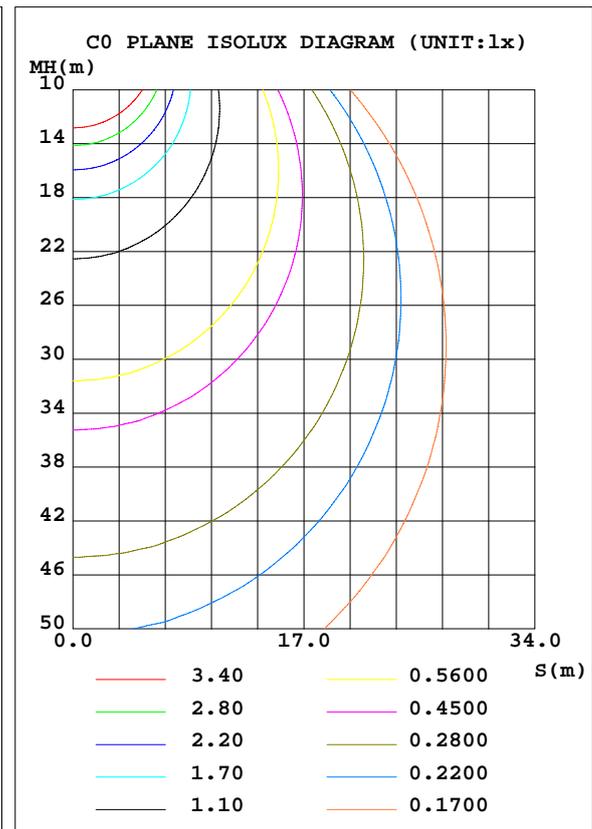
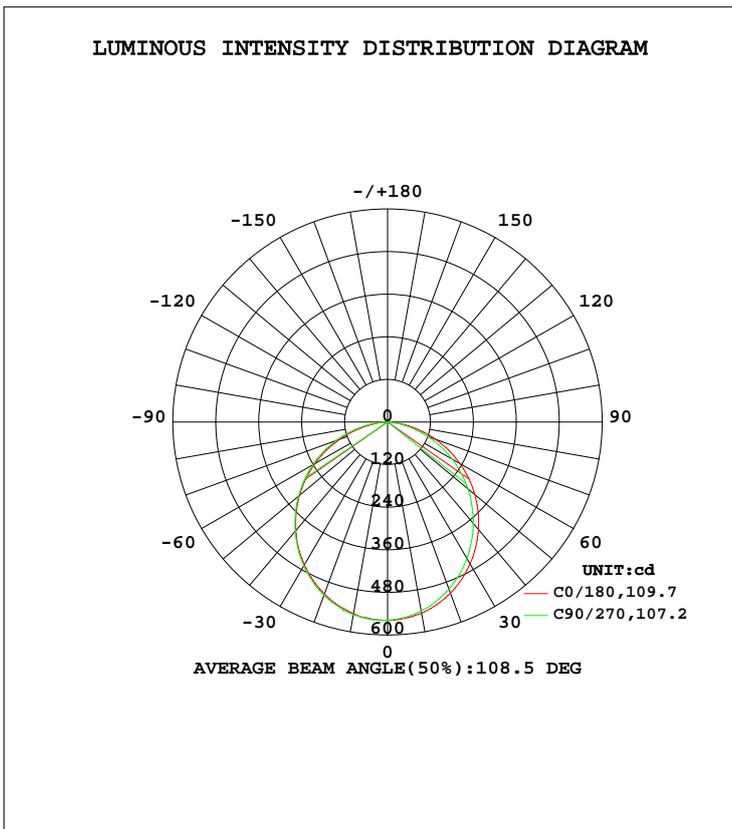


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	RSZ190524817-10	Imax(cd)	559.7	S/MH(C0/180)	1.23
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1518.8	η UP, DN(C0-180)	0.1,51.6
NOMINAL FLUX(lm)	1518.84	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,48.3
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	548.2	551.4	551.4	548.8	547.1	542.3	540.8	544.6	0- 10	52.74	52.74	3.47,3.47
20	516.0	521.0	519.3	517.3	513.5	504.3	501.5	508.2	10- 20	150.1	202.8	13.4,13.4
30	464.9	470.8	468.0	465.4	461.2	449.0	444.1	453.7	20- 30	224.8	427.6	28.2,28.2
40	399.3	404.6	402.0	399.5	395.4	380.1	372.6	385.0	30- 40	267.3	694.9	45.8,45.8
50	321.3	328.0	324.9	322.8	318.4	301.3	293.6	306.6	40- 50	273.4	968.3	63.8,63.8
60	235.0	243.0	241.3	238.3	233.5	215.9	208.8	220.8	50- 60	243.8	1212	79.8,79.8
70	142.2	152.1	153.2	148.8	142.6	125.9	120.0	130.0	60- 70	182.8	1395	91.8,91.8
80	51.28	62.28	65.86	60.57	52.93	41.32	37.89	43.71	70- 80	99.84	1495	98.4,98.4
90	0.0955	2.858	3.815	2.662	0.0313	0.0290	0.0314	0.0298	80- 90	22.44	1517	99.9,99.9
100	0.1502	0.1829	0.1647	0.2018	0.0667	0.1441	0.1082	0.1128	90-100	0.1843	1517	99.9,99.9
110	0.1672	0.1764	0.1779	0.1887	0.0985	0.1369	0.1236	0.1173	100-110	0.1509	1518	99.9,99.9
120	0.1987	0.1980	0.2029	0.2091	0.1407	0.1647	0.1576	0.1498	110-120	0.1585	1518	99.9,99.9
130	0.2780	0.2764	0.2868	0.2884	0.1946	0.2129	0.2035	0.1945	120-130	0.1837	1518	99.9,99.9
140	0.4223	0.4533	0.4656	0.4533	0.2406	0.2583	0.2561	0.2409	130-140	0.2237	1518	100,100
150	0.5964	0.6686	0.6777	0.6557	0.2756	0.2896	0.3006	0.2884	140-150	0.2578	1518	100,100
160	0.7491	0.7756	0.7843	0.7690	0.3665	0.3652	0.3619	0.3481	150-160	0.2422	1519	100,100
170	0.6912	0.7047	0.6960	0.6874	0.4453	0.4216	0.4074	0.4035	160-170	0.1611	1519	100,100
180	0.5850	0.5549	0.5398	0.5715	0.5845	0.5660	0.5350	0.5421	170-180	0.0529	1519	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 8.9 %								UNIT:lm			

Conical surface Flux(90deg): 833.15 lm

%lum = 54.9%

%lamp = 54.9%

Conical surface Flux(120deg): 1212.1 lm

%lum = 79.8%

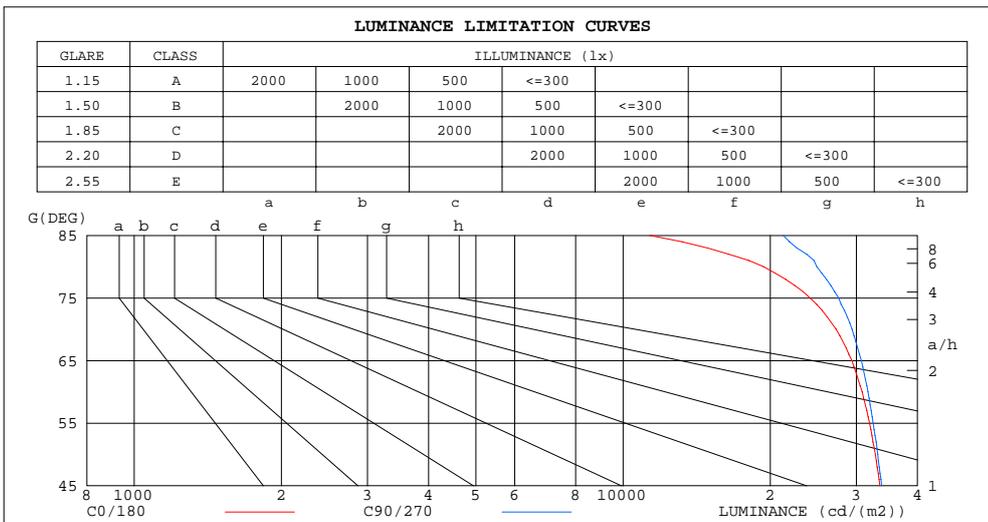
%lamp = 79.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11331	21247
80	19373	24896
75	24129	27598
70	27275	29397
65	29369	30707
60	30836	31683
55	31915	32475
50	32798	33179
45	33520	33806

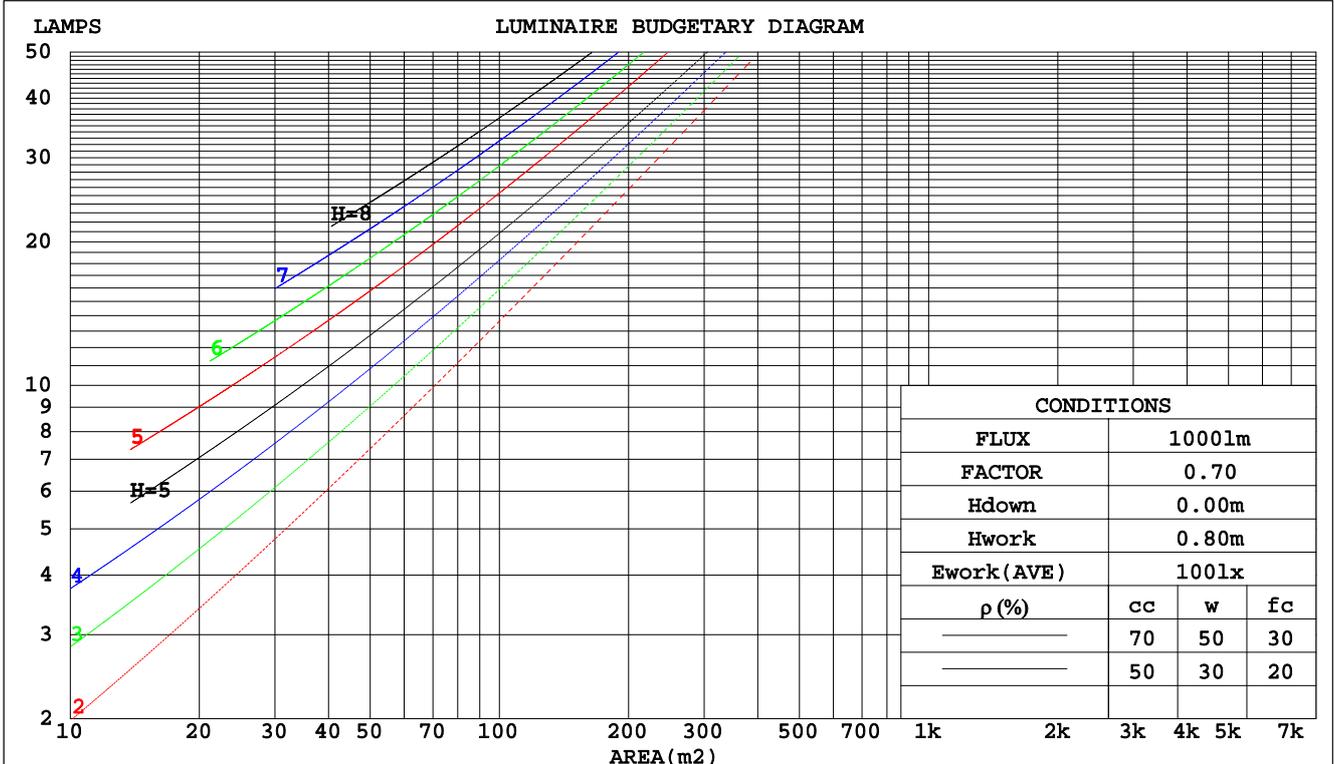
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120

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	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59
4.0	.71	.62	.55	.70	.61	.55	.67	.60	.54	.65	.59	.54	.63	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.48	.60	.53	.47	.58	.52	.46	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120

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	.302	.172	.054	.295	.168	.053	.282	.162	.052	.269	.155	.050	.258	.150	.048	
2.0	.286	.157	.048	.280	.154	.048	.268	.149	.046	.258	.144	.045	.248	.140	.044	
3.0	.266	.142	.042	.260	.139	.042	.250	.136	.041	.241	.132	.040	.232	.128	.040	
4.0	.246	.128	.038	.241	.126	.037	.232	.123	.037	.223	.120	.036	.216	.117	.036	
5.0	.228	.116	.034	.224	.115	.033	.215	.112	.033	.208	.110	.033	.201	.107	.032	
6.0	.212	.106	.030	.208	.105	.030	.200	.103	.030	.194	.101	.030	.187	.099	.029	
7.0	.197	.097	.028	.194	.096	.027	.187	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.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	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.172	.133	.099	.148	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.076	.141	.099	.066	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.060	.135	.088	.052	.093	.061	.036	.054	.036	.022	.017	.012	.007	
5.0	.150	.091	.048	.128	.079	.042	.088	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.142	.083	.040	.122	.072	.035	.084	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm										
NAME: END-MULTI-120V-02FT					TYPE: LED Fixture			WEIGHT: N/A		
SPEC.: 20W					DIM.: 620*28*25 (MM)			SERIAL No.: 001		
MFR.: Flexfire LEDs, Inc.					SUR.: N/A			Shielding Angle: 120		
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	25.1	26.6	25.3	26.8	27.0	25.1	26.6	25.4	26.8	27.0
3H	26.5	27.9	26.8	28.1	28.4	26.7	28.1	27.0	28.3	28.5
4H	27.1	28.4	27.4	28.6	28.9	27.3	28.6	27.6	28.9	29.1
6H	27.4	28.6	27.7	28.9	29.2	27.8	29.0	28.1	29.3	29.6
8H	27.4	28.6	27.8	28.9	29.2	27.9	29.1	28.2	29.4	29.7
12H	27.5	28.6	27.8	28.9	29.2	28.0	29.1	28.3	29.4	29.7
4H 2H	25.7	27.0	26.0	27.3	27.5	25.7	27.1	26.1	27.3	27.6
3H	27.3	28.5	27.7	28.8	29.1	27.5	28.6	27.8	28.9	29.2
4H	28.0	29.1	28.4	29.4	29.7	28.2	29.3	28.6	29.6	29.9
6H	28.4	29.4	28.8	29.7	30.1	28.8	29.8	29.2	30.1	30.5
8H	28.6	29.4	29.0	29.8	30.2	29.0	29.9	29.4	30.3	30.6
12H	28.6	29.4	29.0	29.8	30.2	29.1	29.9	29.6	30.3	30.7
8H 4H	28.3	29.2	28.7	29.5	29.9	28.5	29.4	28.9	29.7	30.1
6H	28.9	29.6	29.3	30.0	30.4	29.2	29.9	29.7	30.3	30.8
8H	29.0	29.7	29.5	30.1	30.6	29.5	30.1	30.0	30.6	31.0
12H	29.1	29.7	29.6	30.1	30.6	29.7	30.3	30.2	30.7	31.2
12H 4H	28.3	29.1	28.7	29.5	29.9	28.5	29.3	28.9	29.7	30.1
6H	28.9	29.6	29.4	30.0	30.5	29.3	29.9	29.7	30.3	30.8
8H	29.1	29.7	29.6	30.1	30.6	29.6	30.1	30.1	30.6	31.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1519 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.5)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120

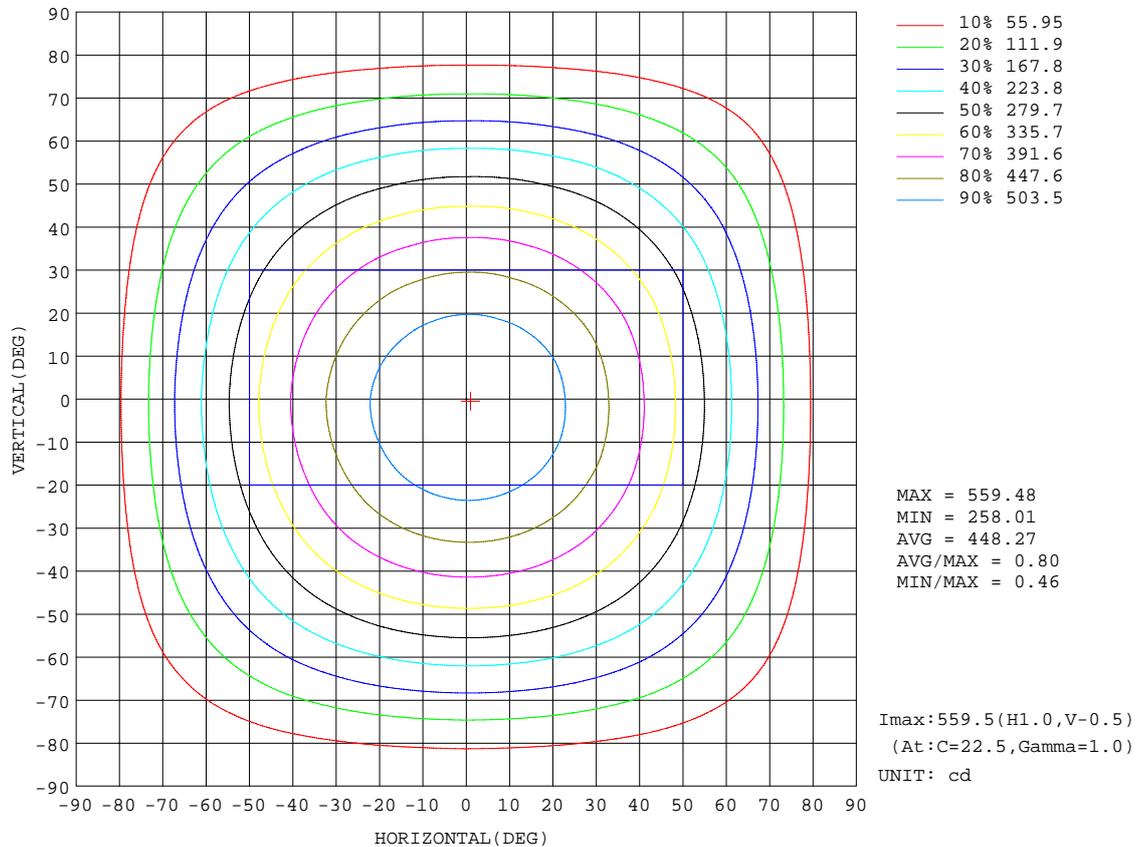
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	58	75	65	58	73	66	58	51
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	76	70	63
2.00	95	87	81	94	86	80	90	84	78	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	91	100	94	89	96	91	87	79
4.00	107	101	96	104	99	95	100	96	92	84
5.00	109	104	100	107	102	99	102	99	96	87
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:25.3DEG
 Test Date:2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120



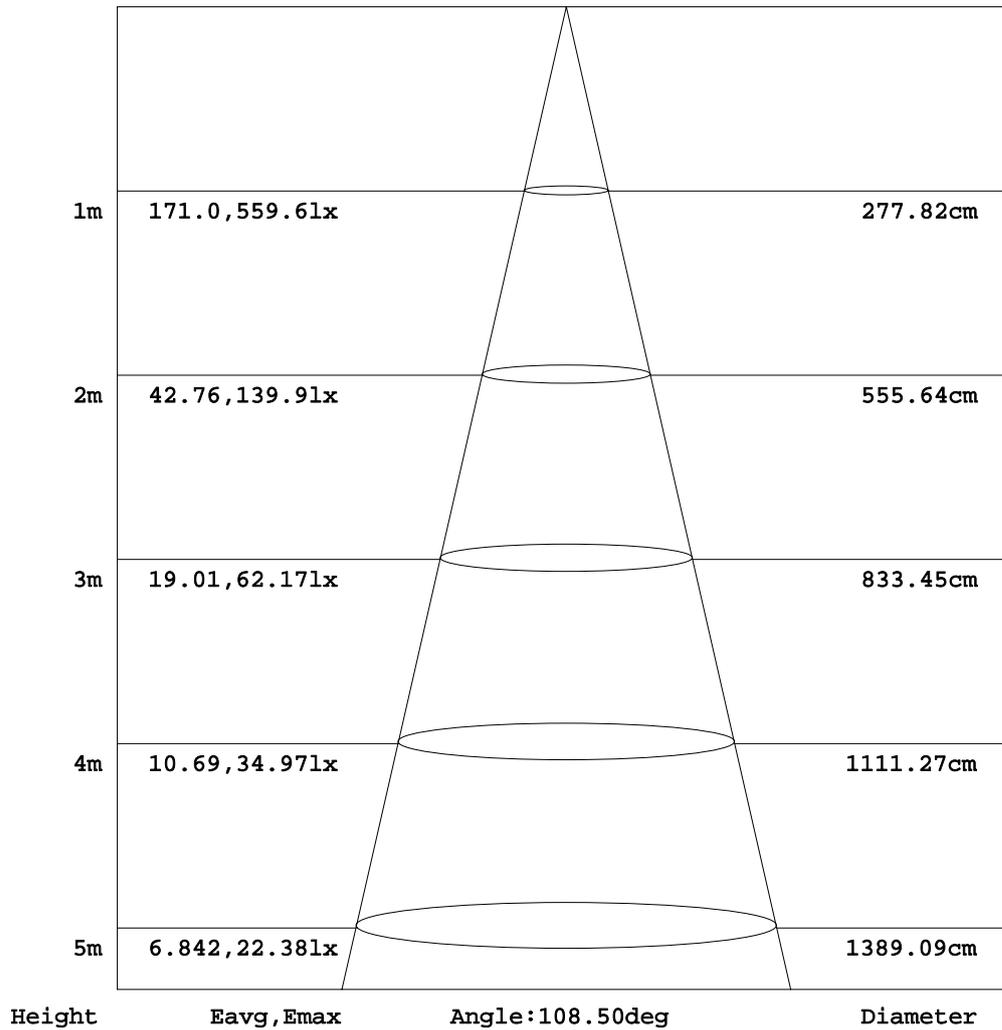
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120

Flux out:1096 lm



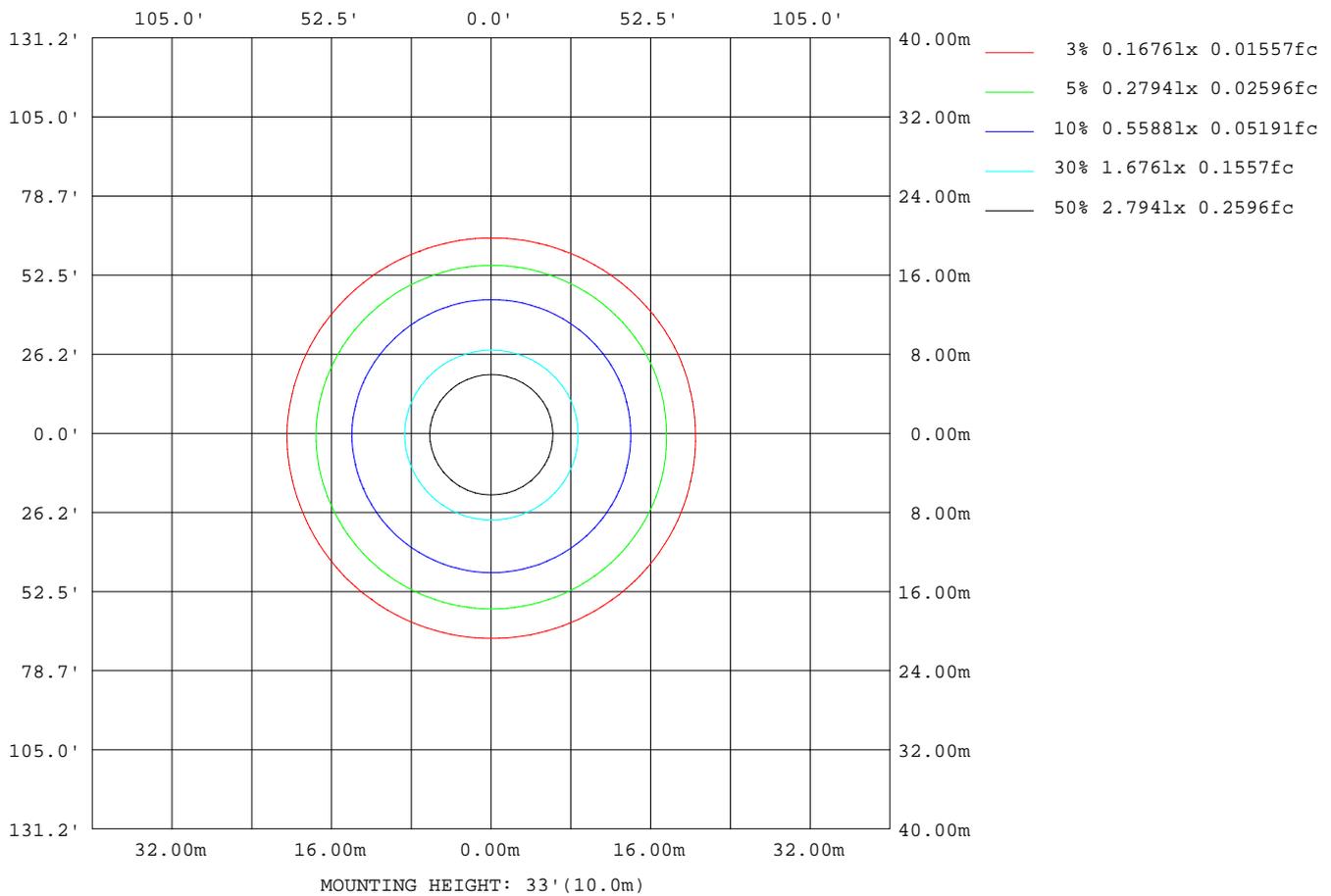
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120

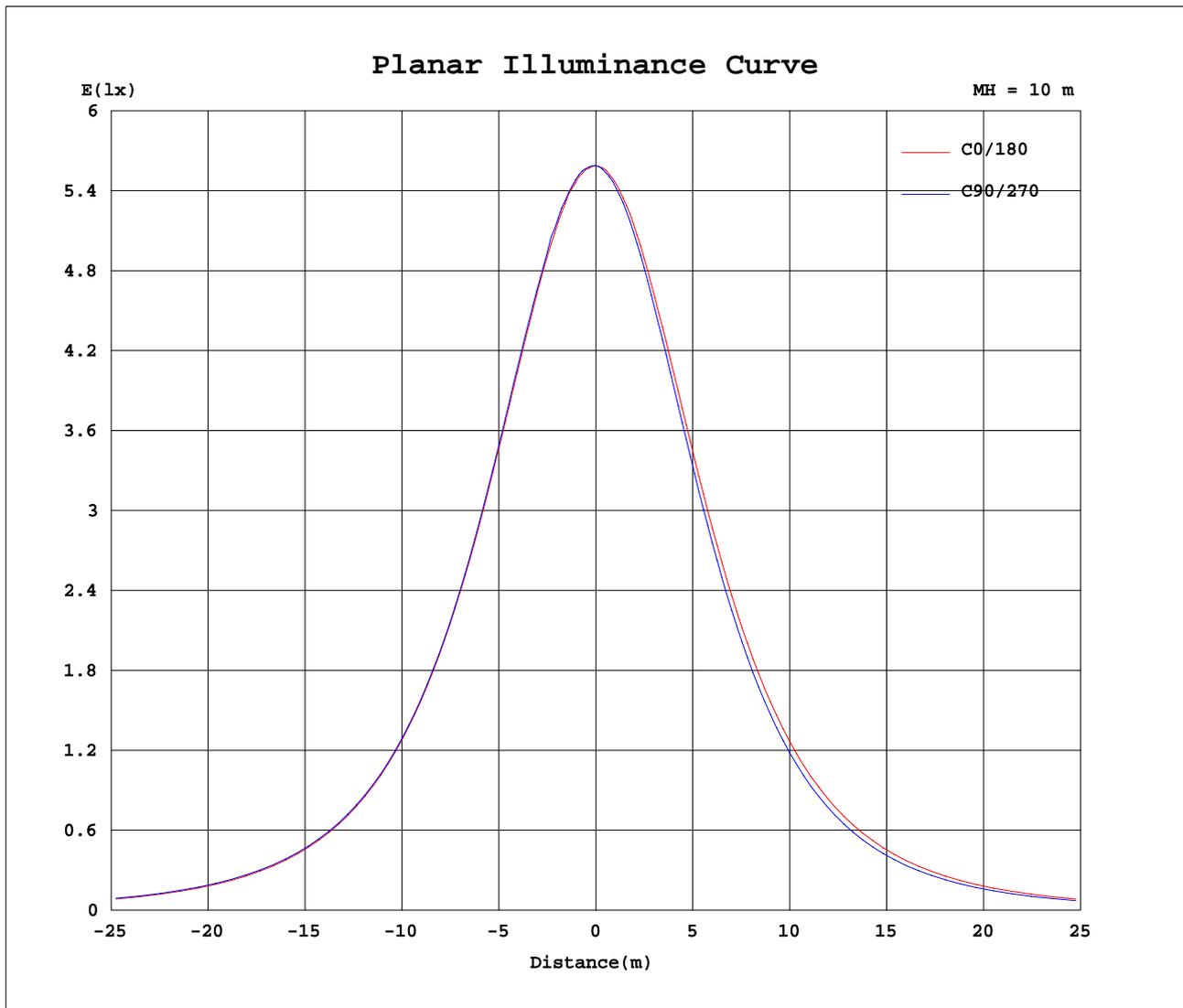
AvgL	cd/m2
L_0~180(65)av	29316
L_0~180(75)av	24254
L_0~180(85)av	12431
L_90~270(65)av	28118
L_90~270(75)av	23530
L_90~270(85)av	14362
L_45(65)av	28678
L_45(75)av	23865
L_45(85)av	13386

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:10.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2019-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1587A P:18.93W PF:0.9943 Lamp Flux:1518.84x1 lm		
NAME: END-MULTI-120V-02FT	TYPE: LED Fixture	WEIGHT: N/A
SPEC.: 20W	DIM.: 620*28*25 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: N/A	Shielding Angle: 120

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	559	559	559	559	559	559	559	559	559	559	559	559	559	559	559	559			
5	557	557	558	558	558	558	557	556	555	554	553	553	553	554	554	556			
10	548	550	551	551	551	550	549	547	547	544	542	541	541	543	545	547			
15	535	537	538	539	537	538	536	534	532	529	526	524	524	527	529	533			
20	516	519	521	521	519	519	517	514	513	508	504	502	502	504	508	514			
25	492	496	498	498	495	496	493	491	489	483	478	475	474	478	483	490			
30	465	469	471	470	468	467	465	463	461	455	449	444	444	447	454	461			
35	434	438	439	438	436	436	434	431	430	423	416	410	409	414	421	430			
40	399	404	405	403	402	401	399	396	395	387	380	374	373	377	385	395			
45	361	366	367	366	364	364	362	359	358	350	341	335	334	339	347	358			
50	321	327	328	327	325	324	323	319	318	310	301	295	294	298	307	317			
55	279	285	286	285	284	283	281	278	277	268	259	253	252	256	265	275			
60	235	241	243	243	241	240	238	235	233	225	216	210	209	213	221	231			
65	189	195	198	199	198	197	194	190	189	180	171	166	165	169	176	186			
70	142	149	152	153	153	152	149	144	143	134	126	121	120	123	130	140			
75	95.2	102	106	109	109	107	104	97.9	96.3	88.4	81.7	77.8	76.9	79.6	85.1	92.9			
80	51.3	57.6	62.3	65.2	65.9	64.3	60.6	54.8	52.9	46.3	41.3	38.4	37.9	39.7	43.7	49.6			
85	15.1	19.9	24.4	27.3	28.2	26.9	23.4	18.6	18.0	13.7	11.1	10.0	9.97	10.6	12.3	15.5			
90	0.10	0.18	2.86	3.56	3.82	3.52	2.66	0.17	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
95	0.12	0.18	0.22	0.17	0.11	0.17	0.25	0.19	0.05	0.15	0.19	0.13	0.06	0.08	0.15	0.11			
100	0.15	0.16	0.18	0.16	0.16	0.18	0.20	0.17	0.07	0.11	0.14	0.13	0.11	0.11	0.11	0.09			
105	0.16	0.16	0.18	0.17	0.17	0.18	0.19	0.18	0.08	0.11	0.13	0.13	0.11	0.11	0.11	0.10			
110	0.17	0.17	0.18	0.17	0.18	0.18	0.19	0.18	0.10	0.11	0.14	0.14	0.12	0.12	0.12	0.11			
115	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.11	0.13	0.15	0.15	0.14	0.13	0.13	0.12			
120	0.20	0.20	0.20	0.19	0.20	0.20	0.21	0.21	0.14	0.15	0.16	0.17	0.16	0.15	0.15	0.14			
125	0.23	0.23	0.23	0.22	0.24	0.24	0.24	0.24	0.17	0.17	0.19	0.19	0.18	0.17	0.17	0.16			
130	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.28	0.19	0.20	0.21	0.22	0.20	0.21	0.19	0.20			
135	0.34	0.34	0.35	0.34	0.36	0.36	0.36	0.34	0.22	0.22	0.24	0.24	0.23	0.23	0.22	0.22			
140	0.42	0.43	0.45	0.45	0.47	0.46	0.45	0.42	0.24	0.23	0.26	0.26	0.26	0.25	0.24	0.24			
145	0.52	0.54	0.57	0.58	0.60	0.59	0.56	0.53	0.26	0.25	0.28	0.29	0.28	0.27	0.26	0.27			
150	0.60	0.64	0.67	0.67	0.68	0.68	0.66	0.62	0.28	0.27	0.29	0.30	0.30	0.29	0.29	0.29			
155	0.69	0.73	0.74	0.75	0.76	0.75	0.73	0.72	0.31	0.30	0.34	0.33	0.33	0.34	0.32	0.35			
160	0.75	0.76	0.78	0.80	0.78	0.79	0.77	0.74	0.37	0.36	0.37	0.37	0.36	0.36	0.35	0.38			
165	0.73	0.74	0.77	0.77	0.78	0.76	0.75	0.72	0.40	0.40	0.39	0.39	0.39	0.38	0.38	0.41			
170	0.69	0.69	0.70	0.70	0.70	0.69	0.69	0.69	0.45	0.44	0.42	0.41	0.41	0.40	0.40	0.43			
175	0.65	0.65	0.66	0.63	0.62	0.63	0.64	0.65	0.50	0.50	0.48	0.46	0.46	0.44	0.46	0.49			
180	0.59	0.57	0.55	0.54	0.54	0.54	0.57	0.58	0.58	0.58	0.57	0.56	0.54	0.54	0.54	0.57			

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