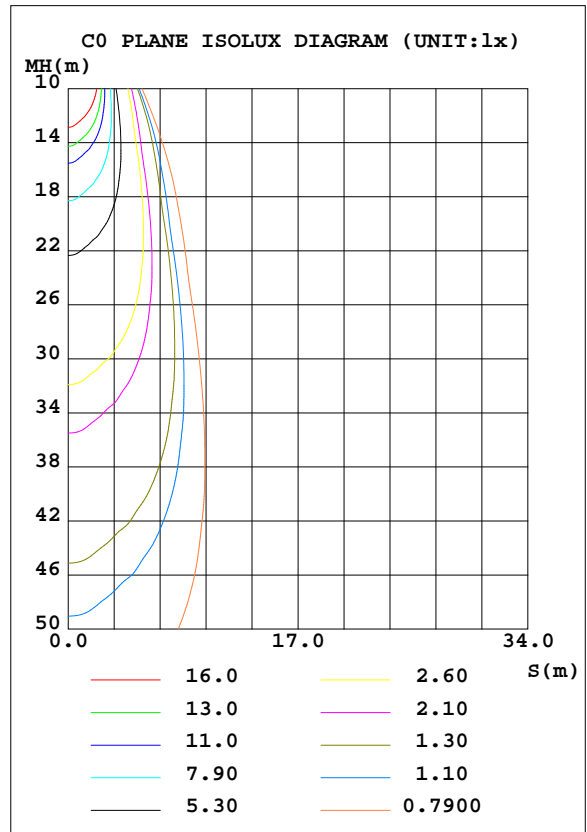
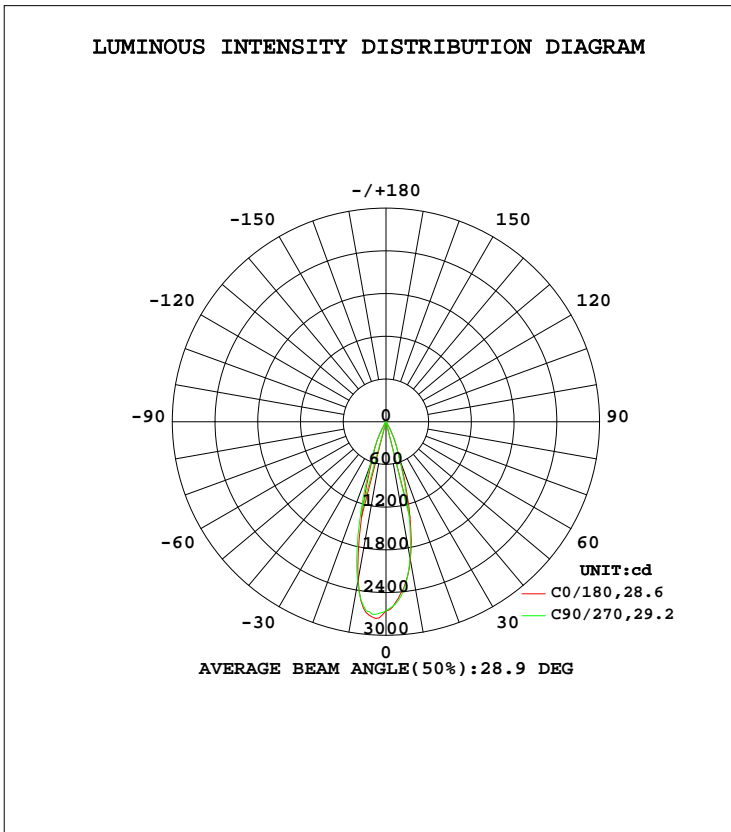


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.51 lm/W			
MODEL	HR-DLL5A-10	I _{max} (cd)	2777	S/MH(C0/180)	0.46
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.49
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	735.47	η UP, DN(C0-180)	0.1,47.1
NOMINAL FLUX(lm)	735.473	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,52.7
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	99.8	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3825]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1974	1905	1945	2026	2260	2362	2287	2102	0- 10	230.7	230.7	31.4,31.4
20	581.8	558.2	557.6	552.0	580.2	636.3	662.9	654.1	10- 20	346.5	577.2	78.5,78.5
30	69.97	73.27	78.17	74.78	71.54	77.58	79.49	84.03	20- 30	135.4	712.5	96.9,96.9
40	7.111	7.975	6.742	7.915	6.814	9.327	7.795	9.181	30- 40	15.02	727.6	98.9,98.9
50	3.120	3.431	3.403	3.949	3.047	3.502	2.459	3.723	40- 50	3.689	731.2	99.4,99.4
60	2.033	2.043	1.882	1.974	1.088	1.600	1.443	1.745	50- 60	2.348	733.6	99.7,99.7
70	0	0.0063	0	0	0	0	0	0	60- 70	0.6283	734.2	99.8,99.8
80	0	0	0	0	0	0	0	0	70- 80	0.0000	734.2	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	0	734.2	99.8,99.8
100	0	0	0	0	0	0	0	0	90-100	0	734.2	99.8,99.8
110	0	0	0	0	0	0	0	0	100-110	0	734.2	99.8,99.8
120	0	0	0	0	0	0	0	0	110-120	0	734.2	99.8,99.8
130	0	0	0	0	0	0	0	0	120-130	0	734.2	99.8,99.8
140	0	0	0	0	0	0	0	0	130-140	0	734.2	99.8,99.8
150	0	0	0	0	0.3636	0.2196	0.1461	0.2922	140-150	0.0164	734.2	99.8,99.8
160	1.447	1.313	1.446	1.460	1.672	1.539	1.522	1.392	150-160	0.3433	734.6	99.9,99.9
170	2.467	2.548	2.819	2.769	2.902	2.774	2.677	2.703	160-170	0.5978	735.2	100,100
180	3.697	3.502	3.471	3.286	3.555	3.650	3.545	3.577	170-180	0.2976	735.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 729.73 lm

%lum = 99.2%
%lamp = 99.2%

Conical surface Flux(120deg): 733.59 lm

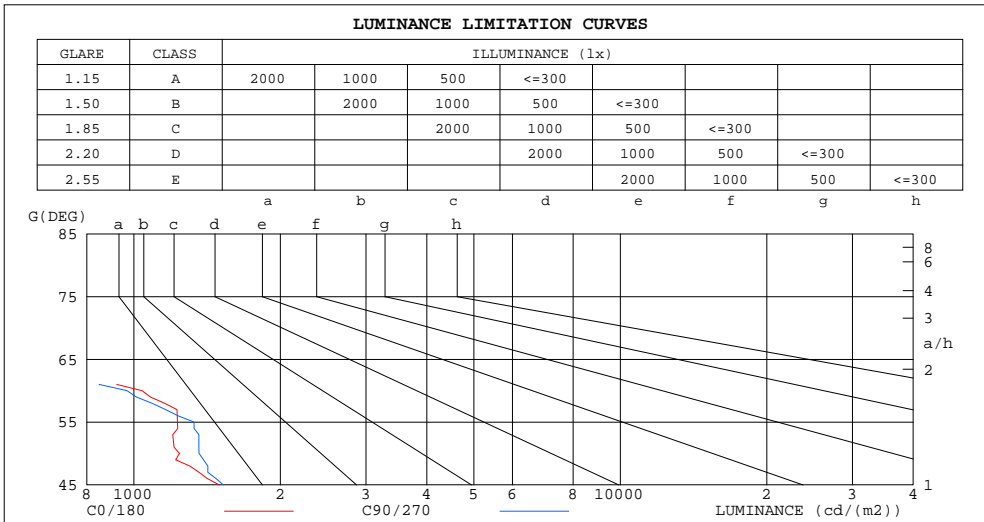
%lum = 99.7%
%lamp = 99.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:William
Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:65.7%
Test Distance:26.000m [K=1.3825]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	0
65	484	311
60	1039	968
55	1229	1330
50	1241	1361
45	1498	1527

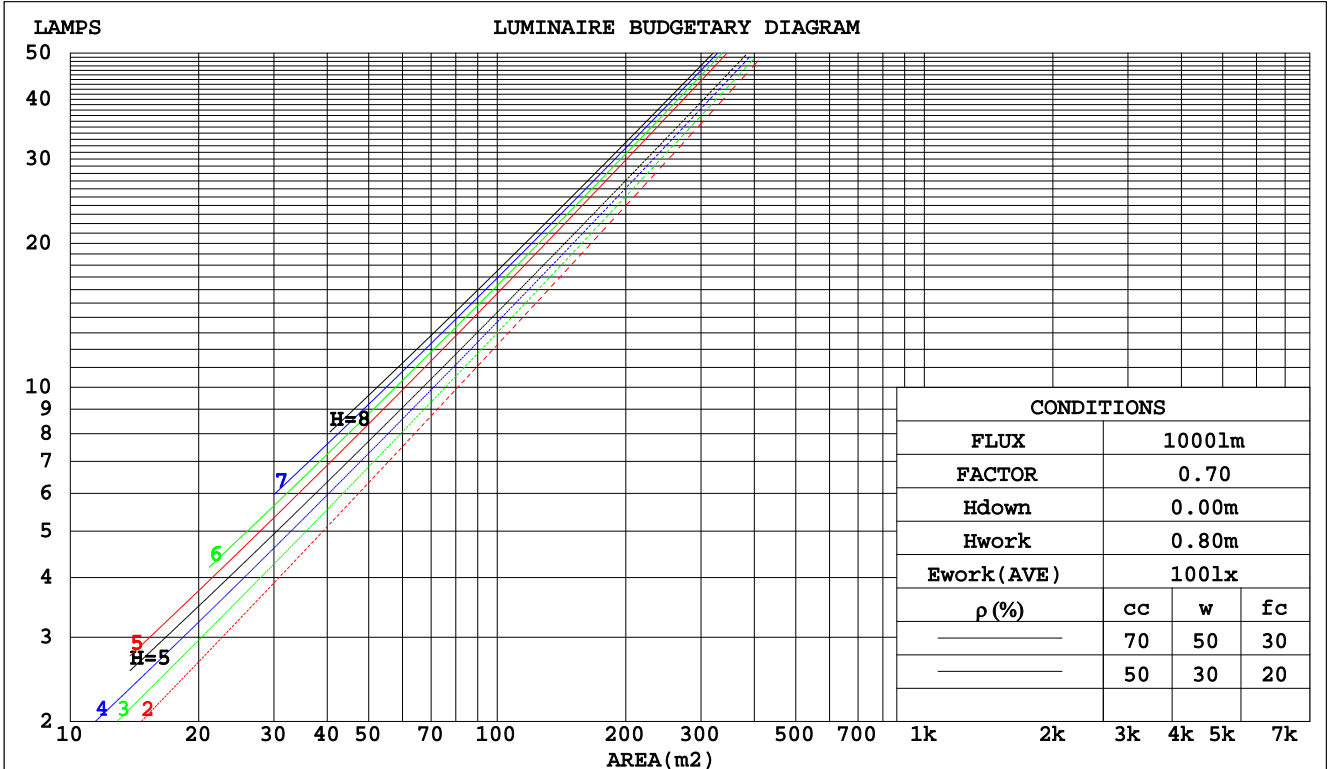
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3825]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A

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	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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.00	.99	.00	.98	.96	.97	.96	.94	.93
3.0	1.03	.99	.96	1.01	.98	.95	.99	.96	.94	.97	.94	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.92	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.90	.87	.92	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.87	.84	.91	.87	.84	.90	.86	.83	.88	.85	.83	.87	.84	.82	.81
7.0	.88	.84	.81	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.79
8.0	.86	.81	.79	.85	.81	.78	.84	.81	.78	.83	.80	.78	.82	.80	.78	.77
9.0	.83	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
10.0	.81	.76	.74	.80	.76	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3825]
 Remarks:

WEC AND CCEC

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A

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	.138	.079	.025	.132	.075	.024	.119	.068	.022	.108	.062	.020	.097	.056	.018	
2.0	.128	.070	.022	.123	.068	.021	.112	.063	.019	.103	.058	.018	.094	.053	.017	
3.0	.120	.064	.019	.115	.062	.019	.106	.058	.018	.099	.054	.017	.091	.050	.016	
4.0	.112	.058	.017	.108	.057	.017	.101	.054	.016	.094	.051	.015	.088	.048	.015	
5.0	.106	.054	.016	.103	.053	.015	.097	.050	.015	.091	.048	.014	.085	.046	.014	
6.0	.100	.050	.014	.098	.049	.014	.092	.047	.014	.087	.045	.013	.083	.043	.013	
7.0	.096	.047	.013	.093	.046	.013	.088	.045	.013	.084	.043	.013	.080	.042	.012	
8.0	.091	.045	.013	.089	.044	.012	.085	.042	.012	.081	.041	.012	.077	.040	.012	
9.0	.087	.042	.012	.085	.042	.012	.082	.040	.011	.078	.039	.011	.075	.038	.011	
10.0	.084	.040	.011	.082	.040	.011	.079	.039	.011	.076	.038	.011	.073	.037	.011	

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.170	.159	.149	.145	.136	.128	.099	.094	.089	.057	.054	.052	.018	.017	.017	
2.0	.152	.134	.119	.130	.115	.103	.089	.080	.072	.051	.046	.042	.016	.015	.014	
3.0	.137	.115	.097	.117	.099	.084	.081	.069	.059	.047	.040	.035	.015	.013	.011	
4.0	.124	.099	.080	.107	.086	.070	.073	.060	.049	.042	.035	.029	.014	.011	.010	
5.0	.114	.087	.067	.098	.075	.058	.067	.053	.041	.039	.031	.024	.013	.010	.008	
6.0	.105	.077	.057	.090	.067	.049	.062	.047	.035	.036	.027	.021	.012	.009	.007	
7.0	.098	.069	.049	.084	.060	.042	.058	.042	.030	.034	.025	.018	.011	.008	.006	
8.0	.091	.062	.042	.079	.054	.037	.054	.038	.026	.032	.022	.016	.010	.007	.005	
9.0	.086	.057	.037	.074	.049	.032	.051	.034	.023	.030	.020	.014	.010	.007	.005	
10.0	.081	.052	.032	.070	.045	.028	.048	.032	.020	.028	.019	.012	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3825]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A

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	3.0	3.7	3.2	3.8	4.0	2.3	2.9	2.5	3.1	3.2
3H	2.9	3.5	3.2	3.7	3.9	2.1	2.8	2.4	2.9	3.1
4H	2.9	3.4	3.1	3.6	3.9	2.1	2.7	2.3	2.9	3.1
6H	2.8	3.3	3.0	3.6	3.8	2.0	2.5	2.3	2.8	3.0
8H	2.7	3.3	3.0	3.5	3.8	1.9	2.5	2.2	2.7	3.0
12H	2.7	3.2	3.0	3.5	3.7	1.9	2.4	2.2	2.7	2.9
4H 2H	3.0	3.6	3.3	3.8	4.0	2.3	2.9	2.6	3.1	3.3
3H	2.9	3.4	3.2	3.7	3.9	2.1	2.7	2.5	2.9	3.2
4H	2.8	3.3	3.1	3.6	3.9	2.1	2.5	2.4	2.8	3.1
6H	2.7	3.1	3.1	3.4	3.8	2.0	2.4	2.3	2.7	3.0
8H	2.6	3.0	3.0	3.4	3.7	1.9	2.3	2.3	2.6	3.0
12H	2.6	2.9	3.0	3.3	3.7	1.8	2.2	2.2	2.6	3.0
8H 4H	2.6	3.0	3.0	3.4	3.7	1.9	2.3	2.3	2.6	3.0
6H	2.5	2.8	2.9	3.2	3.6	1.8	2.1	2.2	2.5	2.9
8H	2.5	2.7	2.9	3.2	3.6	1.7	2.0	2.2	2.4	2.9
12H	2.4	2.6	2.9	3.1	3.6	1.7	1.9	2.1	2.3	2.8
12H 4H	2.6	2.9	3.0	3.3	3.7	1.8	2.2	2.2	2.6	3.0
6H	2.5	2.7	2.9	3.2	3.6	1.7	2.0	2.2	2.4	2.9
8H	2.4	2.6	2.9	3.1	3.6	1.7	1.9	2.1	2.3	2.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 2.0					+ 1.3 / - 1.9				
1.5H	+ 2.7 / - 1.8					+ 2.1 / - 1.6				
2.0H	+ 1.0 / - 1.6					+ 1.1 / - 3.4				

CIE Pub.117, 735.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3825]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A

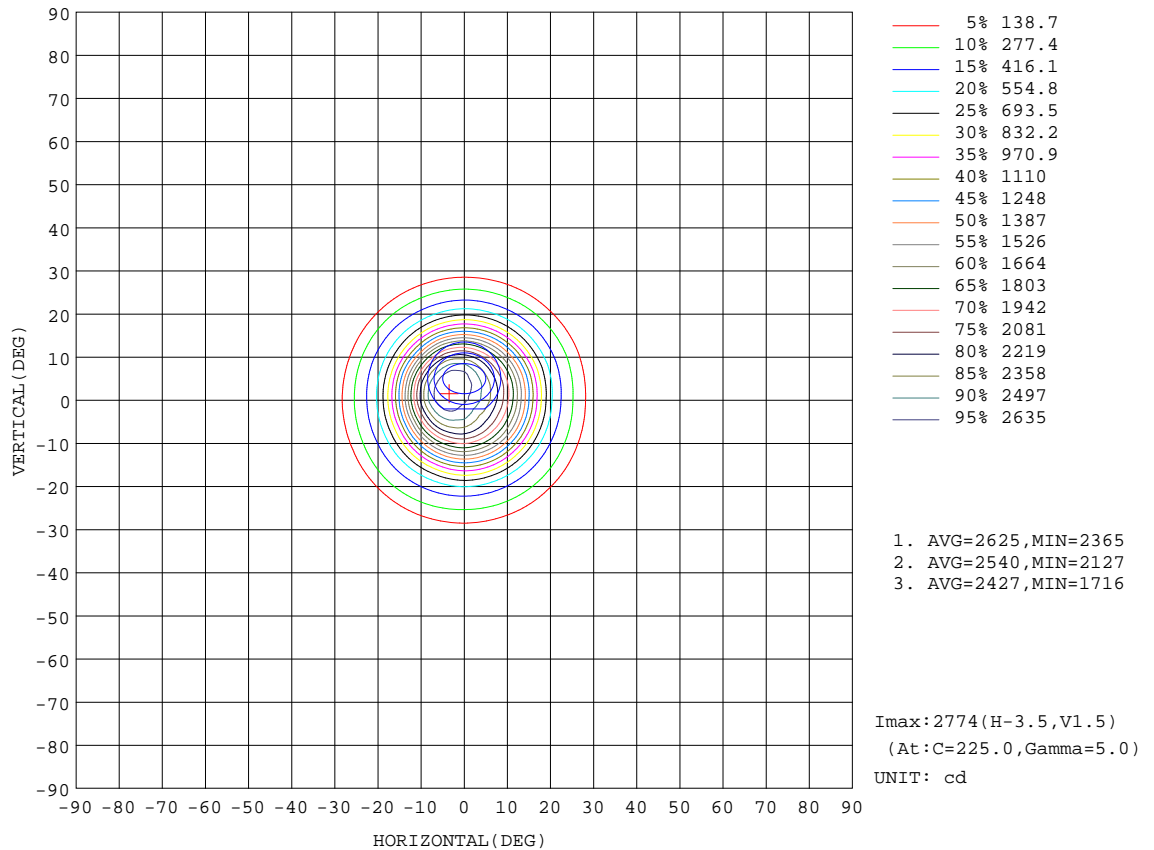
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	86
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	97	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
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:24.5DEG
 Operators:William
 Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3825]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A

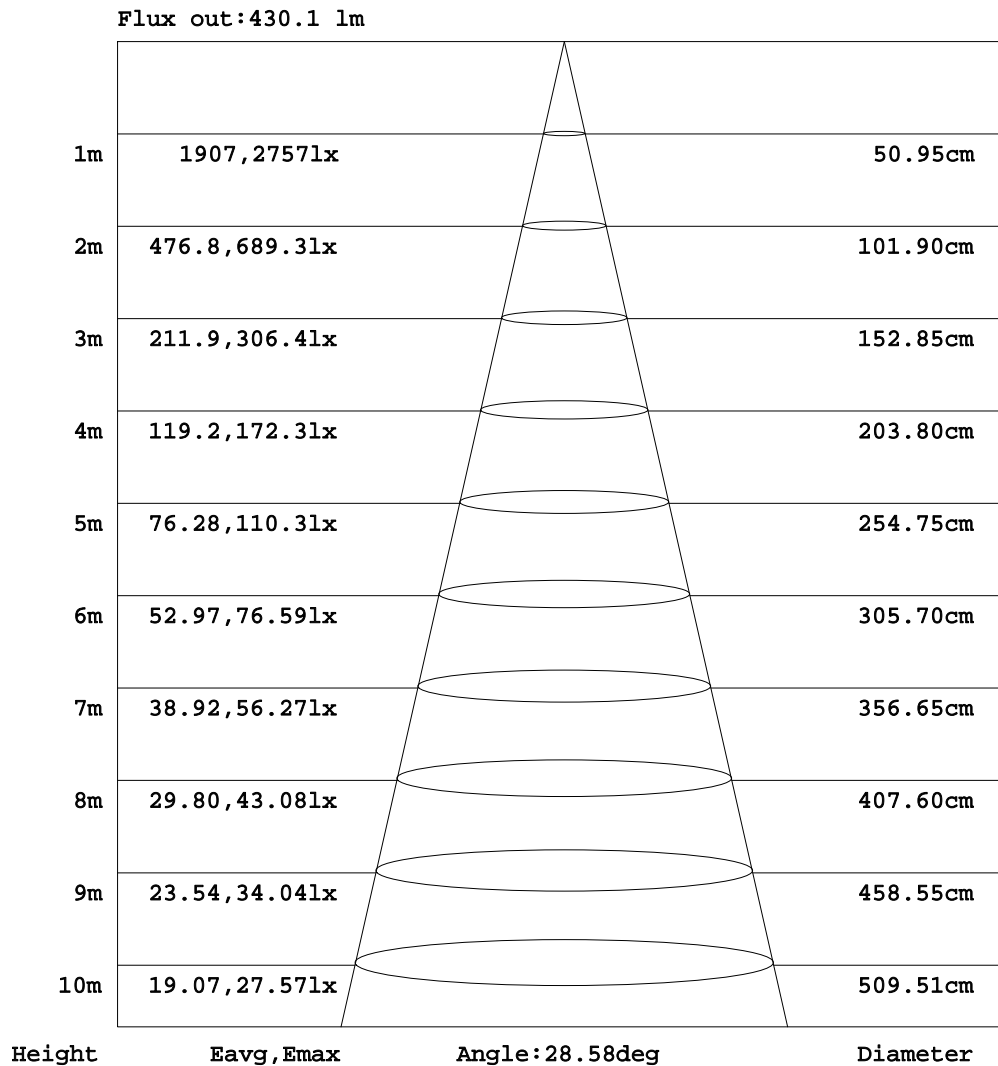


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: William
 Test Date: 2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3825]
 Remarks:

AAI Figure

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A



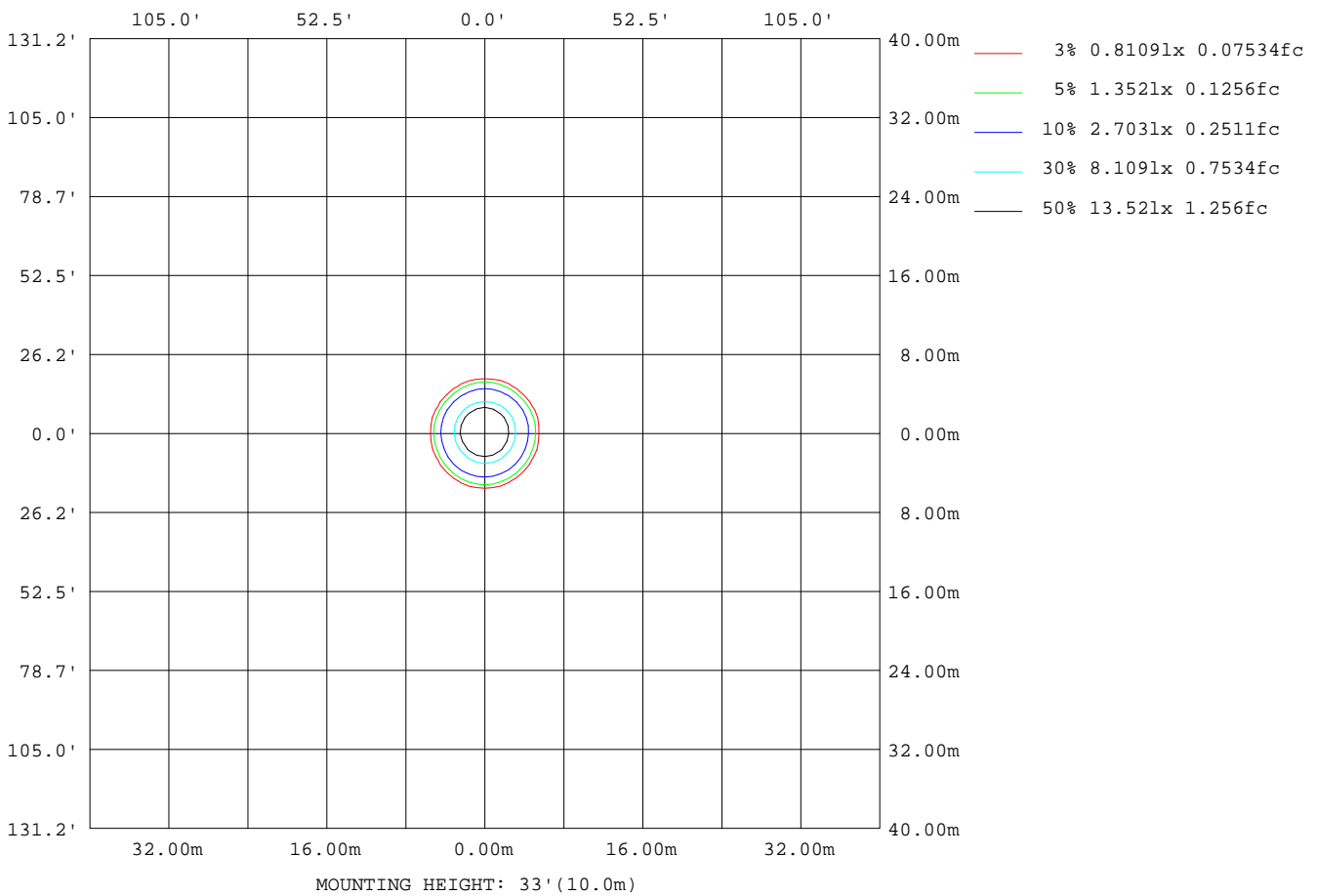
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3825]
 Remarks:

ISOLUX DIAGRAM

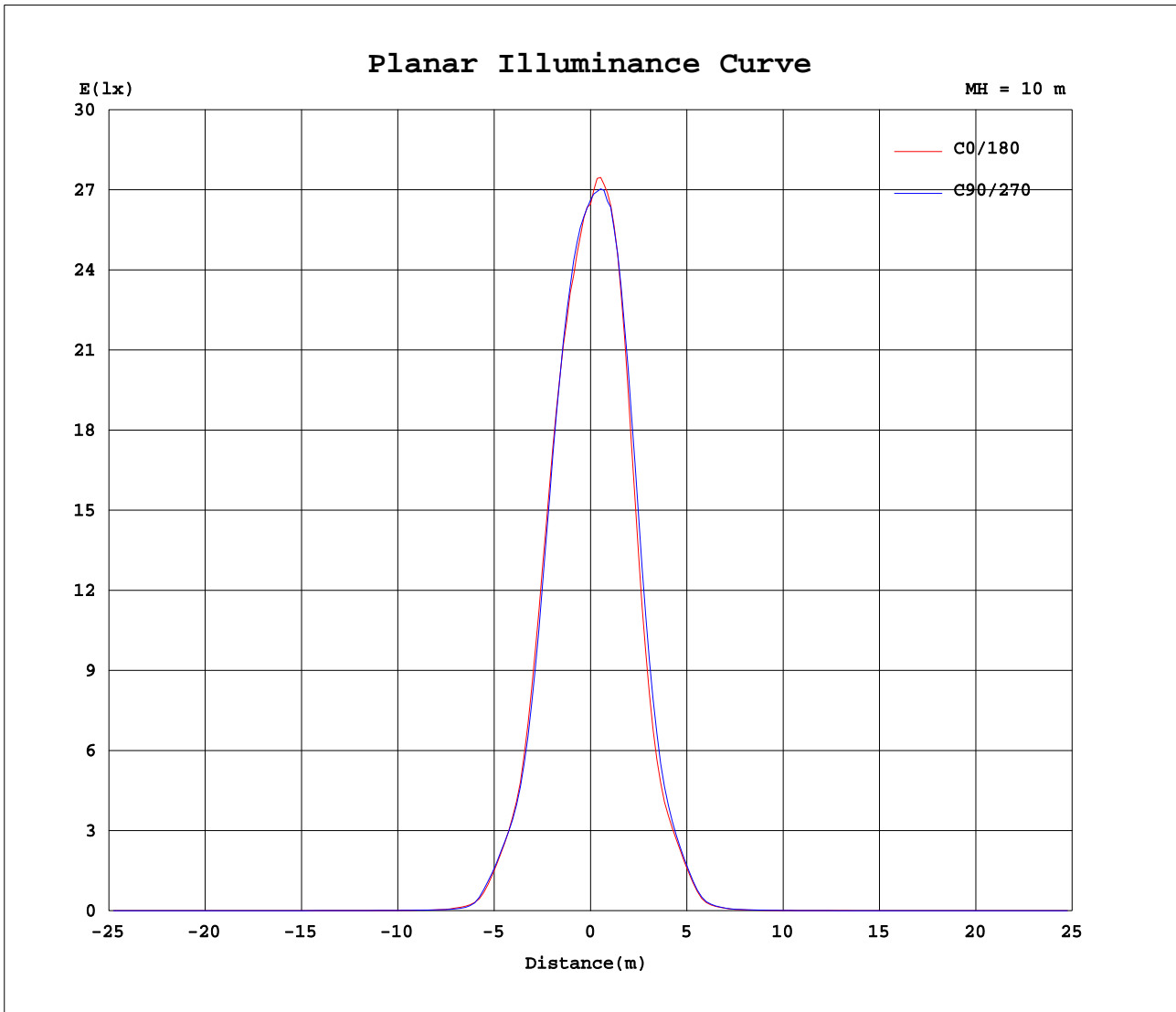
Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
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 Test Distance:26.000m [K=1.3825]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: William
Test Date: 2018-07-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.7%
Test Distance: 26.000m [K=1.3825]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.04V I:0.0486A P:10.736W PF:0.9602 Freq:50.01Hz Lamp Flux:735.473x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A

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	2654	2654	2654	2654	2654	2654	2654	2654	2654	2654	2654	2654	2654	2654	2654	2654			
5	2414	2380	2359	2406	2455	2503	2562	2643	2729	2756	2777	2754	2681	2616	2520	2438			
10	1974	1917	1905	1922	1945	1977	2026	2113	2260	2326	2362	2371	2287	2218	2102	2049			
15	1251	1210	1190	1182	1167	1166	1170	1193	1269	1344	1383	1437	1424	1410	1364	1324			
20	582	567	558	556	558	553	552	556	580	608	636	655	663	670	654	637			
25	287	287	290	294	294	305	305	295	304	312	319	311	316	316	319	313			
30	70.0	70.4	73.3	75.6	78.2	76.9	74.8	67.0	71.5	75.2	77.6	77.7	79.5	84.7	84.0	83.0			
35	19.1	18.5	18.2	17.2	13.5	16.9	17.5	17.6	17.2	20.4	21.1	21.3	18.8	22.6	22.1	21.4			
40	7.11	7.42	7.98	7.13	6.74	7.12	7.92	6.73	6.81	8.10	9.33	8.48	7.79	8.48	9.18	8.33			
45	4.15	4.37	4.82	4.30	4.20	4.44	5.12	3.95	3.77	4.35	5.25	4.51	4.05	4.34	5.40	4.67			
50	3.12	3.20	3.43	3.20	3.40	3.42	3.95	3.43	3.05	3.12	3.50	2.76	2.46	2.68	3.72	3.58			
55	2.76	2.90	2.85	2.76	2.97	3.05	2.92	3.00	2.32	2.54	2.77	2.47	2.09	2.47	2.85	2.55			
60	2.03	2.33	2.04	1.96	1.88	2.04	1.97	1.76	1.09	1.45	1.60	1.60	1.44	2.24	1.74	1.46			
65	0.80	1.10	1.17	0.66	0.51	0.59	0.73	0.73	0.00	0.28	0.44	0.07	0.43	0.43	0.58	0.14			
70	0.00	0.00	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	0.00			
75	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			
80	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			
85	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			
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	0.00	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	0.00	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			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.36	0.22	0.36	0.15	0.22	0.29	0.29			
155	0.50	0.72	0.51	0.93	0.58	0.65	0.88	0.51	1.02	1.02	0.95	0.80	0.72	0.87	0.73	0.88			
160	1.45	1.45	1.31	1.45	1.45	1.38	1.46	1.39	1.67	1.67	1.54	1.46	1.52	1.38	1.39	1.68			
165	2.10	2.32	2.19	2.18	2.39	2.25	2.26	2.19	2.32	2.33	2.19	2.26	2.24	2.33	2.19	2.27			
170	2.47	2.61	2.55	2.97	2.82	2.69	2.77	2.63	2.90	2.83	2.77	2.84	2.68	2.69	2.70	2.70			
175	3.11	3.27	3.28	3.64	3.54	3.56	3.51	3.51	3.19	3.12	3.36	3.35	3.04	3.34	3.29	3.15			
180	3.70	3.56	3.50	3.56	3.47	3.71	3.29	3.43	3.56	3.56	3.65	3.49	3.54	3.63	3.58	3.51			

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