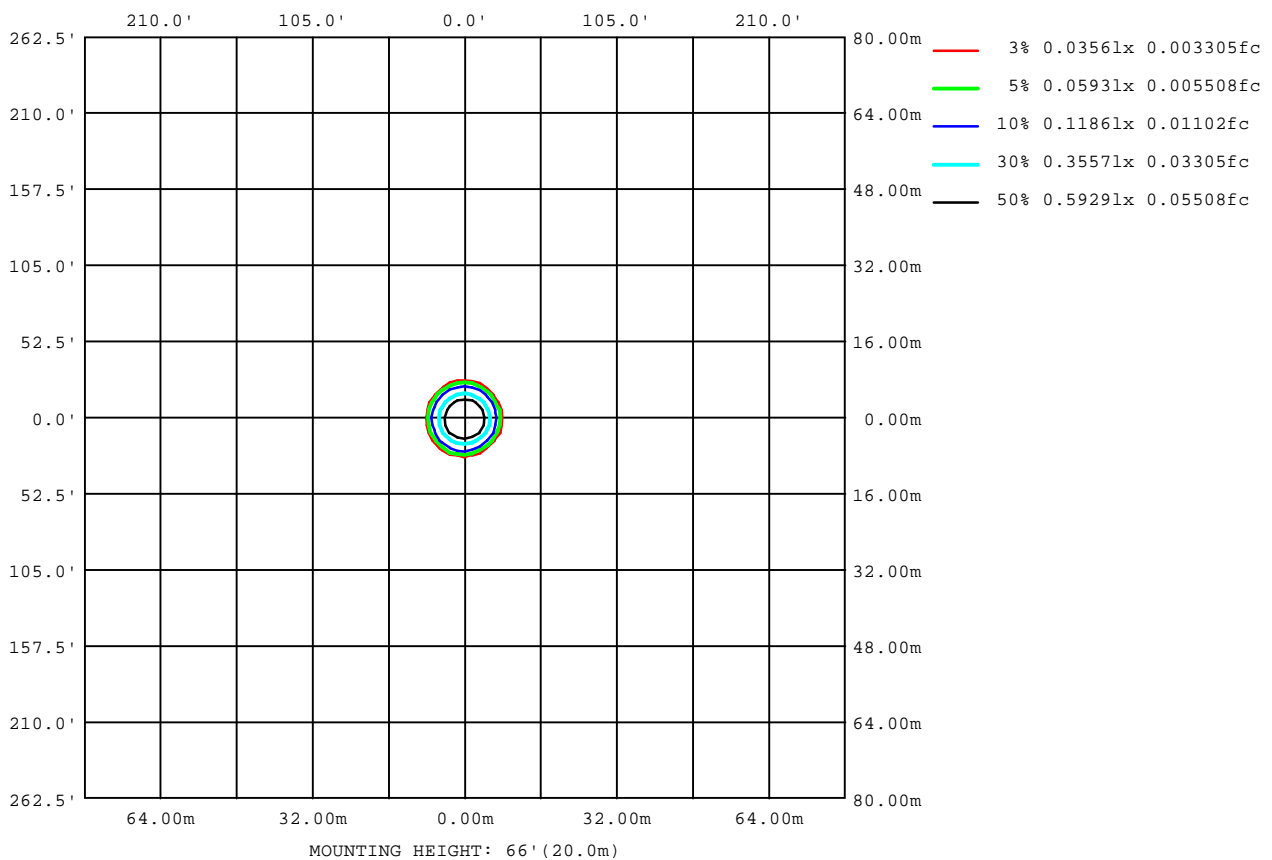
g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:XPGBWT-L1-0000-00DZ7 Ra:80
DC24V 3W
LENS:PS-0335 25R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:LIRONGTONG
Test Date:2018-01-20

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:XPGBWT-L1-0000-00DZ7 Ra:80
DC24V 3W
LENS:PS-0335 25R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	Shielding Angle:

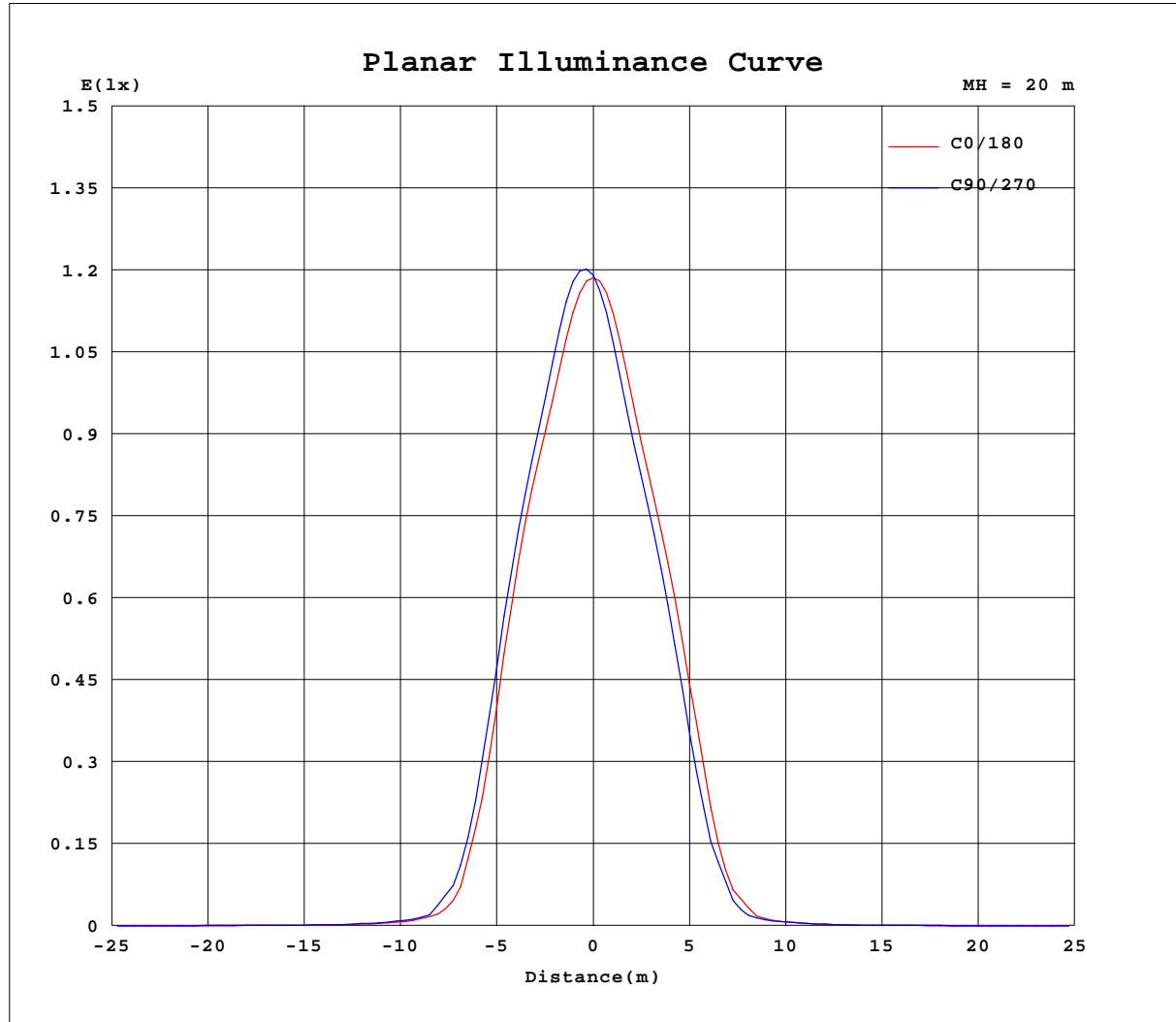
AvgL	cd/m2
L_0~180(65)av	479
L_0~180(75)av	101
L_0~180(85)av	0
L_90~270(65)av	706
L_90~270(75)av	114
L_90~270(85)av	0
L_45(65)av	699
L_45(75)av	99
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:LIRONGTONG
Test Date:2018-01-20

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:XPGBWT-L1-0000-00DZ7 Ra:80
DC24V 3W
LENS:PS-0335 25R
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: LIRONGTONG
 Test Date: 2018-01-20

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: XPGBWT-L1-0000-00DZ7 Ra: 80
 DC24V 3W
 LENS: PS-0335 25R
 30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.910V I:0.1162A P:2.7776W PF:1.0000 Freq:0Hz Lamp Flux:230.98x1 lm		
NAME: 1619.205	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1801200246
MFR.: RISE	SUR.:0.0004906m2	Shielding Angle:

Table--1

UNIT: cd

C(°) g (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	476	476	476	476	476	476	476	476	476	476	476	476						
5	414	430	433	441	440	428	411	397	389	382	391	400						
10	310	327	327	331	335	326	305	291	282	274	285	293						
15	142	161	161	174	186	182	166	152	140	126	129	129						
20	22.6	31.6	27.4	35.8	49.7	39.4	32.1	32.2	30.9	22.8	26.8	21.6						
25	5.81	5.57	6.17	7.23	7.59	7.02	6.02	5.76	5.82	5.28	4.67	4.89						
30	2.80	2.67	3.08	3.34	3.26	3.39	2.80	2.66	2.72	2.56	2.28	2.49						
35	1.57	1.50	1.88	1.90	1.72	1.88	1.53	1.58	1.53	1.44	1.31	1.60						
40	1.22	1.16	1.68	1.58	1.19	1.43	1.07	1.19	1.18	1.12	1.02	1.54						
45	1.02	0.93	1.31	1.29	0.92	1.27	0.89	1.04	1.12	1.04	0.93	1.59						
50	0.77	0.64	0.84	0.84	0.67	0.99	0.66	0.69	0.84	0.75	0.73	1.34						
55	0.39	0.33	0.48	0.45	0.36	0.58	0.39	0.44	0.53	0.45	0.37	0.73						
60	0.22	0.20	0.27	0.27	0.22	0.31	0.19	0.24	0.32	0.27	0.22	0.42						
65	0.11	0.11	0.14	0.14	0.13	0.15	0.09	0.12	0.17	0.15	0.12	0.20						
70	0.02	0.02	0.02	0.03	0.03	0.04	0.02	0.03	0.04	0.03	0.02	0.03						
75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01						
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
135	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
140	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.04	0.03						
145	0.13	0.12	0.12	0.11	0.10	0.11	0.09	0.10	0.11	0.12	0.12	0.11						
150	0.27	0.24	0.25	0.23	0.21	0.22	0.21	0.20	0.23	0.25	0.24	0.24						
155	0.41	0.39	0.41	0.38	0.32	0.34	0.33	0.32	0.37	0.39	0.36	0.38						
160	0.49	0.47	0.53	0.50	0.40	0.41	0.40	0.38	0.44	0.46	0.43	0.45						
165	0.47	0.47	0.51	0.49	0.41	0.39	0.37	0.37	0.41	0.41	0.41	0.43						
170	0.40	0.37	0.36	0.36	0.35	0.34	0.32	0.28	0.29	0.27	0.31	0.35						
175	0.24	0.25	0.25	0.26	0.25	0.24	0.21	0.20	0.19	0.18	0.20	0.22						
180	0.18	0.19	0.18	0.19	0.20	0.18	0.18	0.19	0.18	0.19	0.20	0.18						

C Range: 0 - 360DEG
C Interval: 30.0DEG
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g Range: 0 - 180DEG
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