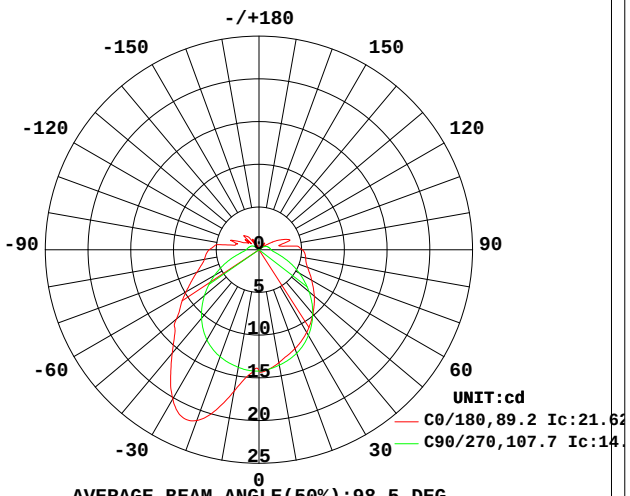
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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

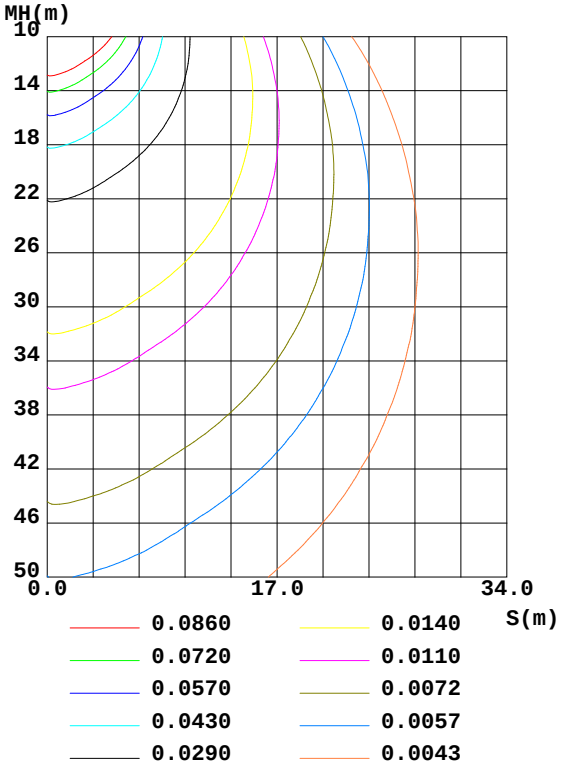
DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.10 lm/W			
MODEL	HCP-91305	Imax(cd)	21.62	S/MH(C0/180)	1.66
NOMINAL POWER(W)	1.7	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	3.55	TOTAL FLUX(lm)	66.574	η UP,DN(C0-180)	7.9,40.5
NOMINAL FLUX(lm)	66.5743	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	8.2,43.4
LAMPS INSIDE	1	η up(%)	16.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	3.55	η down(%)	83.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):98.5 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	14.02	14.10	14.02	14.53	14.78	14.43	14.17	14.25	0- 5	0.3403	0.3403	0.51,0.51
10	13.43	13.59	13.72	15.46	16.82	15.31	13.97	13.78	5- 10	1.031	1.371	2.06,2.06
15	12.83	12.96	13.35	16.90	19.42	16.67	13.69	13.16	10- 15	1.747	3.118	4.68,4.68
20	12.32	12.35	12.90	18.30	21.27	18.03	13.32	12.56	15- 20	2.480	5.598	8.41,8.41
25	11.78	11.78	12.30	19.28	21.50	18.98	12.84	11.99	20- 25	3.174	8.772	13.2,13.2
30	11.17	11.17	11.58	19.40	20.18	19.23	12.19	11.38	25- 30	3.746	12.52	18.8,18.8
35	10.52	10.50	10.73	18.74	18.03	18.73	11.39	10.74	30- 35	4.148	16.67	25,25
40	9.840	9.764	9.782	17.45	15.80	17.53	10.47	10.04	35- 40	4.369	21.04	31.6,31.6
45	9.138	8.969	8.751	15.73	13.95	15.95	9.451	9.286	40- 45	4.436	25.47	38.3,38.3
50	8.467	8.186	7.663	13.90	12.63	14.16	8.340	8.508	45- 50	4.387	29.86	44.8,44.8
55	7.767	7.400	6.533	12.24	11.15	12.57	7.184	7.722	50- 55	4.230	34.09	51.2,51.2
60	7.135	6.636	5.429	10.63	9.866	10.98	6.022	6.940	55- 60	3.988	38.08	57.2,57.2
65	6.561	5.916	4.378	9.147	8.716	9.484	4.890	6.204	60- 65	3.684	41.76	62.7,62.7
70	6.053	5.264	3.408	7.927	7.748	8.200	3.832	5.530	65- 70	3.346	45.11	67.8,67.8
75	5.712	4.776	2.563	6.932	6.991	7.158	2.903	5.016	70- 75	3.018	48.12	72.3,72.3
80	5.557	4.513	1.952	6.204	6.490	6.361	2.185	4.723	75- 80	2.751	50.87	76.4,76.4
85	5.402	4.329	1.591	5.756	6.223	5.871	1.736	4.551	80- 85	2.579	53.45	80.3,80.3
90	5.083	4.007	1.432	5.300	5.835	5.446	1.527	4.286	85- 90	2.434	55.89	83.9,83.9
95	4.616	3.613	1.342	4.795	5.244	4.888	1.402	3.823	90- 95	2.213	58.10	87.3,87.3
100	2.533	2.877	1.256	4.049	3.134	4.310	1.308	3.263	95-100	1.821	59.92	90,90
105	3.096	2.055	1.164	2.599	2.673	3.163	1.215	2.542	100-105	1.365	61.29	92.1,92.1
110	3.554	1.434	1.069	1.823	3.208	1.858	1.118	1.785	105-110	1.232	62.52	93.9,93.9
115	2.745	0.8172	0.9675	1.882	1.990	1.491	1.021	1.255	110-115	0.9556	63.47	95.3,95.3
120	1.816	0.8279	0.7782	2.442	1.646	1.730	0.9128	0.6906	115-120	0.7239	64.20	96.4,96.4
125	0.8760	1.182	0.5750	2.532	1.795	1.859	0.7228	0.5742	120-125	0.5706	64.77	97.3,97.3
130	0.3833	1.404	0.3318	2.480	1.323	1.759	0.5077	0.9738	125-130	0.4952	65.26	98,98
135	0.7963	1.206	0.0634	2.285	2.306	1.631	0.2439	1.146	130-135	0.4263	65.69	98.7,98.7
140	1.047	0.8750	0.0690	1.822	1.992	1.346	0.0815	0.8218	135-140	0.3508	66.04	99.2,99.2
145	0.7494	0.5479	0.0423	1.222	0.2227	0.8911	0.1285	0.4673	140-145	0.2180	66.26	99.5,99.5
150	0.5445	0.3015	0.0723	0.6592	1.350	0.5260	0.1253	0.2891	145-150	0.1624	66.42	99.8,99.8
155	0.3186	0.0843	0.0772	0.1888	0.8987	0.2048	0.0952	0.1644	150-155	0.0853	66.51	99.9,99.9
160	0.1440	0.0528	0.0508	0.0753	0.3541	0.0888	0.0928	0.1224	155-160	0.0391	66.55	100,100
165	0.0431	0.0462	0.0470	0.0803	0.0700	0.0836	0.0848	0.1069	160-165	0.0148	66.56	100,100
170	0.0330	0.0392	0.0494	0.0784	0.0647	0.0745	0.0747	0.0846	165-170	0.0081	66.57	100,100
175	0.0342	0.0277	0.0299	0.0365	0.0638	0.0529	0.0534	0.0417	170-175	0.0039	66.57	100,100
180	0.0370	0.0487	0.0537	0.0417	0.0373	0.0474	0.0540	0.0417	175-180	0.0010	66.57	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 25.471 lm

%lum = 38.3%
%lamp = 38.3%

Conical surface Flux(120deg): 38.075 lm

%lum = 57.2%
%lamp = 57.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

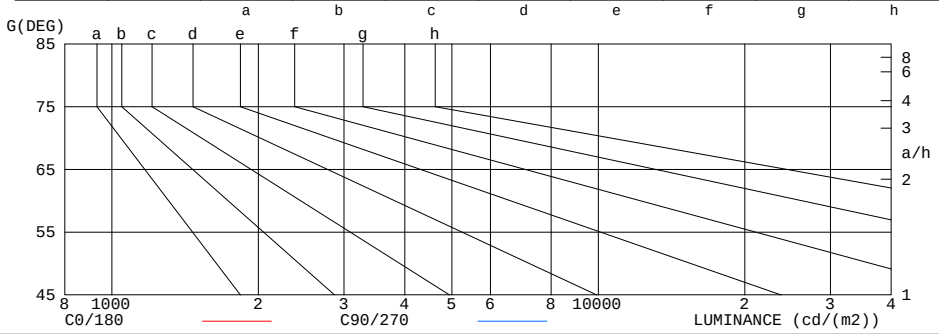
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LUMINANCE LIMITATION CURVES

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 lm		
NAME: 1	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	574	169
80	296	104
75	204	92
70	164	92
65	144	96
60	132	101
55	125	106
50	122	110
45	120	115

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

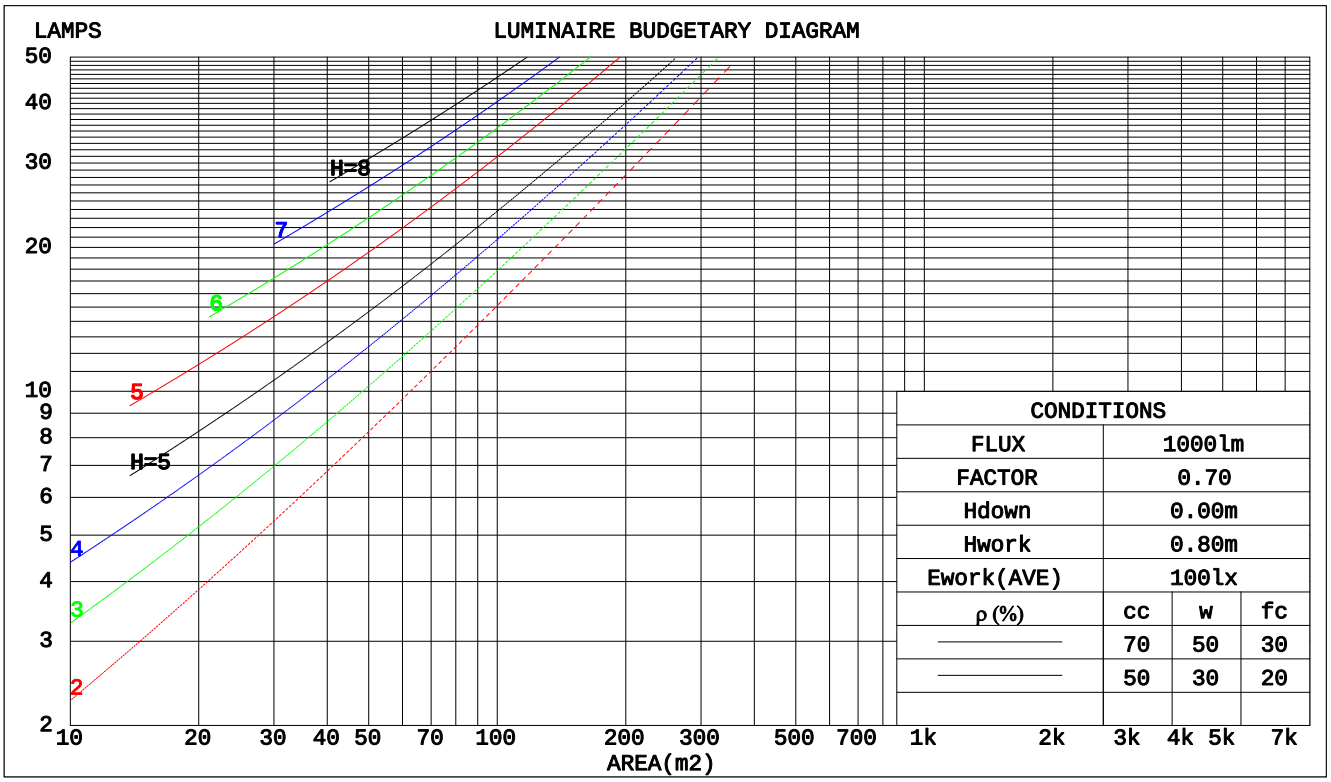
Assessor: Akin Xu

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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding 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	1.15	1.15	1.15	1.11	1.11	1.11	1.02	1.02	1.02	.94	.94	.94	.87	.87	.87	.84
1.0	.96	.91	.86	.93	.88	.83	.85	.81	.78	.79	.75	.73	.72	.70	.68	.64
2.0	.83	.75	.69	.80	.73	.67	.73	.68	.63	.68	.63	.59	.62	.58	.55	.52
3.0	.72	.63	.56	.69	.61	.55	.64	.57	.52	.59	.53	.49	.54	.50	.46	.43
4.0	.64	.54	.47	.61	.52	.46	.56	.49	.43	.52	.46	.41	.48	.43	.39	.36
5.0	.56	.47	.40	.54	.46	.39	.50	.43	.37	.47	.40	.35	.43	.38	.34	.31
6.0	.51	.41	.35	.49	.40	.34	.45	.38	.32	.42	.36	.31	.39	.34	.29	.27
7.0	.46	.37	.30	.44	.36	.30	.41	.34	.28	.38	.32	.27	.36	.30	.26	.24
8.0	.42	.33	.27	.40	.32	.26	.37	.30	.25	.35	.29	.24	.33	.27	.23	.21
9.0	.38	.30	.24	.37	.29	.24	.34	.27	.23	.32	.26	.22	.30	.25	.21	.19
10.0	.35	.27	.22	.34	.26	.21	.32	.25	.20	.30	.24	.20	.28	.23	.19	.17



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

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WEC AND CCEC

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding 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	.378	.215	.068	.366	.209	.066	.344	.197	.063	.323	.186	.060	.304	.176	.057	
2.0	.327	.179	.055	.317	.174	.054	.296	.165	.051	.277	.156	.049	.260	.147	.046	
3.0	.291	.155	.046	.282	.151	.045	.263	.143	.043	.246	.135	.041	.230	.127	.039	
4.0	.263	.137	.040	.254	.133	.039	.237	.126	.038	.222	.119	.036	.207	.113	.034	
5.0	.239	.122	.035	.231	.119	.035	.216	.113	.033	.202	.107	.032	.189	.101	.030	
6.0	.220	.110	.032	.213	.107	.031	.199	.102	.030	.186	.097	.028	.174	.091	.027	
7.0	.203	.100	.028	.196	.098	.028	.184	.093	.027	.172	.088	.026	.161	.084	.025	
8.0	.189	.092	.026	.182	.090	.025	.171	.085	.024	.160	.081	.023	.150	.077	.022	
9.0	.176	.085	.024	.170	.083	.023	.160	.079	.022	.150	.075	.021	.140	.071	.021	
10.0	.165	.079	.022	.160	.077	.022	.150	.073	.021	.141	.070	.020	.132	.066	.019	

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	.313	.313	.313	.267	.267	.267	.182	.182	.182	.105	.105	.105	.034	.034	.034	
1.0	.308	.279	.252	.264	.239	.217	.180	.165	.150	.104	.095	.087	.033	.031	.028	
2.0	.301	.256	.218	.258	.220	.188	.177	.152	.131	.102	.089	.077	.033	.029	.025	
3.0	.293	.239	.196	.252	.206	.170	.173	.143	.119	.100	.084	.070	.032	.027	.023	
4.0	.286	.227	.182	.245	.196	.158	.169	.136	.111	.097	.080	.066	.031	.026	.022	
5.0	.278	.217	.172	.239	.188	.149	.164	.131	.105	.095	.077	.063	.031	.025	.021	
6.0	.271	.209	.164	.233	.181	.143	.160	.127	.101	.093	.074	.060	.030	.024	.020	
7.0	.263	.202	.159	.227	.175	.139	.157	.123	.098	.091	.072	.058	.029	.024	.019	
8.0	.257	.197	.155	.221	.170	.135	.153	.120	.096	.089	.071	.057	.029	.023	.019	
9.0	.251	.192	.152	.216	.166	.133	.150	.117	.094	.087	.069	.056	.028	.023	.019	
10.0	.245	.188	.149	.211	.163	.130	.146	.115	.093	.085	.068	.055	.028	.022	.018	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

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UGR(Unified Glare Rating) Table

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 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	13.4	14.8	13.9	15.2	15.8	12.4	13.8	12.9	14.2	14.8
	3H	15.8	17.1	16.3	17.6	18.1	13.9	15.2	14.4	15.7	16.3
	4H	17.2	18.4	17.7	18.9	19.5	14.6	15.8	15.2	16.4	17.0
	6H	18.9	20.0	19.5	20.6	21.2	15.3	16.5	15.9	17.0	17.6
	8H	19.9	21.0	20.5	21.6	22.2	15.7	16.8	16.3	17.4	18.0
	12H	21.1	22.1	21.6	22.7	23.3	16.2	17.2	16.7	17.8	18.4
4H	2H	14.0	15.2	14.6	15.8	16.3	13.3	14.5	13.8	15.0	15.6
	3H	16.7	17.7	17.3	18.3	19.0	15.1	16.2	15.7	16.7	17.4
	4H	18.3	19.3	18.9	19.9	20.5	16.0	17.0	16.6	17.6	18.2
	6H	20.2	21.1	20.8	21.7	22.4	16.9	17.8	17.6	18.4	19.1
	8H	21.3	22.2	22.0	22.8	23.5	17.4	18.3	18.1	18.9	19.6
	12H	22.6	23.4	23.3	24.0	24.8	18.0	18.8	18.7	19.4	20.1
8H	4H	18.7	19.6	19.4	20.2	20.9	16.9	17.7	17.6	18.4	19.1
	6H	21.0	21.7	21.7	22.3	23.1	18.2	18.9	18.9	19.6	20.4
	8H	22.3	23.0	23.0	23.6	24.4	19.0	19.6	19.7	20.3	21.1
	12H	23.9	24.4	24.6	25.1	26.0	19.8	20.3	20.5	21.0	21.8
12H	4H	18.8	19.6	19.4	20.2	20.9	17.2	18.0	17.9	18.6	19.4
	6H	21.2	21.8	21.9	22.5	23.2	18.8	19.4	19.5	20.1	20.9
	8H	22.6	23.2	23.3	23.9	24.7	19.7	20.2	20.4	20.9	21.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 66.57 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -9.4)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

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UTILIZATION FACTORS TABLE

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 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) x RCR = 5									
k = 0.60	49	37	30	48	37	30	47	36	29	23
0.80	59	46	38	57	45	38	55	44	37	29
1.00	66	54	46	65	53	45	61	53	44	36
1.25	73	61	53	71	60	52	67	57	50	41
1.50	78	66	58	76	65	57	71	62	55	45
2.00	85	74	66	82	73	65	77	69	62	51
2.50	90	80	72	86	77	70	81	73	67	55
3.00	93	84	77	90	82	75	84	77	71	59
4.00	98	90	84	94	87	81	87	82	77	63
5.00	101	94	88	97	91	85	90	85	80	66
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:25.1DEG
Operators:Wilson
Test Date:2019-04-09

Checker: Near Gao

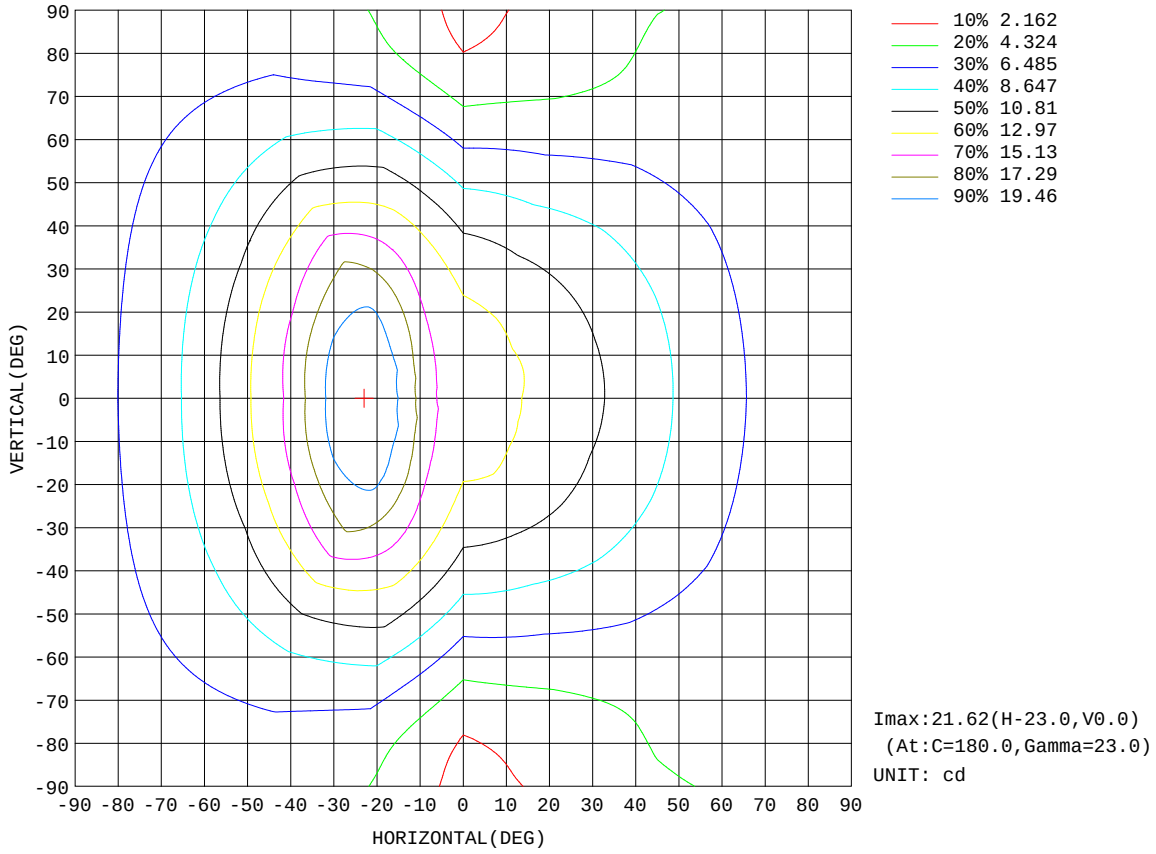
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

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ISOCANDELA DIAGRAM

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 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:25.1DEG
Operators:Wilson
Test Date:2019-04-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

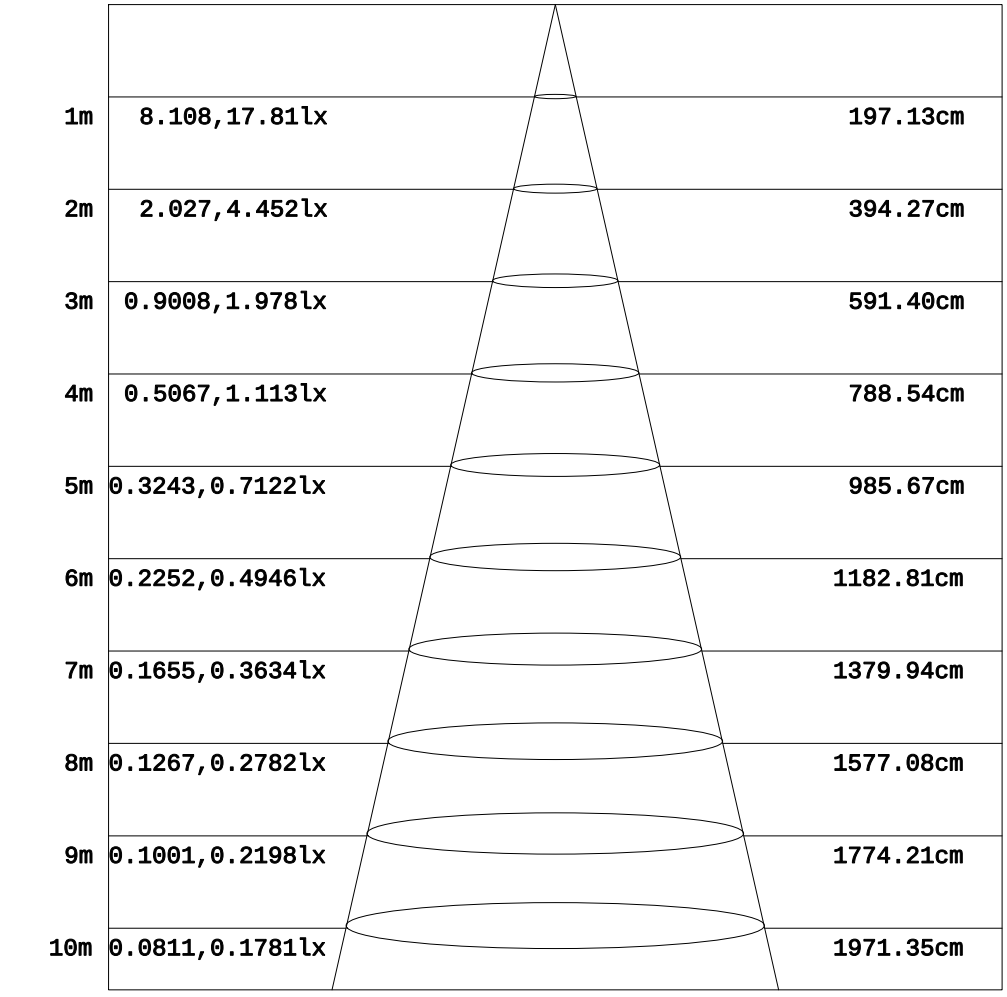
Assessor: Akin Xu

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AAI Figure

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:25.47 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:25.1DEG
Operators:Wilson
Test Date:2019-04-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

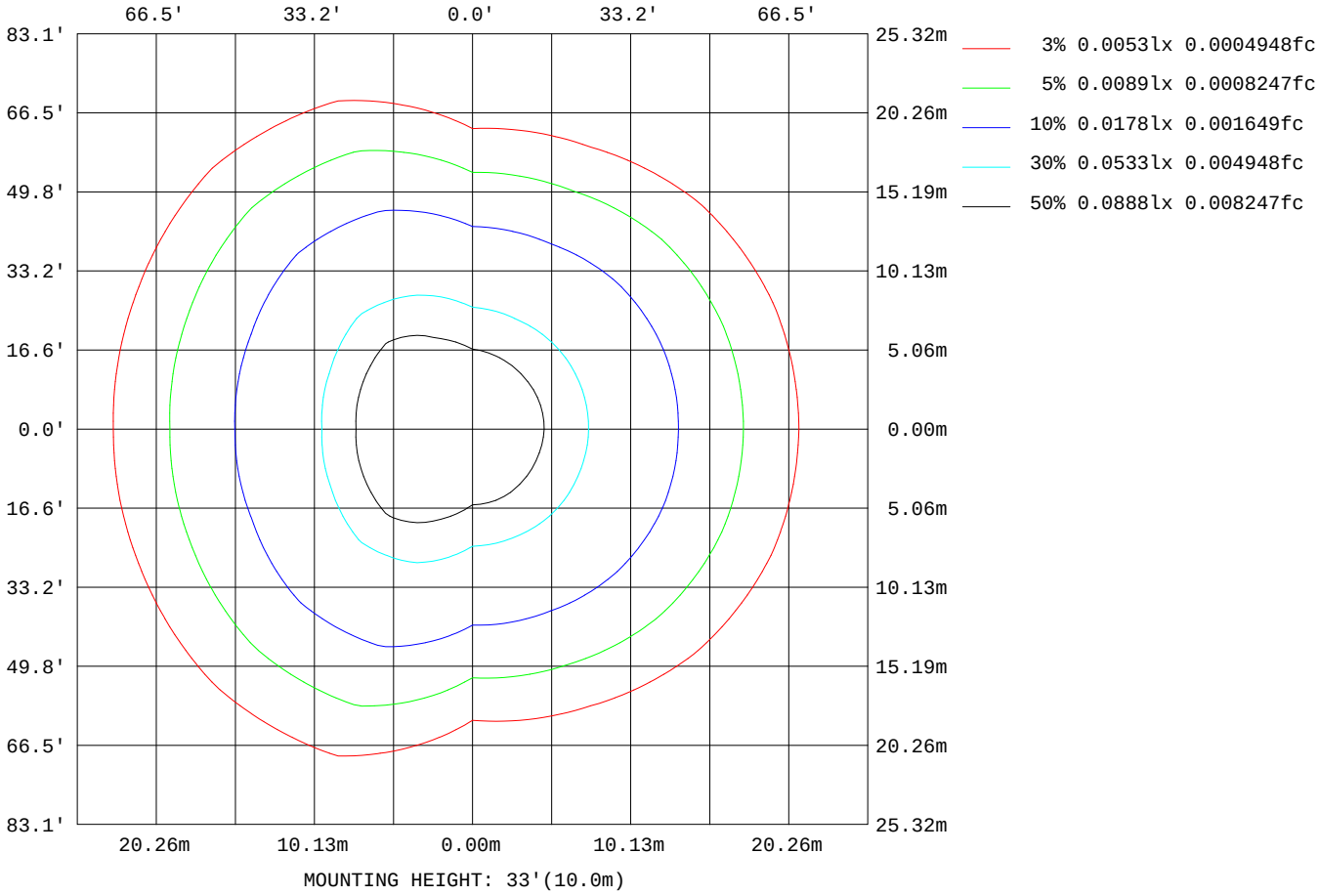
Checker: Near Gao

Assessor: Akin Xu

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ISOLUX DIAGRAM

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 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:25.1DEG
Operators:Wilson
Test Date:2019-04-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LED Avg.L Report

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	167
L_0~180(75)av	227
L_0~180(85)av	617
L_90~270(65)av	102
L_90~270(75)av	98
L_90~270(85)av	177
L_45(65)av	168
L_45(75)av	214
L_45(85)av	545

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

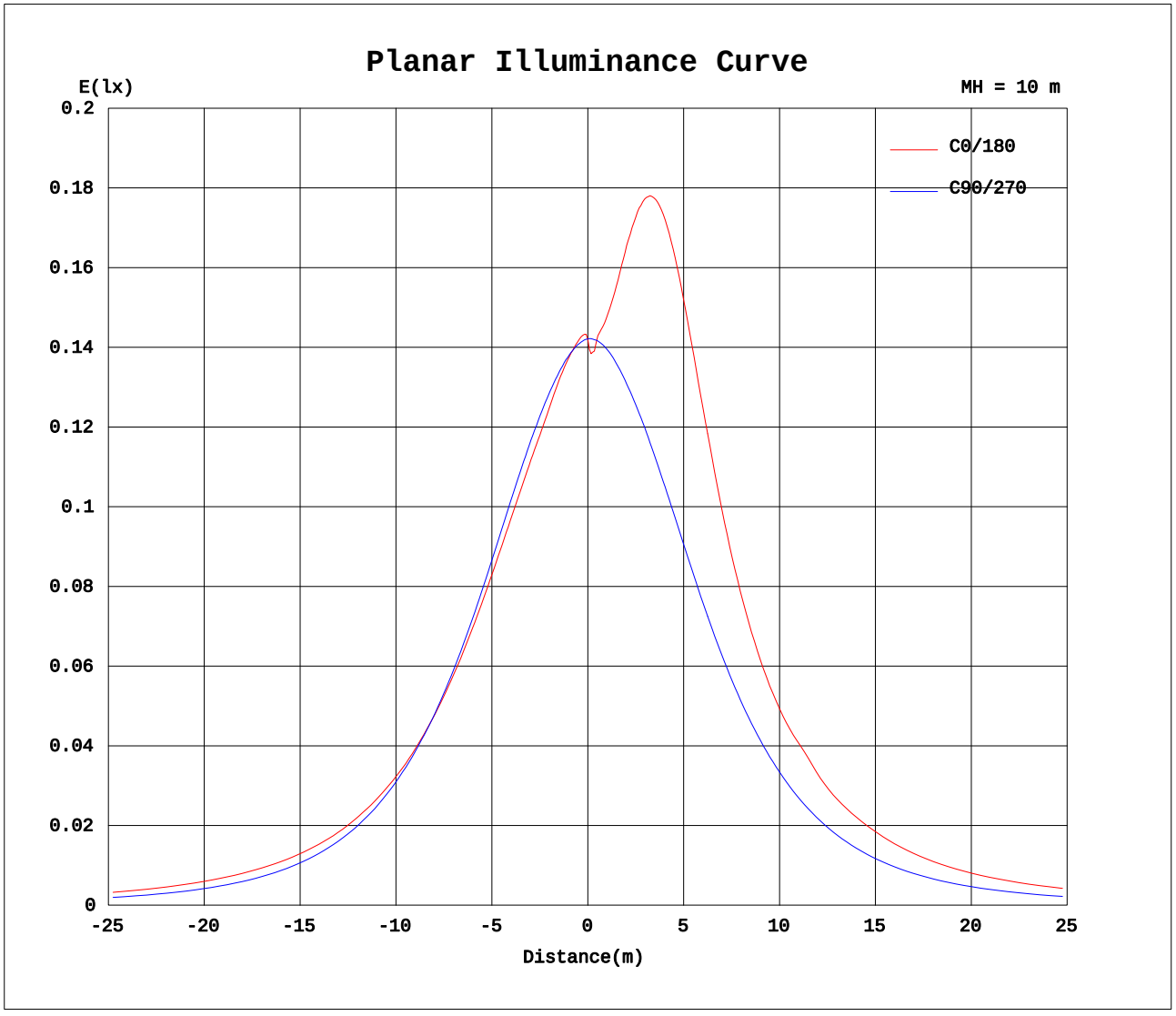
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

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Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:3.550V I:0.4351A P:1.545W PF:1.000 Freq:0Hz Lamp Flux:66.5743x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1 UNIT: cd

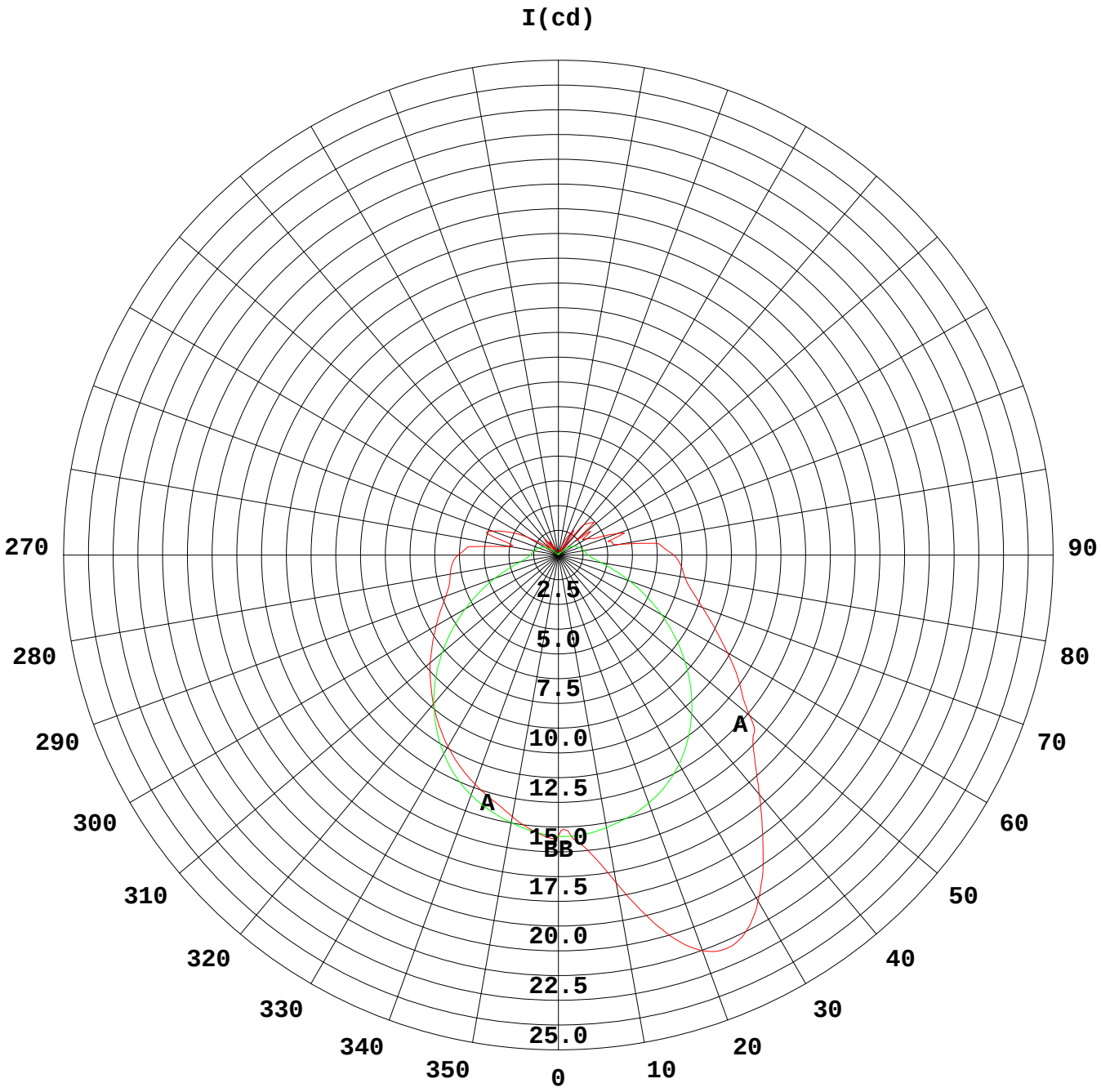
γ (DEG) \ C(DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2			
5	14.0	14.1	14.1	14.2	14.0	13.9	14.5	14.8	14.8	14.8	14.4	13.9	14.2	14.3	14.3	14.2			
10	13.4	13.5	13.6	13.9	13.7	14.3	15.5	16.6	16.8	16.5	15.3	14.3	14.0	13.9	13.8	13.6			
15	12.8	12.9	13.0	13.4	13.3	14.4	16.9	18.9	19.4	18.9	16.7	14.5	13.7	13.5	13.2	13.0			
20	12.3	12.3	12.3	12.9	12.9	14.7	18.3	20.7	21.3	20.7	18.0	14.7	13.3	13.0	12.6	12.4			
25	11.8	11.7	11.8	12.2	12.3	14.9	19.3	21.2	21.5	21.3	19.0	14.8	12.8	12.3	12.0	11.8			
30	11.2	11.1	11.2	11.4	11.6	14.8	19.4	20.4	20.2	20.5	19.2	14.8	12.2	11.6	11.4	11.2			
35	10.5	10.5	10.5	10.6	10.7	14.5	18.7	18.5	18.0	18.7	18.7	14.5	11.4	10.8	10.7	10.6			
40	9.84	9.81	9.76	9.68	9.78	13.9	17.4	16.4	15.8	16.6	17.5	14.0	10.5	9.99	10.0	9.89			
45	9.14	9.14	8.97	8.74	8.75	13.1	15.7	14.4	14.0	14.7	15.9	13.1	9.45	9.05	9.29	9.20			
50	8.47	8.46	8.19	7.79	7.66	12.0	13.9	13.0	12.6	13.3	14.2	12.1	8.34	8.09	8.51	8.52			
55	7.77	7.75	7.40	6.83	6.53	10.8	12.2	11.2	11.1	11.6	12.6	11.0	7.18	7.14	7.72	7.81			
60	7.13	7.08	6.64	5.90	5.43	9.62	10.6	9.99	9.87	10.3	11.0	9.75	6.02	6.19	6.94	7.13			
65	6.56	6.46	5.92	5.00	4.38	8.38	9.15	8.78	8.72	9.04	9.48	8.49	4.89	5.28	6.20	6.52			
70	6.05	5.91	5.26	4.19	3.41	7.20	7.93	7.73	7.75	7.95	8.20	7.27	3.83	4.46	5.53	5.98			
75	5.71	5.51	4.78	3.52	2.56	6.14	6.93	6.89	6.99	7.07	7.16	6.18	2.90	3.76	5.02	5.59			
80	5.56	5.33	4.51	3.09	1.95	5.33	6.20	6.34	6.49	6.47	6.36	5.30	2.19	3.31	4.72	5.40			
85	5.40	5.16	4.33	2.87	1.59	4.84	5.76	6.03	6.22	6.14	5.87	4.77	1.74	3.08	4.55	5.24			
90	5.08	4.82	4.01	2.62	1.43	4.40	5.30	5.62	5.83	5.74	5.45	4.38	1.53	2.88	4.29	4.95			
95	4.62	4.03	3.61	2.33	1.34	3.93	4.79	5.07	5.24	5.17	4.89	3.88	1.40	2.50	3.82	4.46			
100	2.53	2.24	2.88	2.13	1.26	3.55	4.05	2.84	3.13	3.07	4.31	3.51	1.31	2.28	3.26	2.44			
105	3.10	3.17	2.06	1.77	1.16	2.94	2.60	2.28	2.67	2.55	3.16	3.07	1.22	1.99	2.54	2.74			
110	3.55	2.94	1.43	1.46	1.07	2.36	1.82	2.33	3.21	2.45	1.86	2.51	1.12	1.59	1.78	3.09			
115	2.75	2.20	0.82	1.25	0.97	2.02	1.88	1.65	1.99	1.66	1.49	1.80	1.02	1.22	1.25	2.48			
120	1.82	1.19	0.83	0.95	0.78	1.52	2.44	1.33	1.65	1.15	1.73	1.51	0.91	1.03	0.69	1.57			
125	0.88	0.70	1.18	0.66	0.57	1.11	2.53	2.09	1.80	1.77	1.86	1.01	0.72	0.75	0.57	0.81			
130	0.38	0.69	1.40	0.41	0.33	0.84	2.48	2.35	1.32	2.03	1.76	0.65	0.51	0.47	0.97	0.40			
135	0.80	1.00	1.21	0.25	0.06	0.47	2.28	2.07	2.31	1.50	1.63	0.33	0.24	0.21	1.15	0.65			
140	1.05	0.87	0.88	0.24	0.07	0.30	1.82	1.56	1.99	1.12	1.35	0.23	0.08	0.24	0.82	0.62			
145	0.75	0.72	0.55	0.19	0.04	0.21	1.22	1.42	0.22	1.26	0.89	0.26	0.13	0.30	0.47	0.79			
150	0.54	0.45	0.30	0.05	0.07	0.09	0.66	1.00	1.35	0.85	0.53	0.12	0.13	0.15	0.29	0.50			
155	0.32	0.26	0.08	0.05	0.08	0.09	0.19	0.56	0.90	0.49	0.20	0.09	0.10	0.13	0.16	0.29			
160	0.14	0.12	0.05	0.04	0.05	0.05	0.08	0.21	0.35	0.21	0.09	0.09	0.09	0.12	0.12	0.16			
165	0.04	0.05	0.05	0.06	0.05	0.06	0.08	0.08	0.07	0.10	0.08	0.08	0.08	0.10	0.11	0.07			
170	0.03	0.03	0.04	0.04	0.05	0.05	0.08	0.07	0.06	0.07	0.07	0.09	0.07	0.08	0.08	0.05			
175	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.07	0.06	0.06	0.05	0.05	0.05	0.06	0.04	0.04			
180	0.04	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.05	0.06	0.05	0.05	0.04	0.04			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2019-04-09

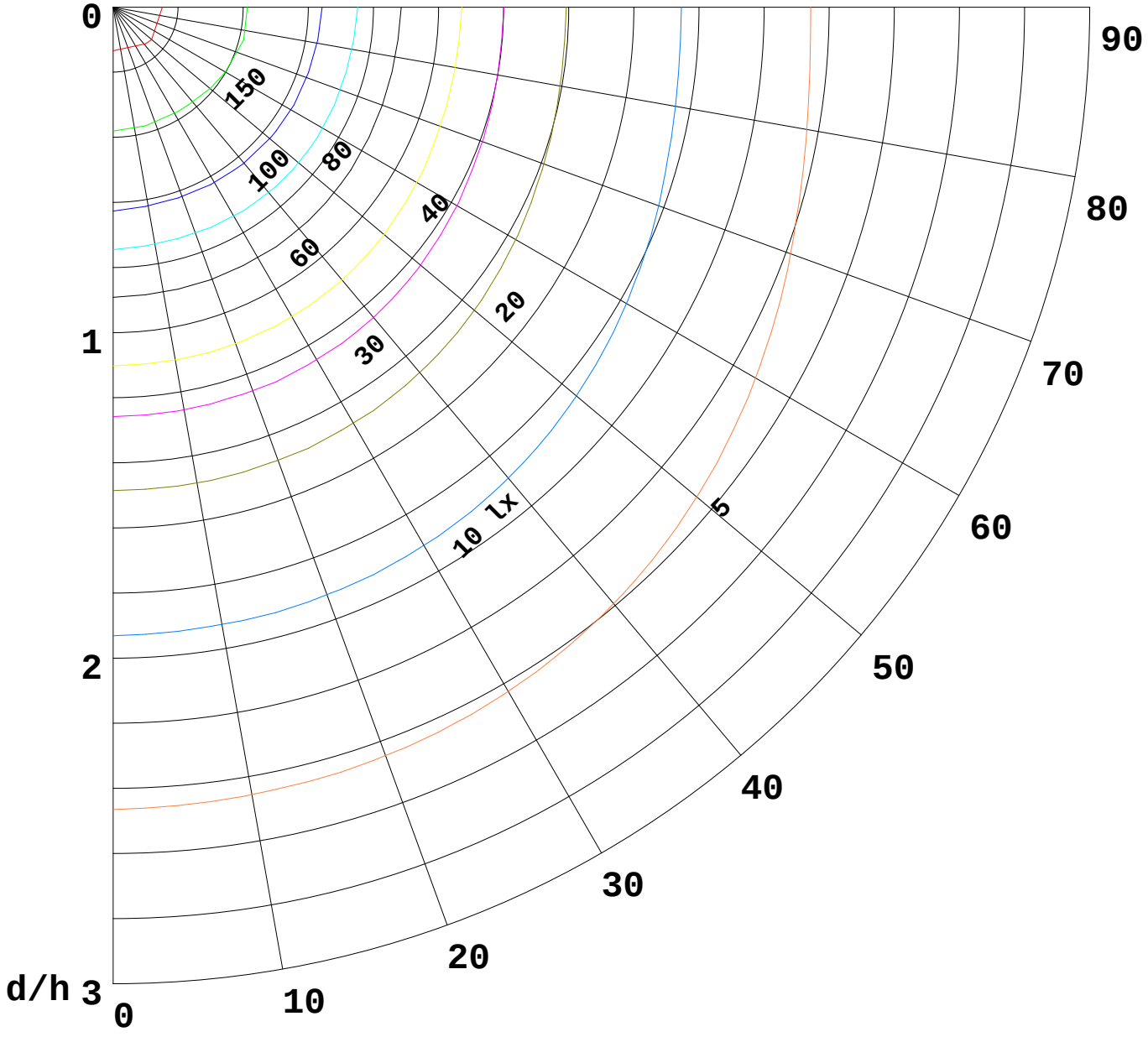
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:60.5%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu


I(cd)
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
340
350
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
22.5
25.0
A
A
B
B

1000 lm K = 1



F = 1000 lm
K = 0.7
Hcc = 0.8 m
Hfc = 0.0 m
Eave = 100 lx

	Pcc	Pw	Pfc
———	70	50	30
———	50	30	20

