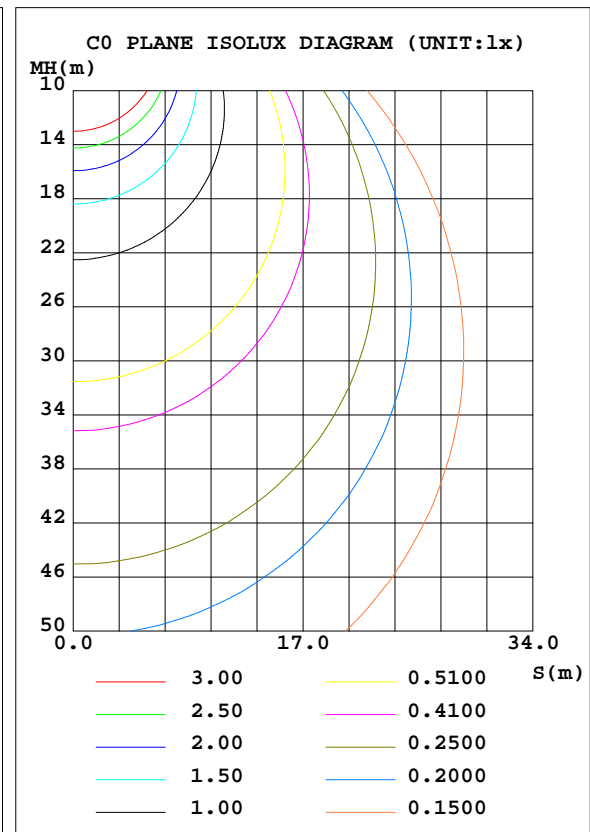
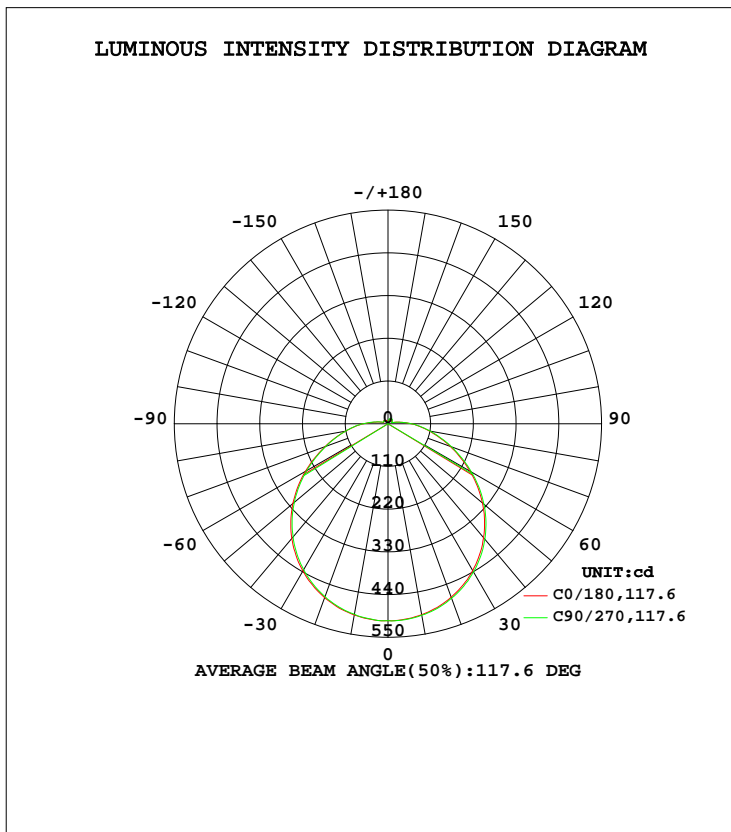


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.81 lm/W			
MODEL	ASD-LFMMR-13D20CC-NK 3000K	Imax(cd)	508.0	S/MH(C0/180)	1.28
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1400	η UP, DN(C0-180)	3.2,46.7
NOMINAL FLUX(lm)	1400	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.3,46.9
LAMPS INSIDE	1	η up(%)	6.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	93.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [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	500.1	498.4	498.0	498.5	499.2	500.5	500.5	499.4	0- 10	48.04	48.04	2.76,2.76
20	476.7	474.5	473.8	475.4	475.6	477.6	478.1	475.9	10- 20	138.2	186.3	10.7,10.7
30	437.9	434.9	434.0	435.9	436.3	439.0	440.4	437.9	20- 30	211.3	397.5	22.9,22.9
40	385.2	381.3	380.1	382.6	382.9	386.5	387.9	384.9	30- 40	257.9	655.4	37.7,37.7
50	320.0	315.6	315.0	317.4	317.5	321.2	322.3	319.1	40- 50	271.9	927.3	53.4,53.4
60	245.8	242.0	241.5	244.1	243.5	247.2	248.1	245.2	50- 60	252.3	1180	67.9,67.9
70	172.7	170.5	170.4	171.5	170.6	173.5	174.2	171.8	60- 70	205.5	1385	79.7,79.7
80	111.7	111.4	111.7	111.2	108.0	109.8	110.4	108.7	70- 80	147.8	1533	88.2,88.2
90	63.15	64.12	64.52	63.58	60.06	60.55	60.73	60.04	80- 90	93.04	1626	93.5,93.5
100	26.80	28.24	28.67	27.34	24.73	24.48	24.42	24.38	90-100	46.39	1672	96.2,96.2
110	11.17	12.68	12.70	10.95	9.704	9.697	9.818	9.838	100-110	17.46	1690	97.2,97.2
120	12.87	13.38	13.36	11.88	11.81	12.50	12.83	12.46	110-120	11.64	1701	97.9,97.9
130	13.40	11.48	11.37	12.42	13.28	14.71	14.92	14.08	120-130	11.71	1713	98.6,98.6
140	12.36	8.224	7.794	11.25	13.84	15.58	16.06	14.39	130-140	9.993	1723	99.1,99.1
150	10.24	5.411	4.944	9.468	13.31	16.15	16.39	14.43	140-150	7.476	1731	99.6,99.6
160	8.084	3.497	3.027	7.834	10.66	13.28	14.53	11.92	150-160	4.771	1735	99.8,99.8
170	5.292	2.520	2.206	5.627	8.270	9.495	10.27	8.836	160-170	2.273	1738	100,100
180	1.112	2.124	2.106	0.6690	1.871	2.901	4.122	2.667	170-180	0.4963	1738	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 791.74 lm

%lum = 45.6%

%lamp = 45.6%

Conical surface Flux(120deg): 1179.6 lm

%lum = 67.9%

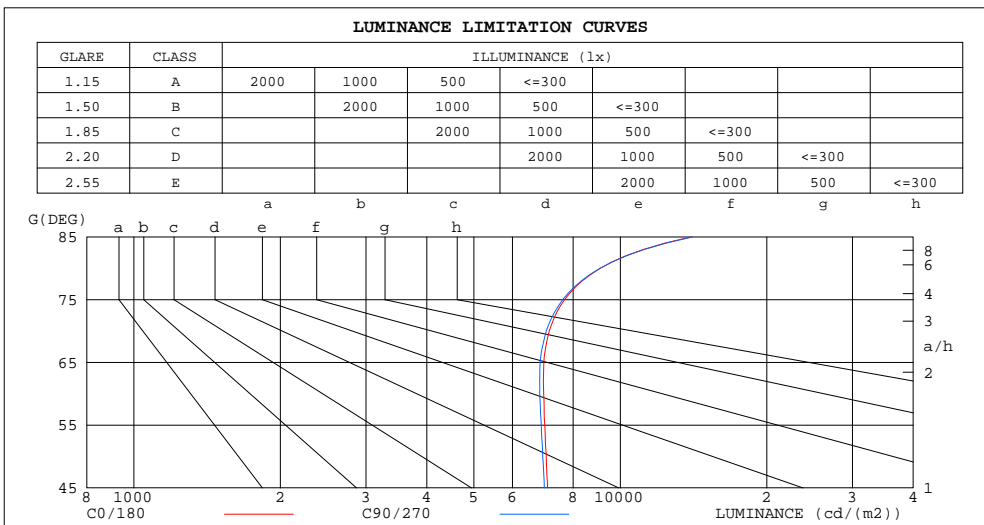
%lamp = 67.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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	13993	14108
80	9100	9092
75	7682	7616
70	7144	7043
65	6964	6843
60	6955	6828
55	6994	6876
50	7043	6926
45	7085	6978

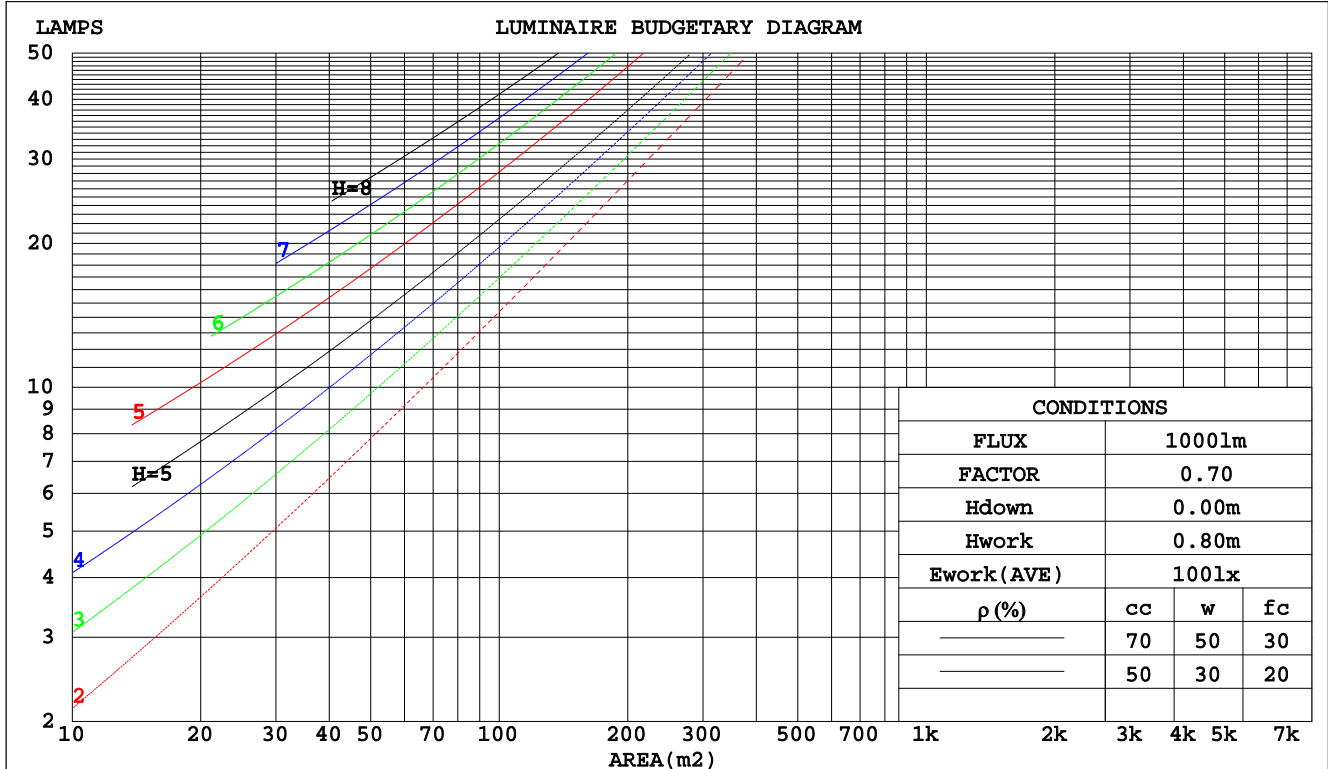
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.96	.96	.96	.94
1.0	.00	.95	.91	.97	.93	.89	.92	.88	.85	.86	.83	.81	.82	.79	.77	.75
2.0	.86	.79	.73	.84	.77	.71	.79	.73	.69	.75	.70	.66	.71	.67	.64	.61
3.0	.75	.67	.60	.73	.65	.59	.69	.62	.57	.66	.60	.55	.62	.57	.53	.51
4.0	.66	.57	.50	.65	.56	.49	.61	.54	.48	.58	.52	.47	.55	.50	.45	.43
5.0	.59	.50	.43	.58	.49	.42	.55	.47	.41	.52	.45	.40	.50	.44	.39	.37
6.0	.53	.44	.37	.52	.43	.37	.49	.42	.36	.47	.40	.35	.45	.39	.34	.32
7.0	.48	.39	.33	.47	.38	.32	.45	.37	.32	.43	.36	.31	.41	.35	.30	.28
8.0	.44	.35	.29	.43	.35	.29	.41	.34	.28	.39	.33	.28	.38	.32	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.38	.30	.25	.36	.30	.25	.35	.29	.24	.23
10.0	.37	.29	.24	.36	.29	.23	.35	.28	.23	.33	.27	.23	.32	.26	.22	.20



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	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	.355	.202	.064	.346	.197	.063	.328	.188	.060	.313	.180	.058	.298	.173	.056	
2.0	.317	.174	.053	.308	.170	.052	.293	.163	.051	.279	.157	.049	.266	.150	.047	
3.0	.286	.152	.046	.279	.149	.045	.265	.144	.044	.252	.138	.042	.240	.133	.041	
4.0	.260	.135	.040	.253	.133	.039	.241	.128	.038	.230	.123	.037	.219	.119	.036	
5.0	.238	.121	.035	.232	.119	.035	.221	.115	.034	.211	.111	.033	.201	.108	.032	
6.0	.219	.110	.031	.214	.108	.031	.204	.105	.030	.195	.101	.030	.186	.098	.029	
7.0	.203	.100	.028	.198	.099	.028	.189	.096	.028	.181	.093	.027	.173	.090	.026	
8.0	.189	.092	.026	.185	.091	.026	.176	.088	.025	.169	.085	.025	.162	.083	.024	
9.0	.176	.085	.024	.173	.084	.024	.165	.082	.023	.158	.079	.023	.152	.077	.022	
10.0	.165	.079	.022	.162	.078	.022	.155	.076	.021	.149	.074	.021	.143	.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	.240	.240	.240	.205	.205	.205	.140	.140	.140	.080	.080	.080	.026	.026	.026	
1.0	.233	.205	.180	.199	.176	.155	.136	.121	.107	.078	.070	.062	.025	.023	.020	
2.0	.225	.182	.145	.193	.156	.125	.132	.108	.087	.076	.063	.051	.024	.020	.017	
3.0	.218	.165	.122	.187	.142	.106	.128	.099	.074	.074	.058	.044	.024	.019	.014	
4.0	.210	.152	.107	.180	.131	.093	.124	.091	.066	.072	.053	.039	.023	.017	.013	
5.0	.202	.141	.097	.174	.122	.084	.120	.086	.059	.069	.050	.035	.022	.016	.012	
6.0	.195	.133	.089	.167	.115	.078	.116	.081	.055	.067	.048	.033	.022	.016	.011	
7.0	.188	.126	.084	.162	.110	.073	.112	.077	.052	.065	.045	.031	.021	.015	.010	
8.0	.181	.121	.079	.156	.105	.069	.108	.074	.049	.063	.043	.029	.020	.014	.010	
9.0	.175	.116	.076	.151	.101	.066	.104	.071	.047	.061	.042	.028	.020	.014	.009	
10.0	.169	.112	.073	.146	.097	.064	.101	.068	.045	.059	.040	.027	.019	.013	.009	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm										
NAME: ASD-LFMMR-13D20CC-NK 3000K					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					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	19.1	20.6	19.5	20.9	21.3	19.1	20.6	19.4	20.9	21.2
3H	21.0	22.3	21.3	22.7	23.1	20.9	22.3	21.3	22.6	23.0
4H	21.9	23.2	22.3	23.5	23.9	21.8	23.1	22.2	23.5	23.9
6H	22.8	24.0	23.2	24.4	24.8	22.7	24.0	23.2	24.4	24.8
8H	23.3	24.5	23.7	24.9	25.3	23.2	24.4	23.7	24.8	25.3
12H	23.8	25.0	24.3	25.4	25.8	23.8	24.9	24.2	25.4	25.8
4H 2H	19.8	21.1	20.2	21.5	21.9	19.7	21.0	20.1	21.4	21.8
3H	21.8	23.0	22.3	23.4	23.8	21.8	22.9	22.2	23.3	23.8
4H	22.9	23.9	23.4	24.4	24.9	22.8	23.9	23.3	24.3	24.8
6H	24.0	24.9	24.5	25.4	25.9	24.0	24.9	24.5	25.4	25.9
8H	24.6	25.5	25.1	26.0	26.5	24.6	25.4	25.1	25.9	26.5
12H	25.2	26.1	25.8	26.6	27.1	25.2	26.1	25.8	26.6	27.1
8H 4H	23.3	24.2	23.8	24.7	25.2	23.3	24.1	23.8	24.6	25.2
6H	24.7	25.4	25.2	25.9	26.5	24.6	25.4	25.2	25.9	26.5
8H	25.4	26.1	26.0	26.6	27.2	25.4	26.1	26.0	26.6	27.2
12H	26.3	26.9	26.9	27.4	28.1	26.3	26.9	26.9	27.4	28.1
12H 4H	23.4	24.2	23.9	24.7	25.2	23.3	24.2	23.9	24.7	25.2
6H	24.8	25.5	25.4	26.0	26.6	24.8	25.5	25.4	26.0	26.6
8H	25.7	26.3	26.3	26.8	27.5	25.7	26.3	26.3	26.8	27.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1738 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

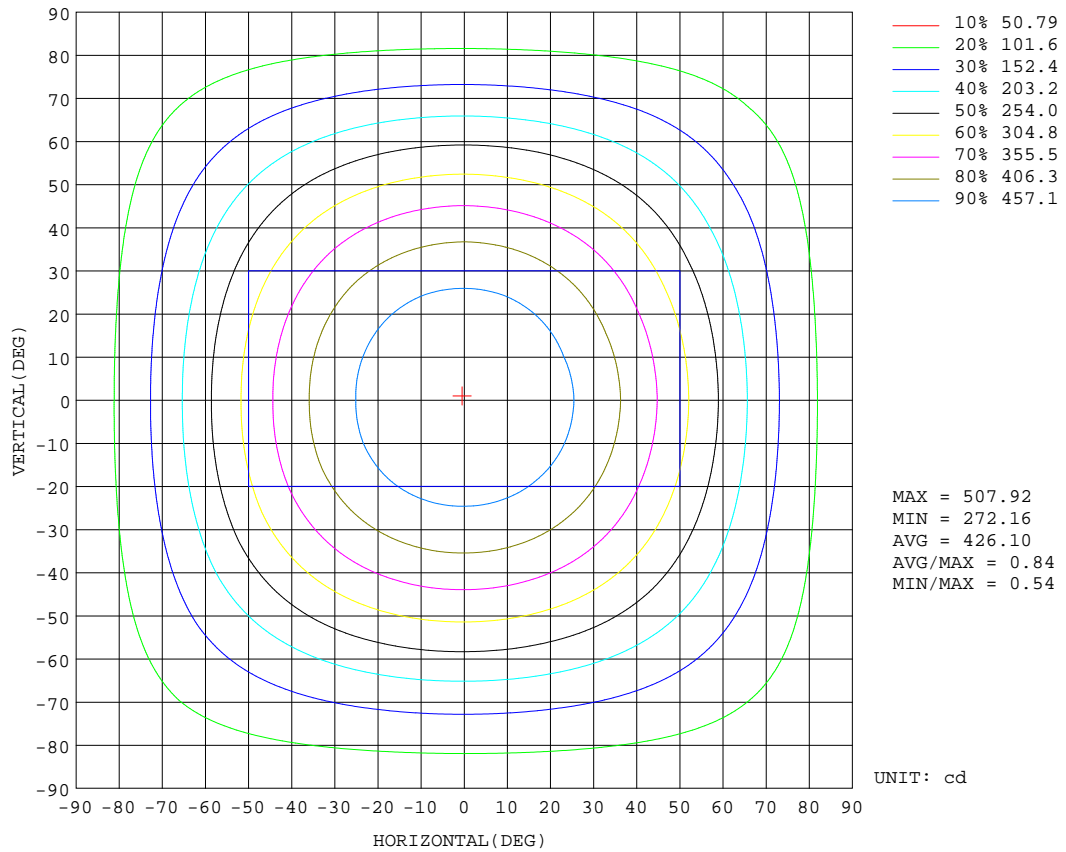
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	53	41	34	51	40	34	27
0.80	63	51	43	62	50	43	60	49	42	35
1.00	71	59	51	70	58	51	67	59	50	42
1.25	78	67	59	76	66	58	73	64	57	49
1.50	83	72	64	81	71	64	77	69	62	53
2.00	90	80	73	88	79	72	83	76	70	61
2.50	94	85	78	92	83	77	87	80	75	65
3.00	98	90	83	95	88	82	90	84	79	69
4.00	102	95	90	99	93	88	94	89	84	73
5.00	105	99	94	102	96	92	96	92	88	77
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:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

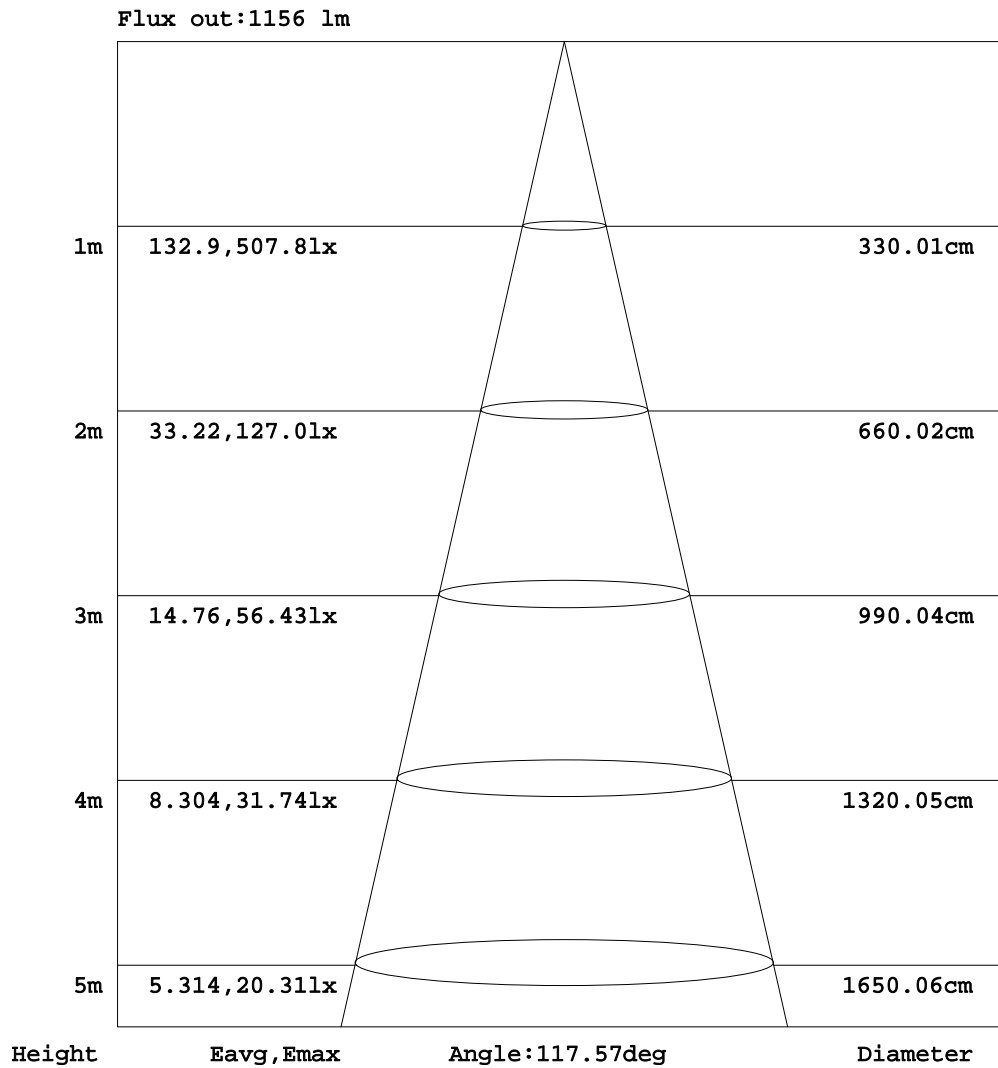


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



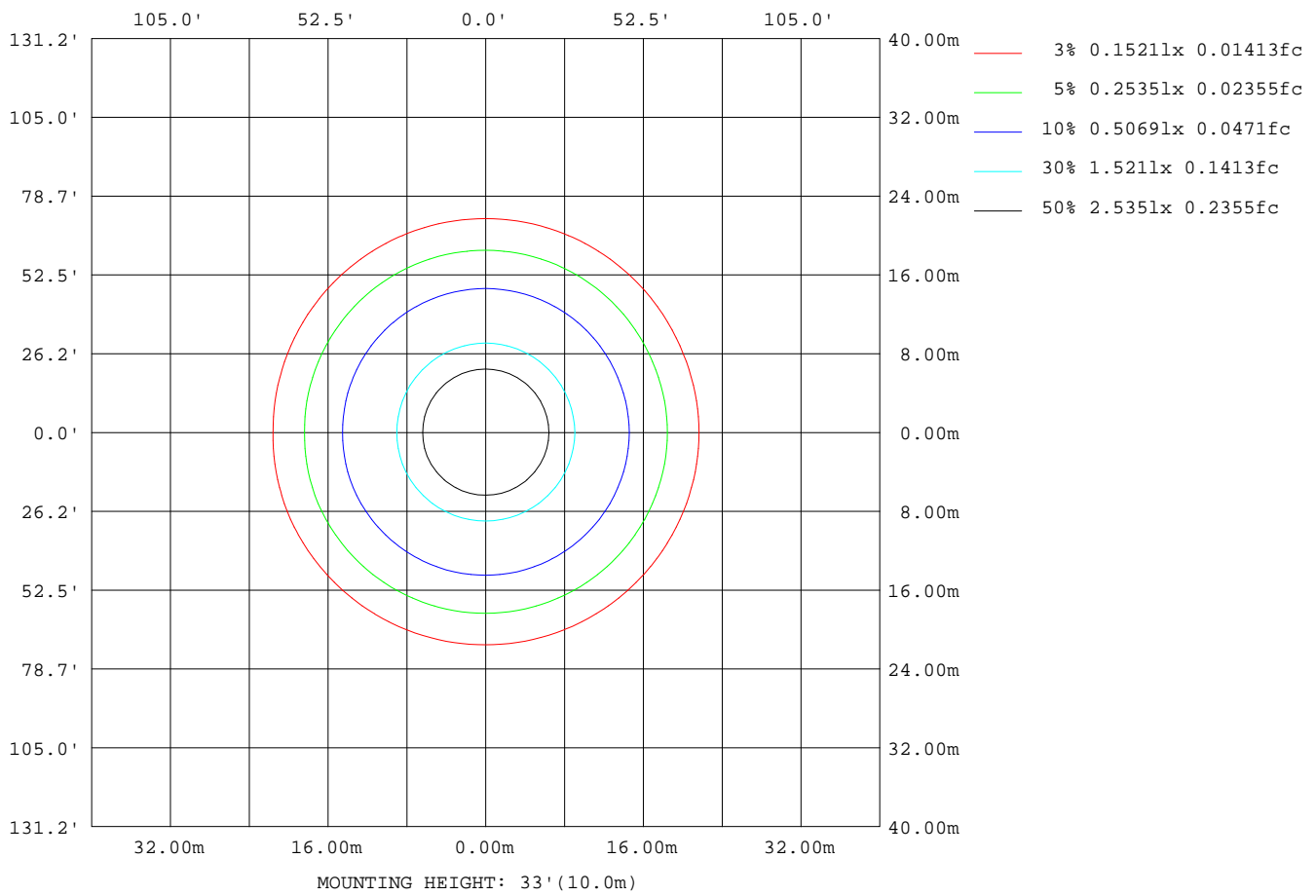
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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:25.6DEG
 Operators:Carl
 Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

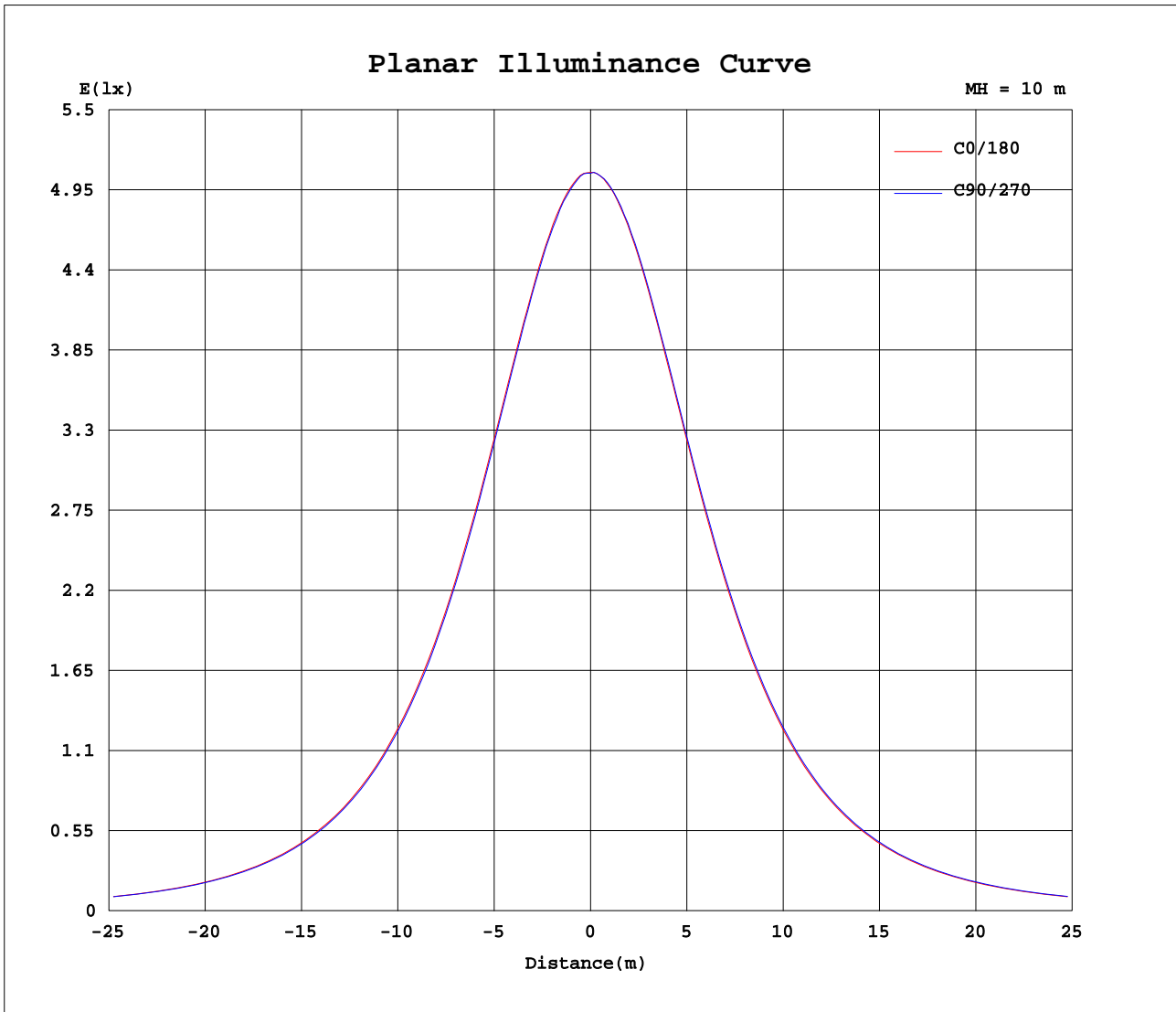
AvgL	cd/m2
L_0~180(65)av	6931
L_0~180(75)av	7593
L_0~180(85)av	13706
L_90~270(65)av	6944
L_90~270(75)av	7650
L_90~270(85)av	13878
L_45(65)av	6929
L_45(75)av	7611
L_45(85)av	13786

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:Carl
Test Date:2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:51%
Test Distance:2.526m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.6DEG
 Operators: Carl
 Test Date: 2022-05-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 51%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.1873A P:20.99W PF:0.9346 Lamp Flux:1400x1 lm		
NAME: ASD-LFMMR-13D20CC-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	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	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507			
5	506	505	505	504	505	504	504	504	505	506	506	506	506	506	506	504			
10	500	499	498	498	498	498	499	499	499	500	500	501	501	500	499	499			
15	491	489	488	488	488	488	488	489	490	490	491	491	492	491	490	489			
20	477	475	474	474	474	474	475	476	476	476	478	478	478	477	476	475			
25	459	458	457	455	456	456	457	458	458	459	460	461	461	460	459	457			
30	438	436	435	434	434	434	436	438	436	437	439	439	440	439	438	436			
35	413	411	410	409	409	409	411	412	411	413	414	415	416	414	413	411			
40	385	383	381	380	380	381	383	385	383	385	387	387	388	387	385	383			
45	354	351	350	349	349	350	351	353	352	353	355	356	357	355	354	352			
50	320	317	316	314	315	315	317	320	317	319	321	322	322	321	319	317			
55	284	281	279	278	279	280	281	283	281	283	285	285	286	284	283	281			
60	246	243	242	241	242	242	244	246	244	246	247	247	248	247	245	243			
65	208	206	205	204	205	205	206	208	206	208	209	210	210	209	207	205			
70	173	171	170	170	170	170	171	173	171	172	173	174	174	173	172	170			
75	141	140	139	139	139	139	140	141	137	138	140	140	140	139	138	137			
80	112	111	111	111	112	111	111	112	108	109	110	110	110	110	109	108			
85	86.2	86.5	86.8	86.9	87.0	86.6	86.2	86.1	82.6	82.8	83.6	83.8	83.9	83.4	83.0	82.6			
90	63.1	63.5	64.1	64.4	64.5	64.1	63.6	63.3	60.1	60.3	60.6	60.6	60.7	60.4	60.0	59.7			
95	42.5	43.1	43.7	44.1	44.1	43.7	43.0	42.6	40.0	40.0	40.0	39.9	39.9	39.8	39.7	39.8			
100	26.8	27.5	28.2	28.7	28.7	28.1	27.3	26.8	24.7	24.5	24.5	24.3	24.4	24.4	24.4	24.6			
105	15.9	16.8	17.6	17.9	17.9	17.3	16.4	15.8	14.3	14.0	13.8	13.6	13.6	13.7	13.8	14.2			
110	11.2	12.0	12.7	12.9	12.7	11.8	10.9	10.3	9.70	9.60	9.70	9.78	9.82	9.92	9.84	10.3			
115	12.1	12.7	13.2	13.3	13.1	12.2	11.4	10.9	10.8	10.8	11.2	11.3	11.3	11.5	11.3	11.5			
120	12.9	13.0	13.4	13.6	13.4	12.5	11.9	11.7	11.8	12.1	12.5	12.7	12.8	12.8	12.5	12.4			
125	13.3	13.2	12.9	12.9	13.0	12.4	12.3	12.4	12.6	13.1	13.7	13.9	14.0	13.9	13.4	13.2			
130	13.4	12.8	11.5	10.9	11.4	11.8	12.4	12.8	13.3	14.0	14.7	14.7	14.9	14.7	14.1	13.7			
135	13.1	11.6	9.82	8.98	9.44	10.4	12.1	13.0	13.8	14.7	15.4	15.3	15.6	15.4	14.4	13.8			
140	12.4	10.2	8.22	7.21	7.79	9.11	11.3	12.9	13.8	15.2	15.6	16.0	16.1	15.6	14.4	13.7			
145	11.2	8.97	6.74	5.54	6.29	7.94	10.3	12.3	14.0	15.3	15.9	16.3	16.2	15.8	14.5	13.0			
150	10.2	7.74	5.41	3.91	4.94	6.81	9.47	11.3	13.3	14.8	16.2	16.6	16.4	15.8	14.4	12.0			
155	9.25	6.83	4.14	2.52	3.77	5.97	8.71	10.6	11.9	13.3	15.3	16.1	16.1	15.0	13.4	11.4			
160	8.08	5.92	3.50	2.48	3.03	5.32	7.83	9.72	10.7	11.5	13.3	14.4	14.5	13.6	11.9	10.3			
165	6.37	4.82	3.31	2.48	3.06	4.48	6.14	8.78	9.27	9.70	11.4	12.3	12.4	11.9	10.6	9.11			
170	5.29	3.87	2.52	2.44	2.21	3.50	5.63	7.15	8.27	8.39	9.49	10.1	10.3	9.76	8.84	7.89			
175	2.91	1.82	1.67	1.45	1.59	2.33	3.81	5.19	5.34	5.40	6.67	7.46	7.66	7.41	6.57	5.99			
180	1.11	1.52	2.12	2.10	2.11	1.53	0.67	2.47	1.87	1.95	2.90	3.66	4.12	3.58	2.67	1.94			

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