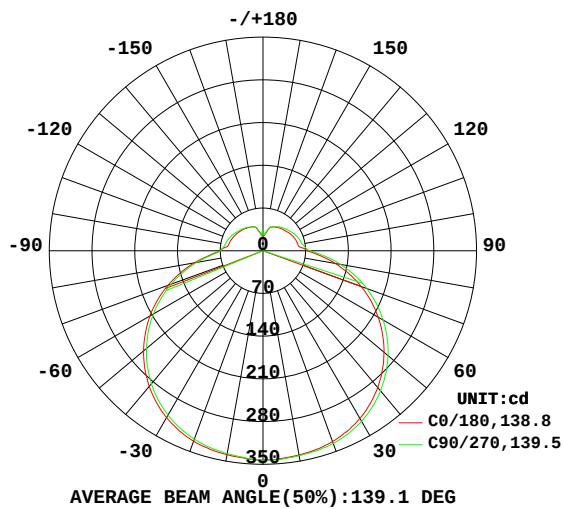


LUMINAIRE PHOTOMETRIC TEST REPORT

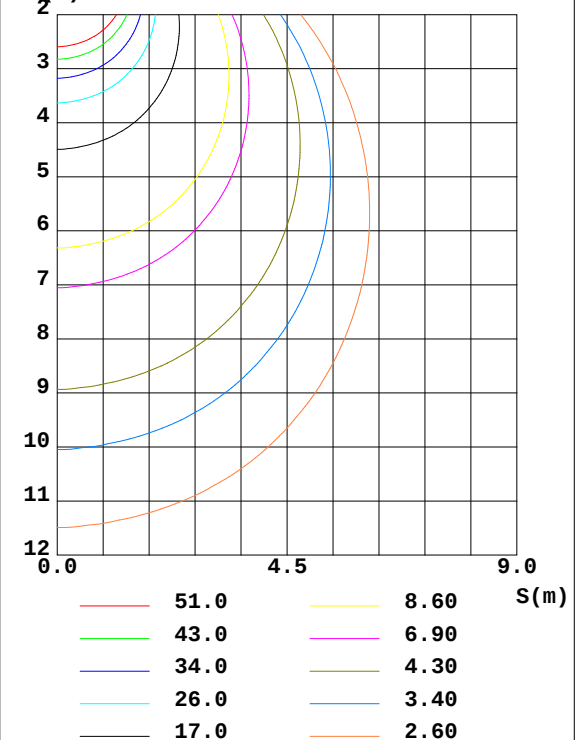
Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.00 lm/W			
MODEL	ASD-LOFT-FM-16D28SM-RGBW-NK	Imax(cd)	343.9	S/MH(C0/180)	1.38
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1681.8	η UP, DN(C0-180)	10.0, 38.9
NOMINAL FLUX(lm)	1681.78	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	10.3, 40.9
LAMPS INSIDE	1	η up(%)	20.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	79.7	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Water
Test Date:2024-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

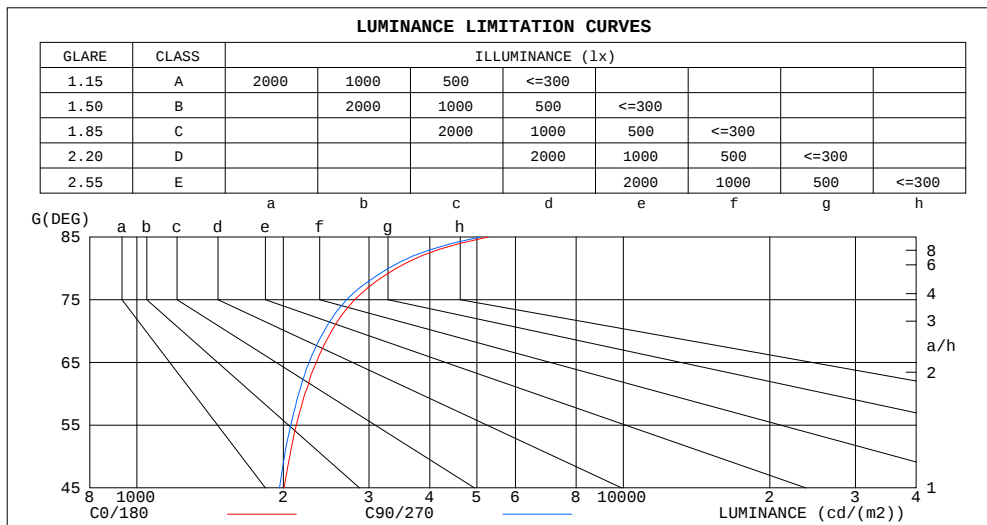
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	339.4	338.5	337.7	338.1	339.8	341.1	341.1	340.3	0- 10	32.53	32.53	1.93,1.93
20	332.2	330.1	328.6	329.4	332.8	335.8	336.2	334.7	10- 20	95.27	127.8	7.6,7.6
30	316.0	312.9	311.3	312.2	317.4	322.3	322.8	320.0	20- 30	150.4	278.2	16.5,16.5
40	290.1	286.7	284.5	286.0	292.7	299.2	299.7	295.7	30- 40	191.3	469.5	27.9,27.9
50	255.5	252.1	249.4	250.9	258.8	267.3	267.3	261.8	40- 50	212.9	682.4	40.6,40.6
60	213.5	210.3	207.4	208.5	218.2	227.7	227.4	220.5	50- 60	213.0	895.3	53.2,53.2
70	165.7	163.0	160.1	161.3	171.2	182.1	181.1	172.6	60- 70	191.8	1087	64.6,64.6
80	114.3	111.9	110.0	111.3	120.5	130.4	129.3	120.5	70- 80	152.2	1239	73.7,73.7
90	70.62	70.81	69.73	69.88	72.96	78.49	77.60	72.54	80- 90	101.7	1341	79.7,79.7
100	57.27	62.28	62.61	62.16	58.19	65.69	65.16	62.19	90-100	72.73	1414	84.1,84.1
110	55.03	58.38	59.41	58.53	56.30	61.29	61.73	58.51	100-110	63.30	1477	87.8,87.8
120	52.32	54.30	55.23	54.35	53.27	56.66	57.62	54.86	110-120	56.04	1533	91.2,91.2
130	49.59	50.66	51.29	50.59	49.87	52.60	53.18	51.38	120-130	47.48	1581	94,94
140	47.08	48.15	48.19	48.00	47.26	48.87	49.47	48.15	130-140	38.46	1619	96.3,96.3
150	44.40	44.51	44.95	44.90	44.66	45.47	45.31	44.94	140-150	29.32	1648	98,98
160	41.71	41.14	41.43	41.28	41.34	41.70	42.07	41.72	150-160	20.11	1668	99.2,99.2
170	30.97	29.47	29.32	30.25	30.30	31.38	31.71	31.81	160-170	10.66	1679	99.8,99.8
180	33.52	33.71	34.22	34.25	33.50	33.73	34.25	34.33	170-180	2.680	1682	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Water
 Test Date:2024-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
 Humidity:51%
 Test Distance:2.519m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5272	5081
80	3413	3285
75	2803	2698
70	2512	2426
65	2339	2262
60	2214	2151
55	2127	2071
50	2061	2011
45	2007	1964

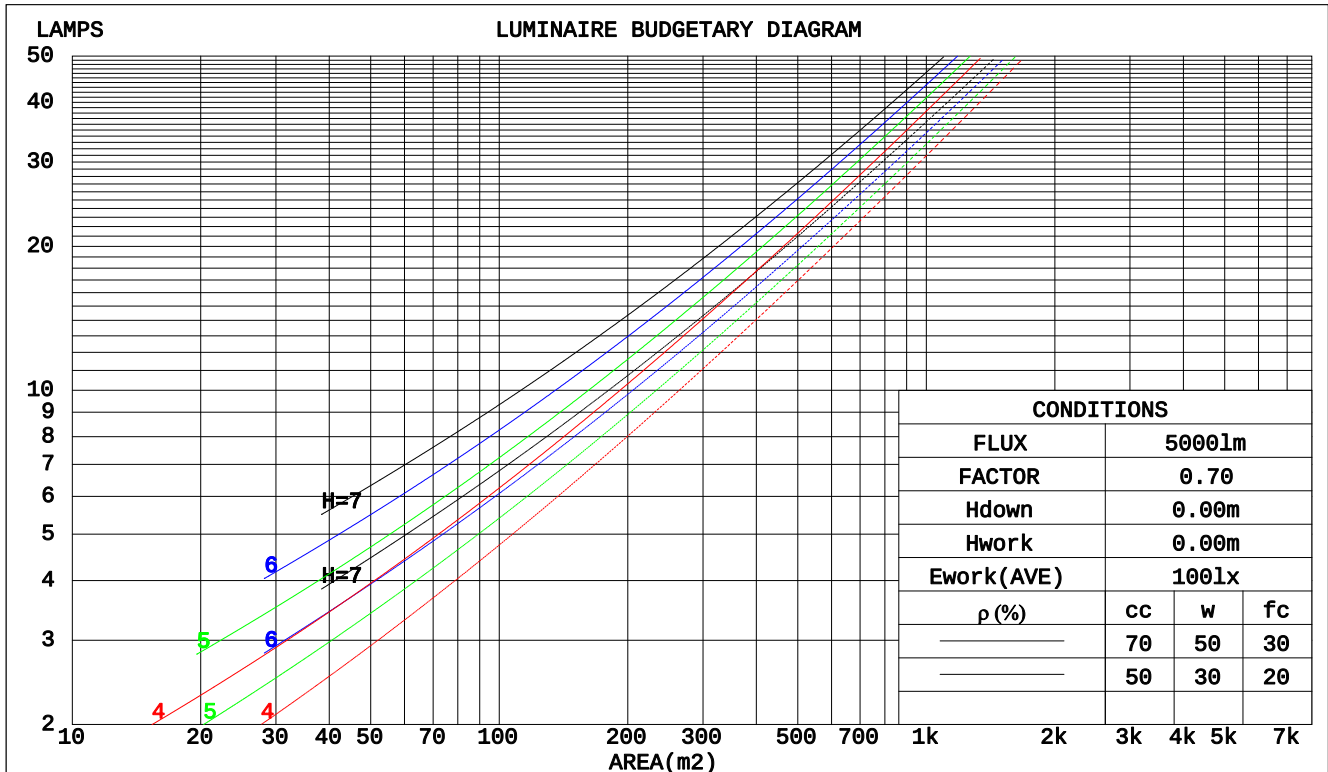
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Water
Test Date:2024-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME:ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	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	1.14	1.14	1.14	1.09	1.09	1.09	.00	.00	.00	.91	.91	.91	.83	.83	.83	.80
1.0	.96	.91	.86	.92	.87	.83	.84	.80	.76	.76	.73	.71	.69	.67	.65	.61
2.0	.82	.74	.68	.78	.71	.66	.71	.66	.61	.65	.61	.57	.59	.56	.52	.49
3.0	.71	.62	.55	.68	.60	.53	.62	.55	.50	.57	.51	.46	.51	.47	.43	.40
4.0	.62	.53	.46	.60	.51	.45	.55	.47	.42	.50	.44	.39	.45	.40	.36	.33
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.36	.44	.38	.33	.41	.35	.31	.28
6.0	.49	.40	.34	.47	.39	.33	.44	.36	.31	.40	.34	.29	.37	.31	.27	.24
7.0	.45	.36	.29	.43	.34	.28	.39	.32	.27	.36	.30	.25	.33	.28	.24	.21
8.0	.40	.32	.26	.39	.31	.25	.36	.29	.24	.33	.27	.22	.30	.25	.21	.19
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.30	.24	.20	.28	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.30	.24	.19	.28	.22	.18	.26	.21	.17	.15



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Water
Test Date:2024-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm					
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK			TYPE: N/A		WEIGHT: N/A
SPEC.:6500K			DIM.: N/A		SERIAL No.: N/A
MFR.:ASD Lighting Corp			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 Coefficients(WEC)									
0.0																
1.0	.370	.210	.067	.356	.203	.065	.331	.190	.061	.308	.178	.057	.287	.166	.054	
2.0	.325	.178	.055	.313	.173	.053	.291	.162	.050	.270	.151	.047	.250	.142	.045	
3.0	.291	.155	.046	.280	.150	.045	.260	.141	.043	.241	.132	.040	.223	.124	.038	
4.0	.263	.137	.040	.253	.133	.039	.235	.124	.037	.217	.117	.035	.201	.109	.033	
5.0	.240	.122	.035	.231	.119	.035	.214	.111	.033	.198	.105	.031	.183	.098	.029	
6.0	.220	.110	.032	.212	.107	.031	.197	.101	.029	.182	.095	.028	.168	.089	.026	
7.0	.203	.101	.028	.196	.098	.028	.182	.092	.026	.168	.086	.025	.156	.081	.024	
8.0	.189	.092	.026	.182	.090	.025	.169	.084	.024	.157	.079	.023	.145	.074	.022	
9.0	.176	.085	.024	.170	.083	.023	.158	.078	.022	.146	.073	.021	.136	.069	.020	
10.0	.165	.079	.022	.159	.077	.021	.148	.072	.020	.137	.068	.019	.127	.064	.018	

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	.345	.345	.345	.295	.295	.295	.201	.201	.201	.116	.116	.116	.037	.037	.037	
1.0	.340	.311	.285	.291	.267	.246	.199	.184	.170	.115	.106	.099	.037	.034	.032	
2.0	.333	.288	.251	.286	.248	.217	.196	.172	.151	.113	.100	.089	.036	.032	.029	
3.0	.326	.272	.229	.280	.235	.198	.192	.163	.139	.111	.095	.082	.036	.031	.027	
4.0	.319	.260	.214	.273	.224	.186	.188	.156	.131	.109	.092	.078	.035	.030	.026	
5.0	.311	.250	.205	.267	.216	.178	.184	.151	.126	.107	.089	.075	.034	.029	.025	
6.0	.304	.242	.197	.261	.209	.172	.180	.147	.122	.104	.086	.072	.034	.028	.024	
7.0	.297	.235	.192	.255	.204	.168	.176	.143	.119	.102	.084	.071	.033	.028	.023	
8.0	.290	.230	.188	.250	.199	.164	.173	.140	.116	.101	.083	.069	.033	.027	.023	
9.0	.284	.225	.185	.245	.195	.162	.170	.137	.115	.099	.081	.068	.032	.027	.023	
10.0	.278	.221	.183	.240	.192	.159	.166	.135	.113	.097	.080	.068	.031	.026	.022	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Water
Test Date:2024-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm										
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK					TYPE: N/A			WEIGHT: N/A		
SPEC.: 6500K					DIM.: N/A			SERIAL No.: N/A		
MFR.: ASD Lighting Corp					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	12.5	13.8	13.0	14.4	15.0	12.4	13.7	12.9	14.3	14.9
3H	14.7	15.9	15.2	16.5	17.1	14.5	15.8	15.1	16.3	17.0
4H	15.8	16.9	16.3	17.5	18.2	15.6	16.8	16.2	17.3	18.0
6H	16.9	18.0	17.5	18.6	19.3	16.7	17.8	17.3	18.4	19.1
8H	17.4	18.5	18.0	19.1	19.8	17.2	18.3	17.8	18.9	19.6
12H	18.0	19.1	18.7	19.7	20.4	17.8	18.9	18.5	19.5	20.2
4H 2H	13.2	14.4	13.8	15.0	15.6	13.1	14.3	13.7	14.9	15.5
3H	15.6	16.6	16.2	17.2	17.9	15.5	16.5	16.1	17.1	17.8
4H	16.8	17.8	17.5	18.4	19.1	16.7	17.6	17.3	18.3	19.0
6H	18.1	18.9	18.8	19.6	20.4	17.9	18.8	18.6	19.4	20.2
8H	18.8	19.5	19.4	20.2	21.0	18.6	19.4	19.3	20.0	20.8
12H	19.5	20.2	20.2	20.9	21.7	19.3	20.0	20.0	20.7	21.5
8H 4H	17.3	18.0	17.9	18.7	19.5	17.1	17.9	17.8	18.6	19.4
6H	18.8	19.4	19.5	20.2	21.0	18.7	19.3	19.4	20.0	20.9
8H	19.6	20.2	20.3	20.9	21.8	19.5	20.1	20.2	20.8	21.6
12H	20.5	21.0	21.3	21.8	22.7	20.4	20.9	21.1	21.6	22.5
12H 4H	17.3	18.1	18.0	18.8	19.6	17.2	17.9	17.9	18.6	19.5
6H	19.0	19.5	19.7	20.3	21.1	18.8	19.4	19.6	20.2	21.0
8H	19.9	20.4	20.6	21.1	22.0	19.7	20.3	20.5	21.0	21.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 1682 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.8)
Area: 0.192875 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Water
Test Date:2024-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

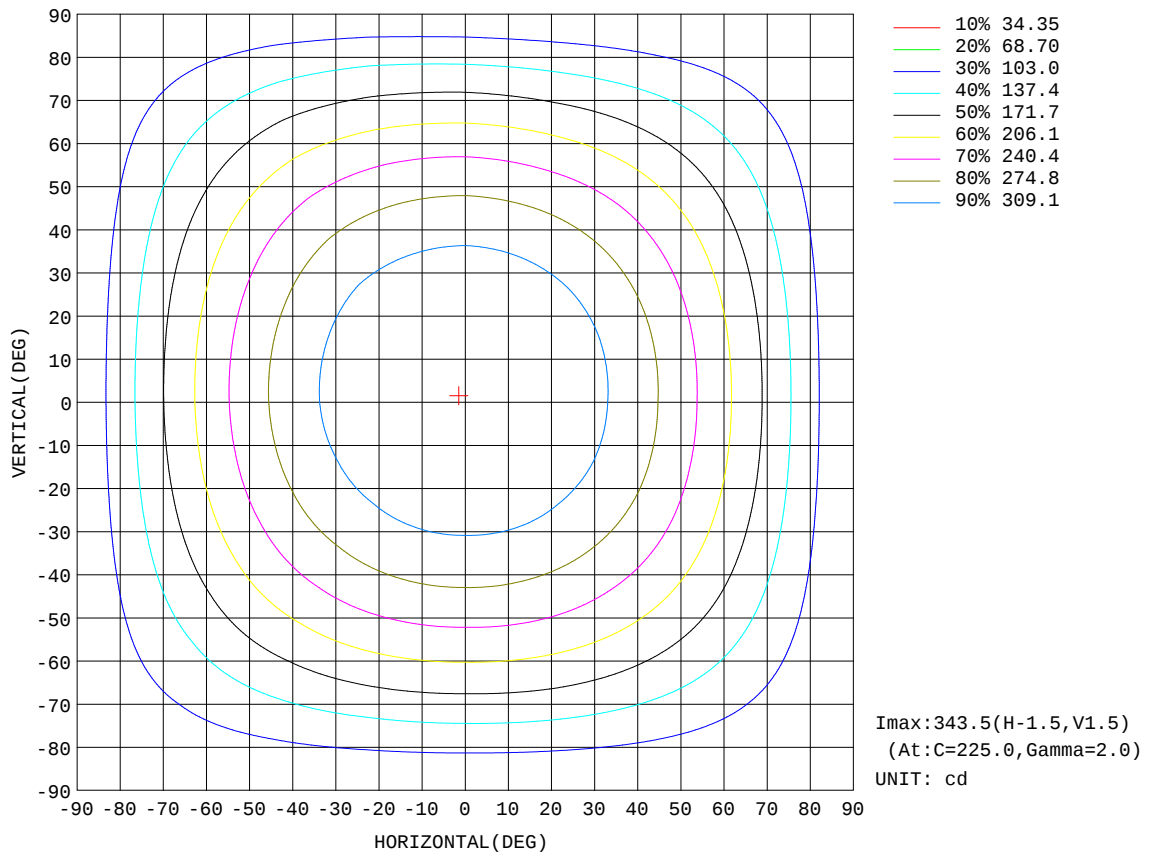
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	28	46	35	28	44	33	27	20
0.80	57	44	36	55	43	35	52	41	34	26
1.00	65	52	43	62	51	43	58	51	41	32
1.25	72	59	51	69	58	50	64	55	48	38
1.50	77	65	56	74	63	55	69	59	53	42
2.00	84	73	65	81	71	64	75	67	60	48
2.50	89	79	71	85	76	69	78	71	65	52
3.00	92	83	76	88	80	74	81	75	70	55
4.00	97	89	83	93	86	80	85	80	75	60
5.00	100	93	88	96	90	85	88	83	79	63
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:24.9DEG
 Operators:Water
 Test Date:2024-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
 Humidity:51%
 Test Distance:2.519m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

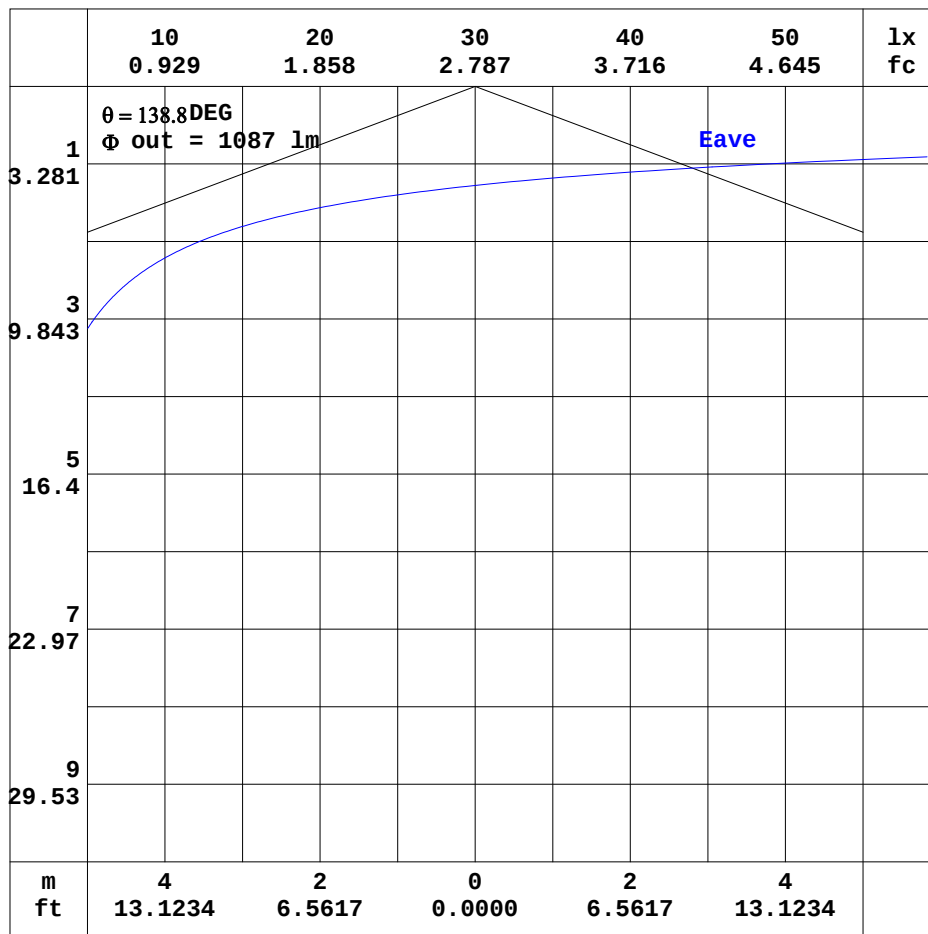


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Water
Test Date: 2024-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity: 51%
Test Distance: 2.519m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



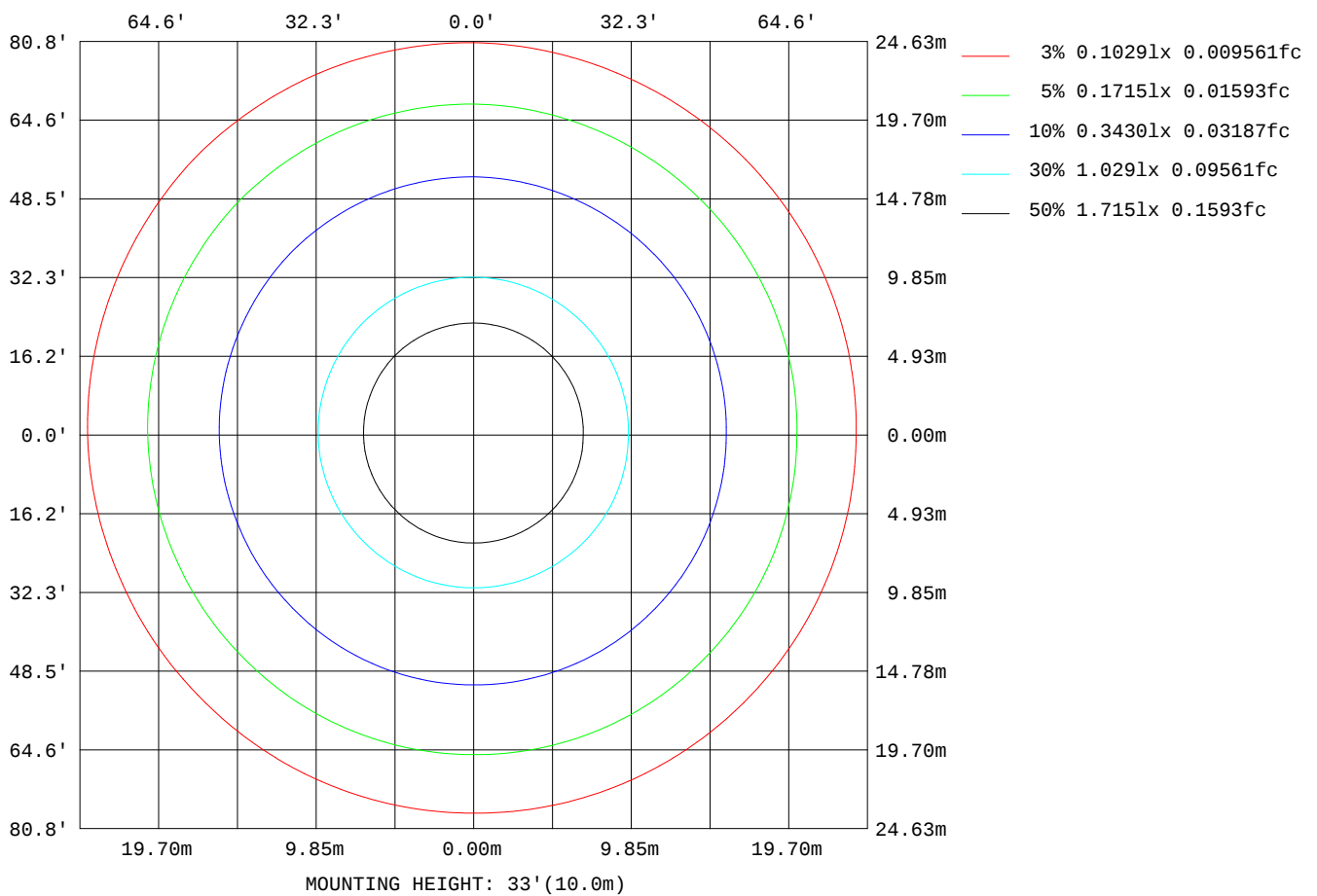
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Water
Test Date:2024-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Water
Test Date:2024-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME:ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

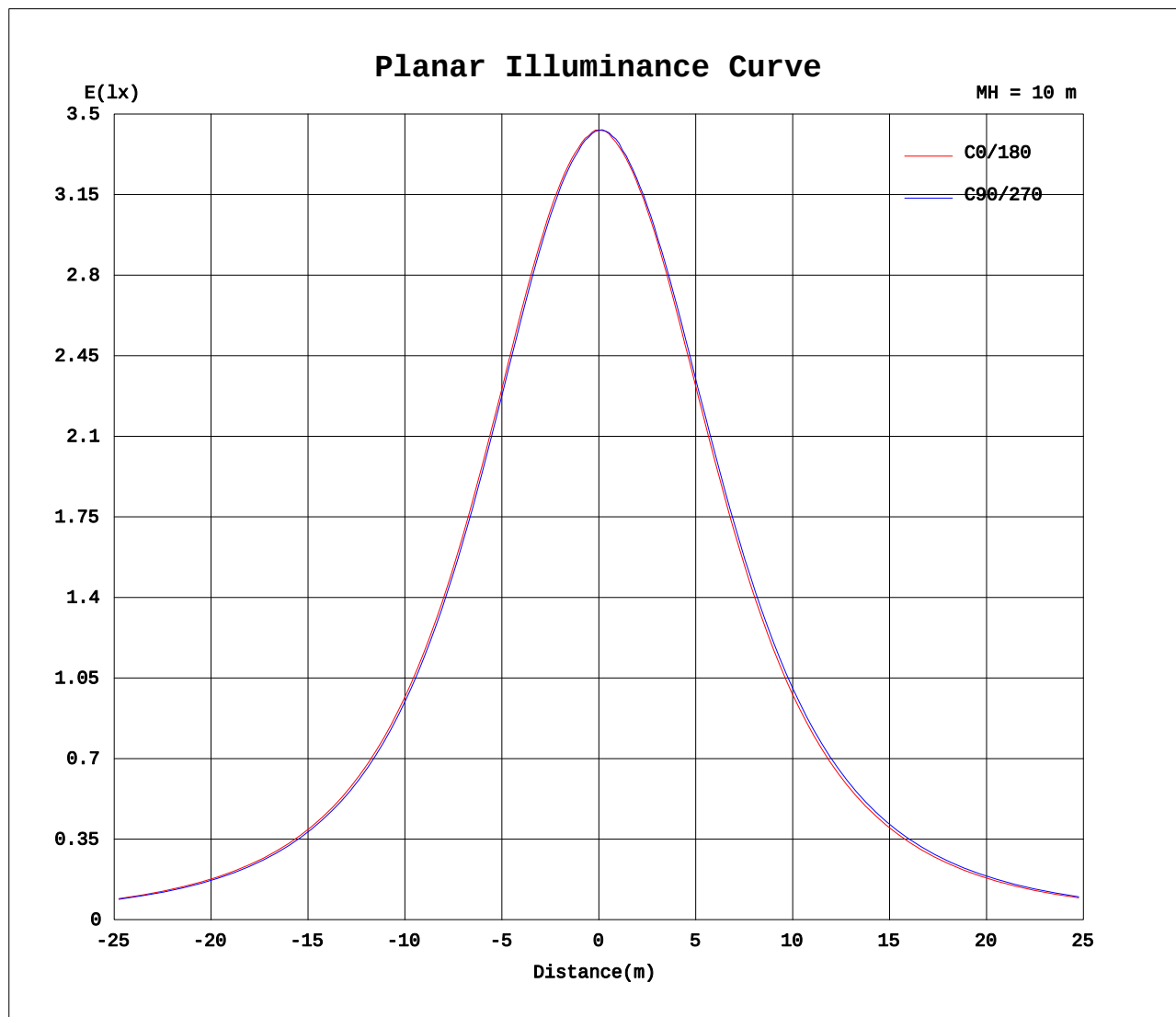
AvgL	cd/m2
L_0~180(65)av	2367
L_0~180(75)av	2865
L_0~180(85)av	5440
L_90~270(65)av	2387
L_90~270(75)av	2908
L_90~270(85)av	5551
L_45(65)av	2380
L_45(75)av	2888
L_45(85)av	5483

Standard: GB/T 29293-2012

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature: 24.9DEG
Operators: Water
Test Date: 2024-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity: 51%
Test Distance: 2.519m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.2444A P:27.570W PF:0.9393 Freq:60.00Hz Lamp Flux:1681.78x1 lm		
NAME: ASD-LOFT-FM-16D28SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	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	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343			
5	341	342	341	340	341	340	341	341	342	342	343	343	343	342	342	342			
10	339	339	338	338	338	338	338	339	340	340	341	341	341	341	340	340			
15	337	336	336	334	334	334	335	336	337	338	340	339	339	338	338	337			
20	332	331	330	329	329	329	329	331	333	334	336	336	336	335	335	333			
25	325	324	323	321	321	321	322	324	326	328	331	330	331	329	329	327			
30	316	315	313	312	311	312	312	315	317	320	322	322	323	321	320	319			
35	304	303	301	300	299	299	300	303	306	309	312	312	312	310	309	307			
40	290	289	287	285	284	285	286	289	293	296	299	300	300	297	296	293			
45	274	273	271	269	268	268	269	272	277	280	284	285	285	282	280	277			
50	256	254	252	251	249	250	251	254	259	263	267	268	267	264	262	259			
55	235	234	232	230	229	229	231	234	239	243	249	249	248	244	242	239			
60	213	212	210	209	207	208	209	212	218	223	228	229	227	223	220	217			
65	191	189	187	186	184	184	185	189	195	200	206	206	205	200	197	194			
70	166	165	163	162	160	160	161	165	171	177	182	183	181	176	173	170			
75	140	139	137	136	135	134	136	139	146	151	157	158	156	150	147	143			
80	114	113	112	111	110	110	111	114	121	126	130	132	129	124	121	118			
85	88.6	87.6	86.9	86.2	85.4	85.2	86.3	88.5	94.3	98.2	102	103	101	96.9	93.2	90.9			
90	70.6	70.6	70.8	70.1	69.7	69.3	69.9	70.5	73.0	75.9	78.5	79.2	77.6	74.7	72.5	71.6			
95	62.7	65.6	66.5	66.1	65.9	65.4	65.7	65.5	63.1	68.6	70.1	70.7	69.3	67.8	66.6	66.1			
100	57.3	58.6	62.3	62.4	62.6	62.2	62.2	59.4	58.2	62.3	65.7	66.5	65.2	63.8	62.2	59.5			
105	56.3	55.8	60.3	60.8	61.1	60.7	60.4	56.3	57.5	58.3	63.5	64.4	63.4	61.8	60.1	55.8			
110	55.0	54.9	58.4	58.9	59.4	58.9	58.5	55.3	56.3	56.8	61.3	61.8	61.7	60.0	58.5	54.3			
115	53.8	53.5	56.3	57.2	57.5	57.2	56.4	54.1	55.0	55.5	59.0	59.8	59.8	58.2	56.7	53.5			
120	52.3	52.1	54.3	55.4	55.2	55.3	54.3	52.6	53.3	53.9	56.7	57.8	57.6	56.4	54.9	52.4			
125	51.0	50.8	52.4	53.4	53.2	53.4	52.4	51.3	51.6	52.3	54.6	55.7	55.2	54.5	53.0	51.2			
130	49.6	49.5	50.7	51.5	51.3	51.6	50.6	49.8	49.9	50.6	52.6	53.5	53.2	52.7	51.4	49.9			
135	48.3	48.6	49.4	49.9	49.7	50.0	49.3	48.5	48.5	49.2	50.5	51.5	51.2	50.8	49.7	48.6			
140	47.1	47.3	48.1	48.4	48.2	48.4	48.0	47.3	47.3	47.9	48.9	49.7	49.5	49.1	48.1	47.3			
145	45.8	45.4	46.6	47.0	46.7	46.9	46.6	46.0	46.0	46.5	47.2	47.9	47.9	47.5	46.5	45.9			
150	44.4	44.2	44.5	44.8	45.0	45.2	44.9	44.4	44.7	44.7	45.5	46.1	45.3	45.5	44.9	44.3			
155	43.4	43.1	43.3	43.5	43.5	43.7	43.5	43.2	43.4	42.9	43.4	44.0	44.0	43.9	43.5	42.9			
160	41.7	41.3	41.1	41.5	41.4	41.6	41.3	41.2	41.3	41.0	41.7	41.8	42.1	42.0	41.7	41.3			
165	37.9	37.2	36.6	36.5	36.2	36.5	36.0	36.9	37.7	37.9	38.8	39.2	38.2	39.0	39.0	38.5			
170	31.0	30.6	29.5	29.5	29.3	29.6	30.2	30.3	30.3	30.9	31.4	31.3	31.7	31.5	31.8	32.2			
175	25.9	25.7	25.4	24.7	24.6	25.2	25.2	25.6	25.4	25.7	26.1	26.8	26.5	26.3	27.1	26.9			
180	33.5	33.9	33.7	34.2	34.2	34.5	34.2	34.5	33.5	33.9	33.7	34.2	34.3	34.6	34.3	34.5			

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