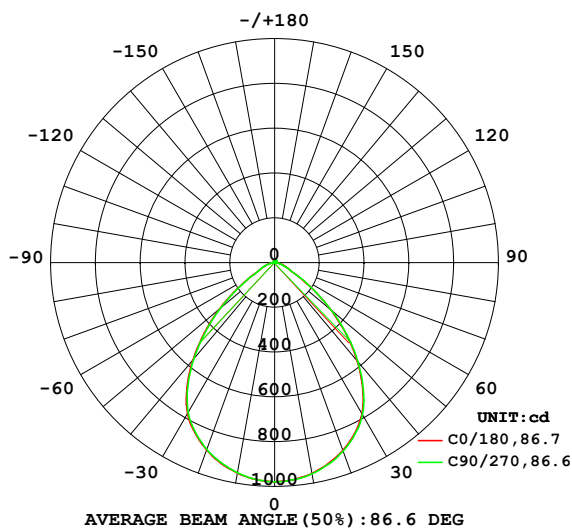


LUMINAIRE PHOTOMETRIC TEST REPORT

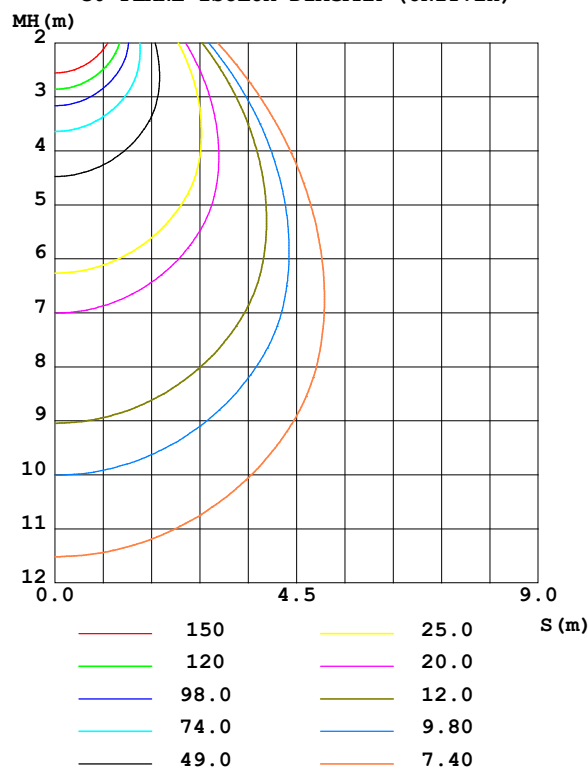
Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 105.72 lm/W
MODEL		I _{max} (cd)	979.5	S/MH(C0/180)	1.19	
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	1.18	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1840.3	η UP,DN(C0-180)	0.9,49.8	
NOMINAL FLUX(lm)	1840.27	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,48.5	
LAMPS INSIDE	1	η up (%)	1.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	240	η down (%)	98.3	CIBSE SHR MAX	1.25	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [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	956.1	957.9	958.1	958.9	955.1	954.4	953.1	953.8	0- 10	92.31	92.31	5.02,5.02
20	891.7	894.0	895.4	897.5	890.3	889.0	886.5	886.1	10- 20	261.8	354.1	19.2,19.2
30	780.0	783.0	784.7	789.4	777.9	775.2	773.0	772.1	20- 30	387.5	741.6	40.3,40.3
40	574.4	575.4	579.7	586.3	568.1	564.2	561.0	559.4	30- 40	425.6	1167	63.4,63.4
50	326.5	328.5	331.2	336.9	320.6	318.2	312.4	309.0	40- 50	343.8	1511	82.1,82.1
60	116.6	118.0	118.6	123.0	113.8	112.5	108.8	106.4	50- 60	187.2	1698	92.3,92.3
70	48.93	47.89	46.09	48.94	48.57	48.81	47.50	47.03	60- 70	72.33	1770	96.2,96.2
80	17.66	14.81	12.98	14.99	17.12	16.44	14.08	15.14	70- 80	32.12	1803	97.9,97.9
90	0.6038	0.5721	0.6379	0.7613	0.5522	0.5628	0.6192	0.6013	80- 90	5.968	1809	98.3,98.3
100	1.215	1.218	1.218	1.191	1.161	1.164	1.192	1.167	90-100	0.9054	1809	98.3,98.3
110	2.532	2.522	2.494	2.461	2.357	2.374	2.393	2.427	100-110	1.868	1811	98.4,98.4
120	4.310	4.296	4.239	4.218	4.059	4.071	4.091	4.108	110-120	3.237	1815	98.6,98.6
130	6.348	6.319	6.302	6.273	6.042	6.031	6.042	6.081	120-130	4.606	1819	98.9,98.9
140	8.312	8.281	8.284	8.258	8.053	8.021	8.041	8.053	130-140	5.543	1825	99.2,99.2
150	10.15	10.17	10.19	10.14	9.903	9.916	9.878	9.943	140-150	5.683	1830	99.5,99.5
160	11.98	11.97	12.04	11.94	11.76	11.76	11.84	11.78	150-160	5.048	1835	99.7,99.7
170	13.35	13.40	13.39	13.39	13.33	13.32	13.32	13.31	160-170	3.567	1839	99.9,99.9
180	13.97	14.00	13.97	14.00	13.99	14.06	13.98	14.01	170-180	1.306	1840	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1355.6 lm

%lum = 73.7%

%lamp = 73.7%

Conical surface Flux(120deg): 1698.1 lm

%lum = 92.3%

%lamp = 92.3%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz

Lamp Flux:1840.27x1 lm

NAME: R603 W3K (600mA)

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.: 3

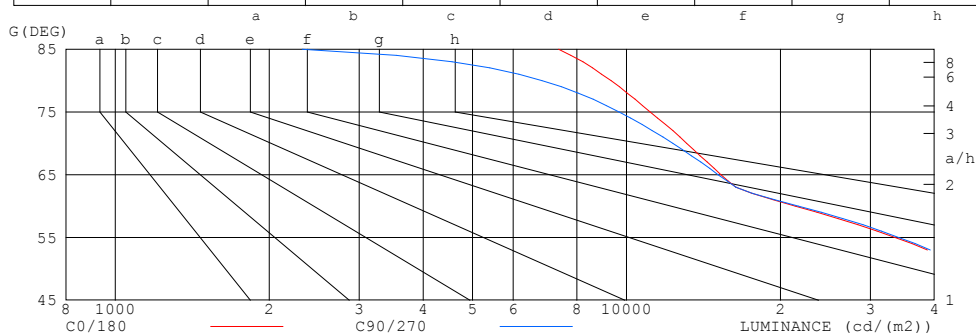
MFR.:

SUR.:

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



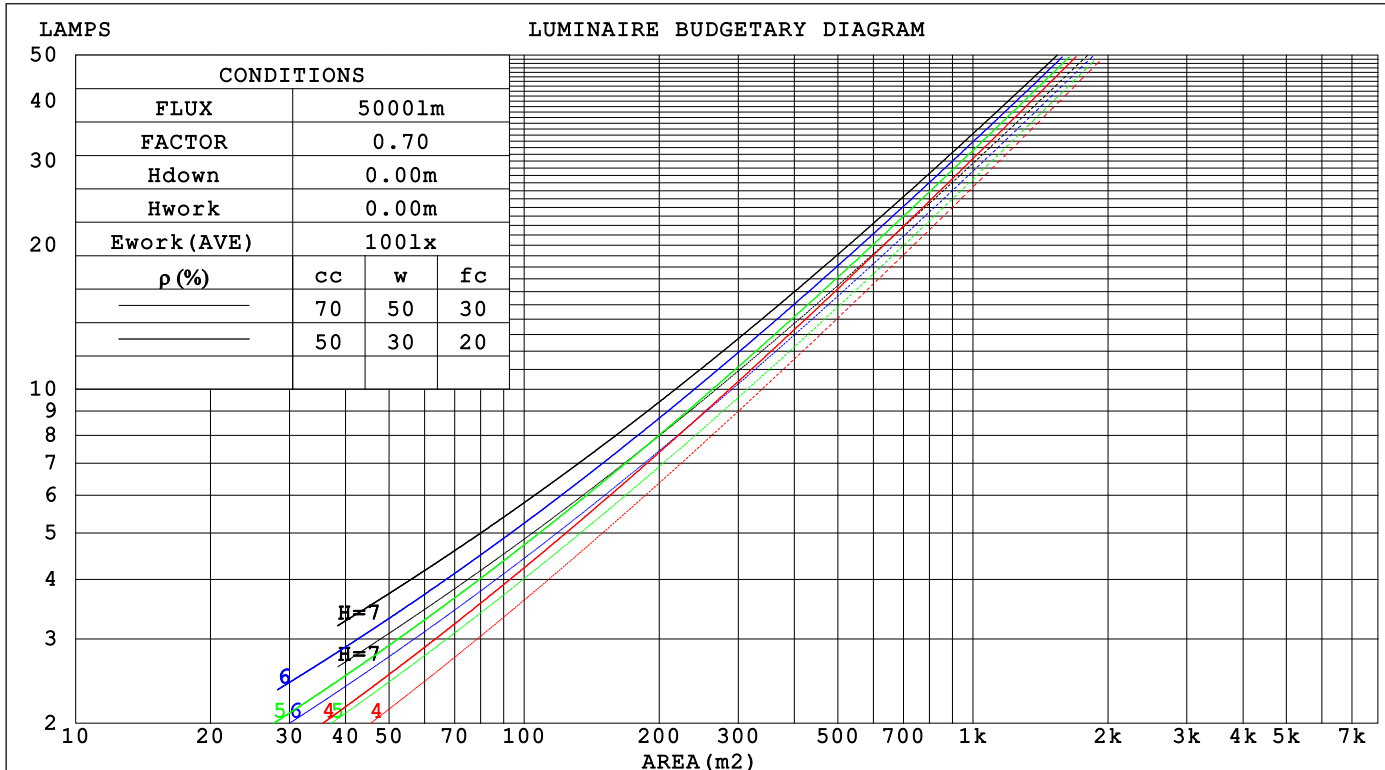
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.96	.95	.93	.93	.91	.90	.88
2.0	.97	.91	.87	.95	.90	.86	.91	.87	.84	.88	.84	.81	.85	.82	.79	.77
3.0	.87	.81	.75	.86	.80	.75	.83	.77	.73	.80	.75	.72	.77	.74	.70	.68
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.66	.63	.61
5.0	.72	.64	.59	.71	.64	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.54
6.0	.66	.58	.52	.65	.57	.52	.63	.56	.52	.61	.55	.51	.59	.54	.51	.49
7.0	.60	.53	.47	.59	.52	.47	.58	.51	.47	.56	.51	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.48	.43	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.49	.43	.39	.48	.43	.38	.47	.42	.38	.36
10.0	.48	.40	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.234	.133	.042	.227	.129	.041	.213	.122	.039	.200	.116	.037	.189	.109	.035		
2.0	.227	.125	.038	.221	.122	.038	.209	.116	.036	.198	.111	.035	.188	.106	.033		
3.0	.216	.115	.034	.211	.113	.034	.200	.109	.033	.191	.104	.032	.181	.100	.031		
4.0	.205	.106	.031	.200	.105	.031	.190	.101	.030	.182	.098	.029	.174	.094	.029		
5.0	.193	.099	.029	.189	.097	.028	.181	.094	.028	.173	.091	.027	.166	.089	.027		
6.0	.183	.092	.026	.179	.090	.026	.171	.088	.026	.164	.085	.025	.158	.083	.025		
7.0	.173	.085	.024	.169	.084	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023		
8.0	.163	.080	.022	.160	.079	.022	.154	.077	.022	.149	.075	.022	.143	.074	.021		
9.0	.155	.075	.021	.152	.074	.021	.147	.072	.021	.142	.071	.020	.137	.069	.020		
10.0	.147	.071	.020	.144	.070	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.188	.170	.154	.161	.146	.132	.110	.100	.091	.063	.058	.053	.020	.019	.017	
2.0	.177	.146	.119	.152	.125	.103	.104	.087	.072	.060	.050	.042	.019	.016	.014	
3.0	.168	.127	.095	.144	.110	.083	.099	.076	.058	.057	.045	.034	.018	.014	.011	
4.0	.159	.113	.078	.137	.098	.068	.094	.068	.048	.054	.040	.028	.018	.013	.009	
5.0	.152	.103	.066	.131	.089	.058	.090	.062	.041	.052	.036	.024	.017	.012	.008	
6.0	.145	.094	.057	.125	.081	.050	.086	.057	.035	.050	.034	.021	.016	.011	.007	
7.0	.139	.087	.050	.120	.075	.044	.083	.053	.031	.048	.031	.019	.016	.010	.006	
8.0	.133	.081	.045	.115	.070	.039	.079	.049	.028	.046	.029	.017	.015	.010	.006	
9.0	.128	.076	.041	.110	.066	.036	.076	.046	.025	.045	.027	.015	.014	.009	.005	
10.0	.123	.072	.038	.106	.062	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm											
NAME: R603 W3K (600mA)					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.: 3			
MFR.:					SUR.:			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	24.3	25.5	24.5	25.7	26.0	24.3	25.6	24.6	25.8	26.0	
3H	24.4	25.6	24.7	25.8	26.1	24.4	25.6	24.7	25.8	26.1	
4H	24.5	25.6	24.8	25.8	26.1	24.4	25.5	24.8	25.8	26.1	
6H	24.5	25.5	24.8	25.8	26.1	24.4	25.4	24.8	25.7	26.0	
8H	24.5	25.4	24.8	25.7	26.1	24.4	25.4	24.7	25.7	26.0	
12H	24.5	25.4	24.8	25.7	26.0	24.3	25.3	24.7	25.6	25.9	
4H 2H	24.3	25.3	24.6	25.6	25.9	24.3	25.4	24.6	25.6	25.9	
3H	24.5	25.5	24.9	25.8	26.1	24.5	25.4	24.9	25.8	26.1	
4H	24.6	25.5	25.0	25.8	26.2	24.6	25.4	25.0	25.8	26.1	
6H	24.7	25.5	25.1	25.8	26.2	24.6	25.3	25.0	25.7	26.1	
8H	24.7	25.4	25.2	25.8	26.2	24.6	25.3	25.0	25.7	26.1	
12H	24.7	25.3	25.2	25.8	26.2	24.5	25.2	25.0	25.6	26.0	
8H 4H	24.6	25.3	25.0	25.7	26.1	24.6	25.2	25.0	25.6	26.0	
6H	24.7	25.3	25.2	25.7	26.2	24.6	25.2	25.1	25.6	26.1	
8H	24.8	25.3	25.2	25.7	26.2	24.6	25.1	25.1	25.5	26.0	
12H	24.8	25.2	25.3	25.7	26.2	24.6	25.0	25.1	25.5	26.0	
12H 4H	24.6	25.2	25.0	25.6	26.0	24.5	25.1	25.0	25.5	26.0	
6H	24.7	25.2	25.2	25.6	26.1	24.6	25.1	25.1	25.5	26.0	
8H	24.7	25.2	25.2	25.6	26.2	24.6	25.0	25.1	25.5	26.0	
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.0 / - 1.5					+ 1.1 / - 1.5					
1.5H	+ 0.6 / - 0.9					+ 0.6 / - 1.0					
2.0H	+ 2.5 / - 2.9					+ 2.5 / - 3.2					

CIE Pub.117, 1840 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.1)
Area: 0.0109359 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:

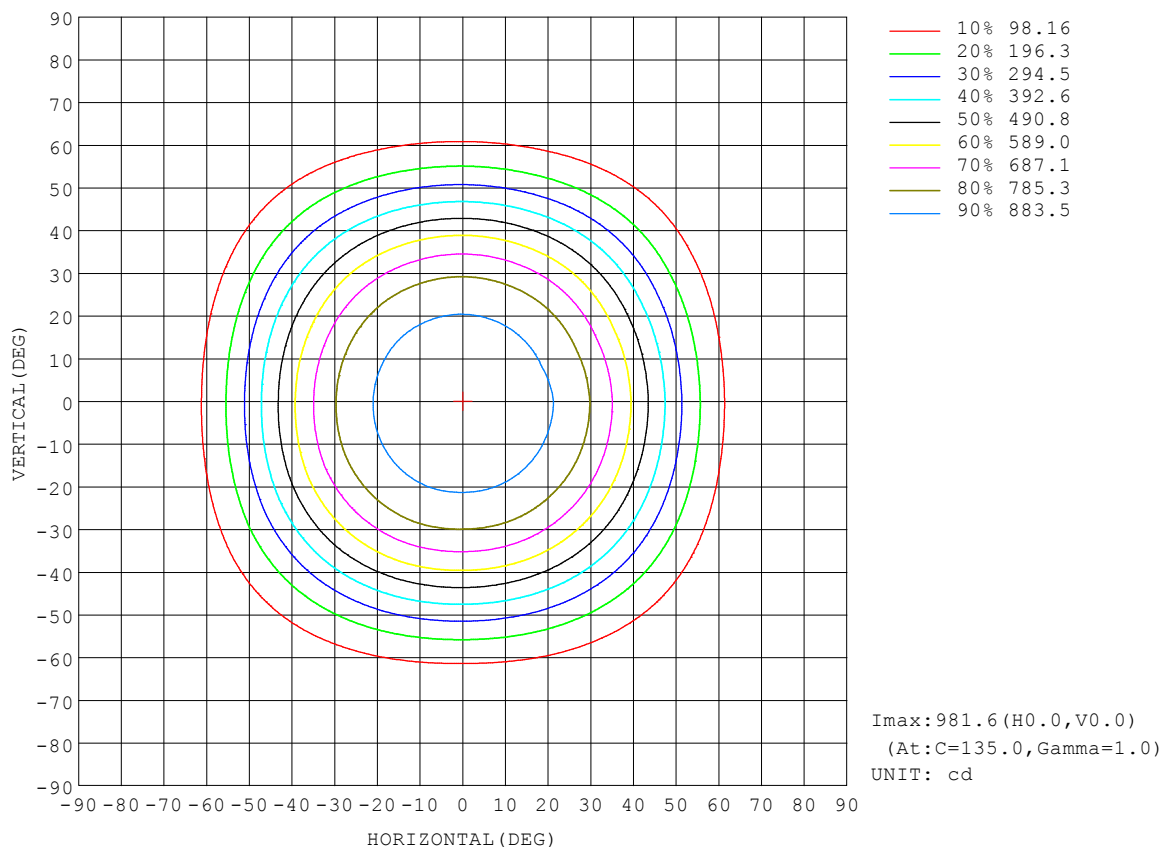
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	58	53	66	58	53	47
0.80	78	69	63	77	68	63	76	68	62	57
1.00	86	77	72	85	77	71	83	77	71	65
1.25	92	84	79	91	83	78	88	82	77	71
1.50	96	89	84	95	88	83	92	86	82	76
2.00	102	95	91	100	94	90	96	92	88	81
2.50	104	99	94	102	97	93	99	94	91	83
3.00	107	102	98	105	100	96	101	97	94	86
4.00	110	105	102	107	104	100	103	100	97	89
5.00	111	108	105	109	106	103	104	102	100	91
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2022-10-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:

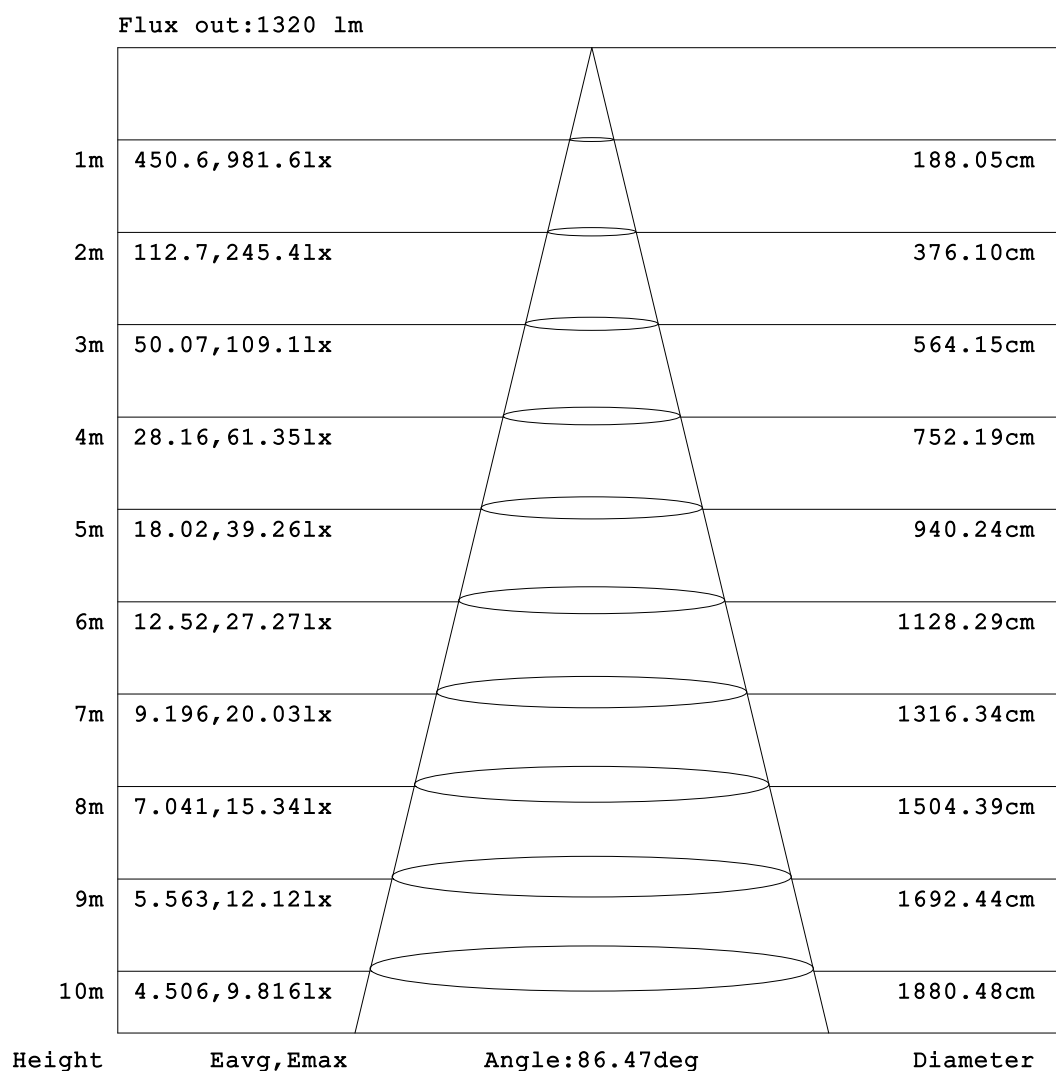


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:



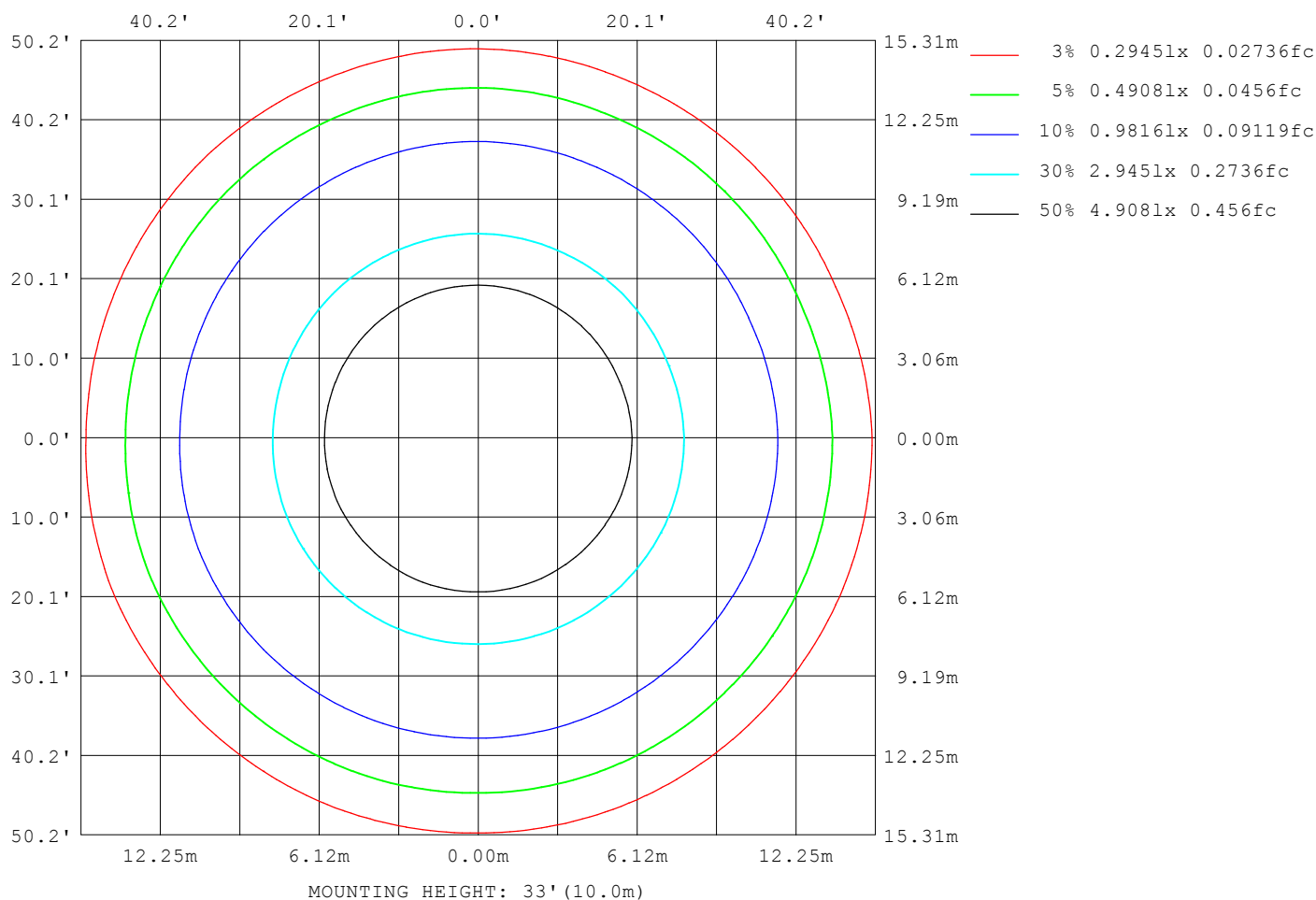
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2022-10-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
 Humidity: 65.0%
 Test Distance: 12.020m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:

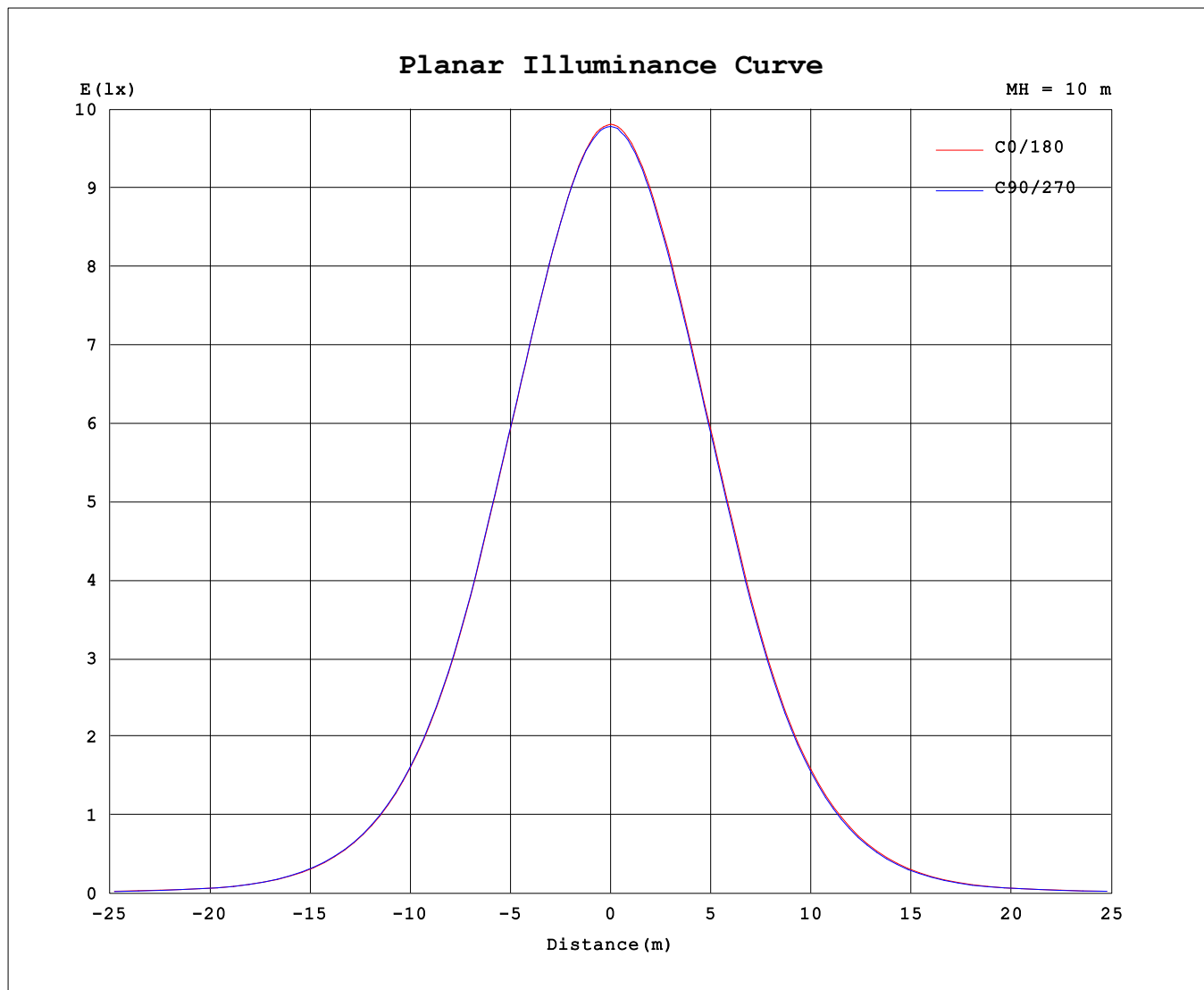
AvgL	cd/m2
L_0~180 (65) av	15216
L_0~180 (75) av	11015
L_0~180 (85) av	7141
L_90~270 (65) av	15097
L_90~270 (75) av	9946
L_90~270 (85) av	2440
L_45 (65) av	15247
L_45 (75) av	10612
L_45 (85) av	3855

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-10-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2022-10-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.33V I:0.0752A P:17.408W PF:0.9635 Freq:49.99Hz Lamp Flux:1840.27x1 lm		
NAME: R603 W3K (600mA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979			
5	973	973	974	974	974	974	975	974	972	971	972	972	972	971	972	972			
10	956	956	958	959	958	959	959	958	955	953	954	954	953	952	954	954			
15	928	930	931	931	932	933	933	932	928	926	927	926	925	924	925	925			
20	892	892	894	895	895	897	897	896	890	888	889	888	887	886	886	887			
25	843	845	847	849	848	850	850	848	841	839	840	839	838	836	837	837			
30	780	782	783	785	785	790	789	788	778	775	775	774	773	771	772	772			
35	687	688	689	692	692	697	698	696	684	679	679	676	677	673	675	675			
40	574	574	575	579	580	586	586	585	568	565	564	562	561	558	559	561			
45	452	452	453	455	457	461	463	460	445	443	441	439	437	434	435	438			
50	326	328	328	330	331	336	337	335	321	319	318	314	312	308	309	312			
55	210	212	212	214	214	218	218	217	205	203	203	200	198	193	194	196			
60	117	118	118	120	119	122	123	122	114	112	112	110	109	106	106	108			
65	70.5	70.9	70.9	70.4	69.8	71.6	72.7	72.7	70.1	69.9	70.2	69.9	69.7	68.5	68.1	68.0			
70	48.9	49.2	47.9	46.4	46.1	48.1	48.9	50.0	48.6	48.5	48.8	48.2	47.5	47.0	47.0	46.9			
75	31.4	31.4	29.2	27.7	27.4	28.8	29.7	31.7	31.0	31.1	31.3	29.7	28.9	28.8	29.9	29.9			
80	17.7	16.7	14.8	13.2	13.0	13.7	15.0	17.1	17.1	17.2	16.4	14.6	14.1	13.9	15.1	16.2			
85	7.00	5.42	3.63	2.26	2.21	2.95	3.95	5.94	6.61	5.30	3.98	2.92	2.44	2.45	3.13	4.72			
90	0.60	0.61	0.57	0.64	0.64	0.67	0.76	0.69	0.55	0.55	0.56	0.66	0.62	0.62	0.60	0.58			
95	0.79	0.89	0.79	0.88	0.77	0.87	0.80	0.92	0.81	0.68	0.78	0.67	0.76	0.69	0.79	0.71			
100	1.22	1.32	1.22	1.32	1.22	1.30	1.19	1.34	1.16	1.08	1.16	1.11	1.19	1.12	1.17	1.09			
105	1.81	1.89	1.81	1.88	1.79	1.84	1.76	1.87	1.68	1.62	1.70	1.58	1.69	1.62	1.75	1.64			
110	2.53	2.61	2.52	2.59	2.49	2.55	2.46	2.57	2.36	2.26	2.37	2.30	2.39	2.32	2.43	2.32			
115	3.37	3.43	3.35	3.41	3.31	3.38	3.29	3.39	3.15	3.06	3.17	3.09	3.19	3.13	3.21	3.13			
120	4.31	4.36	4.30	4.34	4.24	4.30	4.22	4.32	4.06	3.97	4.07	4.00	4.09	4.02	4.11	4.02			
125	5.29	5.36	5.28	5.33	5.24	5.29	5.22	5.32	5.03	4.92	5.03	4.94	5.05	4.98	5.08	4.99			
130	6.35	6.40	6.32	6.36	6.30	6.34	6.27	6.37	6.04	5.97	6.03	5.94	6.04	5.98	6.08	6.01			
135	7.37	7.41	7.33	7.39	7.31	7.36	7.29	7.39	7.08	6.98	7.06	6.96	7.07	7.01	7.11	7.02			
140	8.31	8.35	8.28	8.34	8.28	8.32	8.26	8.35	8.05	7.94	8.02	7.93	8.04	7.97	8.05	7.96			
145	9.25	9.26	9.21	9.28	9.24	9.25	9.20	9.28	8.96	8.86	8.95	8.86	8.96	8.87	8.99	8.89			
150	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.2	9.90	9.77	9.92	9.78	9.88	9.80	9.94	9.79			
155	11.1	11.1	11.1	11.2	11.1	11.2	11.1	11.2	10.8	10.7	10.9	10.8	10.9	10.8	10.9	10.7			
160	12.0	12.0	12.0	12.1	12.0	12.1	11.9	12.1	11.8	11.6	11.8	11.7	11.8	11.7	11.8	11.7			
165	12.7	12.8	12.7	12.9	12.8	12.8	12.7	12.9	12.6	12.5	12.6	12.6	12.7	12.6	12.6	12.5			
170	13.4	13.4	13.4	13.5	13.4	13.4	13.4	13.5	13.3	13.3	13.3	13.2	13.3	13.2	13.3	13.2			
175	13.8	13.9	13.9	13.9	13.8	13.9	13.9	13.9	13.9	13.8	13.9	13.7	13.8	13.8	13.9	13.7			
180	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.0	14.0	14.0	14.0	14.0			

C Range: 0 - 360DEG
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