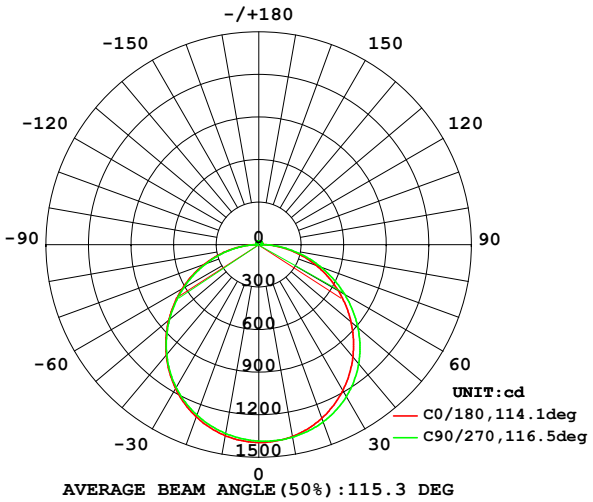
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

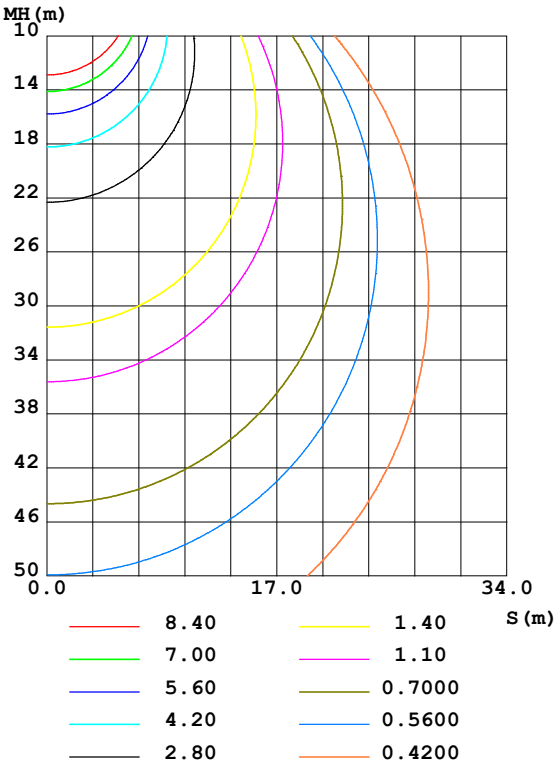
DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.58 lm/W			
MODEL	面板灯 40W 4000K	Imax(cd)	1395	S/MH(C0/180)	1.25
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4292.5	η UP,DN(C0-180)	1.6,50.4
NOMINAL FLUX(lm)	4292.52	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.5,46.5
LAMPS INSIDE	1	η up(%)	3.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):115.3 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [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
5	1390	1387	1387	1383	1388	1377	1373	1373	0- 5	33.09	33.09	0.77,0.77
10	1373	1375	1378	1372	1368	1356	1352	1350	5- 10	98.21	131.3	3.06,3.06
15	1343	1352	1359	1349	1336	1324	1320	1317	10- 15	160.2	291.5	6.79,6.79
20	1302	1317	1330	1315	1292	1280	1279	1273	15- 20	217.1	508.6	11.8,11.8
25	1250	1271	1289	1269	1237	1226	1227	1218	20- 25	266.9	775.5	18.1,18.1
30	1187	1214	1237	1212	1172	1162	1165	1154	25- 30	308.1	1084	25.2,25.2
35	1114	1146	1172	1144	1098	1089	1092	1080	30- 35	339.2	1423	33.1,33.1
40	1033	1068	1097	1066	1016	1007	1010	997.5	35- 40	359.1	1782	41.5,41.5
45	945.0	980.0	1010	979.5	926.0	916.5	920.3	907.5	40- 45	367.1	2149	50.1,50.1
50	850.0	884.2	913.2	883.7	829.8	819.9	822.9	811.3	45- 50	363.3	2512	58.5,58.5
55	750.2	781.8	808.9	782.3	728.8	717.9	720.2	710.2	50- 55	348.0	2860	66.6,66.6
60	647.0	674.5	698.7	676.0	624.4	613.0	614.0	605.6	55- 60	321.9	3182	74.1,74.1
65	541.1	564.3	584.8	566.3	518.1	506.1	505.7	499.6	60- 65	286.5	3469	80.8,80.8
70	433.7	451.8	468.9	454.8	410.9	399.0	397.7	393.0	65- 70	243.2	3712	86.5,86.5
75	326.5	339.1	353.2	342.9	303.7	292.4	290.4	287.1	70- 75	194.0	3906	91,91
80	220.2	227.9	238.6	232.0	197.6	187.2	185.7	183.1	75- 80	140.5	4046	94.3,94.3
85	116.3	118.7	127.4	123.2	93.43	84.00	82.89	80.23	80- 85	84.46	4131	96.2,96.2
90	24.29	25.90	27.38	28.43	14.33	14.16	14.16	14.14	85- 90	30.92	4162	97,97
95	17.61	17.41	17.10	17.36	14.81	15.21	15.14	15.06	90- 95	8.974	4171	97.2,97.2
100	18.56	18.21	18.03	18.11	15.77	16.05	16.10	15.89	95-100	9.037	4180	97.4,97.4
105	19.51	19.07	18.93	18.90	16.68	16.94	17.02	16.77	100-105	9.370	4189	97.6,97.6
110	20.35	19.85	19.79	19.71	17.59	17.86	17.91	17.66	105-110	9.606	4199	97.8,97.8
115	21.17	20.62	20.56	20.44	18.52	18.75	18.79	18.51	110-115	9.734	4208	98,98
120	21.92	21.47	21.27	21.18	19.42	19.62	19.64	19.31	115-120	9.741	4218	98.3,98.3
125	22.69	22.24	21.96	21.90	20.30	20.45	20.45	20.14	120-125	9.628	4228	98.5,98.5
130	23.48	22.99	22.71	22.63	21.22	21.33	21.38	21.04	125-130	9.411	4237	98.7,98.7
135	24.19	23.71	23.49	23.34	22.19	22.26	22.34	21.95	130-135	9.082	4246	98.9,98.9
140	24.92	24.43	24.10	23.99	23.15	23.16	23.14	22.86	135-140	8.622	4255	99.1,99.1
145	25.59	25.03	24.70	24.61	24.06	24.07	23.98	23.75	140-145	8.027	4263	99.3,99.3
150	26.25	25.64	25.34	25.22	24.94	24.94	24.88	24.66	145-150	7.305	4270	99.5,99.5
155	26.84	26.24	26.01	25.87	25.76	25.77	25.74	25.52	150-155	6.467	4277	99.6,99.6
160	27.49	26.87	26.73	26.57	26.58	26.48	26.46	26.28	155-160	5.512	4282	99.8,99.8
165	27.93	27.36	27.34	27.11	27.24	27.14	27.05	26.91	160-165	4.439	4287	99.9,99.9
170	28.14	27.73	27.77	27.49	27.72	27.62	27.54	27.40	165-170	3.254	4290	99.9,99.9
175	28.30	28.03	27.97	27.76	28.13	27.97	27.92	27.73	170-175	1.986	4292	100,100
180	28.22	28.11	28.03	27.87	28.36	28.11	28.09	27.88	175-180	0.6684	4293	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

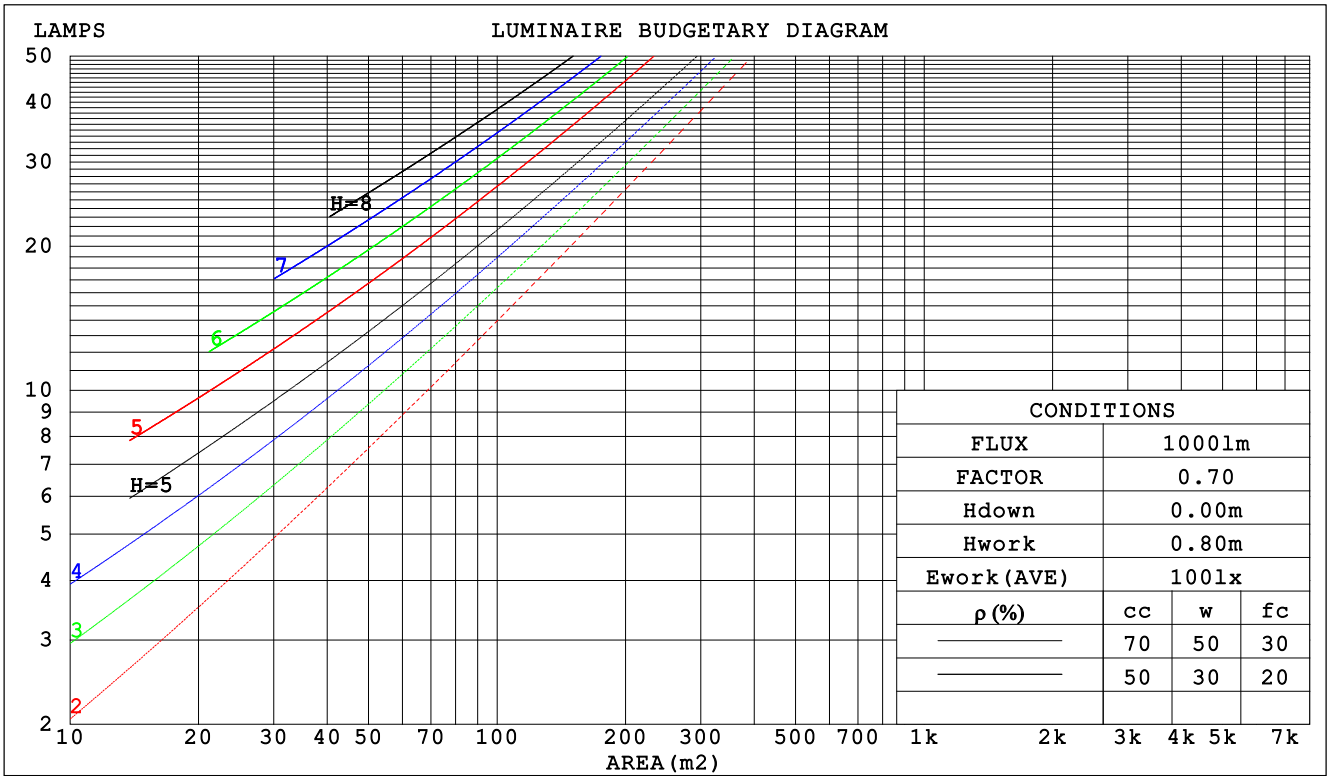
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION 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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.02	.98	.94	.00	.96	.92	.95	.92	.89	.91	.88	.85	.86	.84	.82	.80
2.0	.89	.82	.76	.87	.80	.75	.83	.77	.72	.79	.74	.70	.75	.72	.68	.66
3.0	.78	.69	.63	.76	.68	.62	.72	.66	.60	.69	.64	.59	.66	.62	.58	.55
4.0	.69	.60	.53	.67	.59	.52	.64	.57	.51	.62	.55	.50	.59	.54	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.49	.43	.53	.47	.43	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.40	.34	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

H:\积分球测试数据\1.光衰测试\2017年光衰测试\LT170237\面板灯 40W 4000K-1H光度分布计.GOS

WEC AND CCEC

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION 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	.324	.184	.058	.316	.180	.057	.300	.172	.055	.287	.165	.053	.274	.159	.051	
2.0	.300	.164	.050	.293	.161	.050	.280	.155	.048	.267	.150	.047	.256	.145	.046	
3.0	.276	.147	.044	.269	.144	.043	.257	.140	.042	.246	.135	.041	.236	.131	.040	
4.0	.253	.132	.039	.248	.130	.038	.237	.126	.038	.227	.122	.037	.218	.118	.036	
5.0	.233	.119	.034	.228	.117	.034	.219	.114	.034	.210	.111	.033	.202	.108	.032	
6.0	.216	.108	.031	.211	.107	.031	.203	.104	.030	.195	.101	.030	.187	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027	
8.0	.187	.091	.026	.183	.090	.026	.176	.088	.025	.170	.086	.025	.164	.084	.024	
9.0	.175	.085	.024	.172	.084	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.150	.075	.021	.145	.073	.021	

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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.205	.179	.157	.175	.154	.135	.120	.106	.093	.069	.061	.054	.022	.020	.018	
2.0	.197	.155	.121	.169	.134	.104	.116	.093	.073	.067	.054	.043	.021	.017	.014	
3.0	.189	.138	.097	.162	.119	.084	.111	.083	.059	.064	.048	.035	.021	.016	.011	
4.0	.182	.125	.082	.156	.108	.071	.107	.075	.050	.062	.044	.030	.020	.014	.010	
5.0	.174	.115	.071	.150	.099	.061	.103	.069	.043	.060	.041	.026	.019	.013	.008	
6.0	.167	.106	.063	.143	.092	.055	.099	.064	.039	.057	.038	.023	.019	.012	.008	
7.0	.160	.099	.057	.138	.086	.050	.095	.060	.035	.055	.036	.021	.018	.012	.007	
8.0	.154	.094	.053	.132	.081	.046	.091	.057	.033	.053	.034	.019	.017	.011	.006	
9.0	.147	.089	.049	.127	.077	.043	.088	.054	.030	.051	.032	.018	.017	.010	.006	
10.0	.142	.085	.046	.122	.073	.041	.085	.052	.029	.049	.031	.017	.016	.010	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION 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	21.8	23.3	22.1	23.5	23.8	22.1	23.6	22.4	23.9	24.1
3H	23.5	24.9	23.8	25.1	25.4	23.8	25.2	24.2	25.5	25.8
4H	24.2	25.5	24.6	25.8	26.2	24.6	25.9	25.0	26.2	26.6
6H	24.8	26.1	25.2	26.4	26.8	25.3	26.5	25.6	26.8	27.2
8H	25.1	26.3	25.5	26.6	27.0	25.5	26.7	25.9	27.0	27.4
12H	25.3	26.4	25.7	26.8	27.1	25.7	26.9	26.1	27.2	27.6
4H 2H	22.5	23.8	22.8	24.1	24.4	22.7	24.0	23.1	24.4	24.7
3H	24.4	25.5	24.8	25.9	26.2	24.7	25.8	25.1	26.2	26.5
4H	25.2	26.3	25.7	26.7	27.1	25.6	26.6	26.0	27.0	27.4
6H	26.0	27.0	26.5	27.4	27.8	26.4	27.3	26.8	27.7	28.2
8H	26.3	27.2	26.8	27.6	28.1	26.7	27.6	27.2	28.0	28.5
12H	26.6	27.4	27.1	27.8	28.3	27.0	27.8	27.4	28.2	28.7
8H 4H	25.6	26.5	26.1	26.9	27.4	25.9	26.8	26.4	27.2	27.6
6H	26.6	27.3	27.1	27.8	28.2	26.9	27.6	27.4	28.1	28.6
8H	27.0	27.6	27.5	28.1	28.6	27.3	28.0	27.8	28.5	29.0
12H	27.4	27.9	27.9	28.4	29.0	27.7	28.3	28.2	28.8	29.3
12H 4H	25.6	26.5	26.1	26.9	27.4	25.9	26.7	26.4	27.2	27.6
6H	26.7	27.3	27.2	27.8	28.3	27.0	27.6	27.5	28.1	28.6
8H	27.2	27.7	27.7	28.2	28.8	27.5	28.0	28.0	28.5	29.1
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 Corrected 4293 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.1)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION 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	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	64	53	46	62	52	45	38
1.00	74	62	55	73	62	55	70	63	54	46
1.25	81	70	63	79	69	62	76	68	61	53
1.50	86	76	68	84	75	68	81	73	67	58
2.00	93	84	77	91	83	76	87	80	75	66
2.50	97	89	83	95	87	81	90	84	79	70
3.00	101	93	87	98	91	86	94	88	84	74
4.00	105	99	94	102	97	92	97	93	89	79
5.00	107	102	98	104	100	96	99	96	92	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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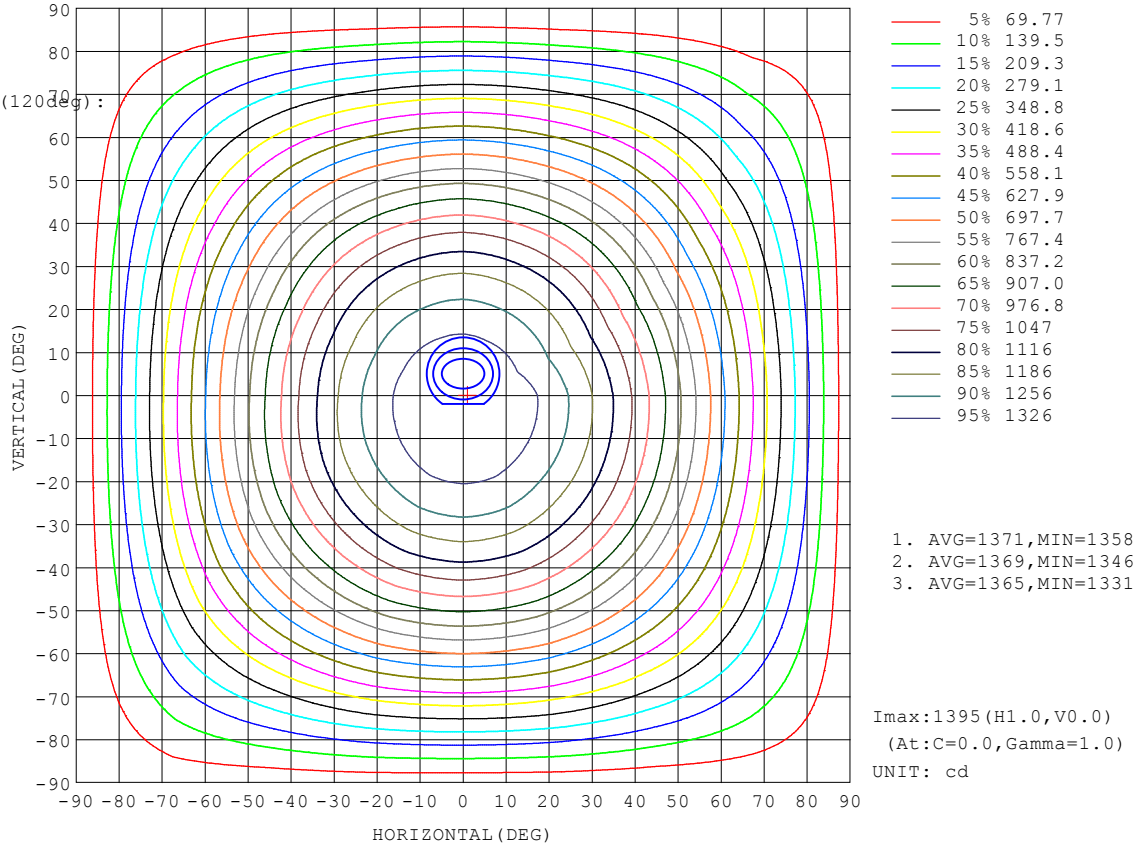
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
2148.9 lm
%lum = 50.1%
%lamp = 50.1%

Conical surface Flux(120deg):
3182.1 lm
%lum = 74.1%
%lamp = 74.1%



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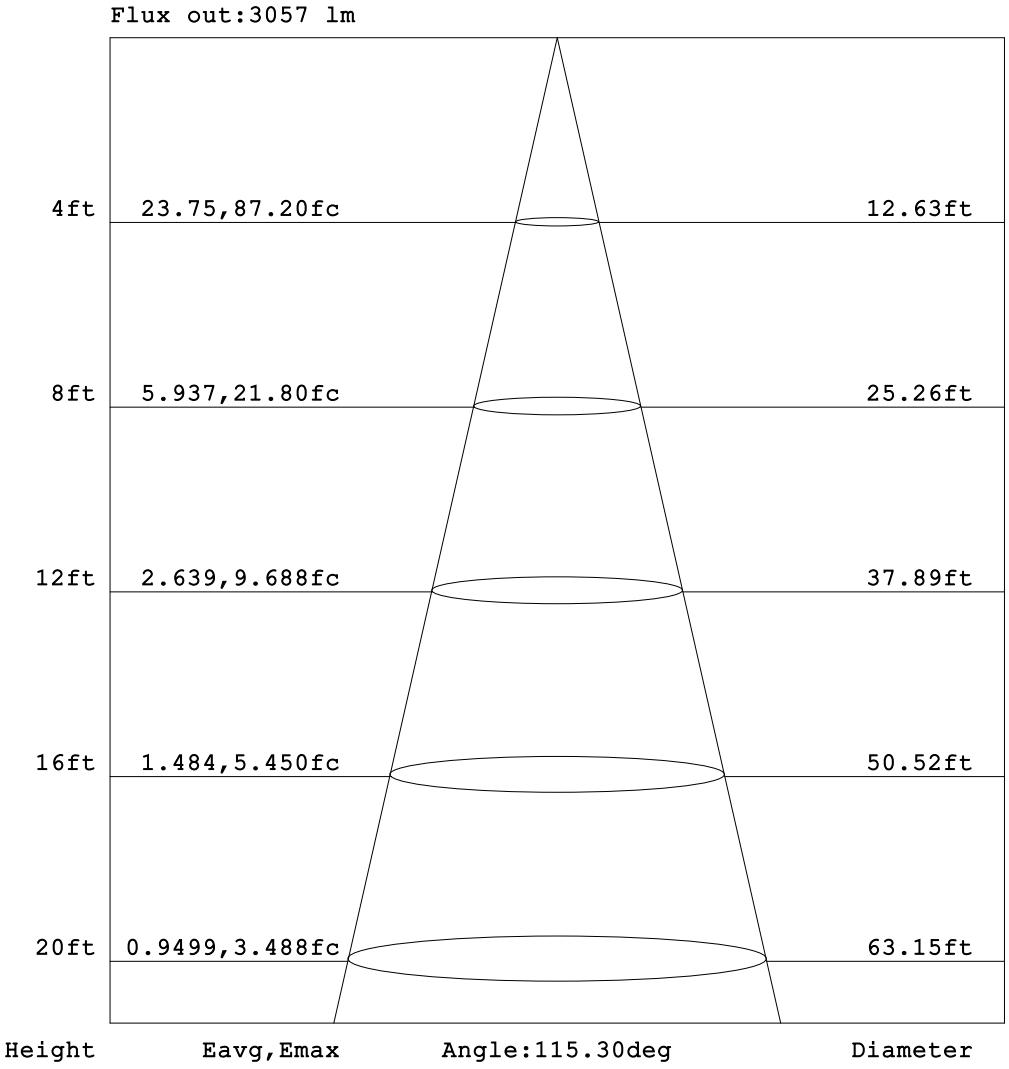
Test Distance:5.730m [K=1.0000]
Remarks:

H:\积分球测试数据\1.光衰测试\2017年光衰测试\LT170237\面板灯 40W 4000K-1H光度分布计.GOS

AAI Figure

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION 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:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

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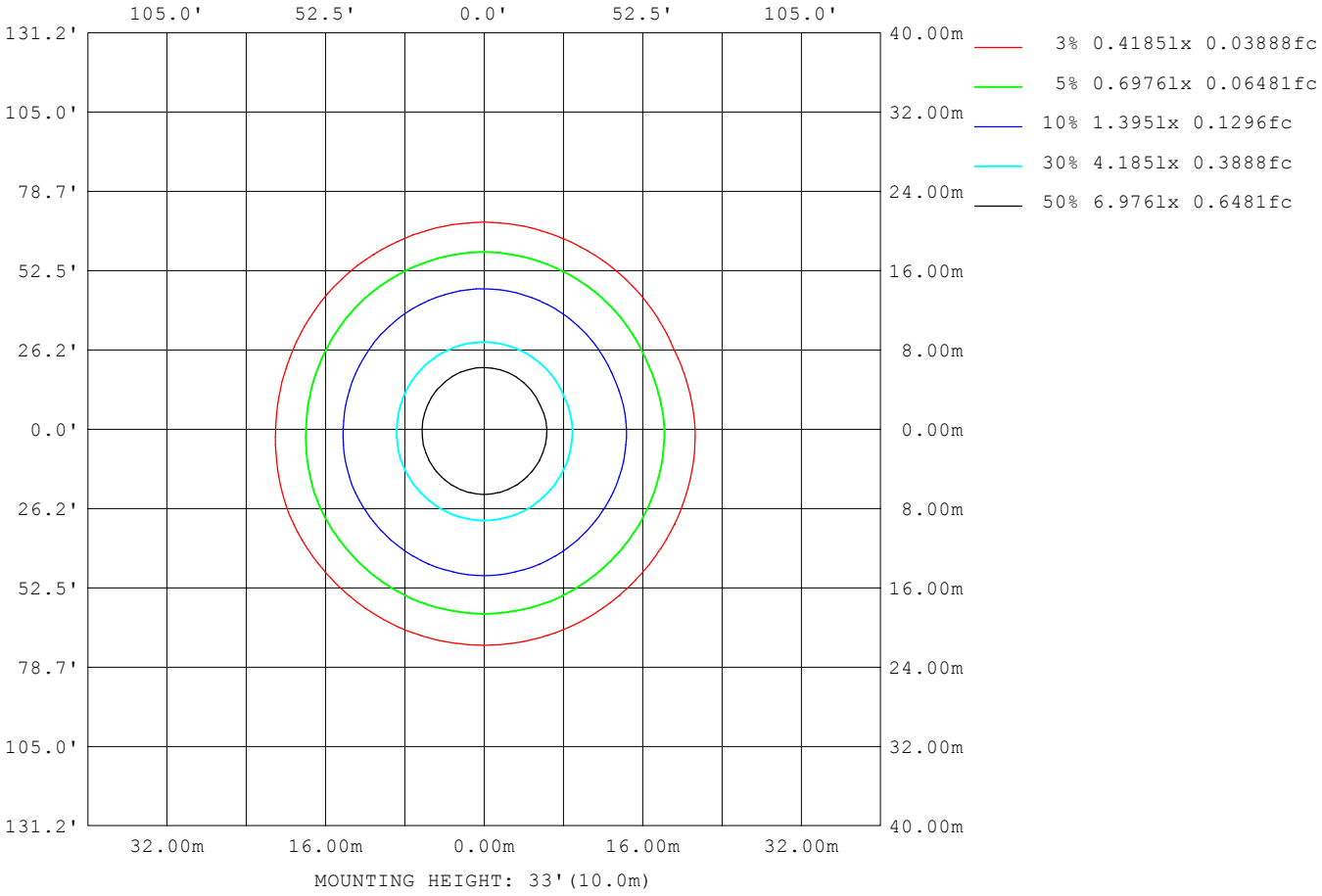
ISOLUX DIAGRAM

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

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LED Avg.L Report

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

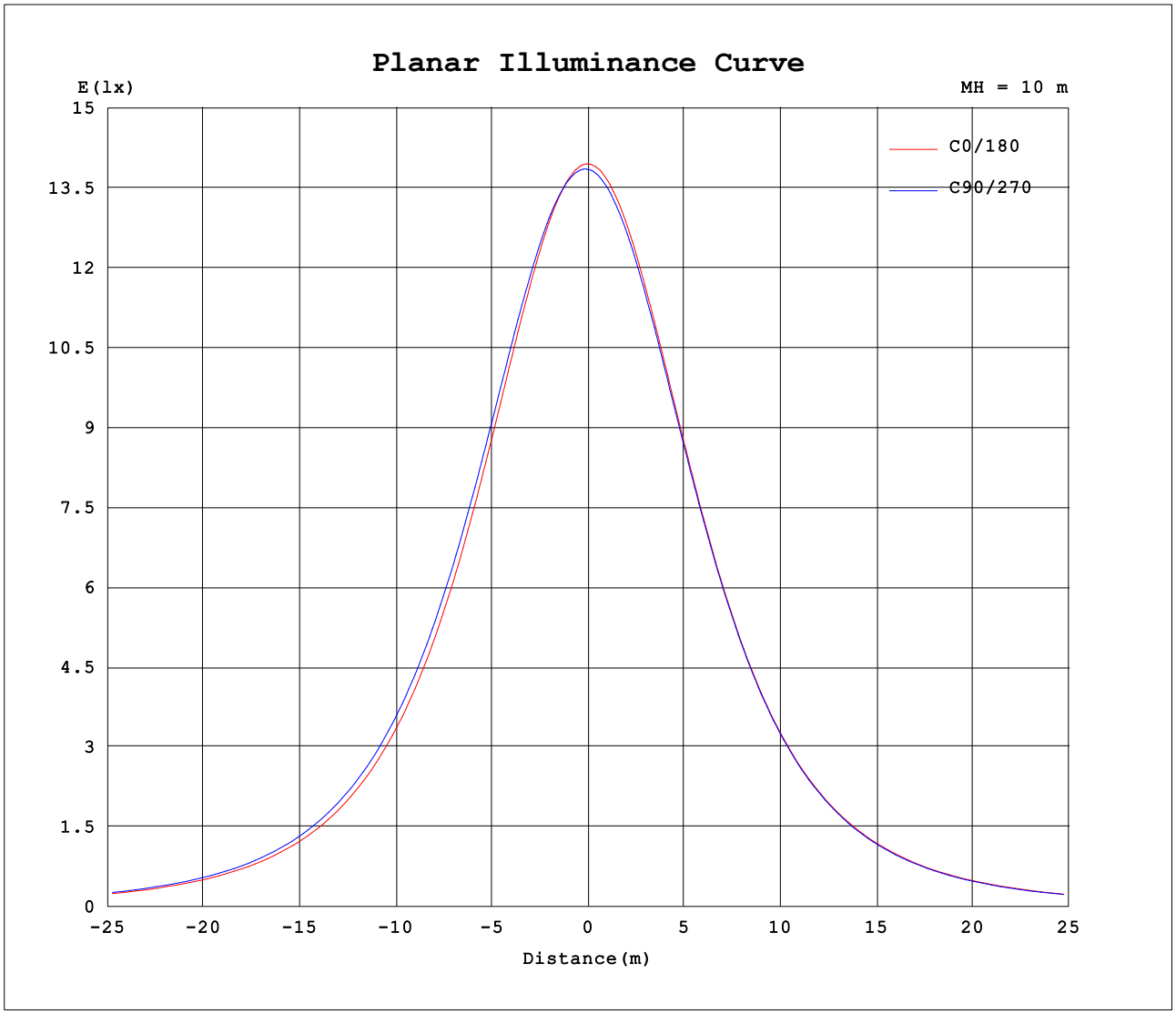
AvgL	cd/m2
L_0~180(65)av	12532
L_0~180(75)av	12176
L_0~180(85)av	12031
L_90~270(65)av	12902
L_90~270(75)av	12434
L_90~270(85)av	12062
L_45(65)av	12638
L_45(75)av	12184
L_45(85)av	11649

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-12-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:5.730m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.3418A P:40.28W PF:0.9829 Lamp Flux:4292.52x1 lm		
NAME: 面板灯 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	1395	1391	1388	1386	1385	1384	1384	1383	1395	1391	1388	1386	1385	1384	1384	1383			
5	1390	1388	1387	1387	1387	1385	1383	1381	1388	1381	1377	1374	1373	1372	1373	1372			
10	1373	1374	1375	1378	1378	1376	1372	1367	1368	1359	1356	1352	1352	1350	1350	1350			
15	1343	1347	1352	1358	1359	1356	1349	1341	1336	1326	1324	1321	1320	1317	1317	1316			
20	1302	1309	1317	1327	1330	1326	1315	1303	1292	1282	1280	1278	1279	1274	1273	1271			
25	1250	1260	1271	1285	1289	1284	1269	1254	1237	1226	1226	1225	1227	1221	1218	1216			
30	1187	1200	1214	1232	1237	1231	1212	1195	1172	1161	1162	1162	1165	1157	1154	1150			
35	1114	1129	1146	1167	1172	1166	1144	1125	1098	1086	1089	1089	1092	1084	1080	1075			
40	1033	1049	1068	1090	1097	1089	1066	1046	1016	1003	1007	1007	1010	1002	997	993			
45	945	962	980	1004	1010	1003	979	959	926	913	917	917	920	912	908	902			
50	850	867	884	908	913	907	884	865	830	817	820	819	823	814	811	807			
55	750	766	782	804	809	804	782	765	729	717	718	717	720	712	710	707			
60	647	661	675	694	699	695	676	662	624	612	613	611	614	607	606	603			
65	541	554	564	581	585	582	566	555	518	506	506	503	506	499	500	498			
70	434	444	452	467	469	468	455	447	411	399	399	395	398	392	393	392			
75	327	335	339	353	353	355	343	339	304	293	292	288	290	285	287	286			
80	220	226	228	238	239	240	232	231	198	188	187	182	186	180	183	182			
85	116	119	119	126	127	128	123	124	93.4	84.7	84.0	79.6	82.9	77.4	80.2	80.3			
90	24.3	26.5	25.9	29.2	27.4	30.3	28.4	29.6	14.3	14.4	14.2	14.3	14.2	14.4	14.1	14.0			
95	17.6	17.4	17.4	17.2	17.1	17.2	17.4	17.3	14.8	15.0	15.2	15.2	15.1	15.2	15.1	14.8			
100	18.6	18.3	18.2	18.1	18.0	18.0	18.1	18.1	15.8	15.9	16.1	16.2	16.1	16.1	15.9	15.7			
105	19.5	19.2	19.1	19.0	18.9	18.9	18.9	18.9	16.7	16.8	16.9	17.0	17.0	17.0	16.8	16.6			
110	20.4	20.1	19.8	19.8	19.8	19.7	19.7	19.7	17.6	17.7	17.9	17.9	17.9	17.8	17.7	17.4			
115	21.2	20.8	20.6	20.6	20.6	20.4	20.4	20.5	18.5	18.6	18.7	18.8	18.8	18.7	18.5	18.3			
120	21.9	21.6	21.5	21.4	21.3	21.2	21.2	21.2	19.4	19.5	19.6	19.7	19.6	19.5	19.3	19.1			
125	22.7	22.4	22.2	22.1	22.0	21.9	21.9	21.9	20.3	20.4	20.5	20.5	20.4	20.3	20.1	19.9			
130	23.5	23.2	23.0	22.8	22.7	22.8	22.6	22.6	21.2	21.3	21.3	21.4	21.4	21.3	21.0	20.8			
135	24.2	24.0	23.7	23.6	23.5	23.5	23.3	23.3	22.2	22.2	22.3	22.3	22.3	22.1	21.9	21.8			
140	24.9	24.7	24.4	24.2	24.1	24.1	24.0	24.0	23.2	23.2	23.2	23.3	23.1	23.0	22.9	22.7			
145	25.6	25.4	25.0	24.8	24.7	24.7	24.6	24.6	24.1	24.0	24.1	24.1	24.0	23.9	23.8	23.6			
150	26.2	26.0	25.6	25.5	25.3	25.4	25.2	25.3	24.9	24.9	24.9	25.0	24.9	24.8	24.7	24.4			
155	26.8	26.7	26.2	26.0	26.0	26.1	25.9	25.9	25.8	25.7	25.8	25.8	25.7	25.7	25.5	25.4			
160	27.5	27.3	26.9	26.7	26.7	26.7	26.6	26.6	26.6	26.5	26.5	26.5	26.5	26.4	26.3	26.1			
165	27.9	27.8	27.4	27.3	27.3	27.3	27.1	27.2	27.2	27.1	27.1	27.1	27.0	27.0	26.9	26.7			
170	28.1	28.0	27.7	27.7	27.8	27.6	27.5	27.6	27.7	27.6	27.6	27.5	27.5	27.4	27.4	27.2			
175	28.3	28.2	28.0	28.0	28.0	27.8	27.8	27.8	28.1	27.9	28.0	27.8	27.9	27.7	27.7	27.5			
180	28.2	28.2	28.1	28.0	28.0	27.9	27.9	27.8	28.4	28.1	28.1	28.0	28.1	27.9	27.9	27.7			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2017-12-27

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Remarks: