

FCL9 inch LED Downlight

FCL9-30W



Light Output Ratio:	100.0%	
Luminaire Power:	32.07 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.25	fine grid method.

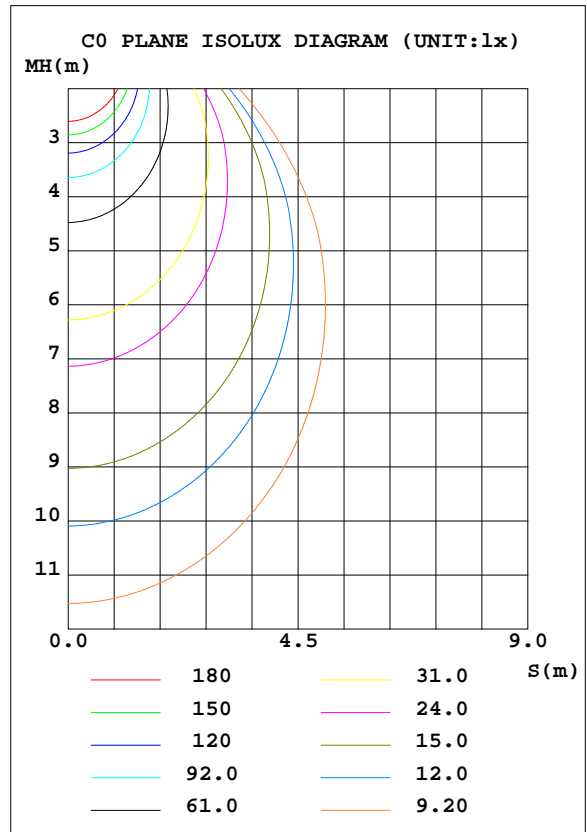
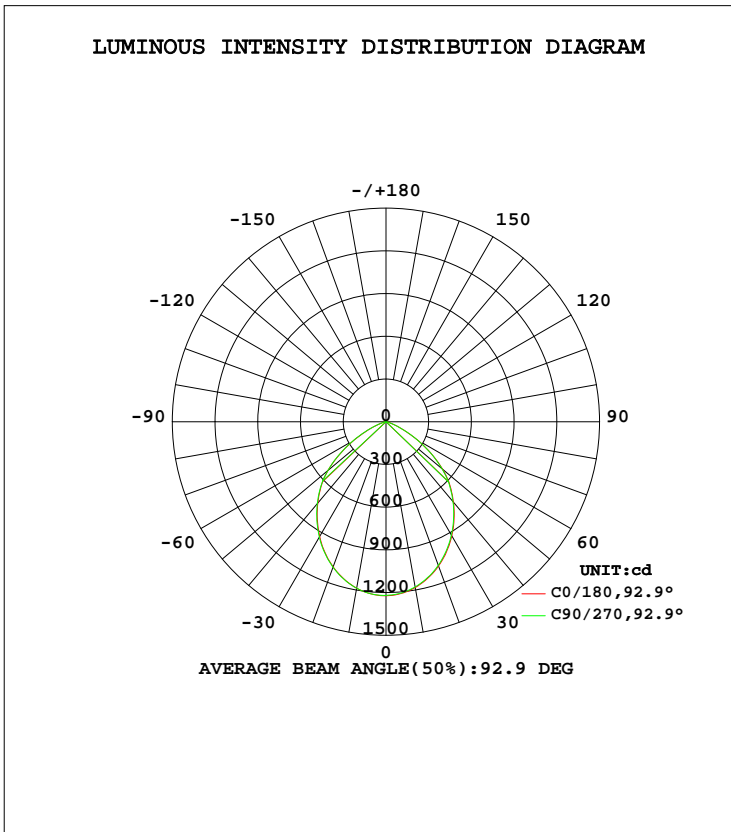
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Teddy
Test Date: 2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
Humidity: 65.0%
Test Distance: 26.000m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.31 lm/W			
MODEL	FCL9-30W	I _{max} (cd)	1222	S/MH(C0/180)	1.14
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.14
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2447.4	η UP, DN(C0-180)	0.1, 49.5
NOMINAL FLUX(lm)	2447.4	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 50.2
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.2	η down(%)	99.7	CIBSE SHR MAX	1.25



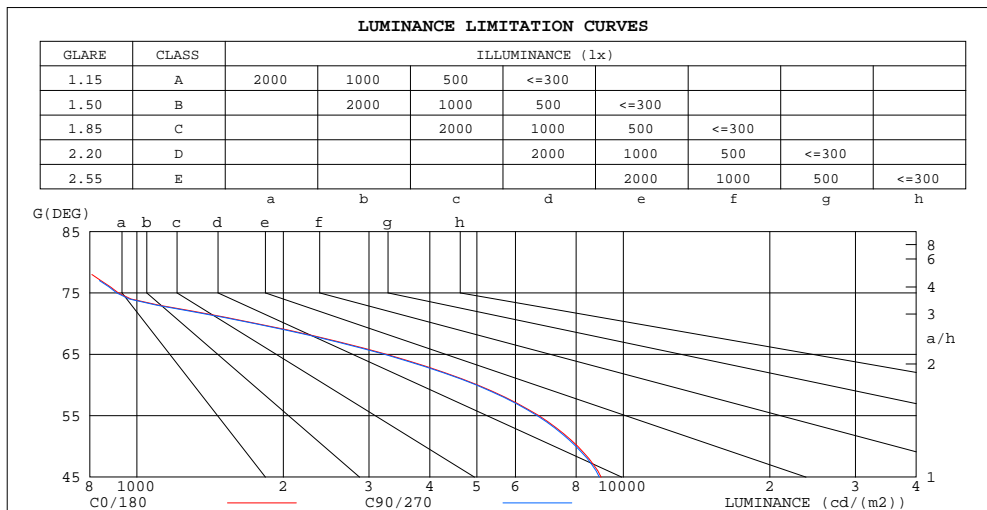
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Teddy
 Test Date:2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1182	1179	1178	1179	1187	1187	1187	1186	0- 10	114.7	114.7	4.69,4.69
20	1078	1074	1073	1073	1085	1087	1088	1084	10- 20	320.6	435.2	17.8,17.8
30	924.8	920.9	919.0	918.8	931.2	934.8	936.2	931.9	20- 30	464.1	899.3	36.7,36.7
40	737.2	733.2	731.9	732.9	745.1	748.9	750.5	746.1	30- 40	522.6	1422	58.1,58.1
50	518.4	513.4	513.8	517.1	531.2	534.2	533.2	528.8	40- 50	491.4	1913	78.2,78.2
60	250.8	246.5	249.2	255.7	259.7	261.9	265.7	260.4	50- 60	347.3	2261	92.4,92.4
70	60.32	58.66	59.83	61.78	59.87	60.36	65.11	64.06	60- 70	144.4	2405	98.3,98.3
80	12.82	12.68	12.44	12.12	12.45	12.42	12.63	13.15	70- 80	29.80	2435	99.5,99.5
90	0	0.0011	0	0	0	0	0	0	80- 90	5.205	2440	99.7,99.7
100	0	0	0	0	0.0316	0.0791	0.1265	0.1109	90-100	0.0097	2440	99.7,99.7
110	0.2052	0.2356	0.2049	0.1894	0.4734	0.5206	0.5851	0.6163	100-110	0.1794	2440	99.7,99.7
120	0.7721	0.8339	0.7729	0.7413	1.183	1.230	1.295	1.360	110-120	0.7005	2441	99.7,99.7
130	1.291	1.417	1.371	1.278	1.751	1.813	1.894	1.958	120-130	1.183	2442	99.8,99.8
140	1.703	1.750	1.781	1.751	2.271	2.302	2.368	2.448	130-140	1.414	2444	99.8,99.8
150	2.097	2.316	2.224	2.226	2.776	2.774	2.904	2.984	140-150	1.445	2445	99.9,99.9
160	2.253	2.648	2.546	2.336	2.980	2.898	3.108	3.193	150-160	1.220	2446	100,100
170	3.389	3.341	3.375	3.409	3.580	3.594	3.676	3.758	160-170	0.8315	2447	100,100
180	3.958	3.830	3.975	4.026	3.942	3.830	3.928	4.041	170-180	0.3585	2447	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	516	455
80	739	716
75	916	909
70	1764	1749
65	3254	3223
60	5016	4984
55	6707	6654
50	8064	7993
45	8998	8925

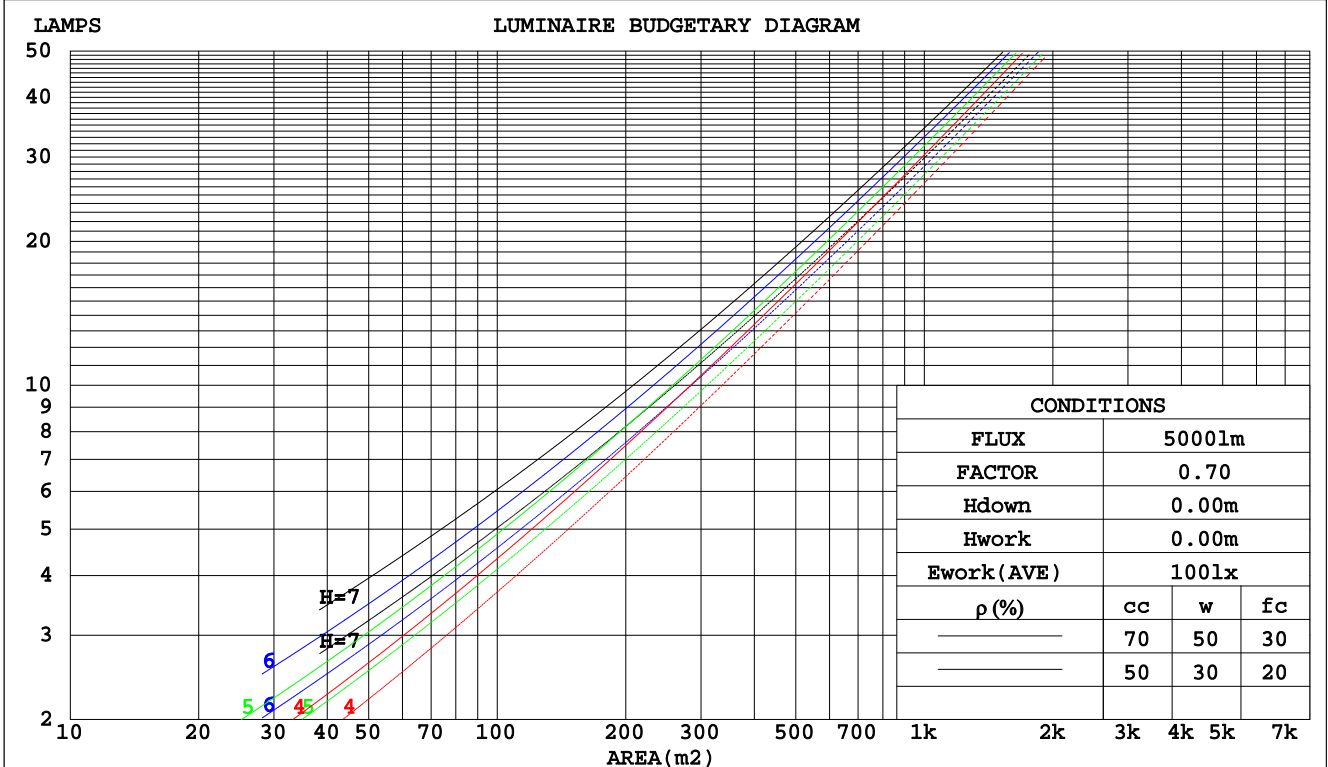
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Teddy
Test Date:2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:26.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.90	.88
2.0	.96	.91	.86	.94	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.75	.71	.77	.73	.69	.67
4.0	.78	.70	.64	.76	.69	.64	.74	.68	.63	.72	.66	.62	.70	.65	.61	.59
5.0	.70	.62	.56	.69	.62	.56	.67	.60	.55	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.49	.59	.53	.49	.58	.53	.48	.47
7.0	.58	.50	.45	.57	.50	.45	.56	.49	.44	.55	.48	.44	.53	.48	.44	.42
8.0	.53	.46	.40	.53	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.39	.38
9.0	.49	.42	.37	.49	.41	.36	.48	.41	.36	.46	.40	.36	.46	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Teddy
 Test Date: 2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	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 Coefficients(WEC)									
0.0																
1.0	.241	.137	.043	.234	.134	.042	.221	.127	.041	.209	.121	.039	.198	.115	.037	
2.0	.236	.130	.040	.230	.127	.039	.219	.122	.038	.209	.117	.037	.199	.112	.035	
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.201	.110	.034	.193	.107	.033	
4.0	.214	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.185	.100	.031	
5.0	.202	.103	.030	.198	.101	.030	.190	.099	.029	.182	.096	.029	.176	.094	.028	
6.0	.190	.095	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.179	.089	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.161	.080	.023	.155	.079	.023	.150	.077	.023	
9.0	.160	.077	.022	.157	.077	.022	.152	.075	.021	.148	.074	.021	.143	.073	.021	
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.140	.070	.020	.136	.069	.020	

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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.178	.159	.142	.152	.137	.122	.104	.094	.085	.060	.054	.049	.019	.017	.016	
2.0	.167	.134	.107	.143	.116	.093	.098	.080	.065	.057	.047	.038	.018	.015	.012	
3.0	.158	.116	.083	.136	.100	.072	.093	.070	.050	.054	.041	.030	.017	.013	.010	
4.0	.150	.103	.066	.129	.089	.057	.089	.062	.040	.051	.036	.024	.017	.012	.008	
5.0	.143	.092	.054	.123	.079	.047	.085	.055	.033	.049	.033	.020	.016	.011	.006	
6.0	.137	.083	.045	.117	.072	.039	.081	.050	.028	.047	.030	.016	.015	.010	.005	
7.0	.130	.076	.038	.112	.066	.033	.077	.046	.024	.045	.027	.014	.015	.009	.005	
8.0	.125	.070	.033	.107	.061	.029	.074	.043	.021	.043	.025	.012	.014	.008	.004	
9.0	.119	.065	.029	.103	.057	.025	.071	.040	.018	.041	.024	.011	.013	.008	.004	
10.0	.114	.061	.026	.098	.053	.023	.068	.037	.016	.040	.022	.010	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Teddy
 Test Date:2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm										
NAME: FCL9 inch LED Downlights					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.: 深圳市正禾实业有限公司					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	18.9	20.2	19.1	20.4	20.6	18.8	20.2	19.1	20.4	20.6
3H	19.0	20.2	19.3	20.5	20.7	19.0	20.2	19.3	20.4	20.7
4H	19.0	20.1	19.3	20.3	20.6	18.9	20.1	19.2	20.3	20.6
6H	18.9	20.0	19.2	20.2	20.5	18.8	19.9	19.2	20.2	20.5
8H	18.8	19.9	19.2	20.1	20.4	18.8	19.8	19.1	20.1	20.4
12H	18.8	19.8	19.1	20.1	20.4	18.8	19.7	19.1	20.0	20.3
4H 2H	19.0	20.1	19.3	20.4	20.6	19.0	20.1	19.3	20.4	20.6
3H	19.2	20.2	19.5	20.4	20.7	19.1	20.1	19.5	20.4	20.7
4H	19.1	20.0	19.5	20.3	20.7	19.1	20.0	19.5	20.3	20.6
6H	19.1	19.9	19.5	20.2	20.6	19.0	19.8	19.4	20.2	20.5
8H	19.0	19.8	19.5	20.1	20.5	19.0	19.7	19.4	20.1	20.5
12H	19.0	19.7	19.4	20.1	20.5	19.0	19.6	19.4	20.0	20.4
8H 4H	19.0	19.8	19.4	20.1	20.5	19.0	19.7	19.4	20.1	20.5
6H	19.0	19.6	19.4	20.0	20.4	19.0	19.6	19.4	20.0	20.4
8H	19.0	19.5	19.4	19.9	20.4	18.9	19.5	19.4	19.9	20.3
12H	18.9	19.4	19.4	19.8	20.3	18.9	19.3	19.4	19.8	20.3
12H 4H	19.0	19.6	19.4	20.0	20.4	19.0	19.6	19.4	20.0	20.4
6H	19.0	19.5	19.4	19.9	20.4	18.9	19.4	19.4	19.9	20.3
8H	18.9	19.4	19.4	19.8	20.3	18.9	19.3	19.4	19.8	20.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 1.0					+ 0.7 / - 1.0				
1.5H	+ 0.4 / - 0.6					+ 0.4 / - 0.6				
2.0H	+ 1.5 / - 2.4					+ 1.4 / - 2.4				

CIE Pub.117 Corrected 2447 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Teddy
 Test Date:2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	SUR.:	PROTECTION ANGLE:

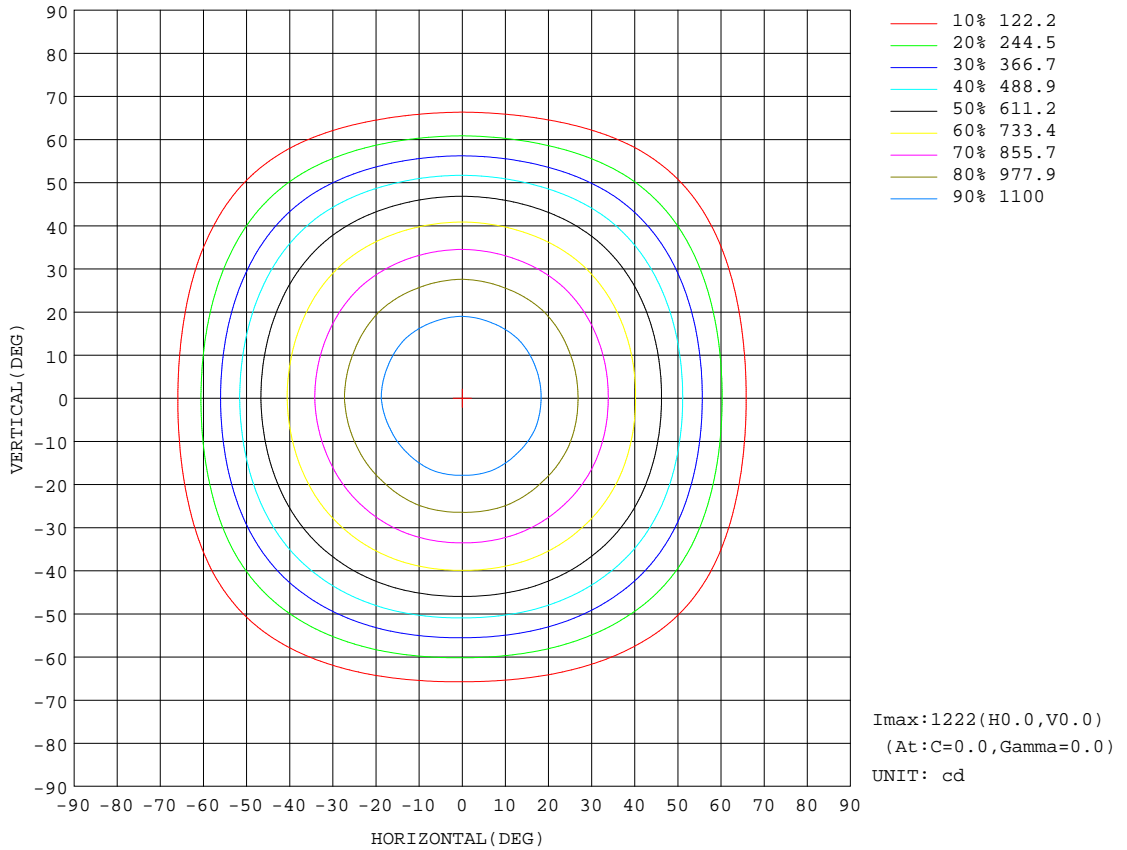
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	65	54	48	64	54	48	63	54	48	42
0.80	75	65	59	74	65	59	73	64	58	52
1.00	84	74	68	83	74	68	81	75	68	61
1.25	90	82	76	89	81	76	87	80	75	69
1.50	95	87	81	93	86	81	91	84	80	73
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	100	96	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	105	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:25.3DEG
 Operators:Teddy
 Test Date:2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	SUR.:	PROTECTION ANGLE:

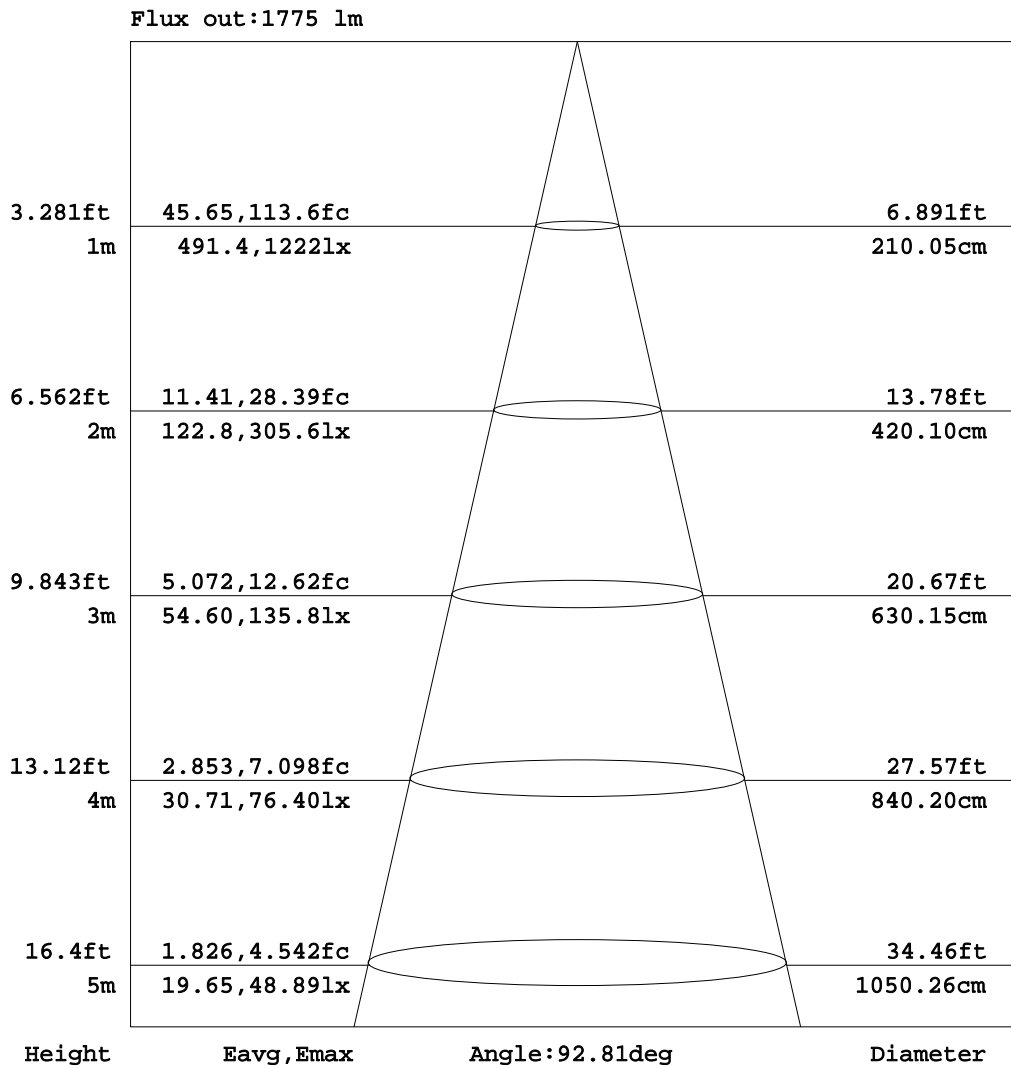


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Teddy
 Test Date: 2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	SUR.:	PROTECTION ANGLE:



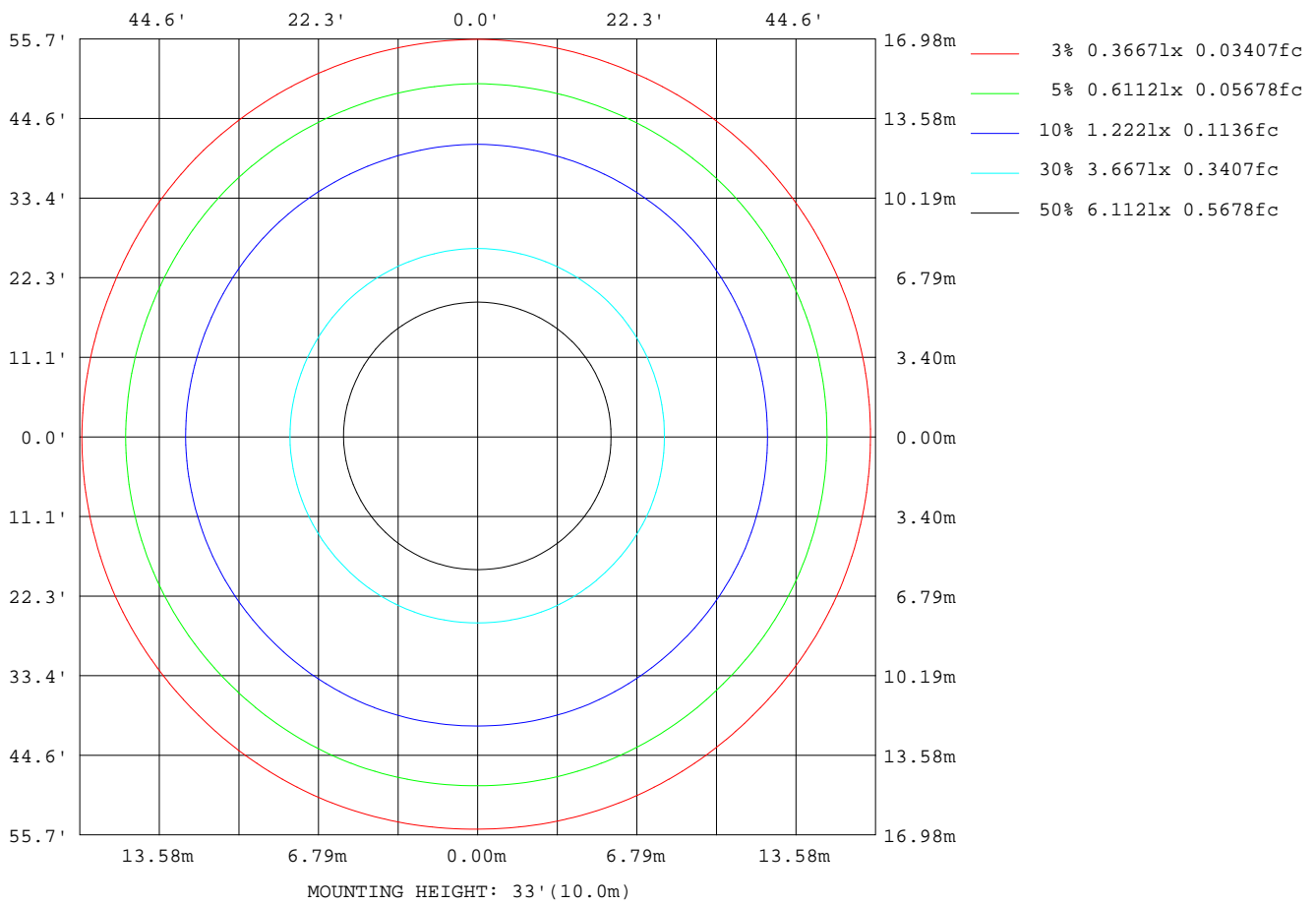
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Teddy
 Test Date:2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

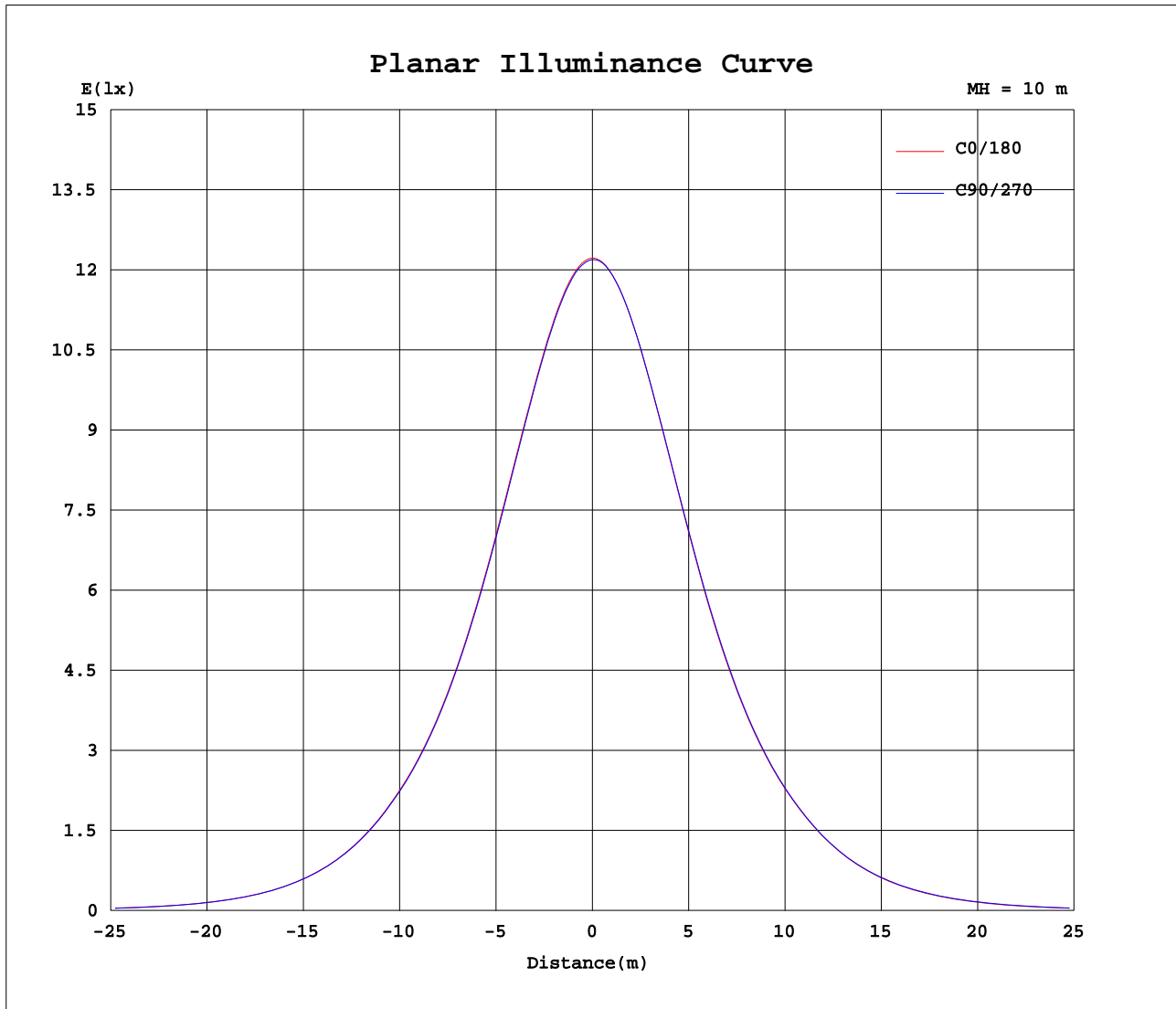
Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Teddy
 Test Date: 2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Teddy
Test Date: 2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
Humidity: 65.0%
Test Distance: 26.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.1528A P:32.07W PF:0.9536 Lamp Flux:2447.4x1 lm		
NAME: FCL9 inch LED Downlights	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 深圳市正禾实业有限公司	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	1222	1222	1220	1220	1219	1219	1218	1218	1222	1222	1220	1220	1219	1219	1218	1218			
5	1211	1211	1208	1209	1208	1209	1208	1208	1213	1213	1213	1213	1213	1212	1211	1210			
10	1182	1182	1179	1180	1178	1180	1179	1180	1187	1186	1187	1187	1187	1186	1186	1183			
15	1137	1137	1134	1135	1133	1135	1133	1135	1143	1142	1145	1144	1145	1142	1143	1139			
20	1078	1079	1074	1076	1073	1075	1073	1076	1085	1084	1087	1086	1088	1084	1084	1080			
25	1007	1008	1003	1005	1001	1004	1001	1005	1014	1013	1017	1016	1018	1013	1014	1008			
30	925	925	921	922	919	921	919	923	931	930	935	935	936	932	932	927			
35	834	835	830	831	829	831	829	832	841	841	844	845	846	843	842	837			
40	737	738	733	734	732	734	733	737	745	745	749	749	750	746	746	741			
45	636	637	632	634	631	634	633	638	646	645	649	648	650	646	646	640			
50	518	518	513	516	514	518	517	523	531	530	534	531	533	529	529	522			
55	385	384	379	383	382	387	386	392	396	393	399	397	399	395	395	388			
60	251	251	246	250	249	255	256	261	260	256	262	263	266	261	260	254			
65	138	138	135	137	136	140	141	143	141	138	143	144	148	144	144	139			
70	60.3	60.6	58.7	60.3	59.8	62.4	61.8	62.0	59.9	57.9	60.4	61.6	65.1	64.0	64.1	61.4			
75	23.7	23.8	23.5	23.8	23.5	24.0	23.5	23.6	23.8	23.3	23.5	23.4	24.1	24.0	24.4	24.0			
80	12.8	13.0	12.7	12.9	12.4	12.6	12.1	12.2	12.5	12.2	12.4	12.3	12.6	12.5	13.2	13.1			
85	4.50	4.47	4.20	4.28	3.96	4.21	3.76	3.98	4.09	4.05	4.27	3.93	4.20	3.99	4.54	4.52			
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	0.00	0.00	0.00	0.00			
95	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.00			
100	0.00	0.00	0.00	0.06	0.00	0.09	0.00	0.02	0.03	0.02	0.08	0.00	0.13	0.00	0.11	0.02			
105	0.00	0.13	0.00	0.21	0.00	0.22	0.00	0.14	0.21	0.20	0.25	0.09	0.33	0.11	0.33	0.19			
110	0.21	0.33	0.24	0.43	0.20	0.46	0.19	0.35	0.47	0.45	0.52	0.38	0.59	0.41	0.62	0.47			
115	0.50	0.60	0.52	0.69	0.47	0.73	0.47	0.62	0.82	0.75	0.87	0.71	0.93	0.74	0.98	0.80			
120	0.77	0.90	0.83	1.01	0.77	1.00	0.74	0.90	1.18	1.15	1.23	1.06	1.29	1.14	1.36	1.25			
125	1.01	1.17	1.12	1.28	1.04	1.28	1.03	1.17	1.45	1.46	1.50	1.37	1.61	1.50	1.64	1.51			
130	1.29	1.40	1.42	1.59	1.37	1.59	1.28	1.44	1.75	1.73	1.81	1.67	1.89	1.74	1.96	1.81			
135	1.48	1.58	1.56	1.72	1.58	1.78	1.50	1.61	1.99	1.99	2.10	1.92	2.15	2.00	2.21	2.07			
140	1.70	1.86	1.75	1.97	1.78	1.99	1.75	1.82	2.27	2.22	2.30	2.21	2.37	2.22	2.45	2.32			
145	1.88	2.11	2.05	2.16	2.00	2.16	1.97	2.15	2.52	2.49	2.55	2.41	2.64	2.51	2.70	2.57			
150	2.10	2.32	2.32	2.31	2.22	2.32	2.23	2.27	2.78	2.74	2.77	2.69	2.90	2.76	2.98	2.79			
155	2.19	2.34	2.48	2.35	2.30	2.40	2.29	2.36	2.93	2.90	2.89	2.79	3.06	3.00	3.14	3.01			
160	2.25	2.36	2.65	2.38	2.55	2.41	2.34	2.40	2.98	3.02	2.90	2.84	3.11	3.06	3.19	3.06			
165	2.29	2.41	2.81	2.42	2.79	2.50	2.79	2.42	3.03	3.08	3.00	2.97	3.24	3.13	3.25	3.08			
170	3.39	3.42	3.34	3.50	3.38	3.54	3.41	3.50	3.58	3.52	3.59	3.47	3.68	3.55	3.76	3.63			
175	3.88	3.82	3.78	3.97	3.88	4.04	3.80	4.04	3.88	3.89	3.89	3.89	4.01	3.94	4.04	3.99			
180	3.96	3.83	3.83	3.90	3.98	3.95	4.03	4.06	3.94	3.86	3.83	3.93	3.93	3.91	4.04	4.01			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Teddy
 Test Date:2012-02-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: