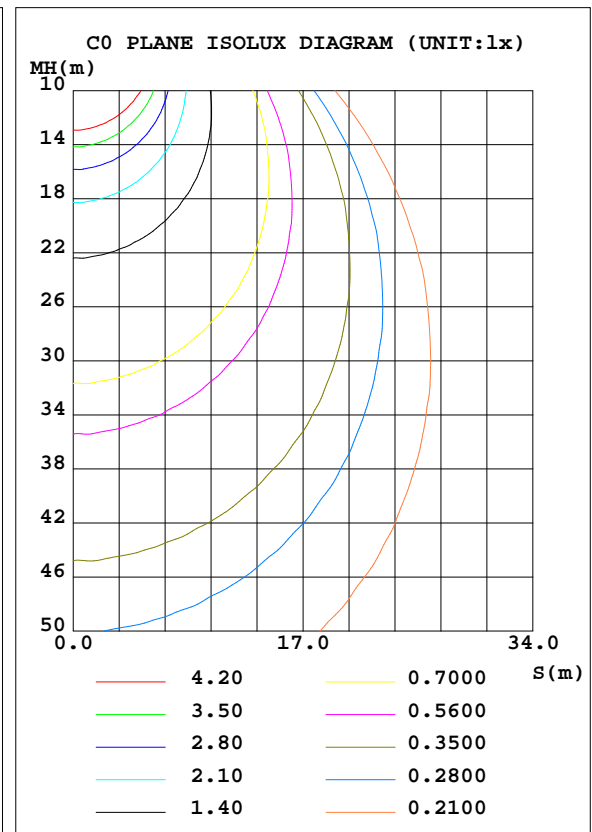
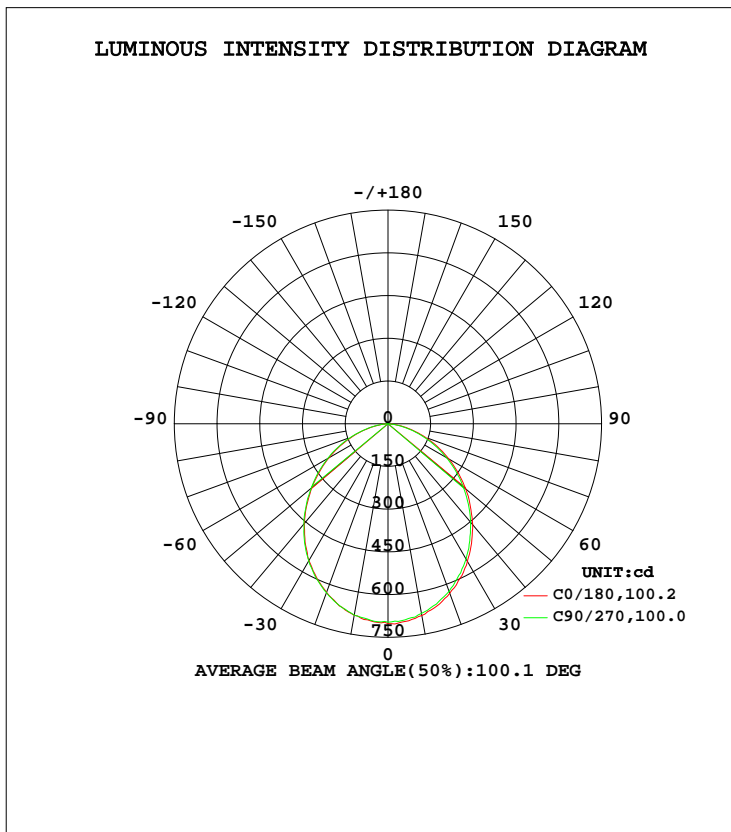


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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: 128.70 lm/W			
MODEL	LED-DLA8-15W	I _{max} (cd)	703.7	S/MH(C0/180)	1.18
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1719.1	η UP, DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	1719.11	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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	683.5	680.6	676.2	681.1	683.0	682.1	682.4	686.7	0- 10	65.87	65.87	3.83,3.83
20	633.8	629.4	626.7	627.3	630.5	630.7	631.7	637.9	10- 20	185.9	251.8	14.6,14.6
30	557.6	553.0	548.7	551.4	555.1	555.5	556.6	563.3	20- 30	274.1	525.9	30.6,30.6
40	462.5	457.7	451.1	453.2	457.1	457.6	459.4	466.2	30- 40	317.5	843.4	49.1,49.1
50	356.6	351.2	345.0	345.5	349.6	351.8	352.6	359.3	40- 50	312.4	1156	67.2,67.2
60	246.3	240.9	235.8	235.6	239.4	242.6	244.9	250.8	50- 60	265.0	1421	82.7,82.7
70	140.0	136.6	131.4	130.1	135.0	136.6	139.9	144.0	60- 70	186.7	1608	93.5,93.5
80	48.05	45.02	40.94	39.86	43.41	44.97	46.82	50.08	70- 80	93.76	1701	99,99
90	0.0048	0.0064	0	0	0	0	0	0	80- 90	16.40	1718	99.9,99.9
100	0	0	0	0	0	0	0	0	90-100	0.0001	1718	99.9,99.9
110	0	0	0	0	0.0734	0.0746	0.0746	0.0729	100-110	0.0119	1718	99.9,99.9
120	0	0	0	0	0.2904	0.2174	0.2892	0.3633	110-120	0.0880	1718	99.9,99.9
130	0	0	0	0	0.3630	0.2898	0.2901	0.2915	120-130	0.1235	1718	99.9,99.9
140	0	0	0.0723	0	0.5808	0.3623	0.5765	0.5813	130-140	0.1583	1718	99.9,99.9
150	0.3629	0.2910	0.3614	0.2910	0.8712	0.7971	0.7952	0.8017	140-150	0.2476	1718	100,100
160	0.5081	0.5782	0.5060	0.3644	1.016	1.087	1.084	1.025	150-160	0.3042	1719	100,100
170	0.7986	1.159	1.153	1.236	1.233	1.302	1.229	1.312	160-170	0.2612	1719	100,100
180	1.162	1.377	1.229	1.385	1.452	1.303	1.374	1.312	170-180	0.1191	1719	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1003.2 lm

%lum = 58.4%
%lamp = 58.4%

Conical surface Flux(120deg): 1420.9 lm

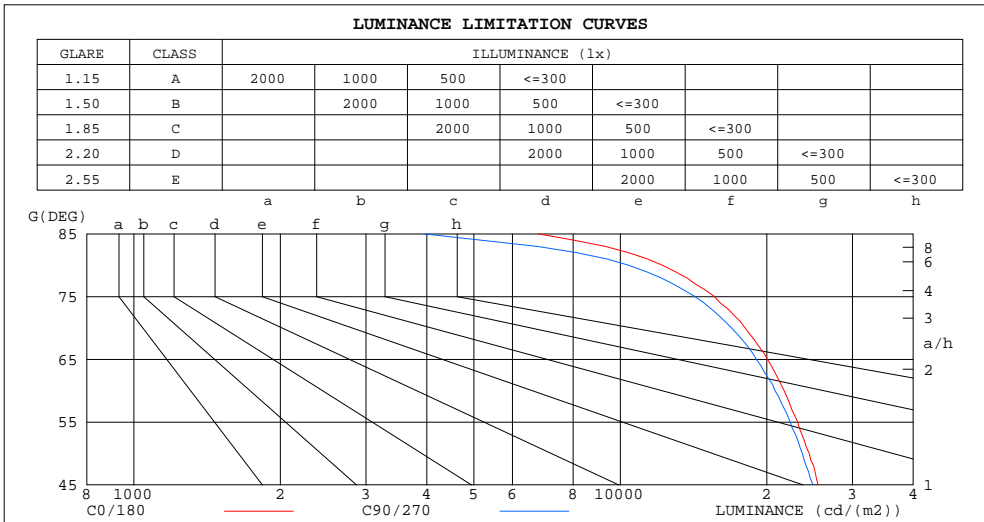
%lum = 82.7%
%lamp = 82.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:William
Test Date:2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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	6778	3940
80	12196	10393
75	15610	14227
70	18044	16937
65	20063	19046
60	21714	20792
55	23151	22349
50	24453	23660
45	25492	24910

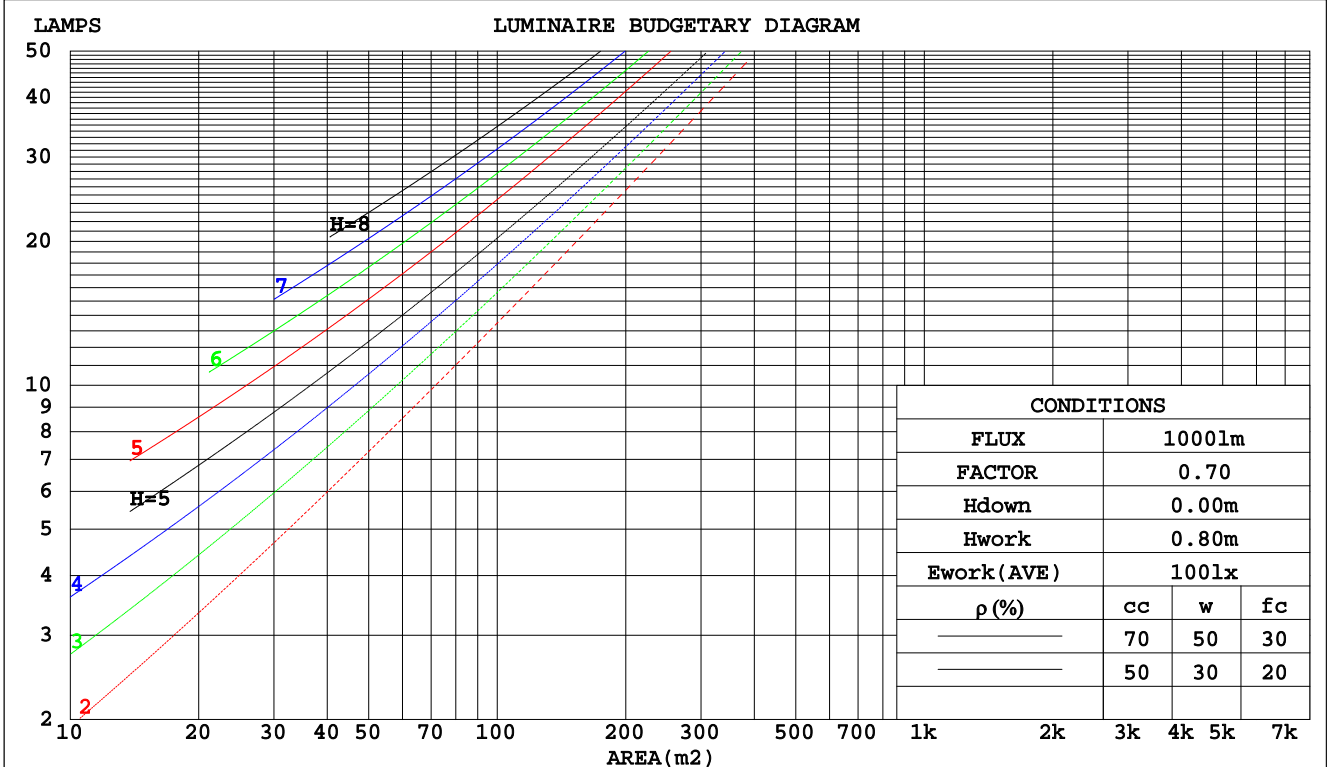
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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%	
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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.43	.41
7.0	.53	.45	.39	.53	.45	.39	.51	.44	.38	.50	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.34	.44	.39	.34	.32
9.0	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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	.286	.163	.052	.279	.159	.051	.266	.153	.049	.254	.146	.047	.243	.141	.045	
2.0	.274	.150	.046	.268	.147	.045	.256	.142	.044	.245	.138	.043	.236	.133	.042	
3.0	.256	.136	.041	.251	.134	.040	.240	.130	.040	.231	.127	.039	.222	.123	.038	
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.036	.216	.116	.035	.208	.113	.034	
5.0	.221	.113	.033	.217	.111	.032	.209	.109	.032	.202	.106	.032	.195	.104	.031	
6.0	.206	.103	.030	.202	.102	.029	.195	.100	.029	.189	.098	.029	.182	.096	.028	
7.0	.193	.095	.027	.189	.094	.027	.183	.092	.027	.177	.091	.026	.171	.089	.026	
8.0	.180	.088	.025	.177	.087	.025	.172	.086	.024	.166	.084	.024	.161	.083	.024	
9.0	.169	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.022	.152	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.072	.021	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.179	.157	.137	.153	.135	.118	.105	.093	.081	.060	.054	.047	.019	.017	.015	
2.0	.170	.133	.101	.146	.114	.087	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.162	.115	.077	.139	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.101	.061	.133	.088	.053	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.091	.049	.127	.079	.043	.087	.055	.030	.050	.032	.018	.016	.011	.006	
6.0	.140	.082	.041	.121	.071	.036	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.035	.115	.065	.030	.079	.046	.021	.046	.027	.013	.015	.009	.004	
8.0	.127	.070	.030	.110	.060	.026	.076	.042	.019	.044	.025	.011	.014	.008	.004	
9.0	.121	.065	.026	.105	.056	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.015	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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	23.6	25.1	23.9	25.3	25.5	23.5	25.0	23.8	25.2	25.4
3H	24.9	26.2	25.2	26.5	26.7	24.7	26.0	25.0	26.3	26.5
4H	25.3	26.6	25.6	26.8	27.1	25.1	26.4	25.4	26.6	26.9
6H	25.6	26.8	25.9	27.0	27.3	25.3	26.5	25.6	26.8	27.1
8H	25.6	26.8	26.0	27.1	27.4	25.3	26.5	25.7	26.8	27.0
12H	25.6	26.7	26.0	27.0	27.3	25.3	26.4	25.6	26.7	27.0
4H 2H	24.1	25.4	24.4	25.7	25.9	24.0	25.3	24.3	25.6	25.8
3H	25.6	26.7	25.9	27.0	27.3	25.4	26.5	25.7	26.8	27.1
4H	26.1	27.1	26.5	27.4	27.8	25.9	26.9	26.3	27.2	27.6
6H	26.5	27.4	26.9	27.7	28.1	26.2	27.1	26.6	27.5	27.8
8H	26.5	27.4	26.9	27.7	28.1	26.2	27.1	26.7	27.5	27.8
12H	26.6	27.3	27.0	27.7	28.1	26.2	27.0	26.7	27.4	27.8
8H 4H	26.3	27.1	26.7	27.5	27.9	26.1	26.9	26.5	27.3	27.7
6H	26.7	27.4	27.2	27.8	28.2	26.5	27.2	26.9	27.6	28.0
8H	26.9	27.5	27.3	27.9	28.3	26.6	27.2	27.0	27.6	28.1
12H	26.9	27.4	27.4	27.9	28.3	26.6	27.1	27.1	27.5	28.0
12H 4H	26.3	27.0	26.7	27.4	27.8	26.1	26.8	26.5	27.2	27.6
6H	26.7	27.3	27.2	27.8	28.2	26.5	27.1	27.0	27.5	28.0
8H	26.9	27.4	27.4	27.9	28.3	26.6	27.1	27.1	27.6	28.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 1719 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.9)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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

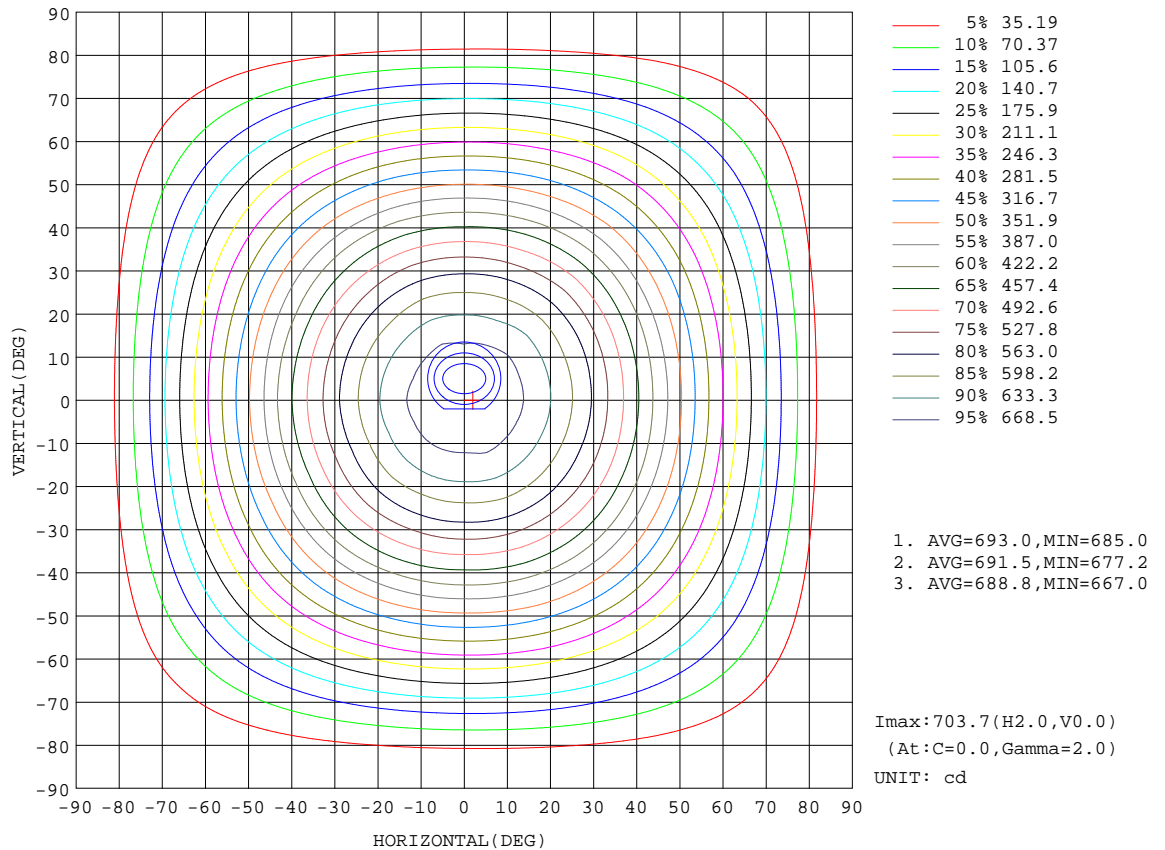
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	42	59	49	42	58	48	42	36
0.80	70	59	52	69	59	52	67	58	51	45
1.00	78	68	61	77	67	61	75	69	60	53
1.25	85	76	69	84	75	68	81	73	68	61
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	85	81	73
2.50	100	93	88	98	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	103	100	97	88
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:2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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

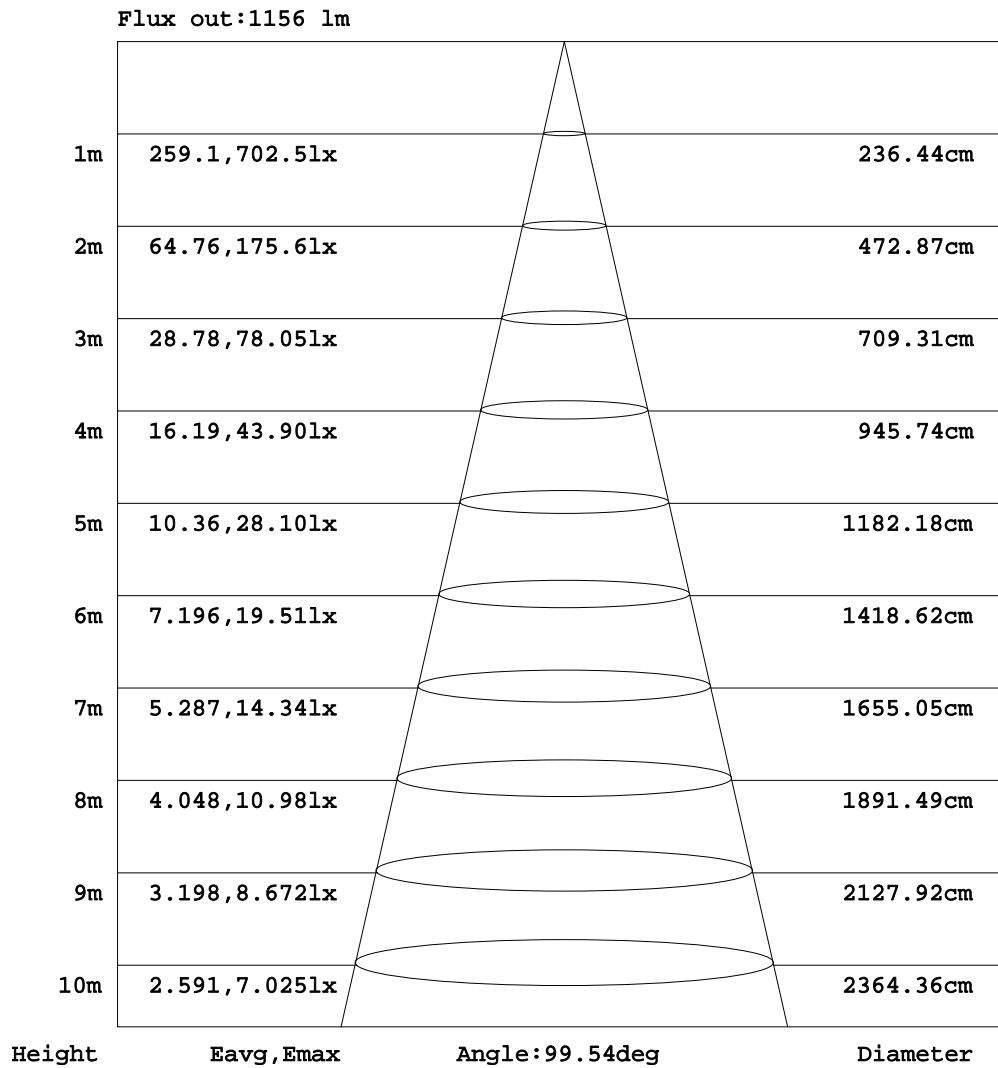


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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



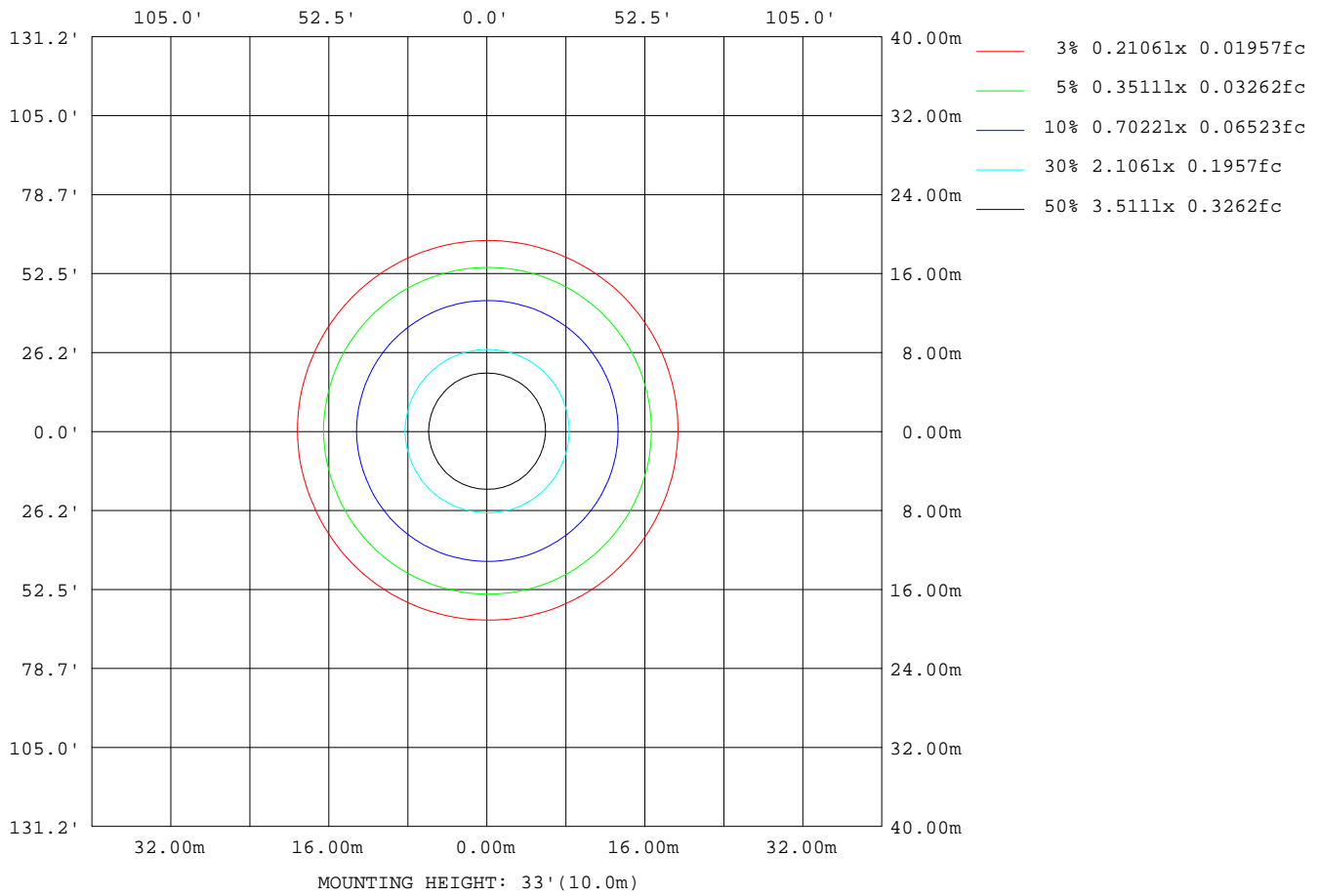
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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

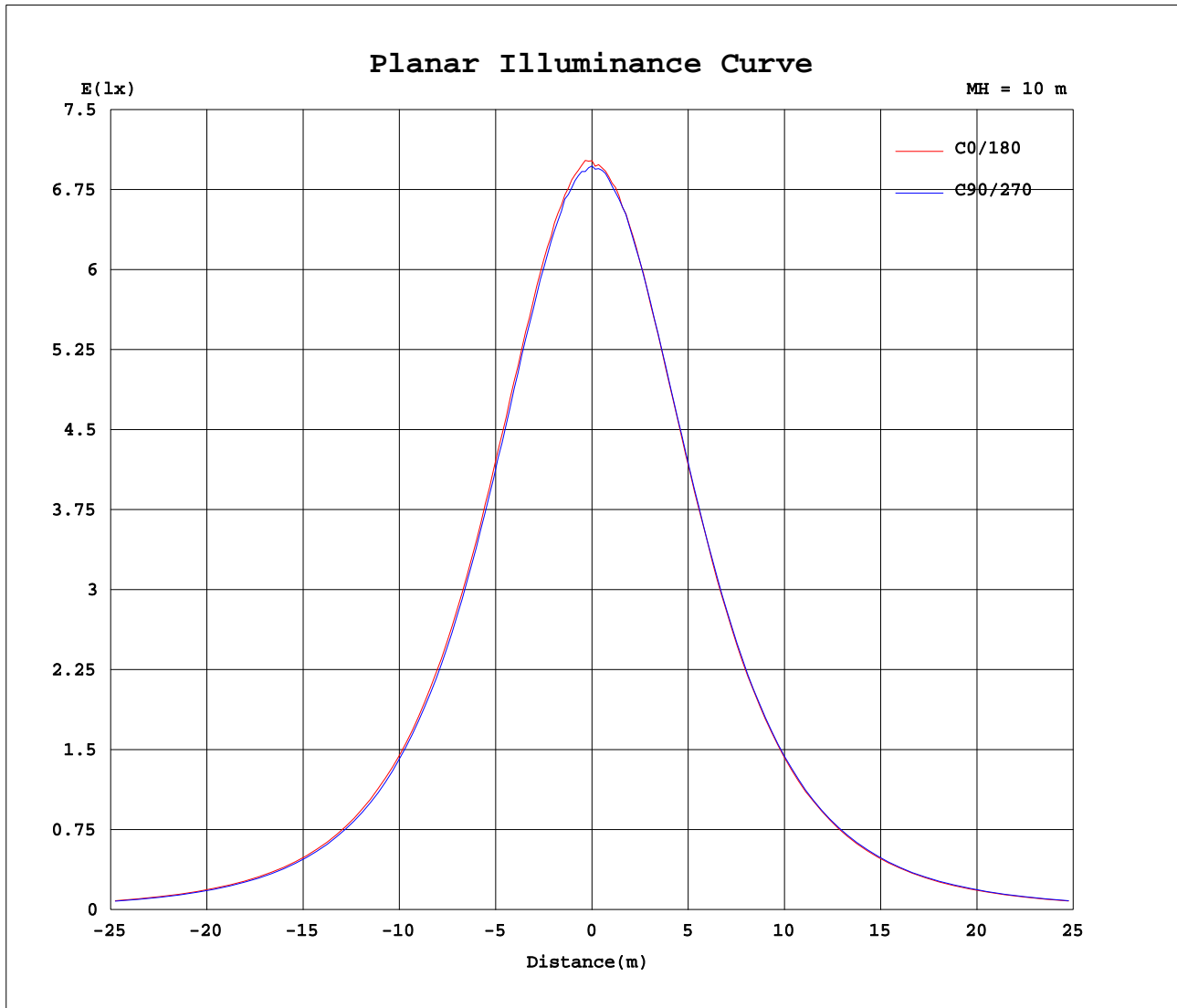
Test:U:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 lm		
NAME: LED DOWNLIGHT	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Hairun Optoelectronics Co., Ltd	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2018-06-25

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: William
Test Date: 2018-06-25

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:220.03V I:0.0626A P:13.358W PF:0.9702 Freq:50.00Hz Lamp Flux:1719.11x1 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	702	697	700	701	697	699	702	701	702	697	700	701	697	699	702	701			
5	697	694	695	693	691	693	696	695	695	693	693	695	693	695	698	695			
10	684	682	681	681	676	677	681	682	683	679	682	684	682	684	687	684			
15	663	656	659	658	656	655	660	654	662	659	660	663	660	662	666	663			
20	634	631	629	630	627	625	627	629	631	630	631	634	632	632	638	635			
25	599	596	595	595	588	590	593	589	595	595	595	600	598	599	604	600			
30	558	554	553	554	549	549	551	547	555	553	556	558	557	559	563	562			
35	512	509	508	507	501	501	503	504	507	508	509	511	511	511	518	515			
40	463	459	458	456	451	453	453	451	457	455	458	462	459	464	466	464			
45	409	407	406	403	400	399	400	399	403	403	404	408	407	410	413	411			
50	357	353	351	350	345	345	346	345	350	349	352	352	353	355	359	357			
55	301	298	296	296	291	290	291	290	293	295	296	299	299	302	304	304			
60	246	244	241	240	236	235	236	236	239	240	243	244	245	247	251	250			
65	192	190	188	185	183	182	183	182	187	187	189	191	192	194	196	196			
70	140	139	137	135	131	130	130	131	135	135	137	139	140	142	144	144			
75	91.7	89.8	88.2	86.0	83.5	82.5	82.3	82.4	86.2	86.9	88.1	89.9	91.2	92.7	94.3	94.1			
80	48.0	46.7	45.0	43.1	40.9	40.0	39.9	40.2	43.4	43.9	45.0	46.0	46.8	48.5	50.1	50.7			
85	13.4	12.6	11.0	8.86	7.79	7.62	7.96	8.40	9.94	10.4	10.4	9.78	9.86	11.5	13.6	14.8			
90	0.00	0.02	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			
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	0.07	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.07	0.14	0.07	0.07	0.07	0.07			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.15	0.15	0.15	0.14	0.22	0.15	0.15			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.22	0.22	0.29	0.22	0.36	0.22			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.22	0.22	0.29	0.22	0.29	0.29			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.36	0.29	0.36	0.29	0.29	0.29	0.29			
135	0.00	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.44	0.43	0.29	0.36	0.50	0.44	0.51	0.36			
140	0.00	0.07	0.00	0.14	0.07	0.07	0.00	0.00	0.58	0.51	0.36	0.51	0.58	0.51	0.58	0.51			
145	0.22	0.14	0.22	0.15	0.21	0.22	0.07	0.07	0.65	0.58	0.51	0.65	0.72	0.66	0.58	0.66			
150	0.36	0.29	0.29	0.36	0.36	0.36	0.29	0.22	0.87	0.72	0.80	0.80	0.80	0.87	0.80	0.80			
155	0.36	0.43	0.36	0.51	0.43	0.50	0.36	0.36	0.94	0.87	0.87	0.87	1.01	0.94	0.95	0.94			
160	0.51	0.51	0.58	0.51	0.51	0.44	0.36	0.44	1.02	1.01	1.09	0.87	1.08	1.02	1.02	1.02			
165	0.65	0.72	0.80	0.87	0.79	0.72	0.66	0.72	1.09	1.16	1.09	1.16	1.23	1.23	1.17	1.09			
170	0.80	0.94	1.16	1.09	1.15	1.16	1.24	1.09	1.23	1.16	1.30	1.31	1.23	1.23	1.31	1.23			
175	1.01	1.16	1.38	1.31	1.23	1.23	1.38	1.31	1.38	1.23	1.38	1.38	1.30	1.23	1.31	1.45			
180	1.16	1.37	1.38	1.38	1.23	1.31	1.38	1.45	1.45	1.16	1.30	1.38	1.37	1.23	1.31	1.38			

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