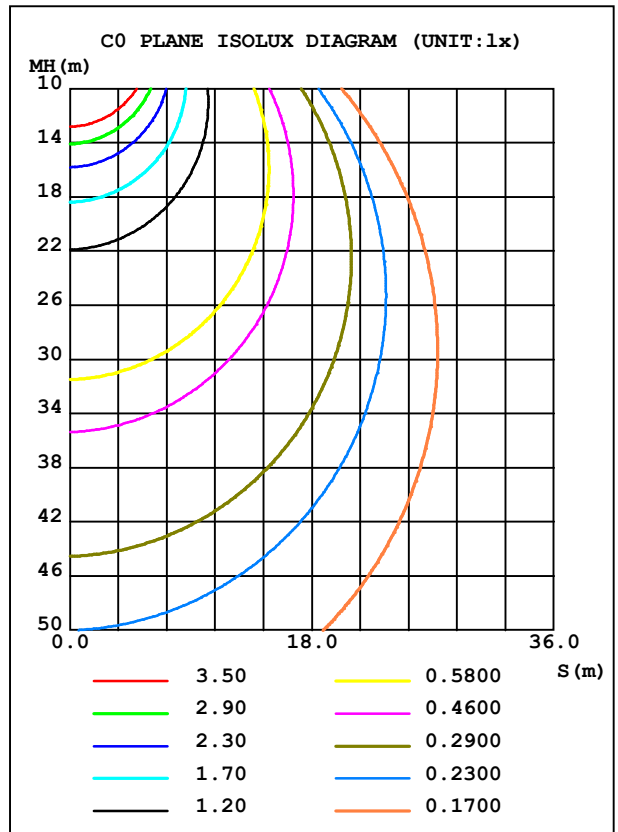
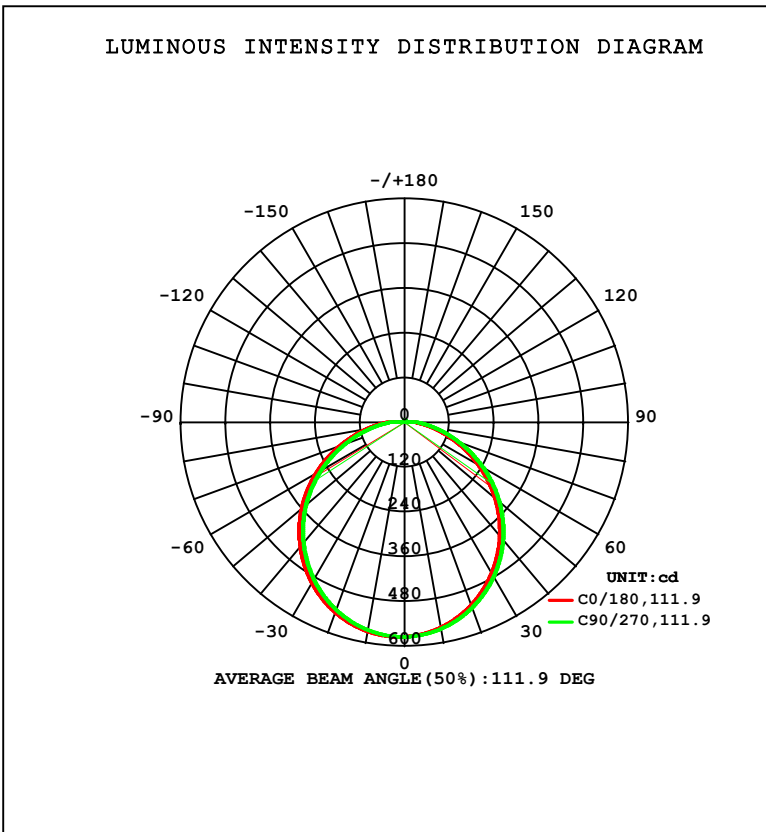


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	575.9	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	96.1	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1785.9	η UP, DN (C0-180)	1.0, 45.5
NOMINAL FLUX (lm)	1785.94	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 48.4
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	93.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 9.790m [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	558.4	558.9	562.7	567.4	570.0	569.4	565.9	561.2	0- 10	54.38	54.38	3.17,3.04
20	521.4	522.4	529.5	538.8	543.8	542.6	536.1	526.6	10- 20	155.5	209.8	12.2,11.7
30	466.7	468.1	477.8	491.3	498.5	497.0	487.5	474.1	20- 30	234.9	444.7	25.9,24.9
40	397.1	399.6	410.7	427.5	436.5	434.3	423.5	406.2	30- 40	282.4	727.1	42.4,40.7
50	315.9	318.2	331.4	351.1	362.0	358.9	346.3	326.6	40- 50	292.5	1020	59.4,57.1
60	227.2	229.2	243.5	264.5	276.6	273.4	259.7	238.4	50- 60	264.5	1284	74.8,71.9
70	139.1	140.5	153.9	174.0	186.0	183.7	169.3	149.5	60- 70	204.4	1489	86.7,83.3
80	67.22	68.12	77.84	93.50	103.4	101.3	89.72	74.62	70- 80	128.3	1617	94.2,90.5
90	22.31	22.61	27.65	36.74	42.76	41.57	34.39	26.01	80- 90	60.71	1678	97.8,93.9
100	4.162	4.233	5.395	8.491	9.499	9.965	7.589	4.858	90-100	18.80	1696	98.9,95
110	2.475	2.484	2.282	2.208	1.847	1.960	1.974	2.037	100-110	3.453	1700	99.1,95.2
120	3.320	3.310	3.105	2.998	2.562	2.488	2.696	2.788	110-120	2.496	1702	99.2,95.3
130	4.105	4.065	3.891	3.818	3.366	3.273	3.459	3.545	120-130	2.959	1705	99.4,95.5
140	4.767	4.686	4.556	4.535	4.106	4.050	4.145	4.259	130-140	3.125	1708	99.6,95.7
150	5.293	5.199	5.124	5.149	4.777	4.743	4.791	4.875	140-150	2.942	1711	99.7,95.8
160	5.678	5.605	5.574	5.632	5.364	5.318	5.420	5.386	150-160	2.423	1714	99.9,96
170	5.991	6.052	6.075	6.071	5.820	5.816	5.959	5.855	160-170	1.616	1715	100,96
180	6.112	6.129	6.266	6.214	6.105	6.122	6.266	6.179	170-180	0.5785	1716	100,96.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 874.52 lm

%lum = 51.0%

%lamp = 49.0%

Conical surface Flux(130deg): 1395.4 lm

%lum = 81.3%

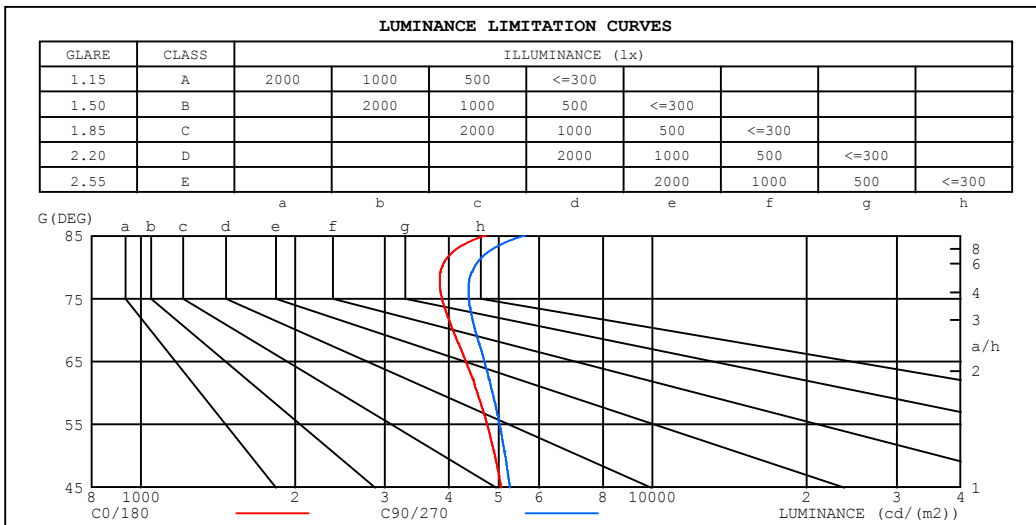
%lamp = 78.1%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:9.790m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	4769	5686
80	3907	4519
75	3906	4405
70	4096	4525
65	4338	4714
60	4566	4886
55	4763	5036
50	4933	5167
45	5074	5276

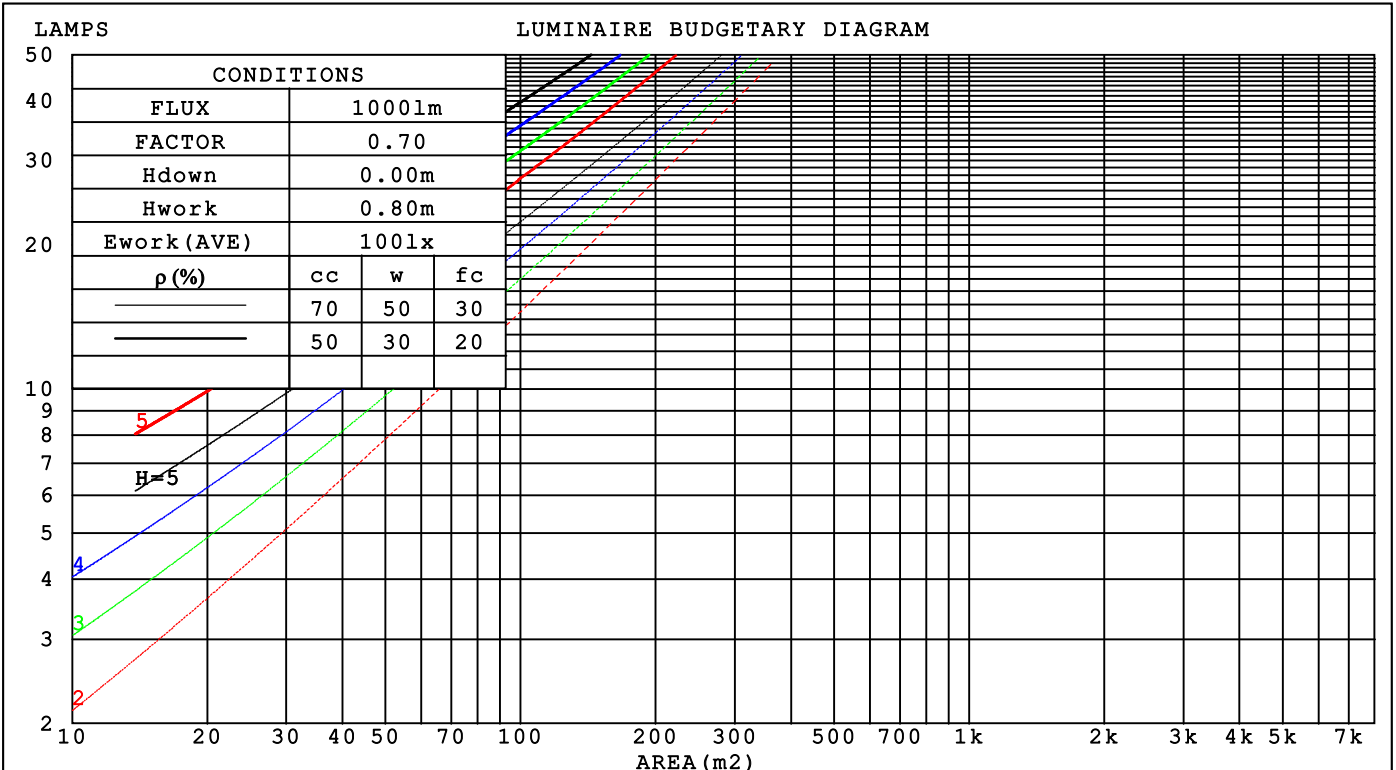
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 9.790m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.96	.96	.96	.94
1.0	.98	.94	.90	.96	.92	.88	.91	.88	.85	.87	.85	.82	.83	.81	.79	.77
2.0	.85	.79	.73	.83	.77	.72	.80	.74	.70	.76	.72	.68	.73	.69	.66	.64
3.0	.75	.67	.60	.73	.66	.60	.70	.64	.58	.67	.62	.57	.64	.60	.56	.53
4.0	.66	.58	.51	.65	.57	.51	.62	.55	.50	.60	.54	.49	.57	.52	.48	.46
5.0	.59	.50	.44	.58	.50	.43	.56	.48	.43	.53	.47	.42	.51	.46	.41	.39
6.0	.53	.44	.38	.52	.44	.38	.50	.43	.37	.48	.42	.37	.47	.41	.36	.34
7.0	.48	.40	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.32	.30
8.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.40	.34	.29	.39	.33	.29	.27
9.0	.40	.32	.27	.40	.32	.27	.38	.31	.27	.37	.31	.26	.36	.30	.26	.24
10.0	.37	.30	.24	.37	.29	.24	.36	.29	.24	.34	.28	.24	.33	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 9.790m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz		
Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.316	.180	.057	.308	.176	.056	.294	.169	.054	.282	.162	.052	.270	.156	.050	
2.0	.290	.159	.049	.283	.156	.048	.271	.151	.047	.259	.145	.046	.249	.141	.044	
3.0	.265	.141	.042	.259	.139	.042	.248	.135	.041	.238	.130	.040	.228	.126	.039	
4.0	.243	.126	.037	.238	.125	.037	.228	.121	.036	.219	.118	.035	.210	.114	.035	
5.0	.224	.114	.033	.219	.113	.033	.210	.110	.032	.202	.107	.032	.195	.104	.031	
6.0	.207	.104	.030	.203	.102	.029	.195	.100	.029	.188	.098	.029	.181	.095	.028	
7.0	.192	.095	.027	.189	.094	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	
8.0	.179	.088	.025	.176	.087	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	
9.0	.168	.081	.023	.165	.080	.023	.159	.079	.022	.154	.077	.022	.149	.075	.022	
10.0	.158	.076	.021	.155	.075	.021	.150	.073	.021	.145	.072	.020	.140	.071	.020	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.144	.163	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.143	.110	.157	.123	.095	.108	.085	.066	.062	.050	.039	.020	.016	.013	
3.0	.176	.127	.087	.151	.109	.076	.104	.076	.053	.060	.044	.031	.019	.014	.010	
4.0	.168	.114	.072	.145	.098	.063	.099	.069	.044	.057	.040	.026	.018	.013	.009	
5.0	.161	.104	.062	.138	.090	.054	.095	.063	.038	.055	.037	.023	.018	.012	.007	
6.0	.154	.096	.054	.133	.083	.047	.091	.058	.033	.053	.034	.020	.017	.011	.007	
7.0	.148	.089	.049	.127	.077	.042	.088	.054	.030	.051	.032	.018	.016	.010	.006	
8.0	.141	.084	.044	.122	.073	.039	.084	.051	.027	.049	.030	.016	.016	.010	.005	
9.0	.135	.079	.041	.117	.069	.036	.081	.048	.025	.047	.029	.015	.015	.009	.005	
10.0	.130	.075	.039	.112	.065	.034	.078	.046	.024	.045	.027	.014	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:9.790m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz										
Lamp Flux:1785.94x1 lm										
NAME: PK-CL-30AD 18W 3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
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	15.8	17.3	16.1	17.5	17.8	16.0	17.5	16.3	17.8	18.0
3H	17.2	18.6	17.5	18.9	19.2	17.6	18.9	17.9	19.2	19.5
4H	17.8	19.1	18.2	19.4	19.7	18.2	19.5	18.6	19.8	20.1
6H	18.3	19.6	18.7	19.9	20.2	18.8	20.0	19.1	20.3	20.7
8H	18.5	19.7	18.9	20.1	20.4	19.0	20.2	19.4	20.6	20.9
12H	18.7	19.9	19.1	20.2	20.6	19.3	20.5	19.7	20.8	21.1
4H 2H	16.4	17.7	16.7	18.0	18.3	16.5	17.9	16.9	18.2	18.5
3H	18.0	19.1	18.4	19.5	19.8	18.3	19.4	18.6	19.8	20.1
4H	18.7	19.8	19.1	20.1	20.5	19.1	20.1	19.5	20.5	20.9
6H	19.4	20.3	19.8	20.7	21.1	19.8	20.7	20.2	21.1	21.5
8H	19.6	20.5	20.1	20.9	21.4	20.1	21.0	20.6	21.4	21.8
12H	19.9	20.7	20.4	21.2	21.6	20.5	21.3	20.9	21.7	22.2
8H 4H	19.0	19.9	19.4	20.3	20.7	19.3	20.2	19.7	20.6	21.0
6H	19.8	20.6	20.3	21.0	21.5	20.2	20.9	20.7	21.4	21.9
8H	20.2	20.9	20.7	21.4	21.9	20.7	21.3	21.2	21.8	22.3
12H	20.6	21.2	21.2	21.7	22.2	21.1	21.7	21.7	22.2	22.7
12H 4H	19.0	19.8	19.5	20.3	20.7	19.3	20.1	19.8	20.6	21.0
6H	19.9	20.6	20.4	21.0	21.5	20.3	20.9	20.8	21.4	21.9
8H	20.4	21.0	20.9	21.4	22.0	20.8	21.4	21.3	21.9	22.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1786 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:9.790m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

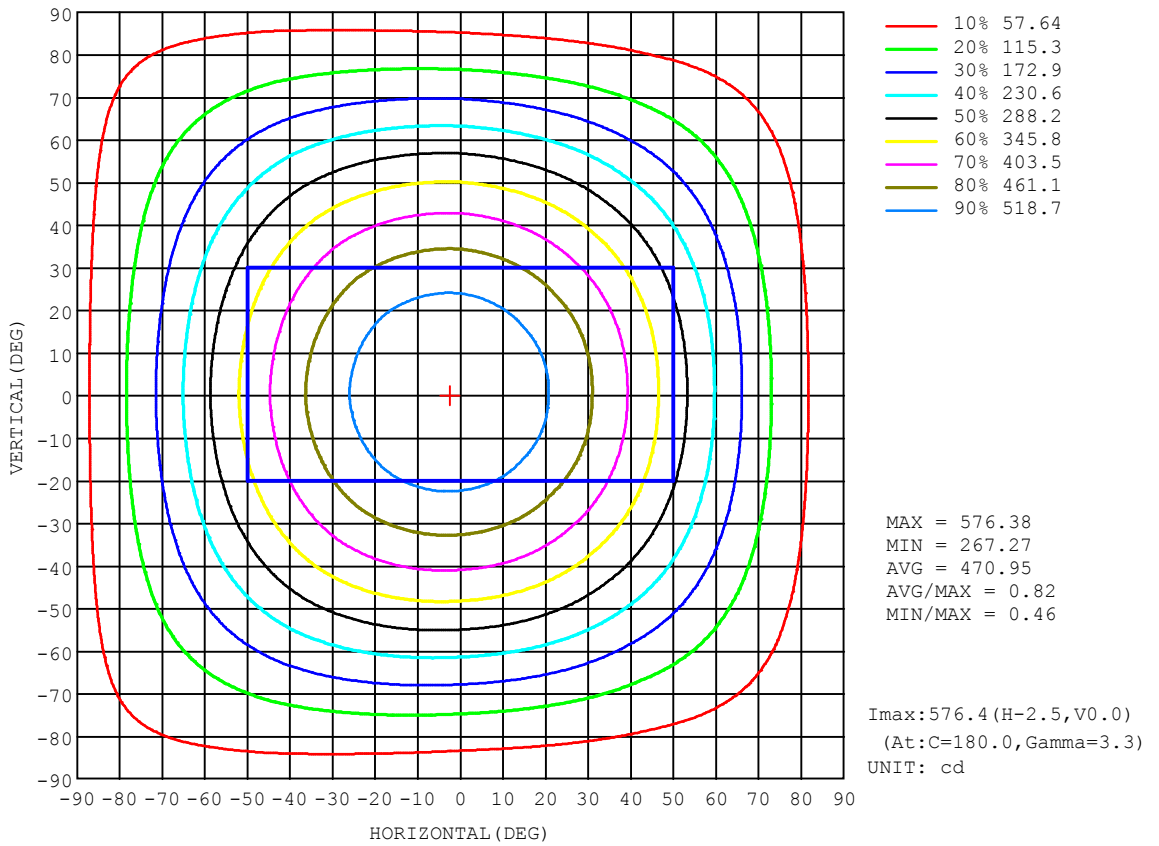
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	43	36	53	42	36	52	42	36	29
0.80	63	52	45	62	52	45	61	51	44	37
1.00	71	60	53	70	60	53	68	61	52	45
1.25	78	68	61	77	67	60	74	65	59	52
1.50	83	73	66	81	72	65	78	70	64	57
2.00	90	81	74	88	80	74	84	77	72	64
2.50	93	85	79	91	84	78	87	81	76	68
3.00	97	90	84	94	88	83	90	85	80	72
4.00	101	95	90	98	93	88	94	89	86	76
5.00	103	98	94	100	96	92	96	92	89	79
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: 25.3°C
 Operators: DAMIN
 Test Date: 2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 9.790m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

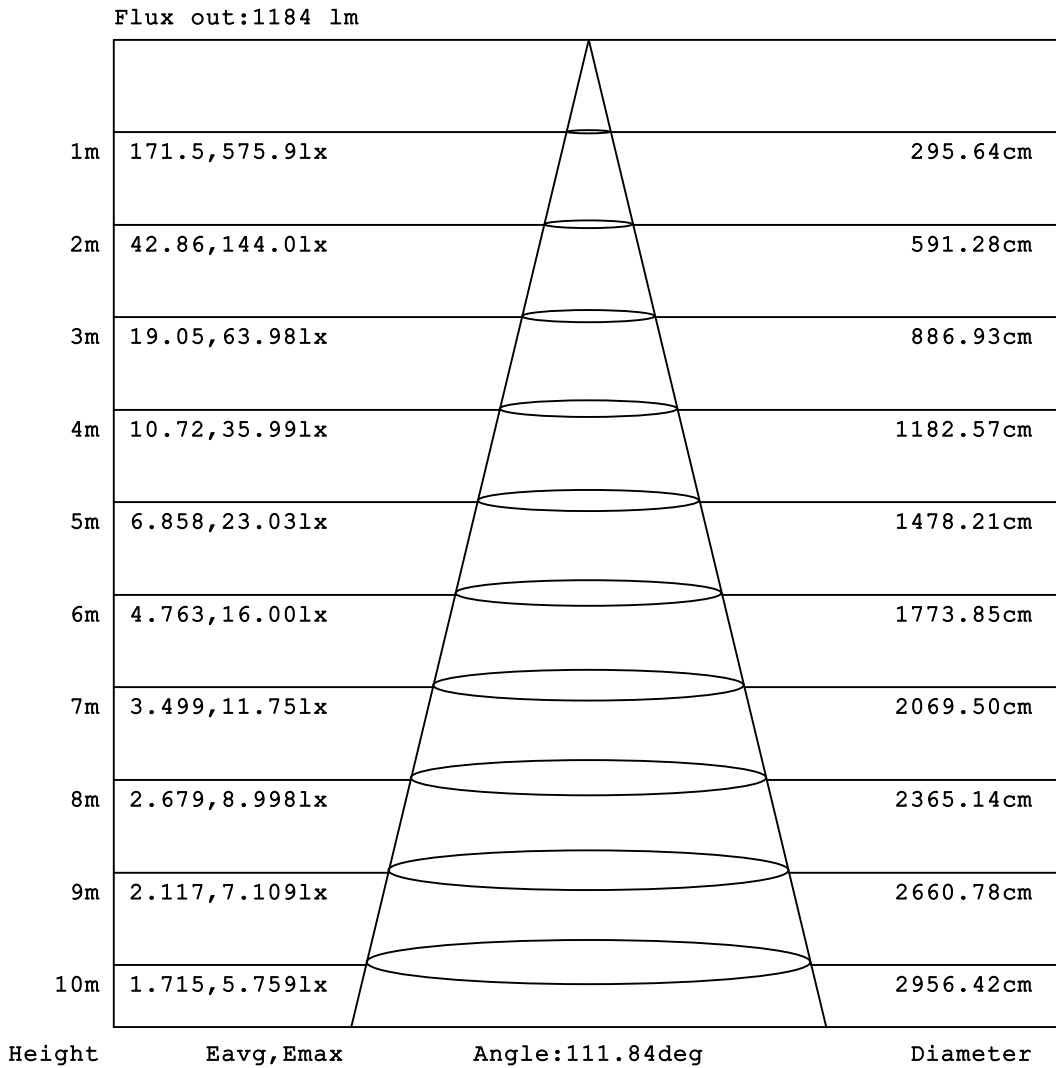


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:9.790m [K=1.0000]
 Remarks:

AAI Figure

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



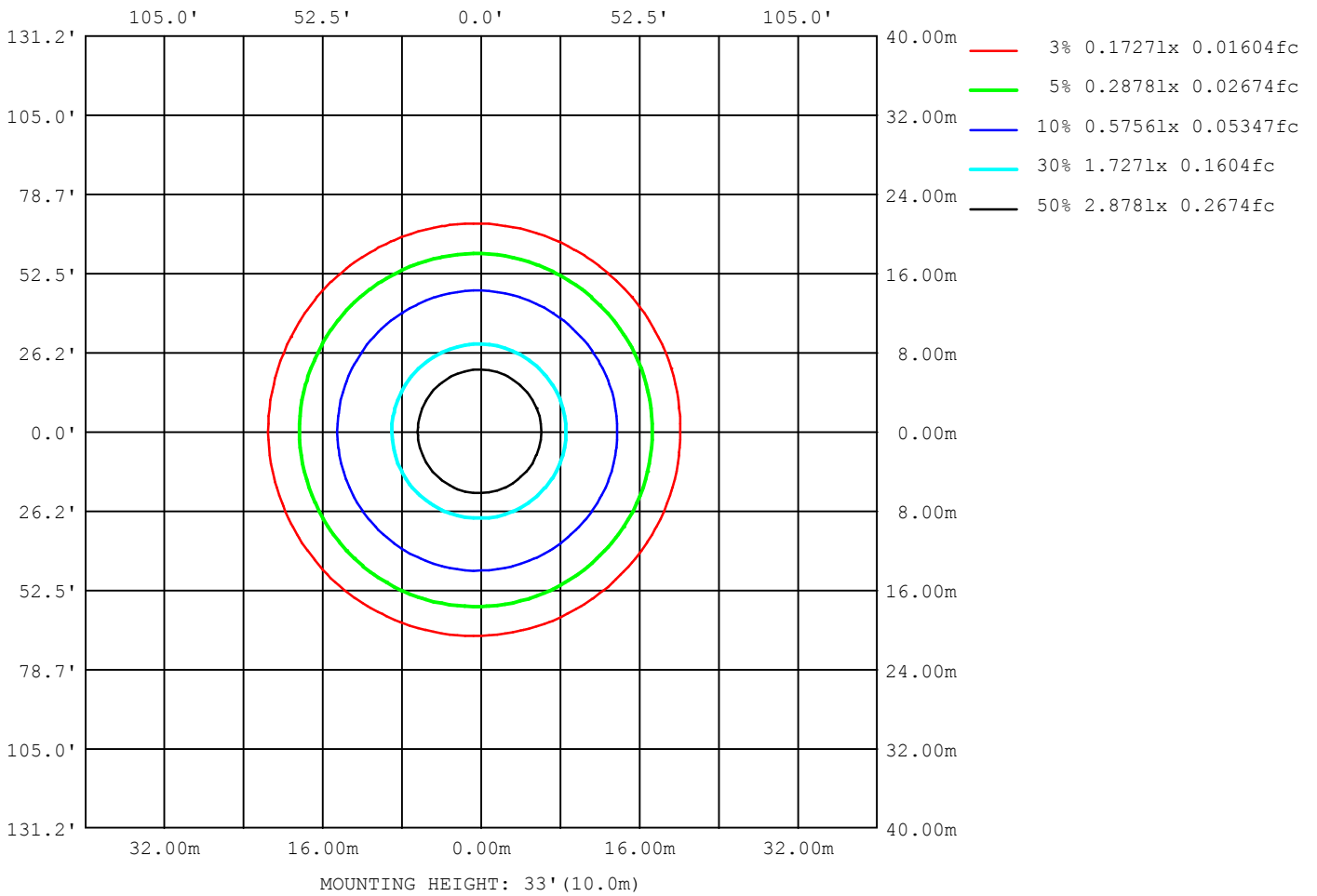
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2023-04-13

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:9.790m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 9.790m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

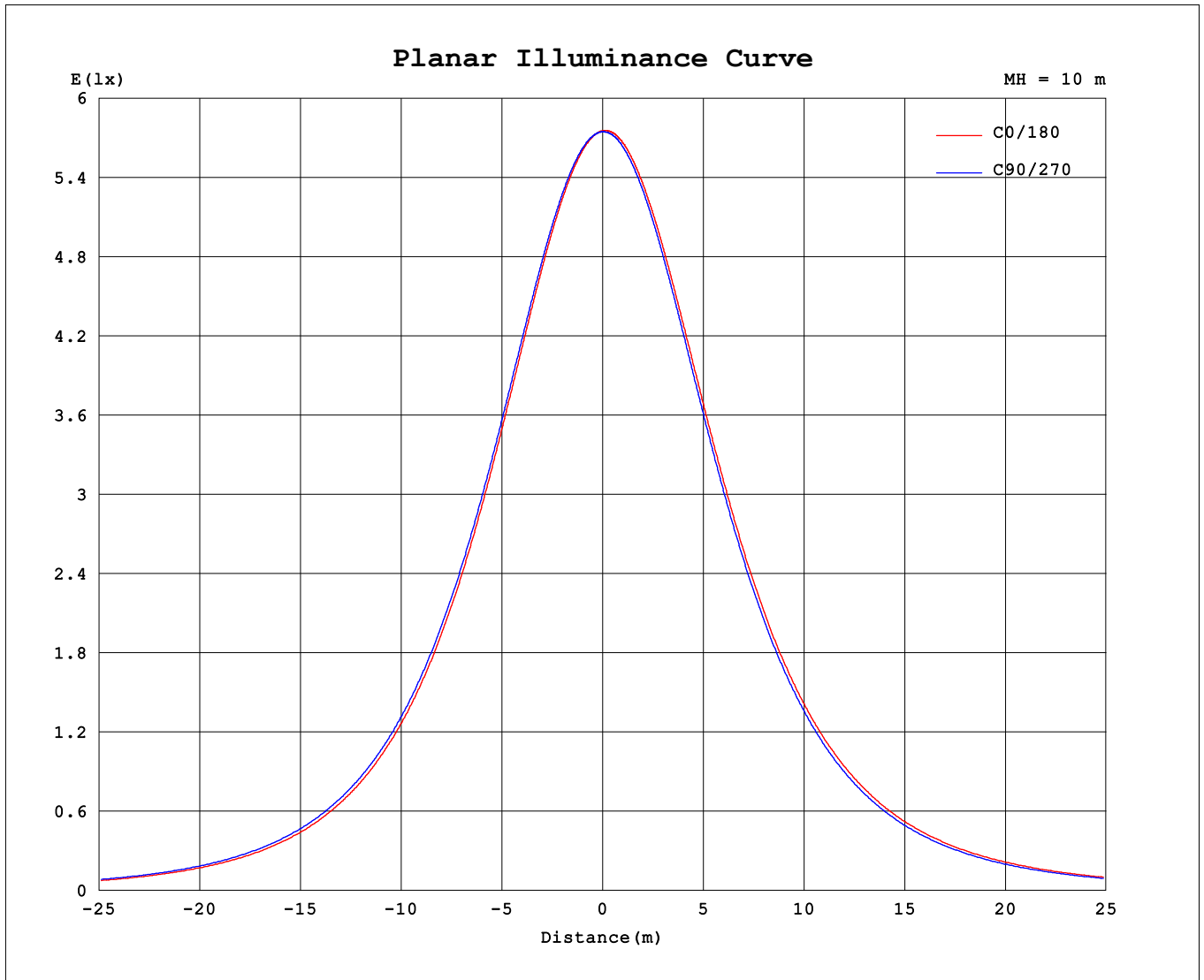
AvgL	cd/m2
L 0~180 (65) av	4894
L 0~180 (75) av	4693
L 0~180 (85) av	6349
L 90~270 (65) av	4883
L 90~270 (75) av	4642
L 90~270 (85) av	6169
L 45 (65) av	4879
L 45 (75) av	4663
L 45 (85) av	6250

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:9.790m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-04-13

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 9.790m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.98V I:0.0934A P:19.481W PF:0.9069 Freq:49.99Hz Lamp Flux:1785.94x1 lm		
NAME: PK-CL-30AD 18W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315										
0	575	575	575	575	575	575	575	575										
5	570	570	572	574	575	575	573	571										
10	559	559	563	568	570	570	566	561										
15	543	543	549	556	560	559	554	547										
20	522	523	530	539	544	543	537	527										
25	497	498	506	518	524	522	514	503										
30	467	469	479	492	499	498	488	475										
35	434	436	447	462	470	468	458	443										
40	398	400	411	428	437	435	424	407										
45	358	361	373	392	402	399	387	369										
50	317	319	332	352	363	360	347	327										
55	273	275	289	310	321	318	305	284										
60	228	230	244	265	278	274	261	239										
65	183	185	199	220	232	229	215	194										
70	140	141	155	175	187	185	170	150										
75	101	102	114	132	143	141	128	110										
80	67.8	68.7	78.5	94.2	104	102	90.4	75.3										
85	41.5	42.2	49.6	62.1	70.2	68.6	59.0	47.1										
90	22.6	22.9	28.0	37.2	43.2	42.0	34.8	26.3										
95	10.6	10.7	13.6	19.5	23.6	22.7	17.9	12.6										
100	4.23	4.33	5.49	8.65	9.76	10.1	7.73	4.98										
105	2.25	2.21	2.36	3.43	2.15	3.91	2.90	2.12										
110	2.47	2.47	2.27	2.20	1.84	1.97	1.96	2.02										
115	2.91	2.89	2.69	2.57	2.19	2.12	2.33	2.39										
120	3.31	3.30	3.10	3.00	2.56	2.48	2.69	2.79										
125	3.71	3.68	3.50	3.40	2.95	2.87	3.07	3.16										
130	4.10	4.04	3.88	3.80	3.36	3.26	3.45	3.55										
135	4.44	4.38	4.23	4.18	3.73	3.65	3.80	3.91										
140	4.76	4.68	4.54	4.53	4.10	4.04	4.14	4.26										
145	5.04	4.96	4.84	4.85	4.44	4.38	4.47	4.57										
150	5.29	5.19	5.12	5.14	4.77	4.73	4.79	4.86										
155	5.49	5.41	5.35	5.38	5.07	5.03	5.11	5.14										
160	5.67	5.60	5.57	5.62	5.35	5.32	5.41	5.38										
165	5.84	5.81	5.81	5.84	5.60	5.58	5.69	5.62										
170	5.99	6.05	6.07	6.07	5.82	5.81	5.95	5.84										
175	6.07	6.13	6.22	6.20	6.02	6.00	6.20	6.07										
180	6.11	6.13	6.27	6.21	6.11	6.12	6.27	6.18										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
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 Remarks: