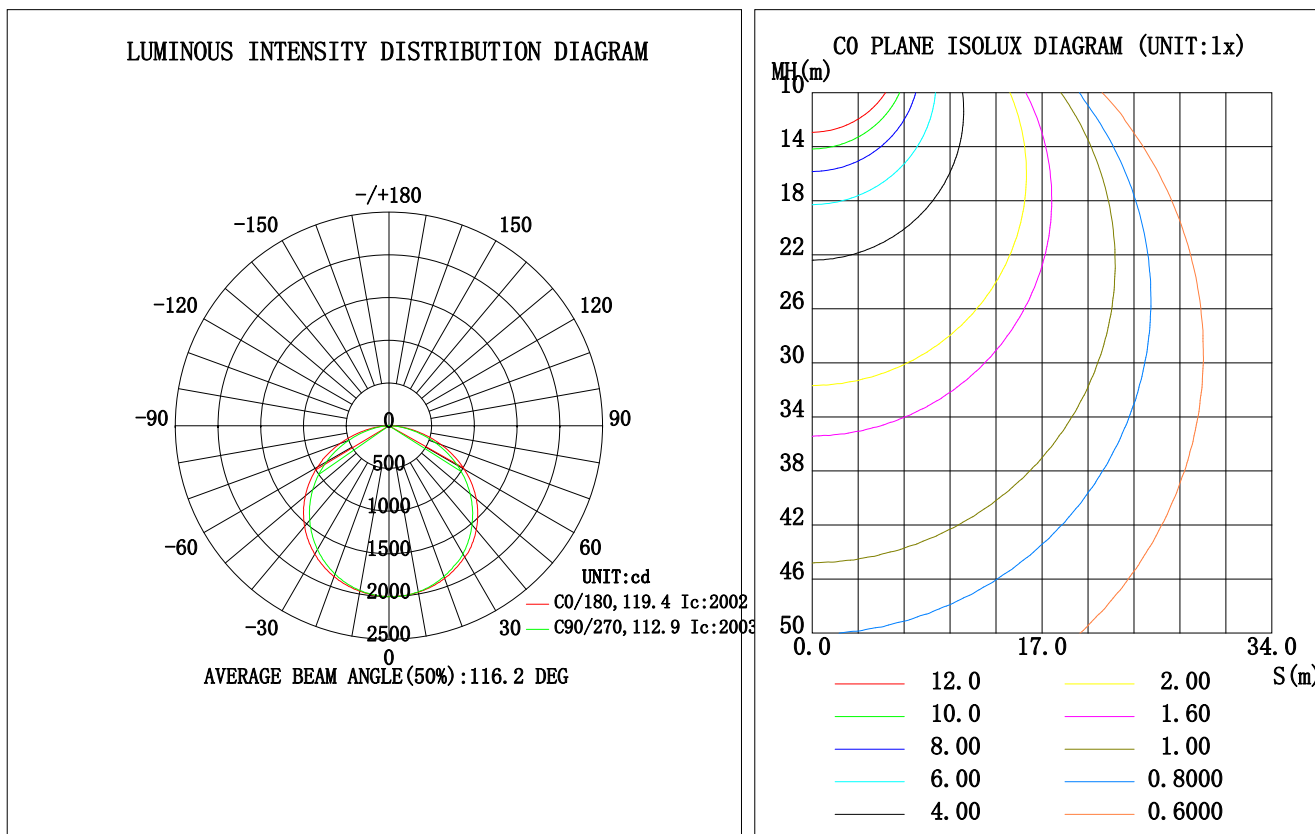


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 131.69 lm/W
MODEL	ULPL60120-48W	I _{max} (cd)	2005	S/MH(C0/180)	1.32	
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.28	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	5949.6	η UP, DN(C0-180)	0.0, 48.9	
NOMINAL FLUX(lm)	5949.61	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.0	
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	240	η down (%)	99.9	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	1989	1986	1987	1993	1995	1997	1995	1995	0- 5	47.75	47.75	0.80, 0.80
10	1968	1960	1958	1969	1981	1981	1975	1972	5- 10	141.8	189.5	3.19, 3.19
15	1929	1915	1910	1931	1947	1944	1934	1936	10- 15	231.5	421.0	7.08, 7.08
20	1881	1859	1847	1875	1905	1898	1880	1883	15- 20	314.0	735.0	12.4, 12.4
25	1815	1783	1767	1807	1843	1831	1807	1816	20- 25	386.8	1122	18.9, 18.9
30	1738	1698	1673	1721	1775	1765	1734	1747	25- 30	448.3	1570	26.4, 26.4
35	1643	1594	1565	1623	1693	1668	1629	1648	30- 35	495.7	2066	34.7, 34.7
40	1538	1480	1443	1508	1591	1559	1514	1538	35- 40	526.4	2592	43.6, 43.6
45	1415	1349	1309	1381	1469	1433	1382	1412	40- 45	539.9	3132	52.6, 52.6
50	1280	1209	1164	1239	1335	1294	1241	1273	45- 50	535.3	3667	61.6, 61.6
55	1128	1053	1011	1086	1182	1141	1086	1120	50- 55	512.3	4180	70.2, 70.2
60	965.8	889.7	846.4	919.6	1018	976.6	923.5	957.1	55- 60	471.2	4651	78.2, 78.2
65	792.7	717.4	675.2	748.8	838.3	800.7	750.6	783.0	60- 65	413.6	5064	85.1, 85.1
70	610.7	540.5	501.2	567.4	651.9	618.9	575.1	604.7	65- 70	341.1	5405	90.9, 90.9
75	425.4	365.3	332.7	388.7	461.2	436.4	400.2	425.9	70- 75	257.9	5663	95.2, 95.2
80	251.0	205.8	181.9	222.9	277.8	263.4	237.6	257.8	75- 80	170.8	5834	98.1, 98.1
85	98.61	70.55	60.53	82.52	115.8	110.6	98.33	109.4	80- 85	88.35	5923	99.5, 99.5
90	4.340	0.2920	0.3079	2.884	2.852	2.084	2.639	6.671	85- 90	21.83	5944	99.9, 99.9
95	0.2711	0.2931	0.3320	0.2914	0.2059	0.1990	0.1992	0.2067	90- 95	0.2997	5945	99.9, 99.9
100	0.3233	0.3324	0.3776	0.3368	0.2347	0.2221	0.2224	0.2287	95-100	0.1446	5945	99.9, 99.9
105	0.3784	0.3726	0.4177	0.3807	0.2685	0.2531	0.2535	0.2604	100-105	0.1618	5945	99.9, 99.9
110	0.4474	0.4130	0.4407	0.4198	0.3273	0.2985	0.2996	0.3123	105-110	0.1796	5945	99.9, 99.9
115	0.5499	0.4792	0.4679	0.4787	0.4239	0.3895	0.3835	0.4047	110-115	0.2050	5945	99.9, 99.9
120	0.6633	0.5679	0.5159	0.5544	0.5370	0.5101	0.5100	0.5340	115-120	0.2415	5946	99.9, 99.9
125	0.7856	0.6693	0.6033	0.6617	0.6484	0.6275	0.6586	0.6510	120-125	0.2814	5946	99.9, 99.9
130	0.9050	0.7931	0.7194	0.7700	0.7468	0.7661	0.8237	0.7894	125-130	0.3174	5946	99.9, 99.9
135	1.086	1.016	0.9094	0.9327	0.9036	0.9324	1.029	0.9974	130-135	0.3547	5947	99.9, 99.9
140	1.244	1.260	1.161	1.113	1.111	1.215	1.366	1.338	135-140	0.4091	5947	100, 100
145	1.392	1.481	1.373	1.237	1.299	1.580	1.880	1.740	140-145	0.4535	5947	100, 100
150	1.525	1.670	1.505	1.303	1.535	1.910	2.338	2.081	145-150	0.4763	5948	100, 100
155	1.691	1.849	1.594	1.436	1.850	2.215	2.695	2.335	150-155	0.4649	5948	100, 100
160	1.927	2.042	1.642	1.617	2.139	2.496	2.797	2.569	155-160	0.4307	5949	100, 100
165	2.069	2.067	1.587	1.629	2.309	2.665	2.854	2.707	160-165	0.3603	5949	100, 100
170	2.223	2.142	1.611	1.766	2.447	2.615	2.687	2.597	165-170	0.2650	5949	100, 100
175	2.297	2.214	1.743	1.902	2.452	2.415	2.363	2.408	170-175	0.1576	5950	100, 100
180	2.378	2.248	1.923	2.084	2.384	2.249	1.926	2.085	175-180	0.0518	5950	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3132 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(120deg): 4650.7 lm

%lum = 78.2%

%lamp = 78.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

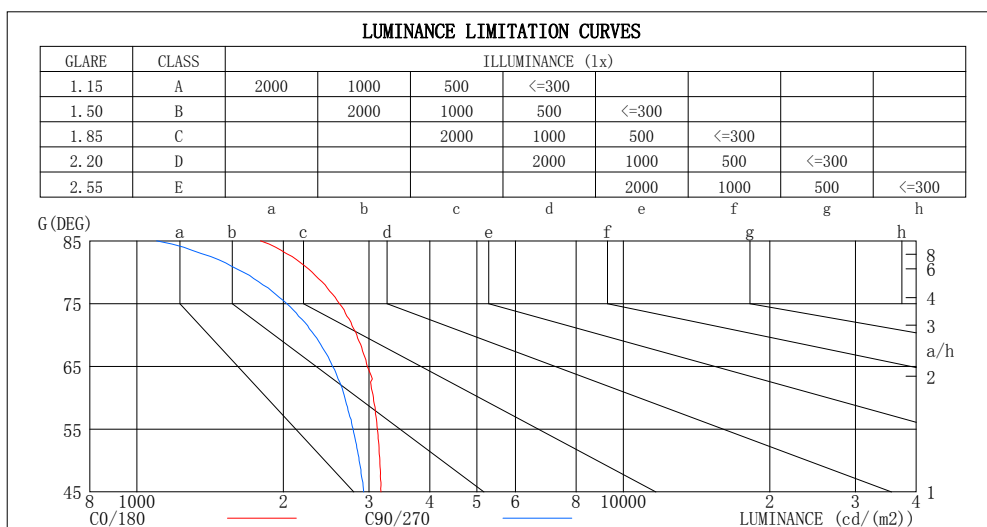
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1795	1098
80	2293	1656
75	2608	2032
70	2833	2316
65	2976	2525
60	3064	2675
55	3120	2784
50	3159	2863
45	3175	2926

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

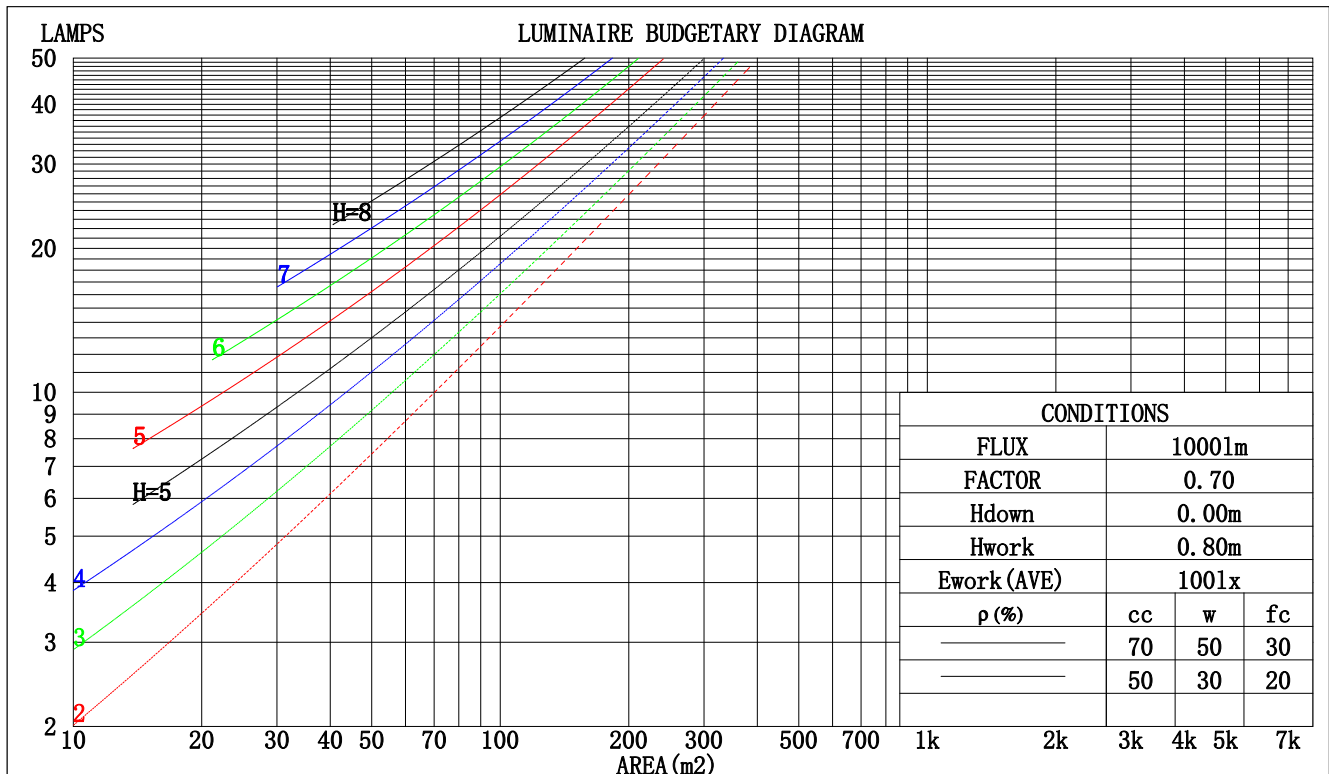
Checker: Harry Huang

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	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	1.19	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

WEC AND CCEC

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm								
NAME: 1			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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.312	.178	.056	.305	.174	.055	.292	.167	.053	.280	.161	.052	.268	.156	.050		
2.0	.294	.161	.049	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.221	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021		

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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.098	.148	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.075	.142	.099	.065	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.048	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.034	.085	.050	.024	.049	.030	.015	.016	.010	.005	
7.0	.137	.076	.034	.118	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.078	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.022	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

UGR(Unified Glare Rating) Table

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm											
NAME: 1					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		10.7	12.2	10.9	12.4	12.6	10.1	11.6	10.4	11.8	12.0
	3H	12.2	13.7	12.5	13.9	14.1	11.5	12.9	11.8	13.1	13.4
	4H	12.9	14.2	13.2	14.5	14.7	12.0	13.3	12.3	13.6	13.8
	6H	13.3	14.6	13.6	14.8	15.1	12.3	13.5	12.6	13.8	14.1
	8H	13.4	14.6	13.8	14.9	15.2	12.3	13.6	12.7	13.9	14.2
	12H	13.5	14.7	13.8	15.0	15.3	12.4	13.5	12.7	13.8	14.1
4H	2H	11.2	12.5	11.5	12.8	13.0	10.7	12.1	11.1	12.3	12.6
	3H	12.9	14.1	13.3	14.4	14.7	12.3	13.5	12.6	13.8	14.1
	4H	13.7	14.8	14.1	15.1	15.4	12.9	14.0	13.3	14.3	14.6
	6H	14.2	15.2	14.6	15.6	15.9	13.3	14.3	13.7	14.6	15.0
	8H	14.4	15.3	14.8	15.7	16.1	13.4	14.3	13.8	14.7	15.1
	12H	14.5	15.3	15.0	15.7	16.1	13.5	14.3	13.9	14.7	15.1
8H	4H	13.9	14.8	14.3	15.1	15.5	13.2	14.1	13.6	14.4	14.8
	6H	14.6	15.3	15.0	15.7	16.1	13.7	14.4	14.1	14.9	15.3
	8H	14.8	15.5	15.3	15.9	16.4	13.9	14.5	14.3	15.0	15.4
	12H	15.0	15.6	15.5	16.0	16.5	14.0	14.5	14.4	15.0	15.5
12H	4H	13.9	14.7	14.3	15.1	15.5	13.2	14.0	13.6	14.4	14.8
	6H	14.6	15.2	15.1	15.7	16.1	13.8	14.4	14.2	14.8	15.3
	8H	14.9	15.4	15.4	15.9	16.4	14.0	14.5	14.4	15.0	15.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 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, 5950 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.2$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR _{NOM} = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017-05-06

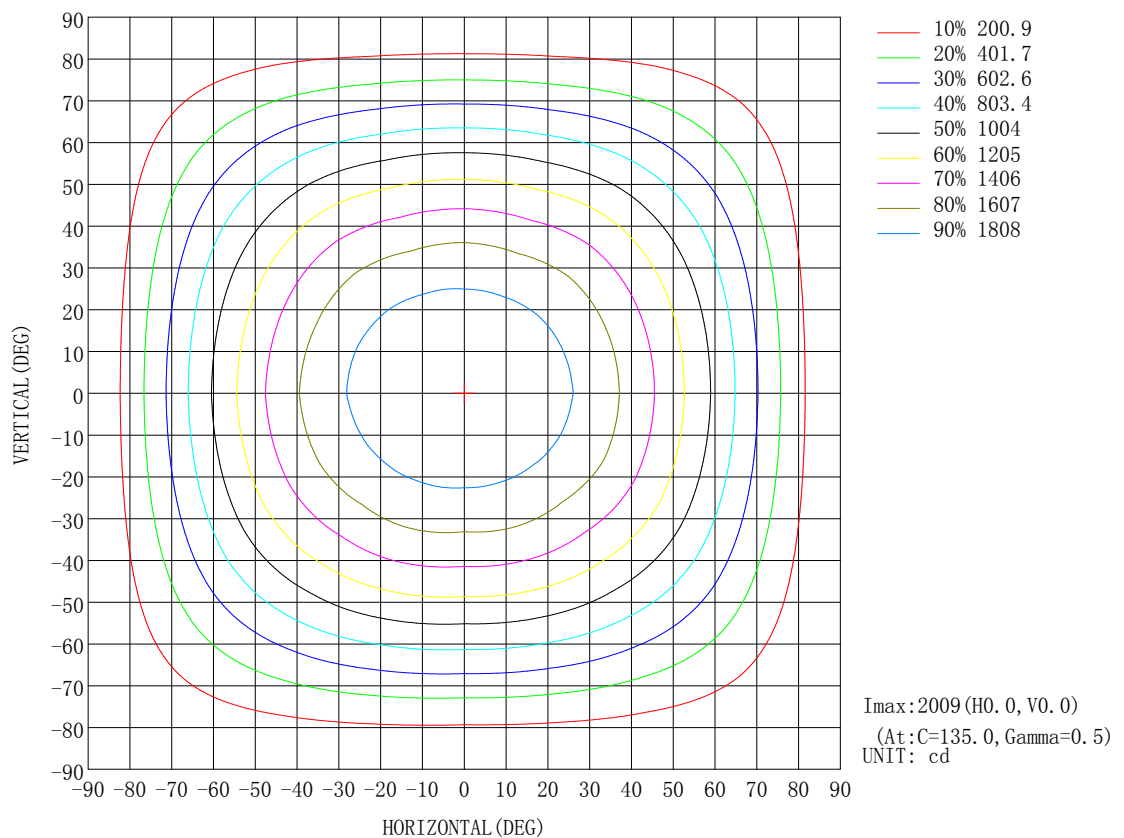
Checker: Harry Huang

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017-05-06

Checker: Harry Huang

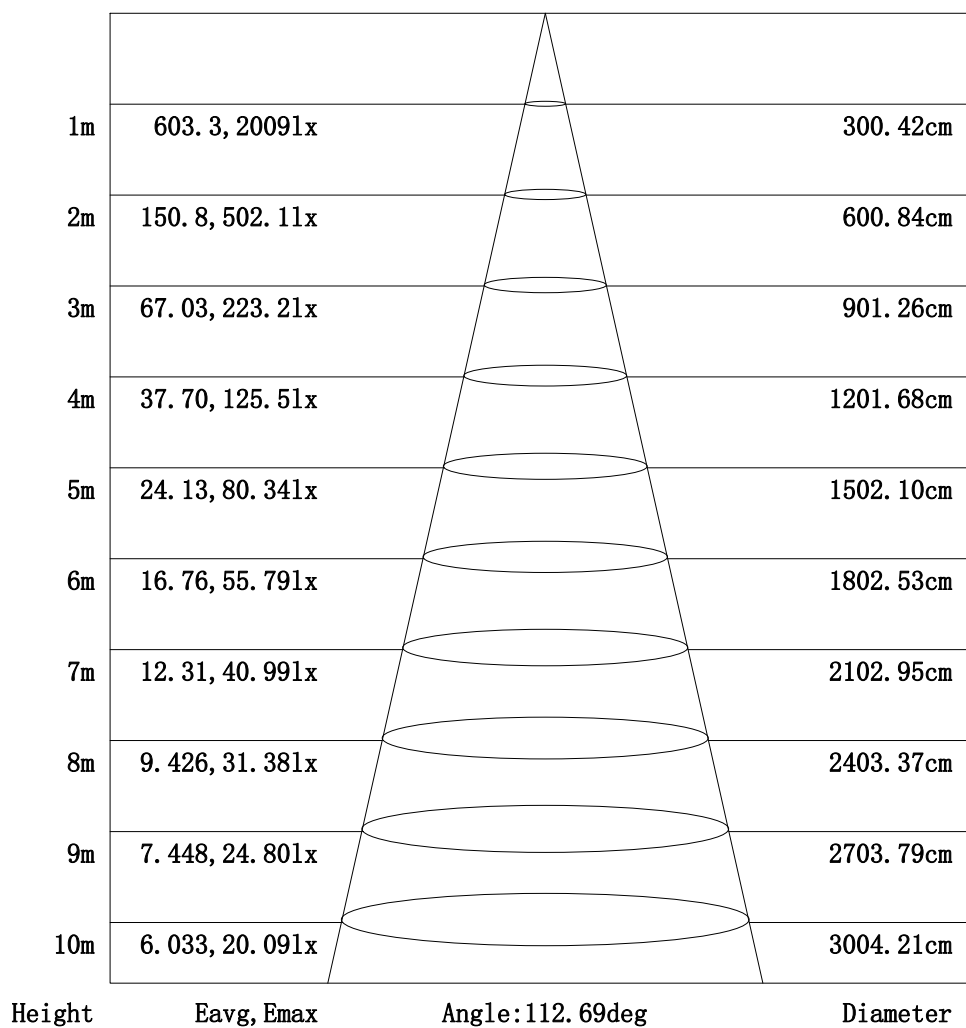
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

AAI Figure

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Flux out:4326 lm



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:2017-05-06

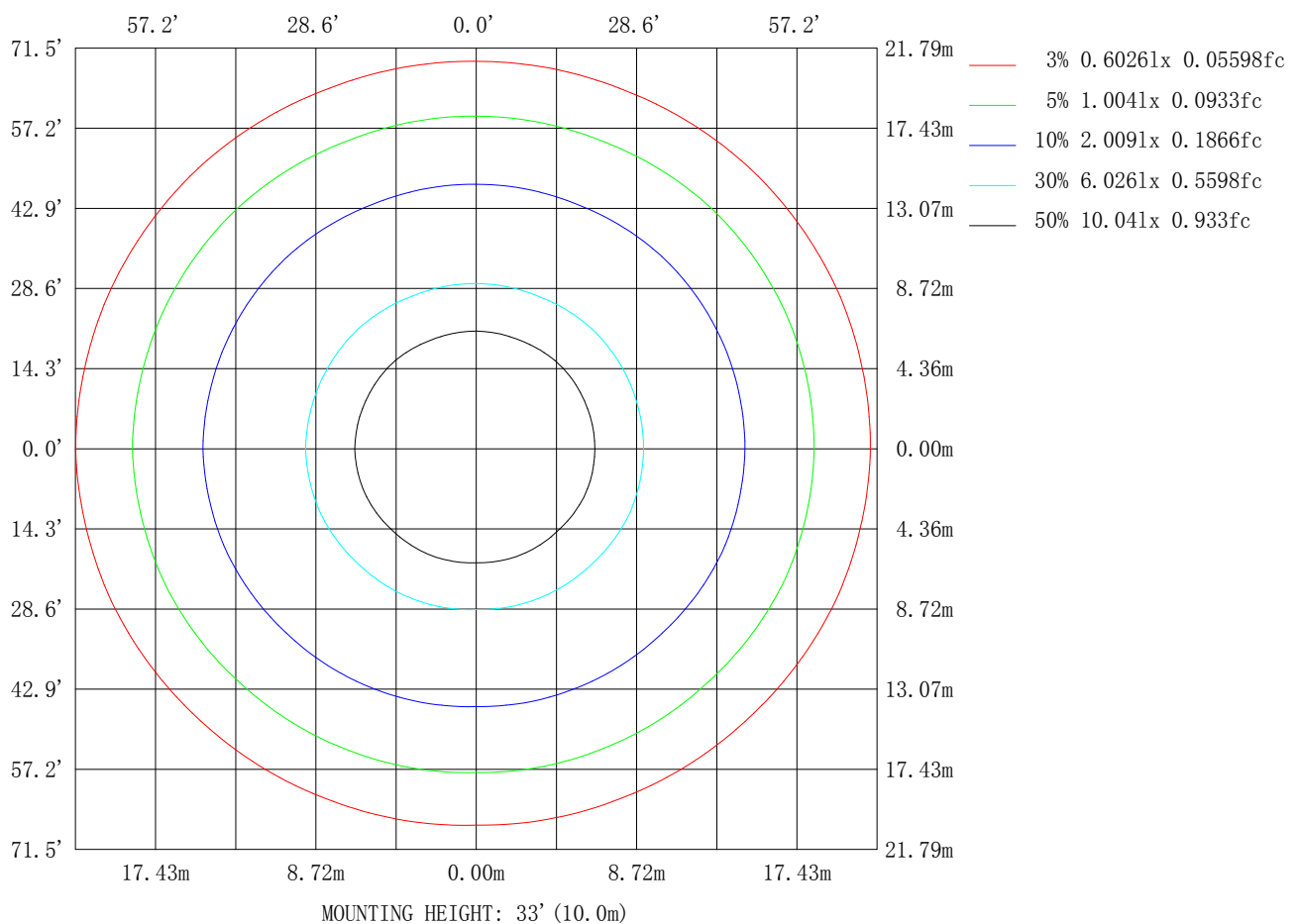
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LED Avg.L Report

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	3051
L_0~180(75)av	2708
L_0~180(85)av	1944
L_90~270(65)av	2667
L_90~270(75)av	2239
L_90~270(85)av	1441
L_45(65)av	2852
L_45(75)av	2468
L_45(85)av	1692

Standard: GB/T 29293-2012

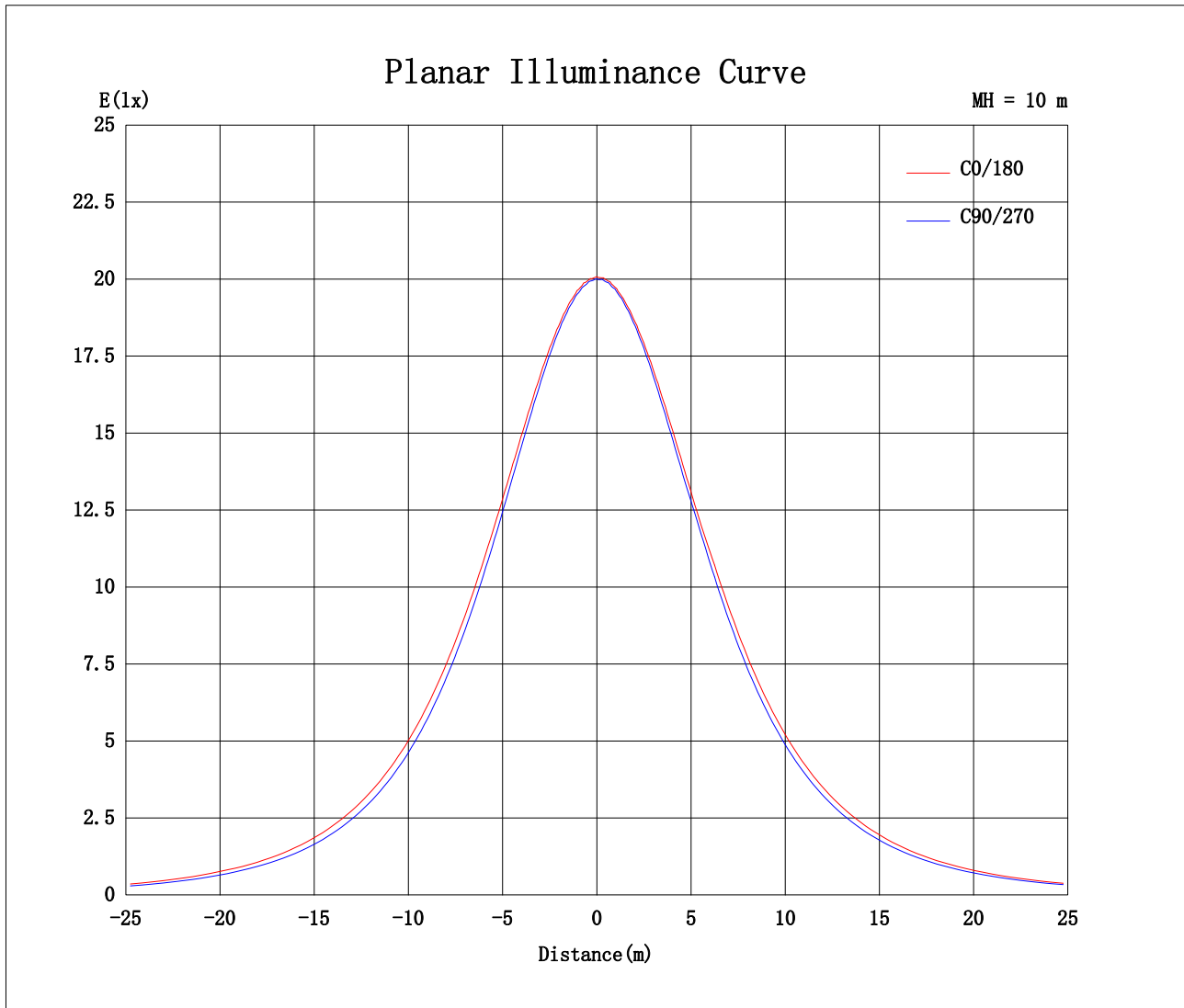
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-06

Checker: Harry Huang

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017-05-06

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

Assessor: Akin Xu

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.4V I:0.1925A P:45.18W PF:0.9760 Freq:50.00Hz Lamp Flux:5949.61x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
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	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002			
5	1989	1988	1986	1991	1987	1993	1993	1995	1995	1996	1997	2000	1995	1998	1995	1993			
10	1968	1965	1960	1958	1958	1963	1969	1976	1981	1982	1981	1978	1975	1973	1972	1971			
15	1929	1923	1915	1915	1910	1922	1931	1941	1947	1948	1944	1942	1934	1936	1936	1934			
20	1881	1872	1859	1850	1847	1859	1875	1893	1905	1905	1898	1887	1880	1878	1883	1884			
25	1815	1803	1783	1777	1767	1789	1807	1830	1843	1842	1831	1819	1807	1809	1816	1819			
30	1738	1735	1698	1692	1673	1705	1721	1767	1775	1769	1765	1731	1734	1720	1747	1741			
35	1643	1636	1594	1585	1565	1601	1623	1672	1693	1676	1668	1634	1629	1622	1648	1647			
40	1538	1527	1480	1464	1443	1478	1508	1565	1591	1574	1559	1517	1514	1505	1538	1540			
45	1415	1400	1349	1330	1309	1347	1381	1441	1469	1451	1433	1391	1382	1378	1412	1418			
50	1280	1263	1209	1184	1164	1201	1239	1304	1335	1317	1294	1249	1241	1237	1273	1282			
55	1128	1107	1053	1028	1011	1045	1086	1151	1182	1165	1141	1097	1086	1086	1120	1132			
60	966	943	890	862	846	878	920	984	1018	1002	977	933	924	922	957	970			
65	793	767	717	688	675	705	749	806	838	827	801	764	751	756	783	799			
70	611	585	541	513	501	528	567	621	652	643	619	584	575	578	605	618			
75	425	405	365	343	333	356	389	434	461	455	436	408	400	404	426	436			
80	251	235	206	190	182	199	223	256	278	274	263	241	238	239	258	261			
85	98.6	87.6	70.5	63.8	60.5	69.7	82.5	102	116	115	111	99.9	98.3	100	109	109			
90	4.34	0.22	0.29	0.26	0.31	0.25	2.88	0.86	2.85	5.07	2.08	3.20	2.64	7.13	6.67	6.89			
95	0.27	0.26	0.29	0.31	0.33	0.31	0.29	0.26	0.21	0.21	0.20	0.21	0.20	0.22	0.21	0.22			
100	0.32	0.31	0.33	0.37	0.38	0.36	0.34	0.31	0.23	0.23	0.22	0.23	0.22	0.23	0.23	0.23			
105	0.38	0.35	0.37	0.42	0.42	0.40	0.38	0.36	0.27	0.26	0.25	0.26	0.25	0.26	0.26	0.27			
110	0.45	0.41	0.41	0.46	0.44	0.43	0.42	0.41	0.33	0.31	0.30	0.30	0.30	0.31	0.31	0.31			
115	0.55	0.48	0.48	0.51	0.47	0.47	0.48	0.51	0.42	0.41	0.39	0.39	0.39	0.38	0.40	0.40			
120	0.66	0.58	0.57	0.60	0.52	0.53	0.55	0.63	0.54	0.53	0.51	0.52	0.51	0.53	0.53	0.52			
125	0.79	0.67	0.67	0.70	0.60	0.62	0.66	0.75	0.65	0.64	0.63	0.68	0.66	0.68	0.65	0.64			
130	0.90	0.82	0.79	0.82	0.72	0.72	0.77	0.86	0.75	0.76	0.77	0.83	0.82	0.84	0.79	0.77			
135	1.09	1.03	1.02	1.01	0.91	0.89	0.93	1.03	0.90	0.92	0.93	1.00	1.03	1.04	1.00	0.96			
140	1.24	1.27	1.26	1.25	1.16	1.10	1.11	1.15	1.11	1.15	1.21	1.32	1.37	1.40	1.34	1.25			
145	1.39	1.48	1.48	1.47	1.37	1.26	1.24	1.24	1.30	1.40	1.58	1.75	1.88	1.89	1.74	1.53			
150	1.53	1.65	1.67	1.60	1.50	1.29	1.30	1.32	1.54	1.67	1.91	2.15	2.34	2.34	2.08	1.80			
155	1.69	1.83	1.85	1.76	1.59	1.38	1.44	1.39	1.85	1.93	2.22	2.49	2.69	2.65	2.33	2.06			
160	1.93	2.04	2.04	1.87	1.64	1.48	1.62	1.62	2.14	2.27	2.50	2.69	2.80	2.85	2.57	2.31			
165	2.07	2.19	2.07	1.74	1.59	1.47	1.63	1.82	2.31	2.45	2.66	2.79	2.85	2.84	2.71	2.47			
170	2.22	2.28	2.14	1.66	1.61	1.41	1.77	1.98	2.45	2.49	2.61	2.55	2.69	2.53	2.60	2.50			
175	2.30	2.33	2.21	1.84	1.74	1.62	1.90	2.11	2.45	2.45	2.41	2.27	2.36	2.24	2.41	2.42			
180	2.38	2.37	2.25	1.97	1.92	1.91	2.08	2.24	2.38	2.36	2.25	1.97	1.93	1.91	2.09	2.24			

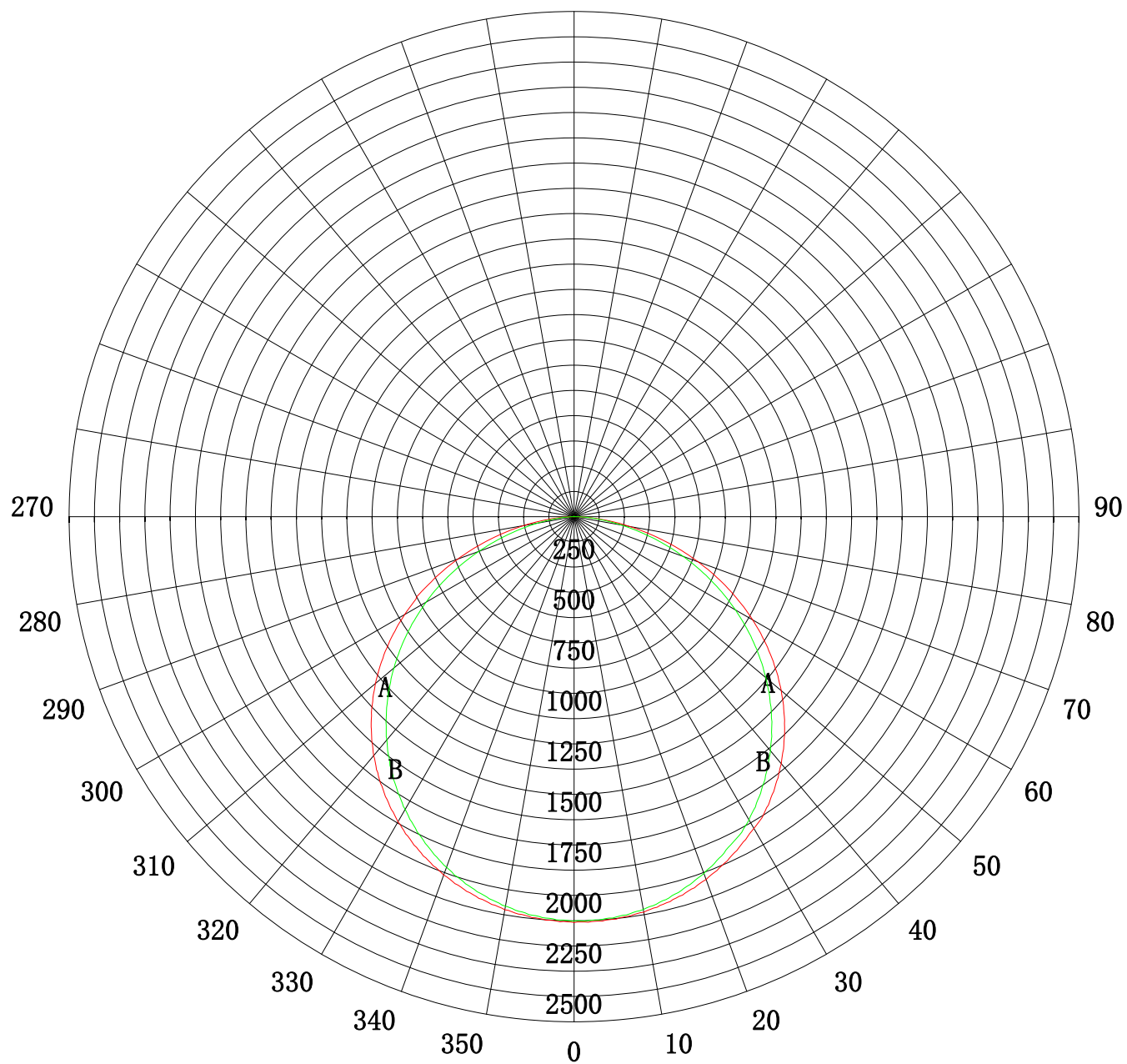
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2017-05-06

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.675m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Harry Huang

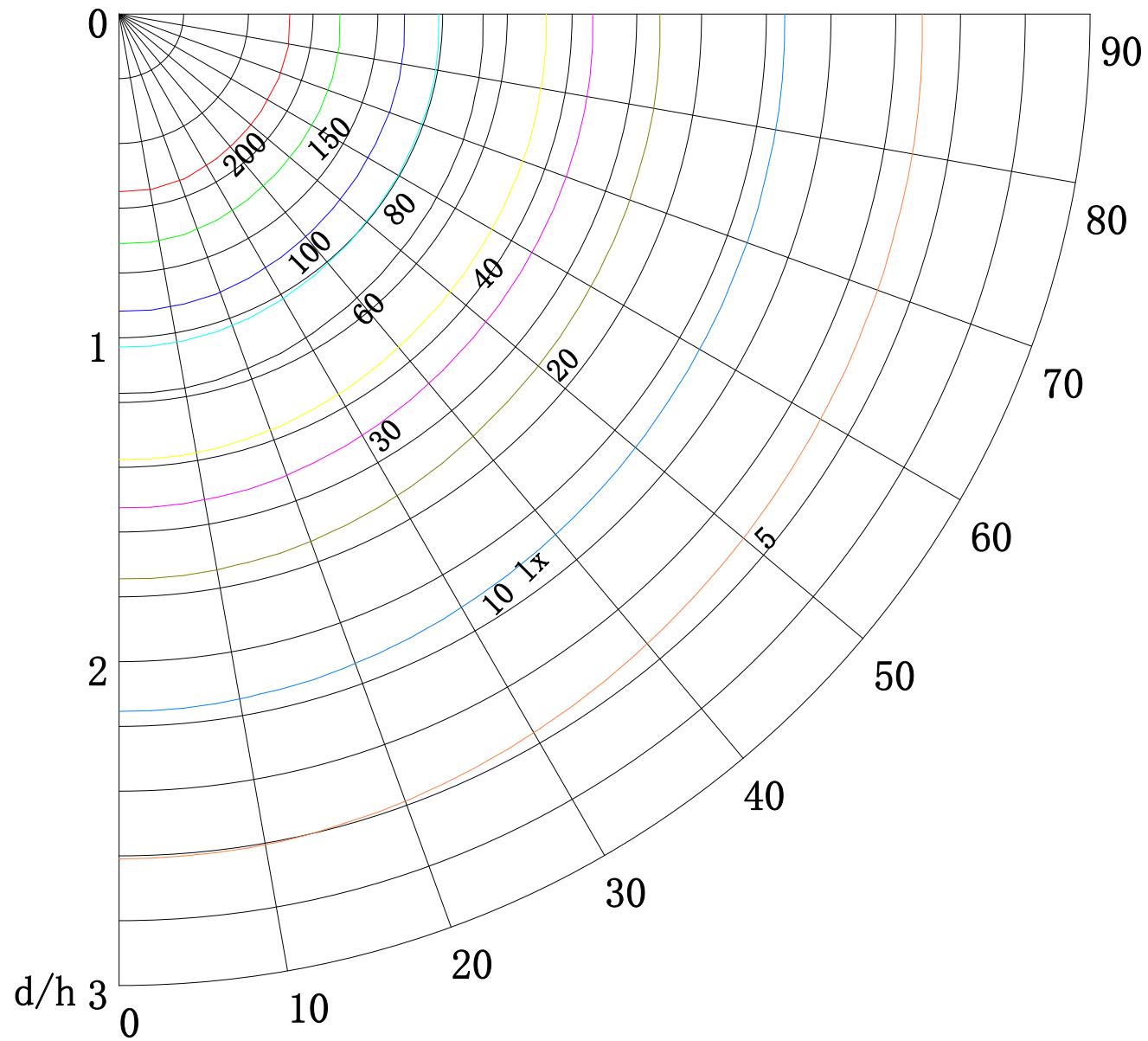
Assessor: Akin Xu

I (cd)



1000 l_m

$K = 1$



F = 1000 lm
 K = 0.7
 H_{cc} = 0.8 m
 H_{fc} = 0.0 m
 E_{ave} = 100 lx

	P _{cc}	P _w	P _{fc}
—————	70	50	30
—————	50	30	20

