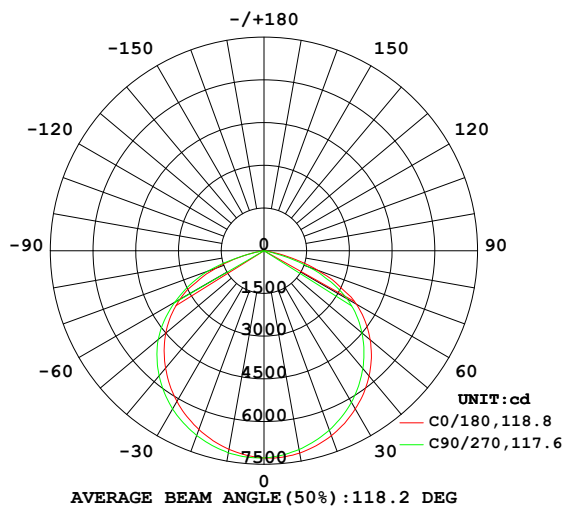


LUMINAIRE PHOTOMETRIC TEST REPORT

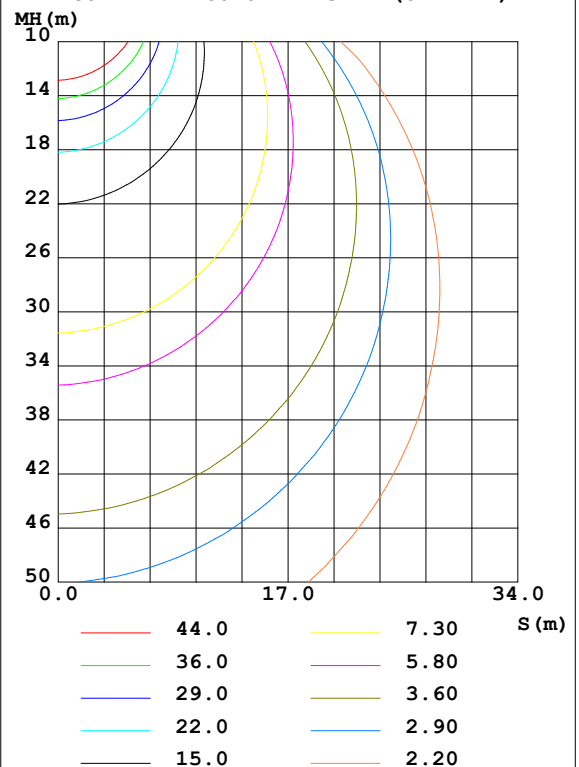
Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.59 lm/W			
MODEL	ERS-F150W	I _{max} (cd)	7293	S/MH (C0/180)	1.31
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	21012	η UP,DN (C0-180)	0.1,50.9
NOMINAL FLUX (lm)	21011.9	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.0
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Ben
 Test Date:2020-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.503m [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	7082	7141	7206	7235	7215	7151	7089	7055	0- 10	688.1	688.1	3.27, 3.27
20	6682	6794	6906	6957	6911	6810	6703	6650	10- 20	1976	2664	12.7, 12.7
30	6110	6256	6417	6477	6412	6279	6143	6074	20- 30	3024	5688	27.1, 27.1
40	5376	5564	5729	5822	5740	5577	5400	5334	30- 40	3719	9407	44.8, 44.8
50	4501	4675	4853	4949	4865	4678	4493	4423	40- 50	3969	13376	63.7, 63.7
60	3409	3575	3614	3814	3740	3568	3356	3324	50- 60	3703	17080	81.3, 81.3
70	1797	2068	2121	2223	2009	2029	1654	1877	60- 70	2766	19846	94.5, 94.5
80	243.4	326.0	167.3	365.9	273.1	210.9	90.60	217.6	70- 80	1077	20923	99.6, 99.6
90	3.425	3.062	4.422	5.141	1.825	0.4197	0.4211	0.4337	80- 90	66.26	20989	99.9, 99.9
100	2.104	2.168	1.959	2.004	0.7803	0.8194	0.8488	0.8644	90-100	1.319	20990	99.9, 99.9
110	2.458	2.496	2.393	2.331	1.228	1.285	1.321	1.350	100-110	1.740	20992	99.9, 99.9
120	3.169	3.101	3.016	2.897	1.938	1.856	1.943	1.994	110-120	2.120	20994	99.9, 99.9
130	4.586	4.541	4.457	4.369	2.823	2.748	2.743	2.802	120-130	2.694	20997	99.9, 99.9
140	7.004	7.419	7.236	7.053	3.721	3.753	3.729	3.892	130-140	3.464	21000	99.9, 99.9
150	9.858	10.89	10.66	10.42	4.442	4.544	4.596	4.706	140-150	4.104	21004	100, 100
160	12.31	12.78	12.72	12.77	5.933	5.880	5.672	5.738	150-160	3.905	21008	100, 100
170	11.34	11.65	11.52	11.60	7.070	6.826	6.474	6.762	160-170	2.645	21011	100, 100
180	9.494	9.323	8.813	9.583	9.503	9.504	8.966	9.114	170-180	0.8780	21012	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11391 lm

%lum = 54.2%

%lamp = 54.2%

Conical surface Flux(120deg): 17080 lm

%lum = 81.3%

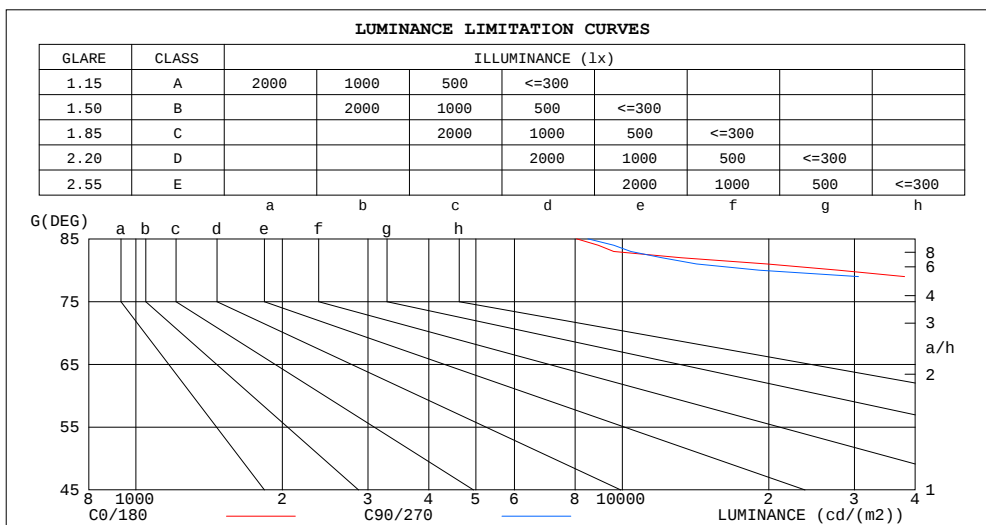
%lamp = 81.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Ben
 Test Date: 2020-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity: 47%
 Test Distance: 2.503m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8053	8495
80	27812	19122
75	70259	75747
70	104247	123064
65	123162	136260
60	135312	143465
55	138195	148019
50	138962	149835
45	139177	149153

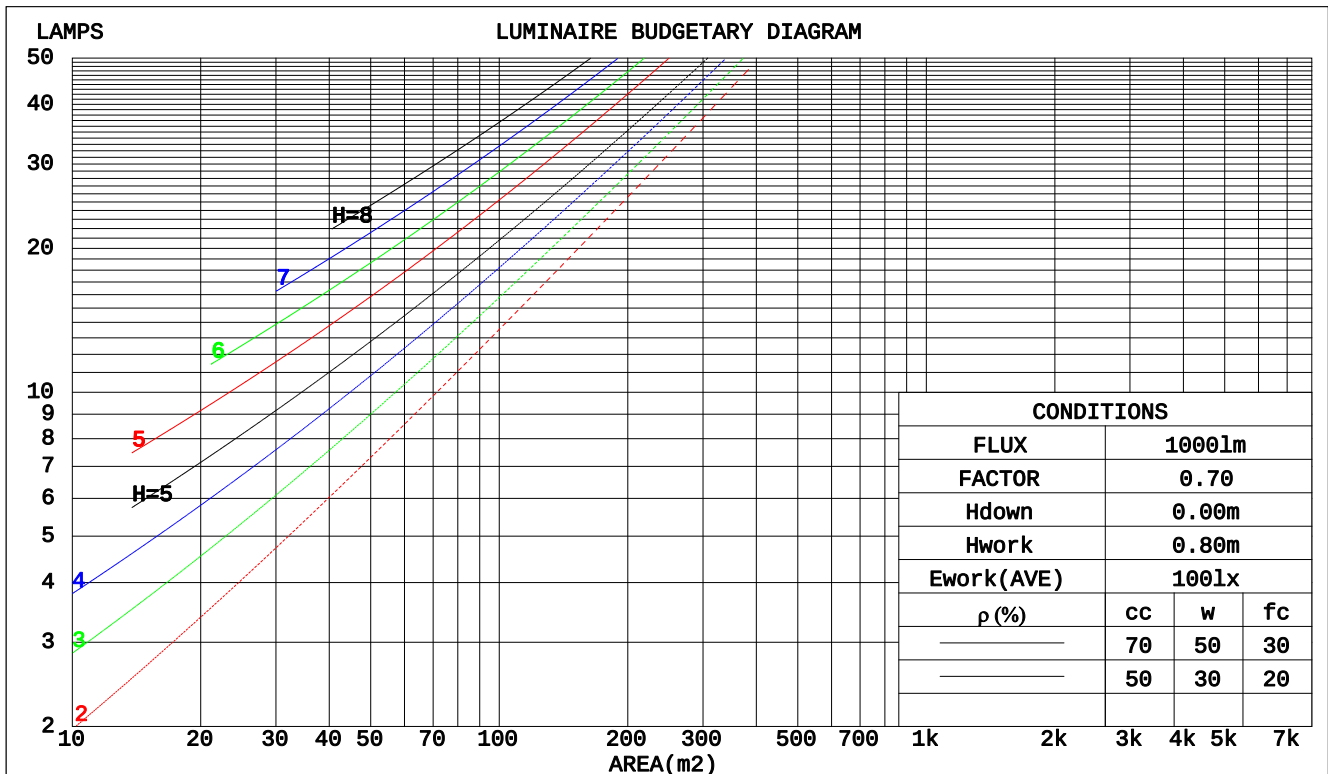
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Ben
 Test Date:2020-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.503m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	1.05	1.01	.97	1.03	.99	.96	.98	.95	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.62	.56	.70	.62	.55	.67	.60	.55	.65	.59	.54	.63	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.41	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.38	.33	.46	.38	.32	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Ben
 Test Date:2020-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.503m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm								
NAME: LED Flood Light				TYPE:N/A			WEIGHT:N/A	
SPEC.:N/A				DIM.: N/A			SERIAL No.:N/A	
MFR.: ERS				SUR.:N/A			Shielding Angle:N/A	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.288	.164	.052	.281	.160	.051	.268	.154	.049	.256	.147	.047	.244	.142	.046	
2.0	.280	.153	.047	.274	.151	.046	.262	.146	.045	.251	.141	.044	.241	.136	.043	
3.0	.263	.140	.042	.258	.138	.042	.247	.134	.041	.238	.130	.040	.229	.127	.039	
4.0	.245	.127	.037	.240	.126	.037	.231	.122	.037	.222	.119	.036	.214	.117	.035	
5.0	.228	.116	.034	.223	.115	.033	.215	.112	.033	.208	.110	.033	.201	.107	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.077	.022	.152	.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	.180	.157	.137	.154	.135	.118	.105	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.171	.133	.100	.147	.114	.087	.101	.079	.060	.058	.046	.035	.019	.015	.012	
3.0	.164	.115	.076	.141	.099	.066	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.060	.134	.088	.052	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.149	.091	.048	.128	.079	.042	.088	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.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	.130	.070	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Ben
Test Date:2020-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.503m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm											
NAME: LED Flood Light					TYPE:N/A			WEIGHT:N/A			
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A			
MFR.: ERS					SUR.:N/A			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		30.2	31.8	30.5	32.0	32.2	30.5	32.0	30.8	32.2	32.4
3H		31.5	32.9	31.8	33.2	33.4	31.9	33.3	32.2	33.5	33.8
4H		31.8	33.1	32.1	33.4	33.6	32.2	33.6	32.5	33.8	34.1
6H		31.8	33.1	32.2	33.3	33.6	32.2	33.5	32.5	33.7	34.0
8H		31.8	33.0	32.1	33.3	33.6	32.2	33.4	32.5	33.6	33.9
12H		31.7	32.9	32.1	33.2	33.5	32.1	33.3	32.5	33.6	33.9
4H	2H	30.9	32.2	31.2	32.5	32.7	31.1	32.4	31.4	32.7	32.9
	3H	32.3	33.5	32.7	33.8	34.1	32.6	33.8	33.0	34.1	34.4
	4H	32.7	33.7	33.1	34.0	34.4	33.0	34.1	33.4	34.4	34.7
	6H	32.7	33.7	33.1	34.0	34.4	33.0	34.0	33.4	34.3	34.7
	8H	32.7	33.5	33.1	33.9	34.3	33.0	33.9	33.4	34.2	34.6
	12H	32.7	33.4	33.1	33.8	34.2	33.0	33.8	33.4	34.1	34.5
8H	4H	32.8	33.7	33.2	34.0	34.4	33.1	34.0	33.5	34.3	34.7
	6H	32.9	33.6	33.3	34.0	34.4	33.2	33.9	33.6	34.3	34.7
	8H	32.9	33.5	33.3	33.9	34.4	33.2	33.8	33.6	34.2	34.6
	12H	32.8	33.4	33.3	33.8	34.3	33.1	33.6	33.6	34.1	34.6
12H	4H	32.8	33.5	33.2	33.9	34.3	33.1	33.9	33.5	34.3	34.7
	6H	32.9	33.5	33.3	33.9	34.4	33.2	33.8	33.6	34.2	34.6
	8H	32.8	33.4	33.3	33.8	34.3	33.1	33.7	33.6	34.1	34.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H		+ 0.3 / - 0.5					+ 0.3 / - 0.4				
2.0H		+ 0.2 / - 0.5					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 21012 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.6)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Ben
Test Date:2020-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.503m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

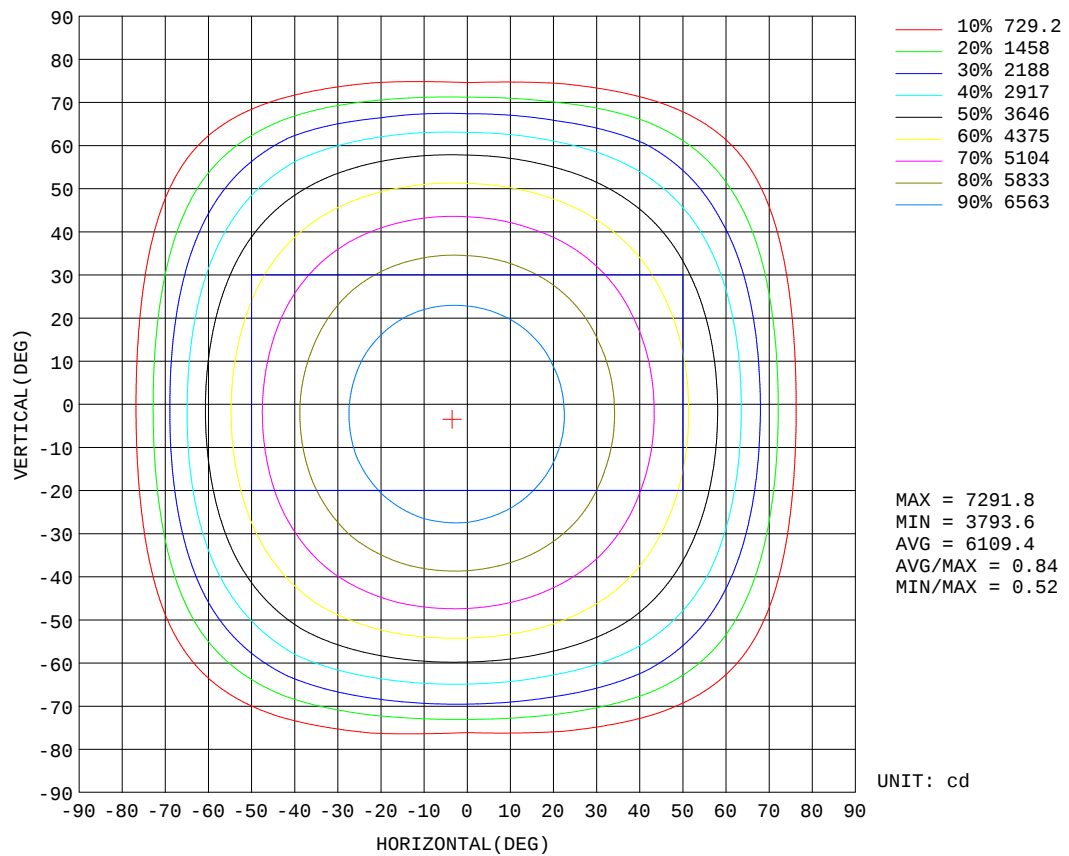
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	77	71	63
2.00	96	88	81	94	86	81	91	84	79	71
2.50	100	92	87	98	91	86	94	88	84	76
3.00	103	97	91	101	95	90	97	92	88	80
4.00	107	102	97	105	100	96	101	97	93	85
5.00	109	105	101	107	103	100	103	99	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:25.1DEG
Operators:Ben
Test Date:2020-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.503m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

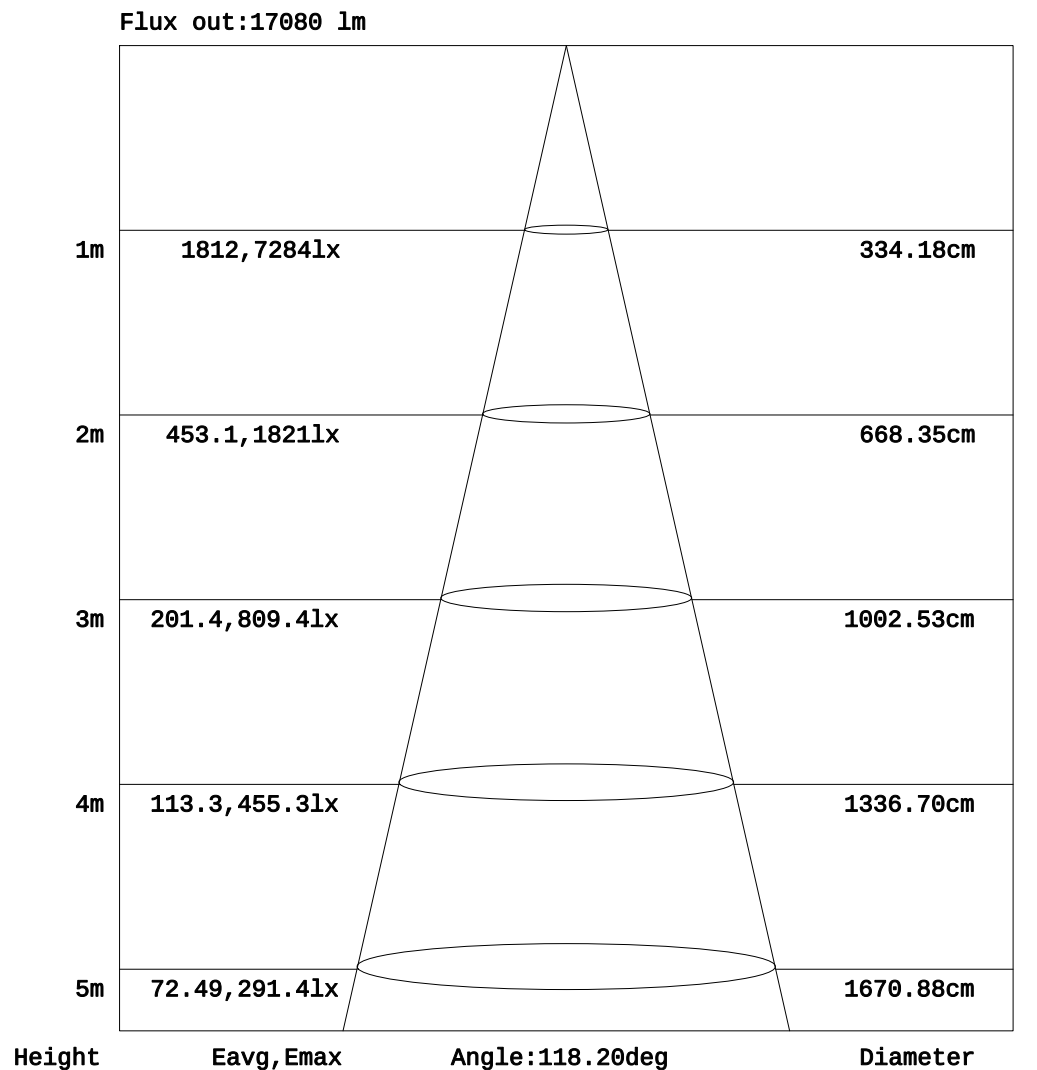


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Ben
Test Date:2020-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.503m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A



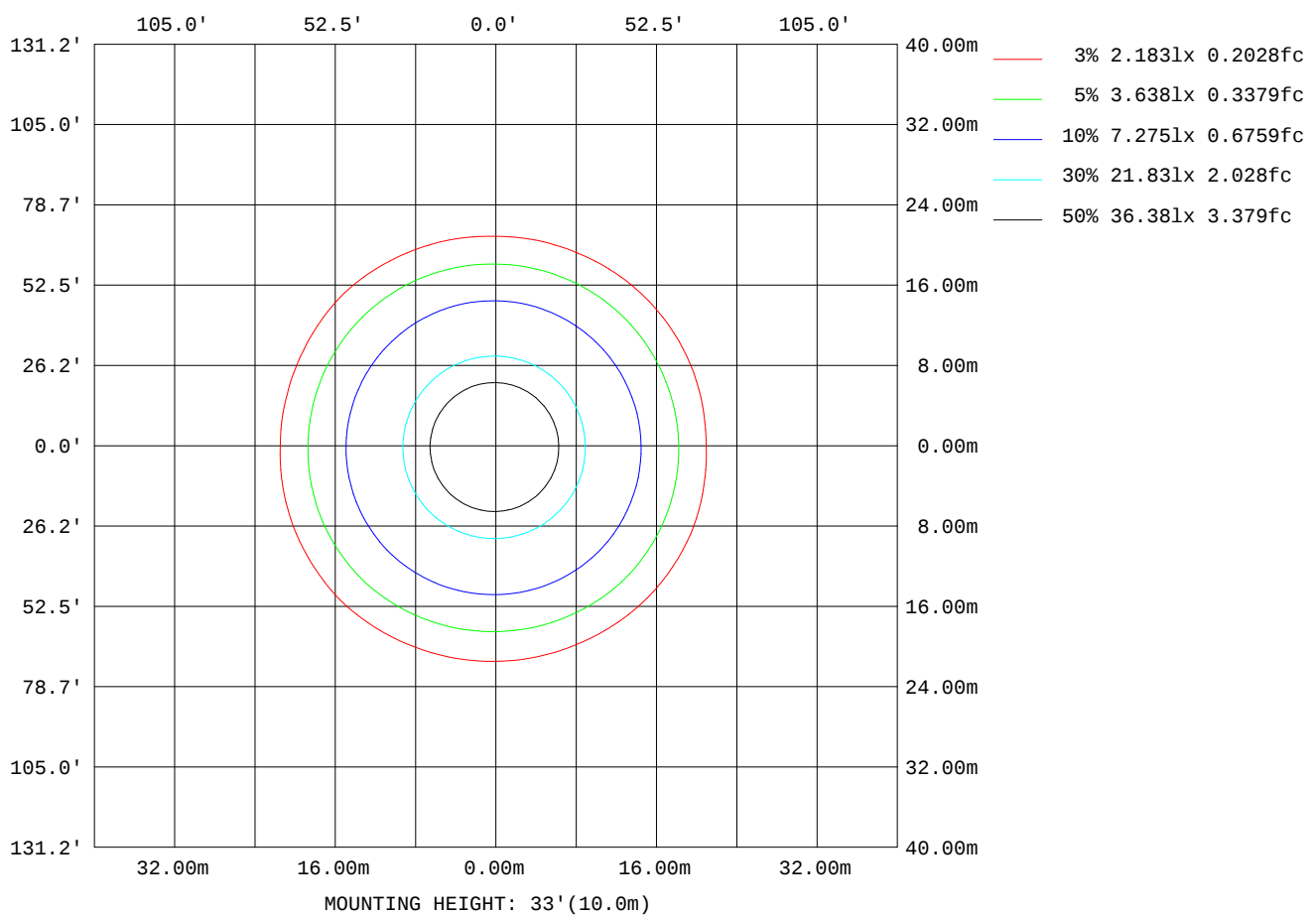
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Ben
 Test Date:2020-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.503m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Ben
Test Date:2020-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:47%
Test Distance:2.503m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.0V I:0.6654A P:148.4W PF:0.9696 Lamp Flux:21011.9x1 lm		
NAME: LED Flood Light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

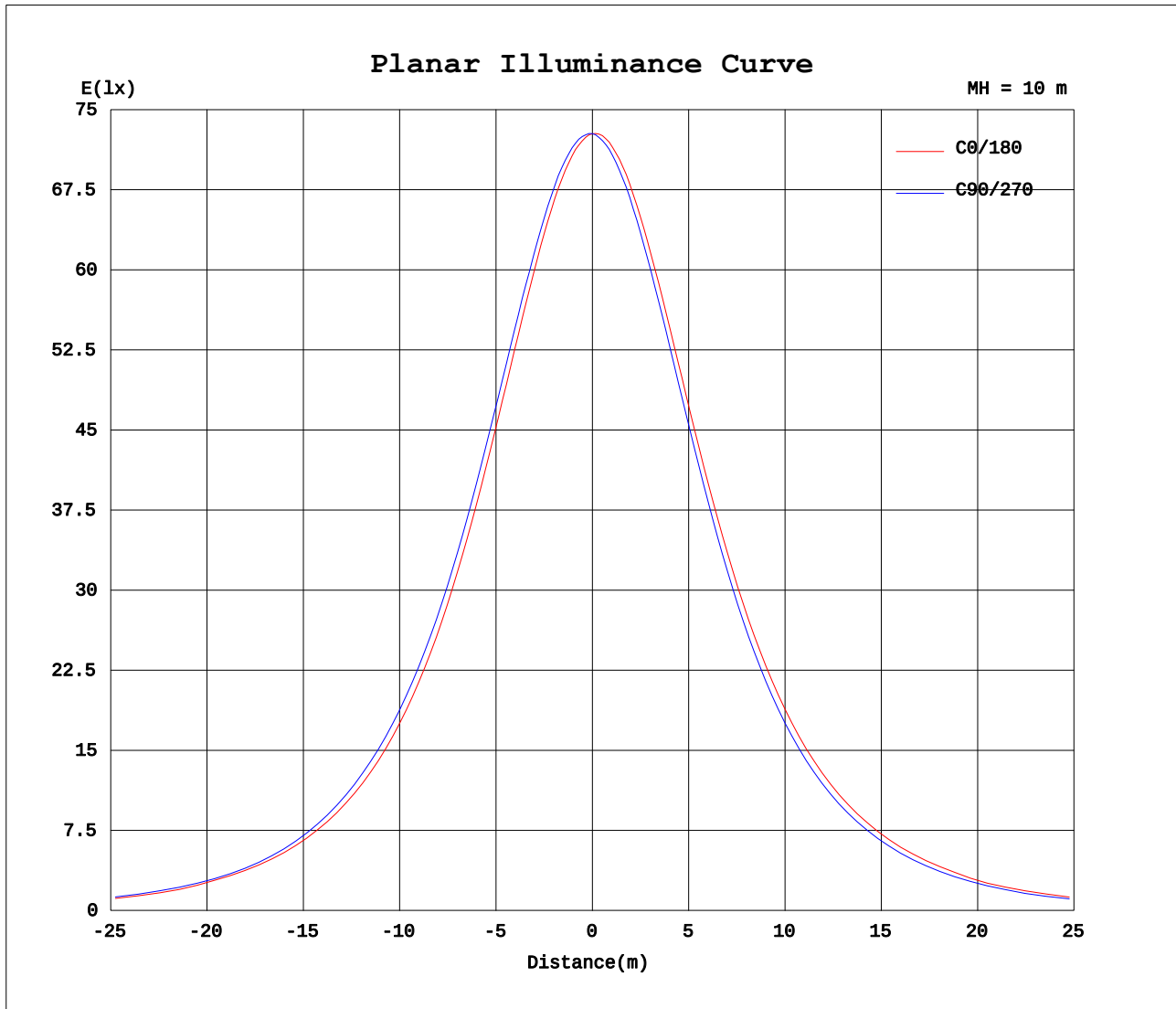
AvgL	cd/m2
L_0~180 (65) av	129763
L_0~180 (75) av	75310
L_0~180 (85) av	7937
L_90~270 (65) av	129089
L_90~270 (75) av	61612
L_90~270 (85) av	6444
L_45 (65) av	135101
L_45 (75) av	80172
L_45 (85) av	8056

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Ben
 Test Date:2020-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:47%
 Test Distance:2.503m [K=1.0000]
 Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	7274	7274	7274	7274	7274	7274	7274	7274	7274	7274	7274	7274	7274	7274	7274	7274			
5	7207	7224	7242	7260	7266	7281	7291	7287	7278	7260	7240	7219	7210	7192	7193	7199			
10	7082	7111	7141	7170	7206	7221	7235	7231	7215	7188	7151	7117	7089	7069	7055	7062			
15	6909	6946	6997	7034	7074	7109	7125	7118	7088	7052	7008	6959	6912	6885	6880	6881			
20	6682	6736	6794	6845	6906	6941	6957	6950	6911	6861	6810	6755	6703	6664	6650	6652			
25	6420	6478	6544	6616	6677	6722	6737	6727	6691	6631	6566	6503	6441	6397	6380	6380			
30	6110	6181	6256	6348	6417	6466	6477	6466	6412	6352	6279	6215	6143	6094	6074	6072			
35	5767	5836	5937	6028	6094	6158	6178	6158	6104	6029	5949	5865	5792	5749	5727	5723			
40	5376	5456	5564	5649	5729	5788	5822	5799	5740	5661	5577	5480	5400	5350	5334	5333			
45	4959	5034	5140	5233	5314	5380	5414	5393	5333	5248	5151	5050	4964	4908	4899	4906			
50	4501	4576	4675	4780	4853	4921	4949	4928	4865	4775	4678	4577	4493	4442	4423	4437			
55	3994	4064	4163	4227	4278	4367	4423	4405	4348	4252	4159	4057	3971	3918	3905	3927			
60	3409	3485	3575	3572	3614	3703	3814	3799	3740	3660	3568	3461	3356	3319	3324	3345			
65	2623	2820	2866	2850	2902	2973	3086	3054	2905	2847	2890	2731	2598	2597	2668	2679			
70	1797	1950	2068	2069	2121	2158	2223	2119	2009	1951	2029	1862	1654	1769	1877	1792			
75	916	1012	1127	1089	988	1171	1209	1112	1048	1026	969	870	620	828	878	934			
80	243	309	326	310	167	341	366	344	273	267	211	188	90.6	180	218	248			
85	35.4	43.1	42.4	37.4	37.3	43.1	49.6	51.0	34.4	33.1	25.5	21.5	19.3	20.8	24.1	29.4			
90	3.43	3.64	3.06	4.76	4.42	2.40	5.14	3.99	1.83	0.41	0.42	0.41	0.42	0.43	0.43	0.43			
95	1.72	1.71	1.94	1.58	1.52	1.53	1.56	1.55	0.58	0.59	0.61	0.60	0.62	0.63	0.64	0.64			
100	2.10	2.14	2.17	2.07	1.96	1.96	2.00	1.94	0.78	0.80	0.82	0.82	0.85	0.86	0.86	0.85			
105	2.29	2.32	2.33	2.29	2.21	2.16	2.17	2.11	0.99	1.00	1.04	1.05	1.08	1.10	1.10	1.09			
110	2.46	2.47	2.50	2.46	2.39	2.33	2.33	2.28	1.23	1.24	1.29	1.30	1.32	1.35	1.35	1.36			
115	2.76	2.72	2.73	2.69	2.62	2.57	2.56	2.56	1.55	1.52	1.55	1.60	1.63	1.68	1.63	1.66			
120	3.17	3.12	3.10	3.10	3.02	2.96	2.90	2.94	1.94	1.86	1.86	1.92	1.94	1.93	1.99	1.97			
125	3.77	3.74	3.72	3.67	3.64	3.54	3.48	3.54	2.37	2.32	2.32	2.27	2.29	2.38	2.42	2.40			
130	4.59	4.64	4.54	4.51	4.46	4.42	4.37	4.36	2.82	2.82	2.75	2.79	2.74	2.97	2.88	3.01			
135	5.60	5.73	5.76	5.60	5.62	5.63	5.46	5.36	3.31	3.29	3.22	3.26	3.31	3.38	3.39	3.56			
140	7.00	7.21	7.42	7.28	7.24	7.19	7.05	6.75	3.72	3.59	3.75	3.70	3.73	3.79	3.89	3.95			
145	8.62	8.94	9.34	9.39	9.31	9.20	8.87	8.44	4.01	3.98	4.16	4.32	4.25	4.33	4.32	4.42			
150	9.86	10.4	10.9	10.9	10.7	10.7	10.4	9.93	4.44	4.35	4.54	4.57	4.60	4.71	4.71	4.89			
155	11.4	11.8	12.1	12.1	12.0	12.0	11.8	11.5	5.07	4.89	5.35	5.24	5.12	5.34	5.26	5.65			
160	12.3	12.5	12.8	13.1	12.7	12.9	12.8	12.2	5.93	5.86	5.88	5.77	5.67	5.72	5.74	6.23			
165	12.1	12.3	12.6	12.6	12.7	12.6	12.6	12.0	6.55	6.54	6.31	6.32	6.12	6.15	6.28	6.79			
170	11.3	11.5	11.7	11.5	11.5	11.5	11.6	11.3	7.07	7.11	6.83	6.67	6.47	6.51	6.76	7.21			
175	11.0	10.9	10.9	10.5	10.3	10.5	10.8	10.8	8.22	8.28	8.05	7.71	7.56	7.24	7.86	8.23			
180	9.49	9.42	9.32	8.96	8.81	9.08	9.58	9.66	9.50	9.57	9.50	9.36	8.97	8.90	9.11	9.62			

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