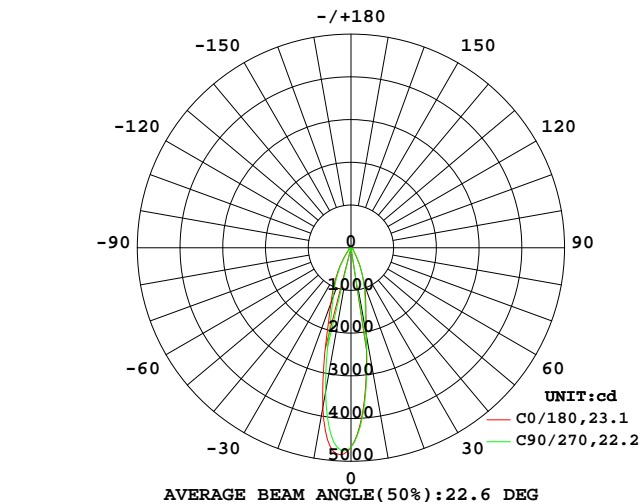


## LUMINAIRE PHOTOMETRIC TEST REPORT

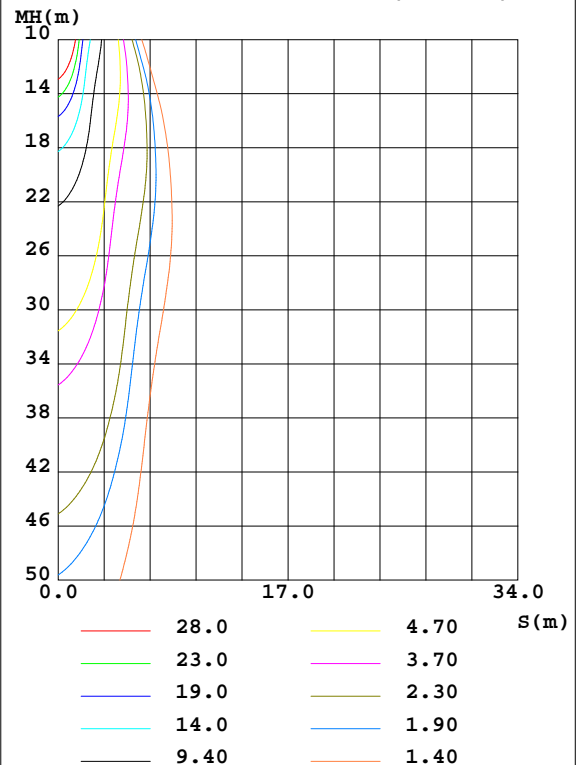
Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: In Home lighting Limited	SUR.:--	Shielding Angle:--

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.26 lm/W			
MODEL	IH-F16-14W	Imax(cd)	4894	S/MH(C0/180)	0.50
NOMINAL POWER(W)	14	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1480.8	$\eta$ UP,DN(C0-180)	0.0,42.8
NOMINAL FLUX(lm)	1480.75	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,57.1
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	$\eta$ down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.8DEG  
 Operators:Dinghao Lun  
 Test Date:2019-08-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
 Humidity:57%  
 Test Distance:1.495m [K=1.0000]  
 Remarks: 24Vdc

Checker:

Assessor:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	2071	1803	2070	2948	3800	3823	3427	2752	0- 10	352.4	352.4	23.8,23.8
20	903.4	784.7	873.8	1220	1374	1237	1219	1186	10- 20	484.5	836.9	56.5,56.5
30	282.8	251.5	296.6	442.0	566.2	561.3	509.5	407.4	20- 30	326.4	1163	78.6,78.6
40	98.13	89.69	97.57	123.7	153.6	162.4	145.1	124.8	30- 40	145.2	1308	88.4,88.4
50	64.34	59.20	59.04	70.35	72.55	72.09	71.58	77.83	40- 50	68.21	1377	93,93
60	44.36	36.66	39.40	47.58	49.50	47.58	47.67	50.30	50- 60	50.66	1427	96.4,96.4
70	22.66	17.73	18.87	23.03	28.29	28.73	30.49	27.35	60- 70	34.66	1462	98.7,98.7
80	4.747	2.857	3.093	4.854	9.459	11.73	11.72	7.830	70- 80	16.11	1478	99.8,99.8
90	0	0	0	0	0	0.2187	0.1936	0.0132	80- 90	2.527	1481	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0034	1481	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1481	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1481	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1481	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1481	100,100
150	0.0367	0.0355	0.0318	0.0227	0.0107	0.0035	0.0069	0.0220	140-150	0.0031	1481	100,100
160	0.1415	0.1452	0.1316	0.1067	0.0866	0.0695	0.0702	0.0985	150-160	0.0260	1481	100,100
170	0.2157	0.2354	0.2287	0.1995	0.2258	0.2091	0.1944	0.2064	160-170	0.0450	1481	100,100
180	0	0	0	0	0.0255	0.0257	0.0176	0.0169	170-180	0.0177	1481	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1346.1 lm

%lum = 90.9%

%lamp = 90.9%

Conical surface Flux(120deg): 1427.4 lm

%lum = 96.4%

%lamp = 96.4%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.8DEG  
 Operators:Dinghao Lun  
 Test Date:2019-08-27

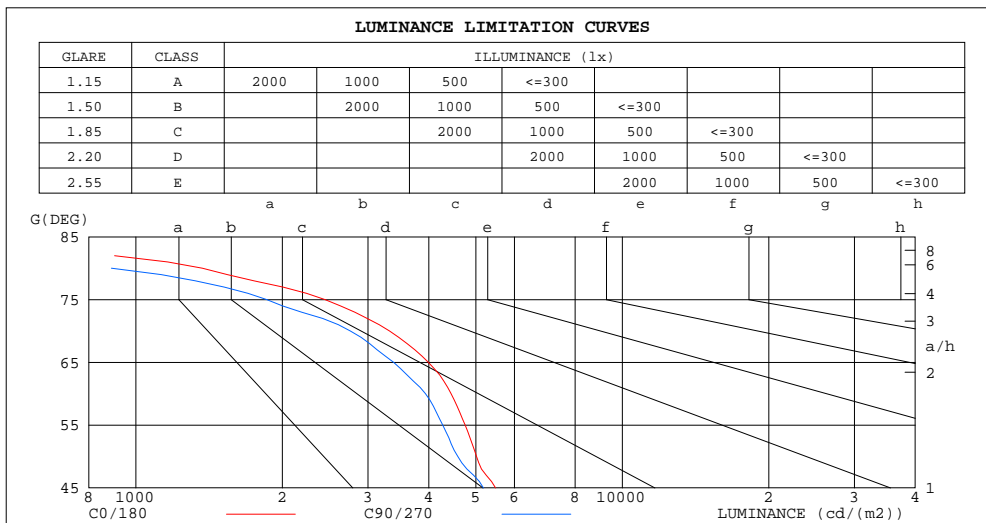
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
 Humidity:57%  
 Test Distance:1.495m [K=1.0000]  
 Remarks: 24Vdc

Checker:

Assessor:

## LUMINANCE LIMITATION CURVES

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	SUR.:--	Shielding Angle:--



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	191	2
80	1370	890
75	2447	1857
70	3320	2758
65	3992	3386
60	4446	3939
55	4754	4274
50	5016	4591
45	5487	5182

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.8DEG  
Operators:Dinghao Lun  
Test Date:2019-08-27

Checker:

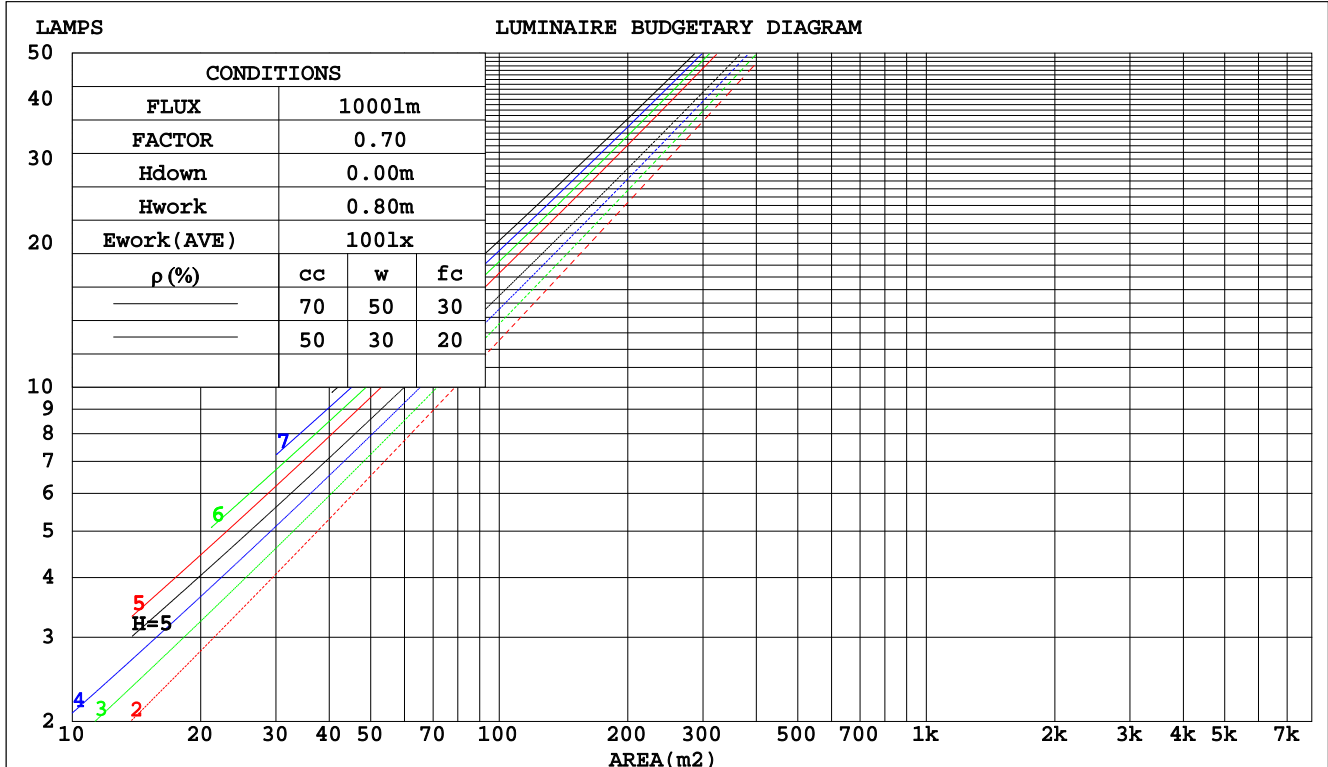
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity:57%  
Test Distance:1.495m [K=1.0000]  
Remarks: 24Vdc

Assessor:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	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	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.85	.89	.86	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.80	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.83	.77	.73	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.74	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.75	.71	.69	.67
8.0	.76	.70	.67	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.64
9.0	.72	.67	.64	.72	.67	.64	.71	.67	.63	.70	.66	.63	.69	.66	.63	.62
10.0	.70	.64	.61	.69	.64	.61	.68	.64	.61	.68	.64	.61	.67	.63	.61	.59



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.8DEG  
Operators:Dinghao Lun  
Test Date:2019-08-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity:57%  
Test Distance:1.495m [K=1.0000]  
Remarks: 24Vdc

Checker:

Assessor:

## WEC AND CCEC

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	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	.174	.099	.031	.168	.096	.030	.155	.089	.028	.143	.083	.027	.133	.077	.025		
2.0	.165	.090	.028	.159	.088	.027	.148	.083	.026	.139	.078	.024	.130	.073	.023		
3.0	.154	.082	.025	.150	.080	.024	.141	.076	.023	.132	.073	.022	.125	.069	.021		
4.0	.145	.075	.022	.141	.074	.022	.133	.071	.021	.126	.068	.020	.120	.065	.020		
5.0	.137	.070	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018		
6.0	.129	.065	.018	.126	.064	.018	.120	.062	.018	.115	.060	.018	.110	.058	.017		
7.0	.122	.060	.017	.119	.059	.017	.114	.058	.017	.109	.056	.016	.105	.055	.016		
8.0	.116	.057	.016	.114	.056	.016	.109	.054	.016	.105	.053	.015	.101	.052	.015		
9.0	.110	.053	.015	.108	.053	.015	.104	.052	.015	.100	.050	.014	.097	.049	.014		
10.0	.105	.050	.014	.103	.050	.014	.100	.049	.014	.096	.048	.014	.093	.047	.013		

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	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.029	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.077	.046	.025	.054	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.8DEG  
Operators:Dinghao Lun  
Test Date:2019-08-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity:57%  
Test Distance:1.495m [K=1.0000]  
Remarks: 24Vdc

Checker:

Assessor:

## UGR(Unified Glare Rating) Table

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	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	11.4	12.3	11.7	12.5	12.6	11.1	12.0	11.3	12.1	12.3
3H	12.5	13.3	12.7	13.5	13.7	11.9	12.7	12.2	12.9	13.1
4H	12.7	13.5	13.0	13.7	13.9	12.1	12.9	12.4	13.1	13.3
6H	12.8	13.5	13.1	13.8	14.0	12.1	12.9	12.4	13.1	13.3
8H	12.8	13.5	13.1	13.7	14.0	12.1	12.8	12.4	13.0	13.3
12H	12.7	13.4	13.0	13.7	13.9	12.0	12.7	12.4	13.0	13.3
4H 2H	11.8	12.5	12.0	12.7	13.0	11.5	12.2	11.7	12.5	12.7
3H	12.9	13.6	13.2	13.8	14.1	12.4	13.1	12.7	13.4	13.6
4H	13.2	13.8	13.6	14.1	14.4	12.7	13.3	13.0	13.6	13.9
6H	13.3	13.9	13.7	14.2	14.5	12.7	13.2	13.1	13.6	13.9
8H	13.3	13.8	13.7	14.1	14.5	12.7	13.2	13.0	13.5	13.9
12H	13.2	13.7	13.7	14.1	14.5	12.6	13.1	13.0	13.4	13.8
8H 4H	13.2	13.7	13.6	14.1	14.4	12.7	13.2	13.1	13.5	13.9
6H	13.3	13.7	13.8	14.1	14.5	12.7	13.1	13.2	13.5	14.0
8H	13.3	13.7	13.7	14.1	14.5	12.7	13.1	13.1	13.5	13.9
12H	13.2	13.6	13.7	14.0	14.5	12.6	12.9	13.1	13.4	13.9
12H 4H	13.2	13.6	13.6	14.0	14.4	12.6	13.1	13.1	13.5	13.9
6H	13.3	13.6	13.7	14.1	14.5	12.7	13.1	13.1	13.5	13.9
8H	13.3	13.6	13.7	14.0	14.5	12.6	13.0	13.1	13.4	13.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.6				
1.5H	+ 0.6 / - 0.3					+ 0.7 / - 0.4				
2.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.6				

CIE Pub.117, 1481 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 1.4$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.8DEG  
Operators:Dinghao Lun  
Test Date:2019-08-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity:57%  
Test Distance:1.495m [K=1.0000]  
Remarks: 24Vdc

Checker:

Assessor:

## UTILIZATION FACTORS TABLE

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	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	84	77	73	84	77	73	83	77	73	69
0.80	92	86	81	91	85	81	90	85	81	77
1.00	97	91	87	96	90	86	94	90	86	82
1.25	101	95	91	100	95	91	98	93	90	86
1.50	104	99	95	103	98	94	100	96	93	89
2.00	107	102	99	106	101	98	103	99	97	91
2.50	109	105	101	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended							SHRNM = 1.25			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.8DEG  
Operators:Dinghao Lun  
Test Date:2019-08-27

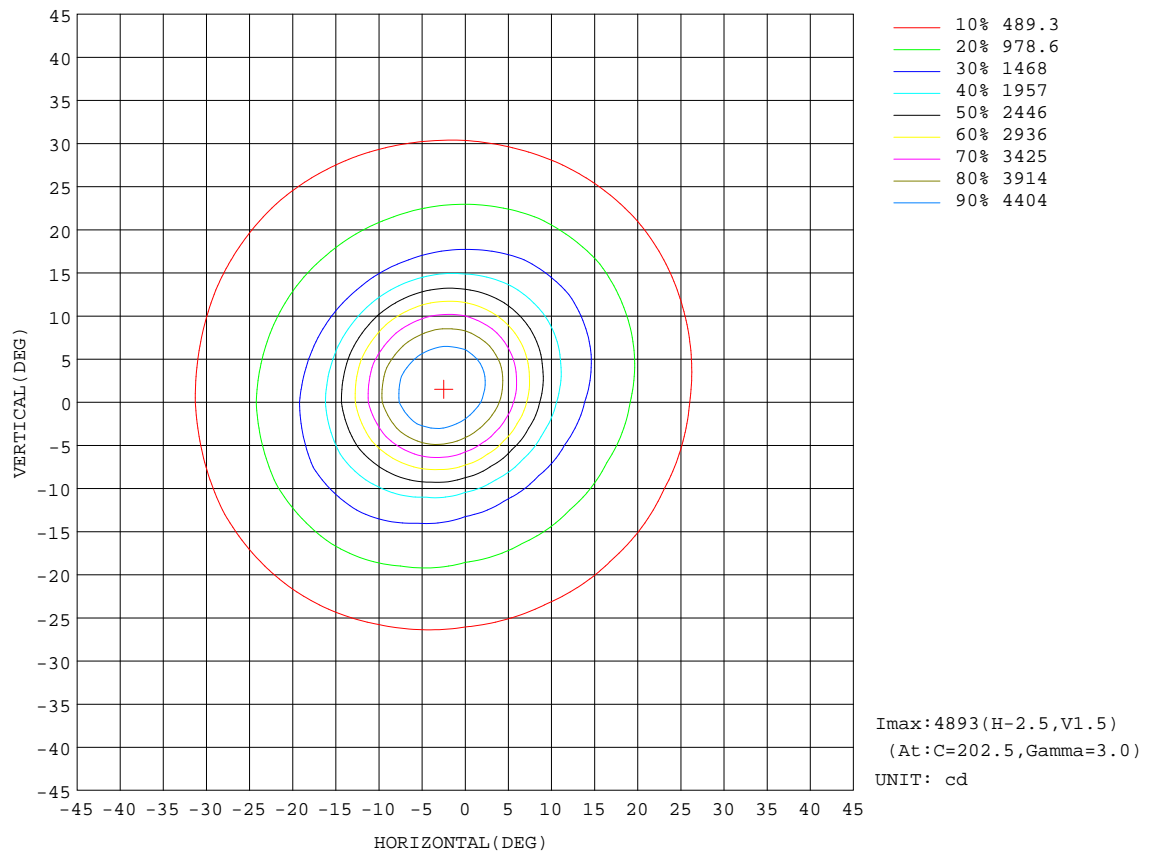
Checker:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity:57%  
Test Distance:1.495m [K=1.0000]  
Remarks: 24Vdc

Assessor:

## ISOCANDELA DIAGRAM

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	SUR.:--	Shielding Angle:--



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.8DEG  
Operators:Dinghao Lun  
Test Date:2019-08-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity:57%  
Test Distance:1.495m [K=1.0000]  
Remarks: 24Vdc

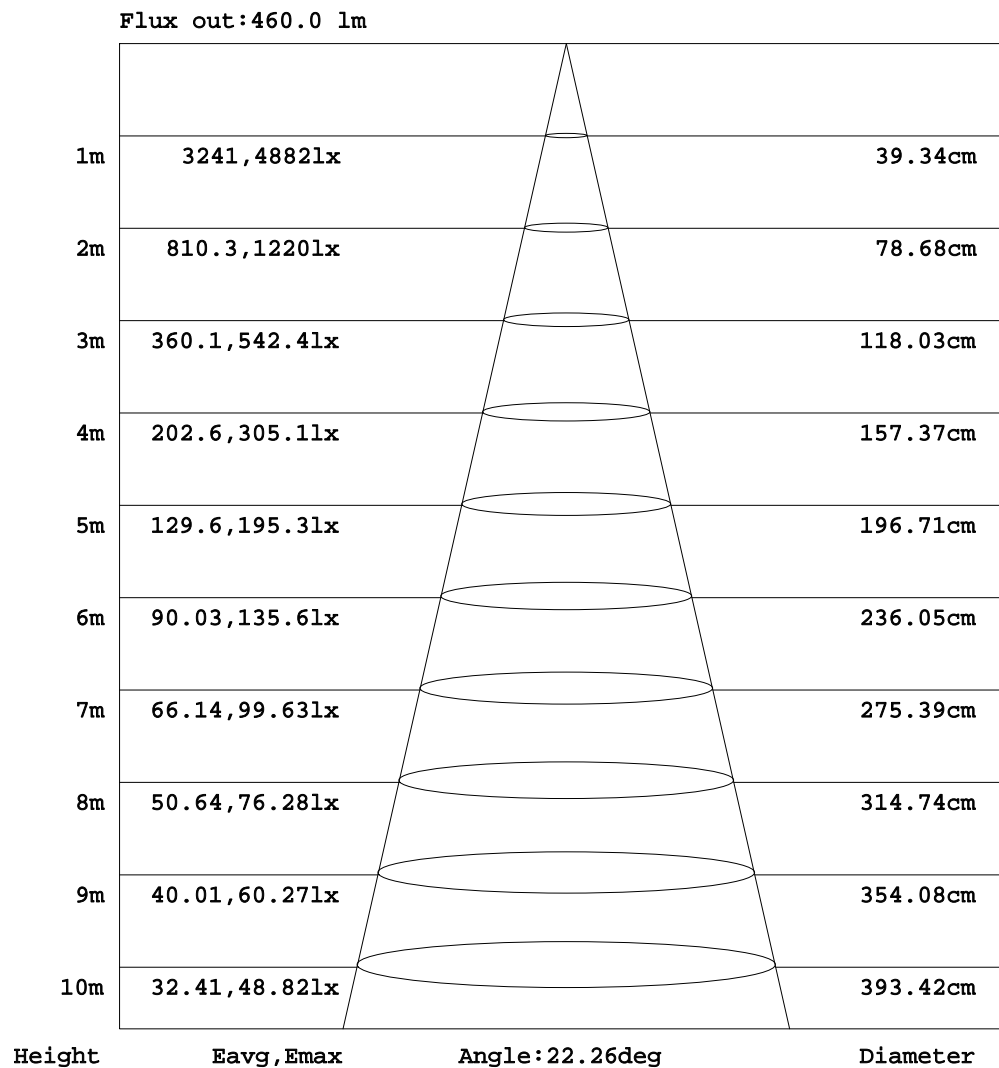
Checker:

Assessor:



## AAI Figure

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	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: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.8DEG  
 Operators:Dinghao Lun  
 Test Date:2019-08-27

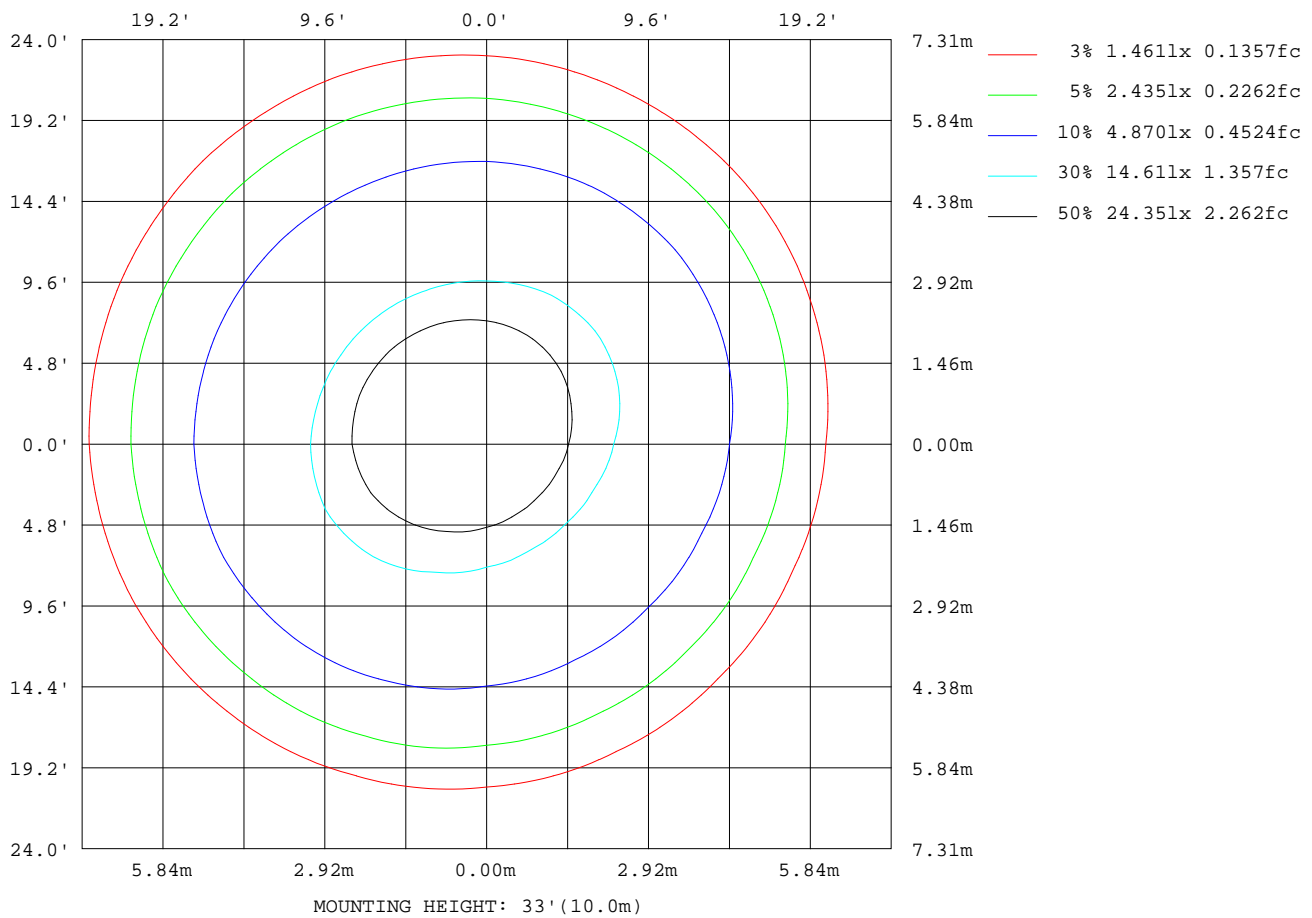
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
 Humidity:57%  
 Test Distance:1.495m [K=1.0000]  
 Remarks: 24Vdc

Checker:

Assessor:

## ISOLUX DIAGRAM

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	SUR.:--	Shielding Angle:--



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8DEG  
Operators: Dinghao Lun  
Test Date: 2019-08-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity: 57%  
Test Distance: 1.495m [K=1.0000]  
Remarks: 24Vdc

Checker:

Assessor:

## LED Avg.L Report

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	SUR.:--	Shielding Angle:--

AvgL	cd/m2
L_0~180(65)av	4392
L_0~180(75)av	3006
L_0~180(85)av	757
L_90~270(65)av	4028
L_90~270(75)av	2928
L_90~270(85)av	1229
L_45(65)av	4029
L_45(75)av	2833
L_45(85)av	930

Standard: GB/T 29293-2012

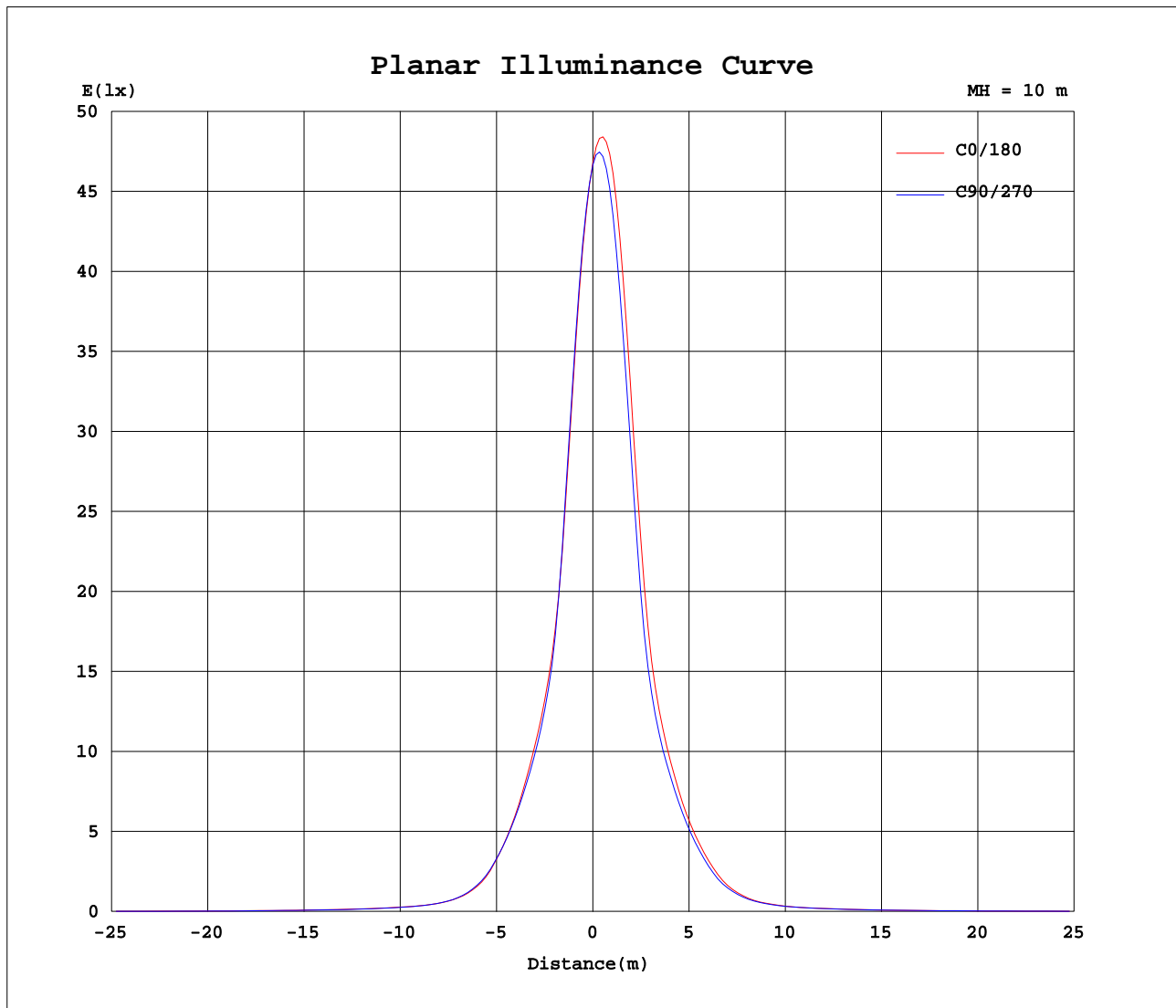
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.8DEG  
 Operators:Dinghao Lun  
 Test Date:2019-08-27

Checker:

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
 Humidity:57%  
 Test Distance:1.495m [K=1.0000]  
 Remarks: 24Vdc

Assessor:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8DEG  
Operators: Dinghao Lun  
Test Date: 2019-08-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.401  
Humidity: 57%  
Test Distance: 1.495m [K=1.0000]  
Remarks: 24Vdc

Checker:

Assessor:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.990V I:0.5600A P:13.430W PF:1.0000 Freq:0Hz Lamp Flux:1480.75x1 lm		
NAME: IH-F16-14W	TYPE:LED	WEIGHT:--
SPEC.:--	DIM.: --	SERIAL No.:T190827051
MFR.: 英鸿光电	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	4667	4667	4667	4667	4667	4667	4667	4667	4667	4667	4667	4667	4667	4667	4667	4667			
5	3603	3441	3390	3464	3661	3958	4301	4601	4779	4828	4790	4704	4576	4375	4118	3840			
10	2071	1874	1803	1860	2070	2453	2948	3450	3800	3895	3823	3657	3427	3106	2752	2376			
15	1342	1208	1159	1181	1279	1483	1789	2083	2251	2267	2190	2049	1923	1855	1735	1552			
20	903	809	785	807	874	1013	1220	1369	1374	1299	1237	1207	1219	1237	1186	1060			
25	548	491	476	495	548	643	767	874	909	891	863	841	826	804	748	649			
30	283	257	252	265	297	356	442	523	566	572	561	538	510	464	407	342			
35	154	141	138	145	158	186	222	264	296	307	309	294	268	238	210	180			
40	98.1	92.0	89.7	91.9	97.6	108	124	141	154	159	162	155	145	132	125	112			
45	77.4	72.4	70.8	71.6	73.3	78.0	85.8	92.4	94.9	97.4	98.8	95.9	92.4	88.4	89.0	85.3			
50	64.3	59.5	59.2	59.3	59.0	62.8	70.4	74.4	72.6	72.1	72.1	71.2	71.6	72.7	77.8	74.5			
55	54.4	49.3	47.1	46.9	49.0	52.4	60.7	62.5	59.0	57.9	59.4	58.9	57.3	60.9	65.2	63.8			
60	44.4	39.8	36.7	36.1	39.4	42.7	47.6	51.0	49.5	47.5	47.6	48.4	47.7	52.2	50.3	48.6			
65	33.7	29.8	27.0	27.2	28.6	31.6	33.1	36.6	40.6	39.1	37.4	38.8	39.5	41.8	38.7	36.8			
70	22.7	19.9	17.7	17.8	18.9	20.4	23.0	26.2	28.3	28.9	28.7	29.3	30.5	30.2	27.3	24.6			
75	12.6	10.9	9.38	9.43	9.62	11.5	12.7	15.4	18.5	19.6	20.0	20.1	20.7	19.7	16.6	14.0			
80	4.75	3.66	2.86	2.59	3.09	3.95	4.85	6.47	9.46	10.6	11.7	11.9	11.7	10.2	7.83	6.05			
85	0.33	0.10	0.02	0.01	0.00	0.03	0.24	0.90	2.31	3.61	4.40	4.62	4.28	3.23	1.82	0.92			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.22	0.29	0.19	0.04	0.01	0.00			
95	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			
100	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			
105	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			
110	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			
115	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			
120	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			
125	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			
130	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			
135	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			
140	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			
145	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
150	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.02	0.03			
155	0.08	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.04	0.05	0.07			
160	0.14	0.15	0.15	0.14	0.13	0.12	0.11	0.09	0.09	0.08	0.07	0.07	0.07	0.08	0.10	0.12			
165	0.20	0.21	0.21	0.21	0.20	0.18	0.16	0.14	0.15	0.15	0.13	0.13	0.13	0.14	0.16	0.18			
170	0.22	0.22	0.24	0.24	0.23	0.21	0.20	0.19	0.23	0.22	0.21	0.20	0.19	0.20	0.21	0.21			
175	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.20	0.20	0.19	0.19	0.18	0.17	0.17	0.16			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02			

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