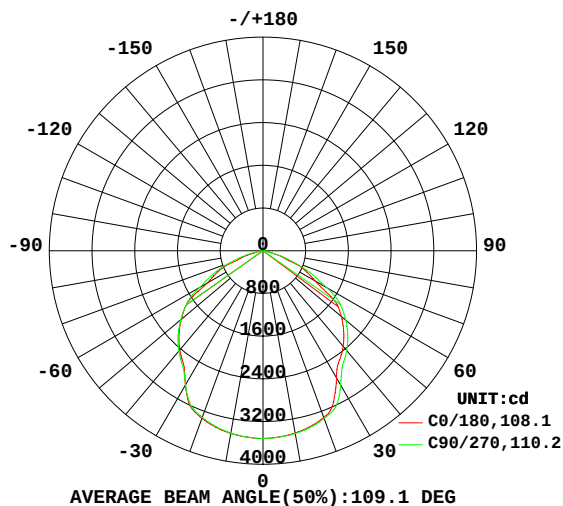


LUMINAIRE PHOTOMETRIC TEST REPORT

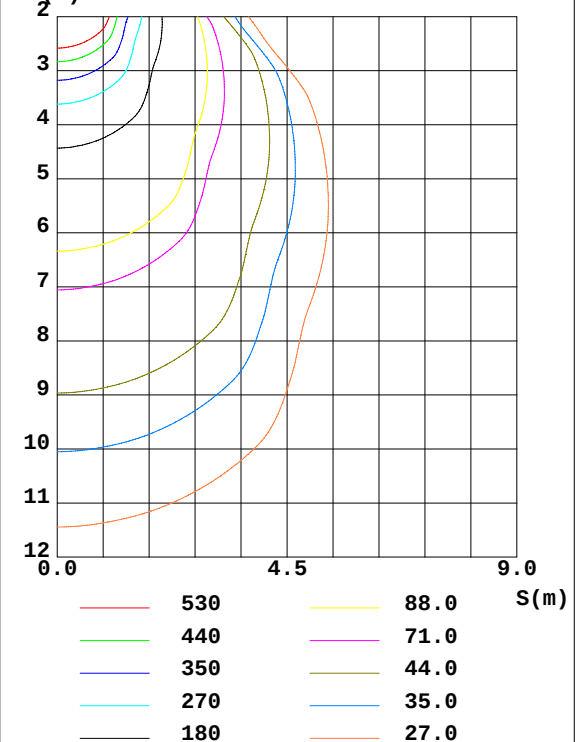
Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE:EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.08 lm/W			
MODEL	EX-60W-A2N50D120	I _{max} (cd)	3516	S/MH(C0/180)	1.22
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8820.4	η UP, DN(C0-180)	0.5, 49.6
NOMINAL FLUX(lm)	8820.41	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.5, 49.5
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	99.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:LJM
Test Date:2024-02-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

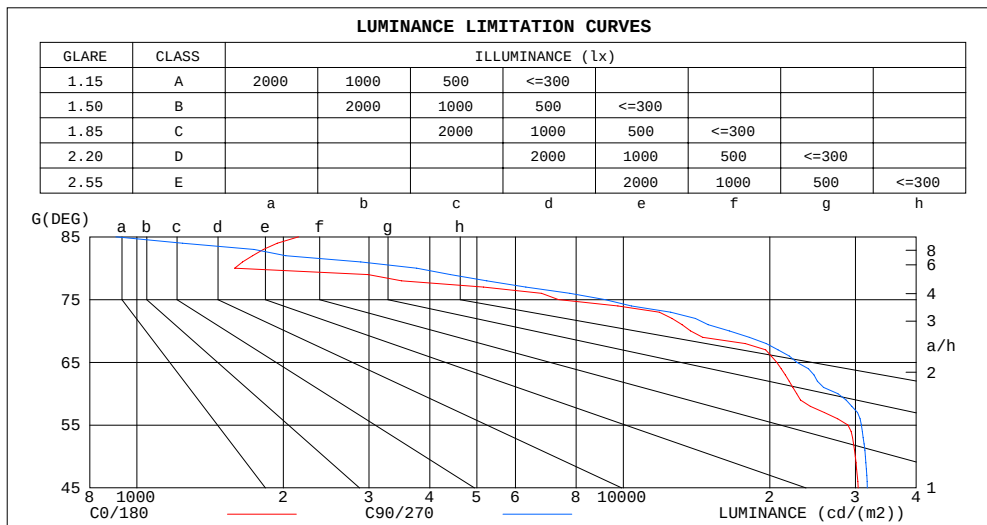
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3468	3469	3477	3474	3475	3470	3468	3464	0- 10	333.2	333.2	3.78, 3.78
20	3325	3331	3346	3340	3339	3330	3322	3315	10- 20	964.2	1297	14.7, 14.7
30	2753	3030	2907	3068	2908	3082	2899	3014	20- 30	1467	2765	31.3, 31.3
40	2336	2257	2439	2391	2426	2376	2450	2277	30- 40	1658	4423	50.1, 50.1
50	1917	1718	2024	1791	2001	1766	2011	1741	40- 50	1660	6083	69, 69
60	1129	1253	1381	1320	1196	1283	1358	1248	50- 60	1447	7530	85.4, 85.4
70	467.5	507.0	565.5	549.5	497.0	542.2	659.6	519.1	60- 70	887.5	8418	95.4, 95.4
80	27.43	64.87	65.34	84.76	33.19	65.05	101.1	58.80	70- 80	294.9	8712	98.8, 98.8
90	3.952	3.897	4.097	3.799	2.561	2.675	2.965	2.923	80- 90	23.43	8736	99, 99
100	6.536	6.527	6.628	6.225	4.882	4.961	5.372	5.375	90-100	4.917	8741	99.1, 99.1
110	9.815	9.893	9.899	9.509	7.832	8.018	8.479	8.516	100-110	7.762	8749	99.2, 99.2
120	13.56	13.53	13.55	13.14	11.25	11.51	12.02	12.06	110-120	10.67	8759	99.3, 99.3
130	17.17	17.12	17.08	16.75	14.80	15.04	15.52	15.59	120-130	12.84	8772	99.5, 99.5
140	20.71	20.65	20.55	20.23	18.26	18.49	18.95	19.05	130-140	13.81	8786	99.6, 99.6
150	23.98	23.80	23.65	23.35	21.63	21.66	22.14	22.21	140-150	13.31	8799	99.8, 99.8
160	26.49	26.28	26.06	25.94	24.30	24.39	24.63	24.79	150-160	11.14	8810	99.9, 99.9
170	28.03	27.93	27.80	27.73	26.90	26.89	27.01	27.13	160-170	7.460	8818	100, 100
180	28.39	28.43	28.38	28.46	28.41	28.45	28.41	28.46	170-180	2.663	8820	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: LJM
 Test Date: 2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000H_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.500m [K=1.0000]
 Remarks: EX-60W-A2N50D120

LUMINANCE LIMITATION CURVES

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE: EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2150	906
80	1589	3759
75	7354	9159
70	13746	16518
65	20663	22743
60	22714	27596
55	28947	30846
50	29990	31451
45	30401	31727

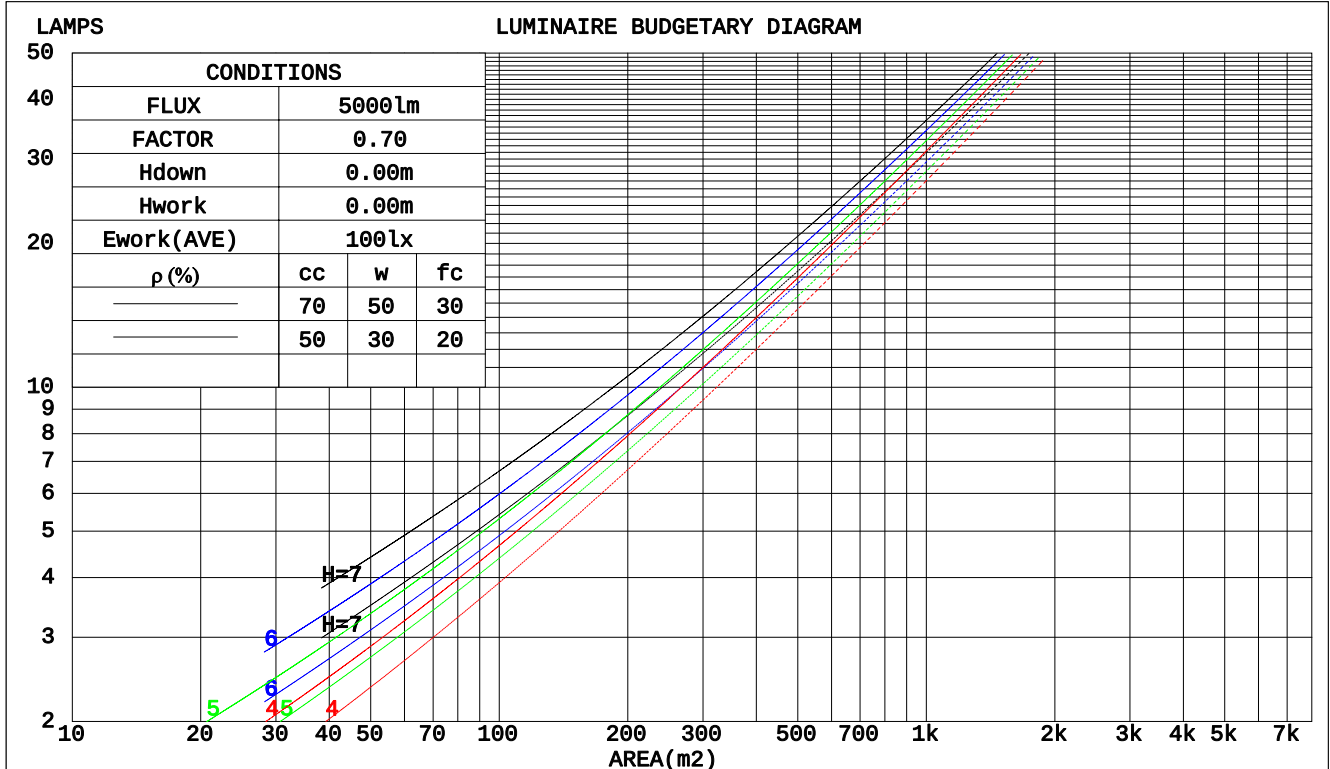
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: LJM
Test Date: 2024-02-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE:EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

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	1.01	1.01	1.01	.99
1.0	1.06	1.02	.99	1.04	1.00	.97	.99	.96	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.93	.87	.82	.91	.86	.81	.88	.83	.79	.84	.81	.77	.81	.78	.75	.73
3.0	.83	.75	.69	.81	.74	.69	.78	.72	.67	.75	.70	.66	.73	.68	.65	.63
4.0	.74	.65	.59	.72	.65	.59	.70	.63	.58	.67	.62	.57	.65	.60	.56	.54
5.0	.66	.58	.51	.65	.57	.51	.63	.56	.50	.61	.55	.50	.59	.53	.49	.47
6.0	.60	.51	.45	.59	.51	.45	.57	.50	.44	.55	.49	.44	.53	.48	.43	.41
7.0	.54	.46	.40	.53	.45	.40	.52	.45	.39	.50	.44	.39	.49	.43	.39	.37
8.0	.50	.41	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33
9.0	.46	.38	.32	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.30
10.0	.42	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:LJM
Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

WEC AND CCEC

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm									
NAME: EX-60W-A2N50D120					TYPE:EX-60W-A2N50D120			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					SUR.:			Shielding Angle:	

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 Coefficients(WEC)									
0.0																
1.0	.268	.152	.048	.261	.149	.047	.247	.142	.045	.234	.135	.043	.223	.129	.042	
2.0	.261	.143	.044	.255	.140	.043	.243	.135	.042	.232	.130	.041	.222	.125	.040	
3.0	.247	.131	.039	.241	.129	.039	.231	.125	.038	.221	.121	.037	.212	.117	.036	
4.0	.231	.120	.035	.226	.119	.035	.217	.115	.034	.208	.112	.034	.200	.109	.033	
5.0	.216	.110	.032	.212	.109	.032	.204	.106	.031	.196	.103	.031	.189	.101	.030	
6.0	.202	.101	.029	.198	.100	.029	.191	.098	.028	.184	.096	.028	.178	.093	.028	
7.0	.190	.094	.027	.186	.093	.026	.179	.091	.026	.173	.089	.026	.167	.087	.026	
8.0	.178	.087	.024	.175	.086	.024	.169	.084	.024	.163	.083	.024	.158	.081	.024	
9.0	.168	.081	.023	.165	.080	.023	.159	.079	.022	.154	.077	.022	.149	.076	.022	
10.0	.158	.076	.021	.156	.075	.021	.151	.074	.021	.146	.073	.021	.142	.071	.020	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.185	.164	.145	.158	.141	.125	.108	.097	.086	.062	.056	.050	.020	.018	.016	
2.0	.176	.139	.109	.150	.120	.094	.103	.083	.066	.059	.048	.039	.019	.016	.013	
3.0	.167	.122	.085	.144	.105	.074	.099	.073	.052	.057	.043	.030	.018	.014	.010	
4.0	.160	.108	.068	.137	.093	.059	.094	.065	.042	.055	.038	.025	.018	.012	.008	
5.0	.153	.098	.057	.131	.084	.049	.090	.059	.035	.052	.035	.021	.017	.011	.007	
6.0	.146	.089	.048	.125	.077	.042	.087	.054	.030	.050	.032	.018	.016	.010	.006	
7.0	.140	.082	.042	.120	.071	.037	.083	.050	.026	.048	.029	.015	.016	.010	.005	
8.0	.133	.076	.037	.115	.066	.032	.079	.047	.023	.046	.027	.014	.015	.009	.005	
9.0	.128	.071	.034	.110	.062	.029	.076	.044	.021	.044	.026	.012	.014	.008	.004	
10.0	.122	.067	.031	.105	.058	.027	.073	.041	.019	.043	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:LJM
Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

UGR(Unified Glare Rating) Table

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm										
NAME: EX-60W-A2N50D120					TYPE:EX-60W-A2N50D120			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	24.0	25.4	24.3	25.6	25.8	24.4	25.8	24.6	26.0	26.2
3H	24.7	26.0	25.0	26.3	26.5	25.2	26.5	25.5	26.8	27.0
4H	24.8	26.1	25.1	26.3	26.6	25.3	26.6	25.7	26.8	27.1
6H	24.8	25.9	25.1	26.2	26.5	25.3	26.4	25.6	26.7	27.0
8H	24.7	25.8	25.1	26.1	26.4	25.2	26.4	25.6	26.7	27.0
12H	24.7	25.7	25.0	26.0	26.3	25.2	26.3	25.6	26.6	26.9
4H 2H	24.4	25.7	24.7	25.9	26.2	24.7	26.0	25.1	26.2	26.5
3H	25.3	26.3	25.6	26.6	27.0	25.7	26.8	26.1	27.1	27.4
4H	25.4	26.4	25.8	26.7	27.0	25.9	26.8	26.3	27.2	27.5
6H	25.3	26.2	25.7	26.5	26.9	25.9	26.7	26.3	27.1	27.5
8H	25.3	26.1	25.7	26.5	26.9	25.8	26.6	26.2	27.0	27.4
12H	25.2	26.0	25.7	26.4	26.8	25.8	26.5	26.2	26.9	27.3
8H 4H	25.4	26.2	25.8	26.6	27.0	25.9	26.7	26.3	27.0	27.4
6H	25.3	26.0	25.8	26.4	26.9	25.9	26.5	26.3	26.9	27.4
8H	25.3	25.9	25.8	26.3	26.8	25.8	26.4	26.3	26.8	27.3
12H	25.3	25.8	25.8	26.2	26.7	25.8	26.3	26.3	26.7	27.2
12H 4H	25.4	26.1	25.8	26.5	26.9	25.8	26.5	26.3	26.9	27.4
6H	25.3	25.9	25.8	26.3	26.8	25.8	26.4	26.3	26.8	27.3
8H	25.3	25.8	25.8	26.2	26.7	25.8	26.3	26.3	26.7	27.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
1.5H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				
2.0H	+ 1.0 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117, 8820 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.6$)
Area: 0.1 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:LJM
Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

UTILIZATION FACTORS TABLE

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE: EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

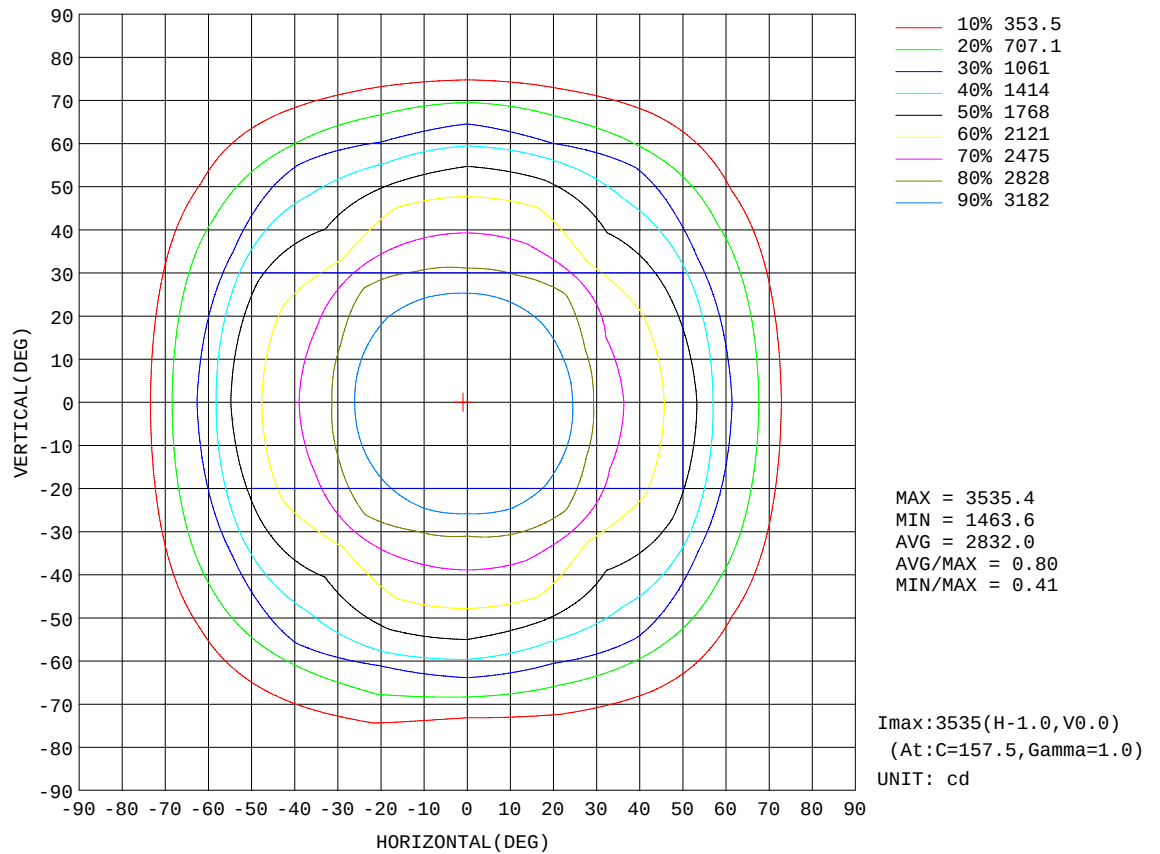
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	43	60	49	42	58	48	42	36
0.80	71	60	53	70	59	53	68	58	52	46
1.00	79	69	62	78	68	62	76	69	61	55
1.25	86	77	70	85	76	70	82	75	69	62
1.50	91	82	76	90	81	75	87	80	74	67
2.00	98	90	84	96	89	84	92	87	82	74
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	97	92	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	108	104	101	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:25.0DEG
Operators:LJM
Test Date:2024-02-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

ISOCANDELA DIAGRAM

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE:EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



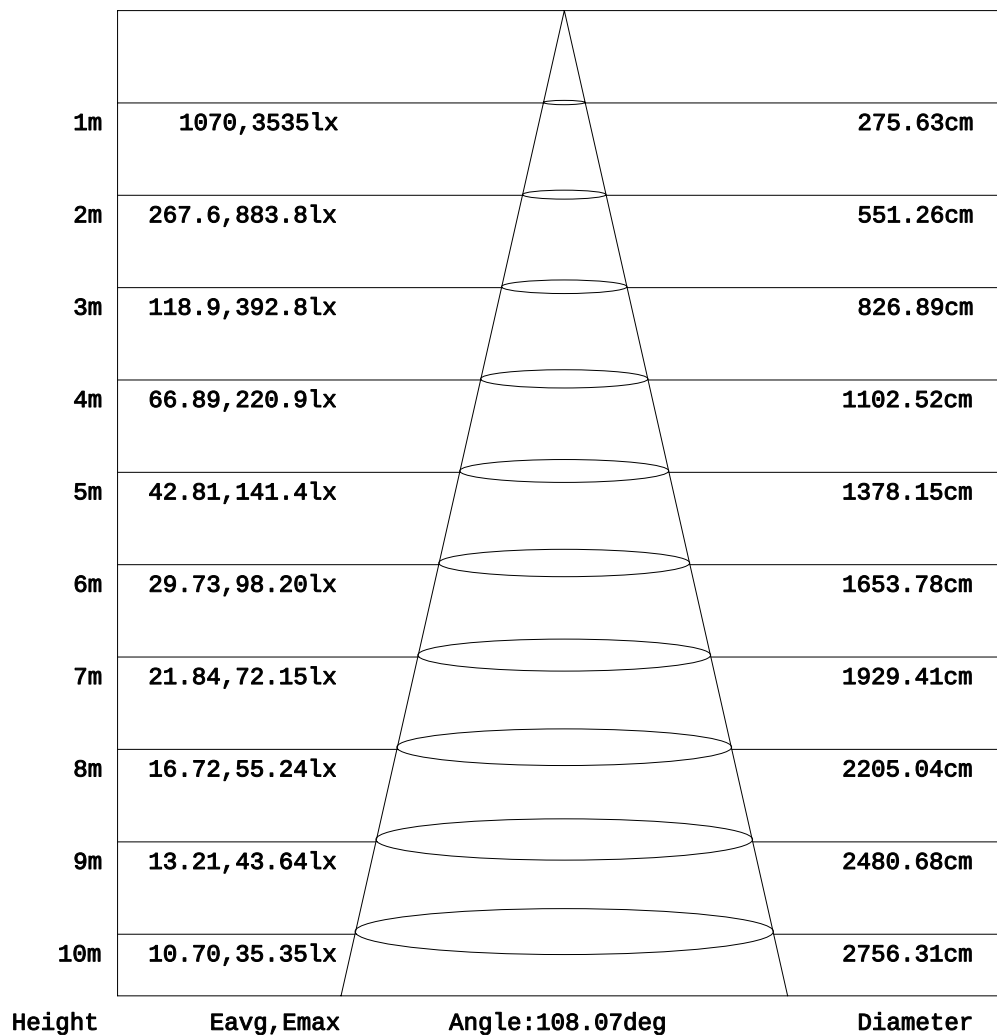
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:LJM
Test Date:2024-02-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

AAI Figure

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE: EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:6858 lm



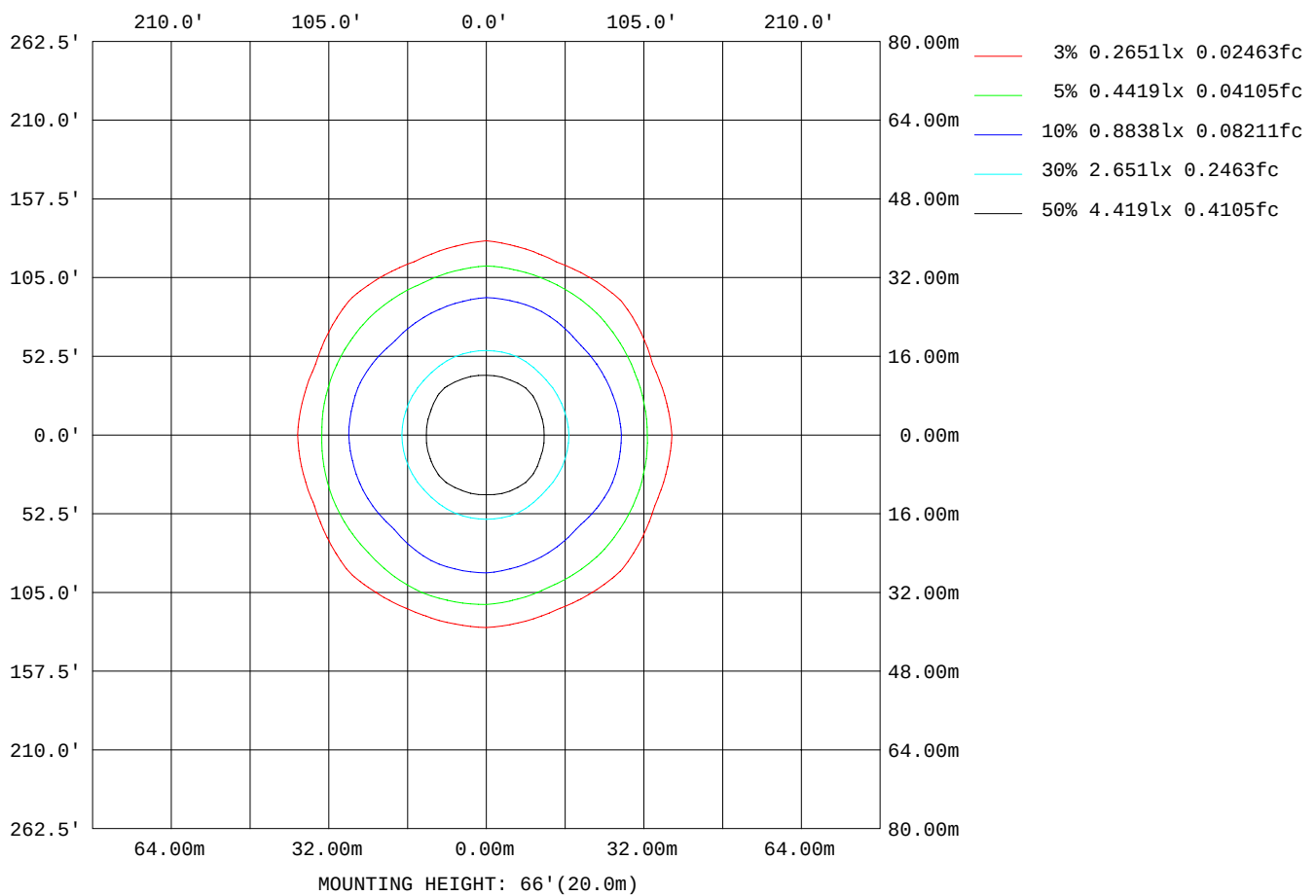
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: LJM
 Test Date: 2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000H_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.500m [K=1.0000]
 Remarks: EX-60W-A2N50D120

ISOLUX DIAGRAM

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE: EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: LJM
Test Date: 2024-02-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000H_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks: EX-60W-A2N50D120

LED Avg.L Report

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm		
NAME: EX-60W-A2N50D120	TYPE: EX-60W-A2N50D120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

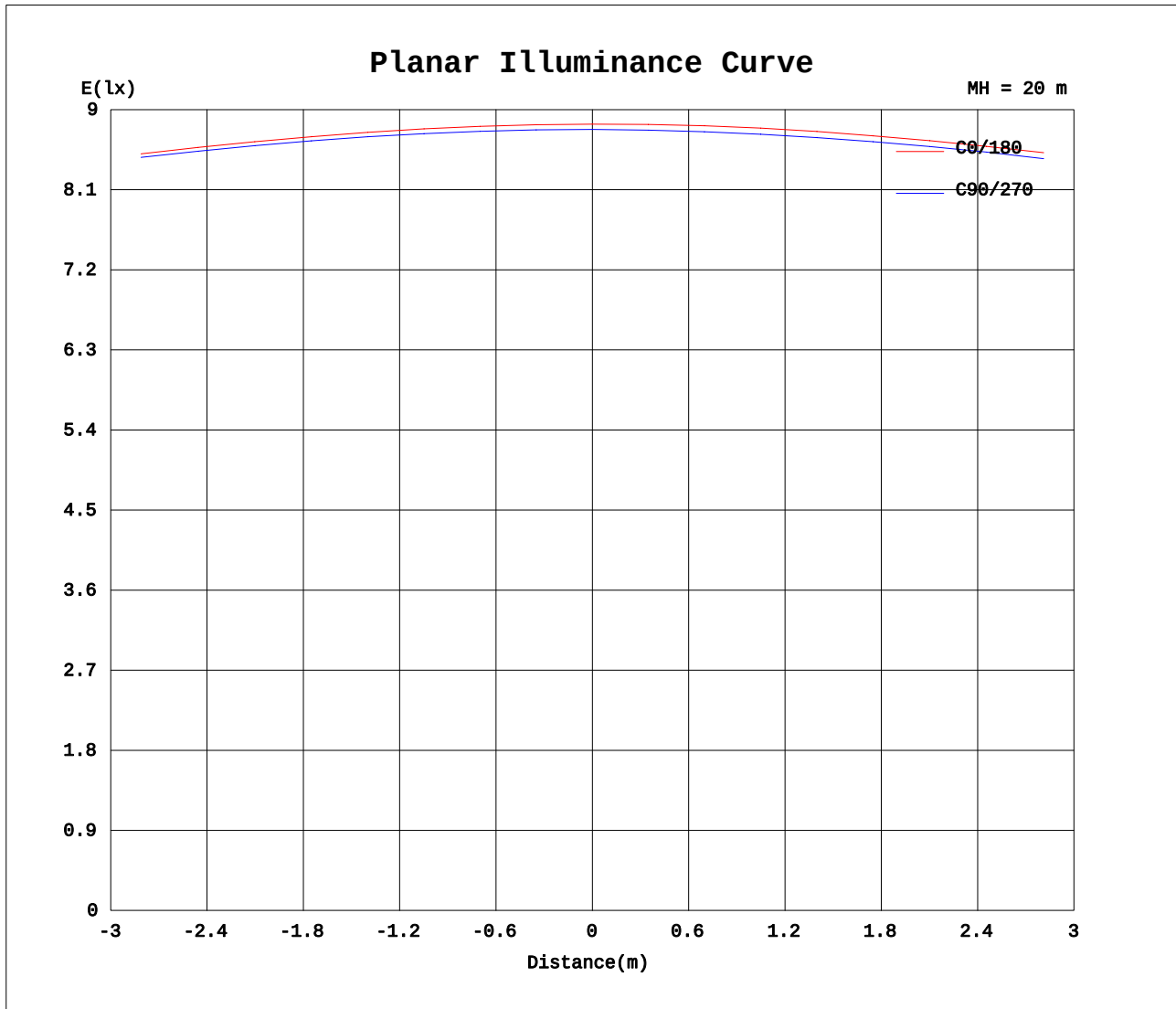
AvgL	cd/m2
L_0~180(65)av	21312
L_0~180(75)av	7845
L_0~180(85)av	2211
L_90~270(65)av	23589
L_90~270(75)av	11042
L_90~270(85)av	1374
L_45(65)av	22236
L_45(75)av	10374
L_45(85)av	2090

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: LJM
 Test Date: 2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000H_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.500m [K=1.0000]
 Remarks: EX-60W-A2N50D120

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: LJM
 Test Date: 2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000H_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.500m [K=1.0000]
 Remarks: EX-60W-A2N50D120

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.77V I:0.2786A P:59.567W PF:0.9728 Freq:60.00Hz Lamp Flux:8820.41x1 lm																	
NAME: EX-60W-A2N50D120									TYPE: EX-60W-A2N50D120						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(°)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3515	3515	3515	3515	3515	3515	3515	3515	3515	3515	3515	3515	3515	3515	3515	3515			
5	3499	3499	3499	3503	3503	3505	3503	3504	3503	3502	3501	3500	3500	3498	3497	3496			
10	3468	3469	3469	3474	3477	3478	3474	3477	3475	3472	3470	3467	3468	3464	3464	3463			
15	3409	3412	3414	3420	3424	3423	3420	3424	3419	3416	3414	3405	3408	3401	3403	3402			
20	3325	3329	3331	3342	3346	3344	3340	3344	3339	3333	3330	3319	3322	3314	3315	3316			
25	3127	3181	3216	3232	3227	3239	3233	3236	3218	3222	3220	3207	3198	3195	3192	3167			
30	2753	2830	3030	2990	2907	2980	3068	3004	2908	2953	3082	2985	2899	2932	3014	2827			
35	2502	2502	2703	2649	2606	2632	2814	2663	2593	2612	2831	2657	2627	2629	2715	2493			
40	2336	2333	2257	2432	2439	2439	2391	2431	2426	2409	2376	2442	2450	2439	2277	2315			
45	2138	2142	1924	2236	2246	2247	2013	2239	2226	2207	1983	2235	2248	2235	1944	2116			
50	1917	1920	1718	1963	2024	2022	1791	2002	2001	1987	1766	1962	2011	1998	1741	1872			
55	1651	1638	1498	1605	1771	1759	1569	1664	1747	1710	1536	1602	1752	1677	1508	1544			
60	1129	1120	1253	1212	1381	1412	1320	1272	1196	1210	1283	1255	1358	1272	1248	1079			
65	868	790	901	898	962	925	1021	860	933	830	916	886	1032	880	922	786			
70	467	486	507	565	566	672	550	617	497	504	542	600	660	595	519	448			
75	189	194	260	292	237	382	337	291	217	234	245	302	334	306	232	207			
80	27.4	38.2	64.9	80.2	65.3	122	84.8	59.5	33.2	47.9	65.1	87.8	101	89.2	58.8	29.0			
85	18.6	17.9	16.9	13.2	7.90	21.5	21.1	22.1	19.9	19.3	17.8	16.5	16.0	16.9	17.1	17.2			
90	3.95	3.92	3.90	4.08	4.10	4.03	3.80	3.73	2.56	2.57	2.67	2.81	2.96	2.94	2.92	2.86			
95	5.14	5.10	5.08	5.22	5.24	5.13	4.84	4.81	3.62	3.62	3.71	3.88	4.09	4.08	4.03	3.98			
100	6.54	6.50	6.53	6.61	6.63	6.51	6.23	6.14	4.88	4.89	4.96	5.14	5.37	5.36	5.37	5.29			
105	8.10	8.09	8.15	8.21	8.18	8.06	7.81	7.68	6.32	6.29	6.41	6.59	6.86	6.83	6.86	6.77			
110	9.82	9.87	9.89	9.95	9.90	9.78	9.51	9.36	7.83	7.82	8.02	8.23	8.48	8.45	8.52	8.41			
115	11.7	11.7	11.7	11.8	11.7	11.6	11.3	11.1	9.49	9.53	9.75	10.00	10.2	10.2	10.3	10.2			
120	13.6	13.5	13.5	13.6	13.5	13.4	13.1	13.0	11.3	11.3	11.5	11.8	12.0	12.0	12.1	12.0			
125	15.3	15.3	15.3	15.3	15.3	15.2	14.9	14.8	13.0	13.0	13.3	13.5	13.8	13.8	13.8	13.8			
130	17.2	17.1	17.1	17.1	17.1	16.9	16.7	16.6	14.8	14.8	15.0	15.2	15.5	15.5	15.6	15.5			
135	18.9	18.9	18.9	18.9	18.8	18.7	18.5	18.4	16.6	16.5	16.8	17.0	17.3	17.3	17.4	17.2			
140	20.7	20.8	20.6	20.6	20.5	20.5	20.2	20.1	18.3	18.2	18.5	18.7	19.0	19.0	19.1	19.0			
145	22.4	22.5	22.3	22.2	22.2	22.1	21.8	21.8	20.0	19.9	20.1	20.3	20.6	20.6	20.7	20.6			
150	24.0	24.0	23.8	23.7	23.6	23.6	23.4	23.4	21.6	21.5	21.7	21.9	22.1	22.1	22.2	22.2			
155	25.4	25.3	25.1	25.1	25.0	24.9	24.7	24.8	23.1	23.0	23.1	23.2	23.5	23.5	23.6	23.6			
160	26.5	26.5	26.3	26.2	26.1	26.0	25.9	26.1	24.3	24.3	24.4	24.4	24.6	24.7	24.8	24.8			
165	27.4	27.4	27.2	27.2	27.1	27.0	27.0	27.1	25.6	25.5	25.6	25.6	25.8	25.8	25.9	26.0			
170	28.0	28.1	27.9	28.0	27.8	27.8	27.7	27.9	26.9	26.8	26.9	26.9	27.0	27.1	27.1	27.2			
175	28.3	28.4	28.4	28.4	28.2	28.3	28.3	28.4	27.9	27.8	28.0	27.8	28.0	27.9	28.1	28.0			
180	28.4	28.4	28.4	28.4	28.4	28.4	28.5	28.5	28.4	28.4	28.4	28.4	28.4	28.4	28.5	28.5			

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