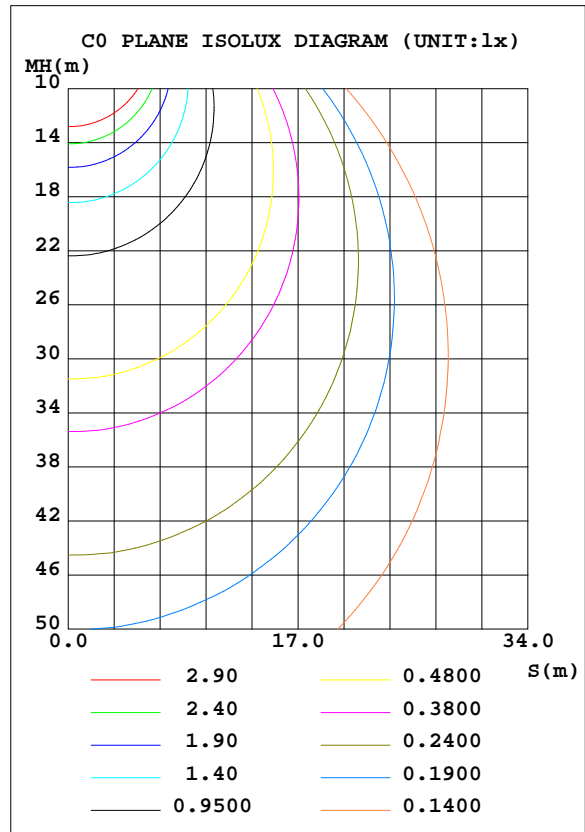
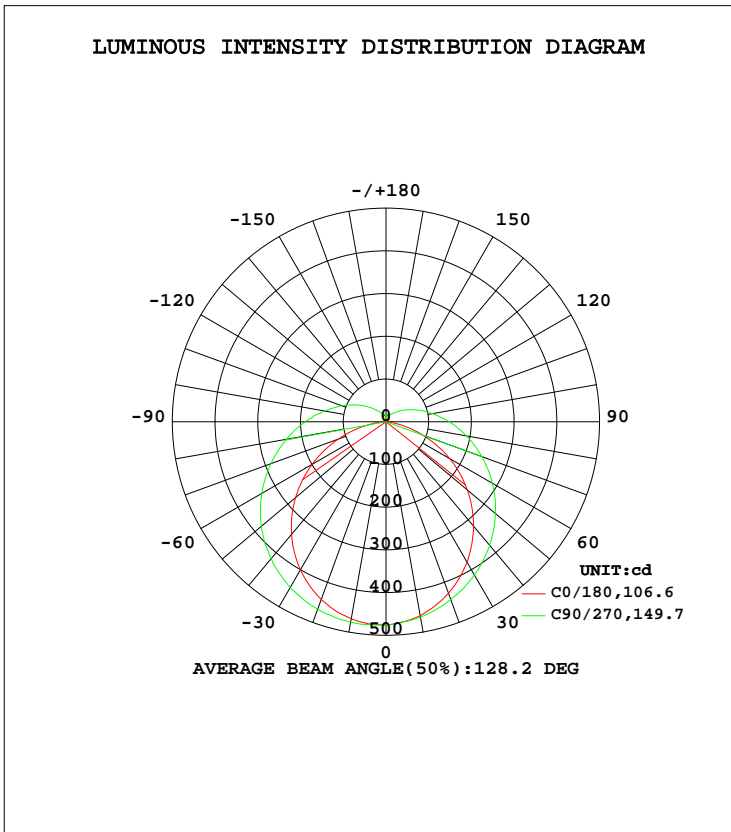


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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: 78.5 lm/W			
MODEL ASD-LVF21-18D20CC-NK/BZ/BK 5000K	Imax(cd)	477.9	S/MH(C0/180)	1.20	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1570	η UP, DN(C0-180)	7.8,45.5
NOMINAL FLUX(lm)	1570	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	5.9,40.7
LAMPS INSIDE	1	η up(%)	13.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	86.3	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 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	468.3	474.4	475.8	469.8	461.0	460.8	464.4	465.5	0- 10	45.00	45.00	2.36,2.36
20	442.8	458.7	467.1	448.9	427.7	431.6	442.6	440.1	10- 20	129.3	174.3	9.14,9.14
30	400.6	429.3	448.1	415.4	379.6	391.3	414.1	403.3	20- 30	197.8	372.2	19.5,19.5
40	344.0	388.3	418.3	370.9	319.1	342.4	377.5	356.3	30- 40	243.2	615.3	32.3,32.3
50	276.3	337.7	380.4	318.7	248.6	287.5	334.2	301.9	40- 50	261.3	876.6	46,46
60	200.0	280.9	335.7	262.1	171.7	230.4	287.3	243.9	50- 60	252.0	1129	59.2,59.2
70	118.9	222.6	286.4	205.3	92.00	175.6	239.0	186.8	60- 70	219.3	1348	70.7,70.7
80	42.37	167.7	236.7	153.4	24.28	126.1	191.4	134.0	70- 80	172.3	1520	79.7,79.7
90	0.4467	121.9	189.4	111.2	0.1148	87.30	148.3	92.11	80- 90	124.3	1645	86.3,86.3
100	1.002	86.39	145.9	78.98	1.154	59.48	110.7	61.71	90-100	87.85	1732	90.9,90.9
110	3.283	60.08	110.0	55.47	3.869	40.53	80.24	41.14	100-110	61.18	1794	94.1,94.1
120	5.736	41.52	79.09	39.03	6.949	28.11	56.26	27.99	110-120	41.47	1835	96.3,96.3
130	7.871	29.07	54.55	27.83	9.781	20.40	38.21	20.16	120-130	27.39	1862	97.7,97.7
140	10.41	21.27	36.33	20.95	12.01	17.92	25.59	17.78	130-140	17.85	1880	98.6,98.6
150	13.26	18.58	24.31	18.53	14.43	16.67	20.41	17.54	140-150	11.94	1892	99.3,99.3
160	15.74	17.51	19.62	17.13	16.78	16.61	18.00	17.44	150-160	8.169	1900	99.7,99.7
170	13.49	17.00	17.90	15.83	12.83	13.20	16.97	17.52	160-170	4.812	1905	99.9,99.9
180	10.67	8.443	0	7.667	10.62	9.397	6.222	2.574	170-180	1.252	1906	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 745.49 lm

%lum = 39.1%

%lamp = 39.1%

Conical surface Flux(120deg): 1128.6 lm

%lum = 59.2%

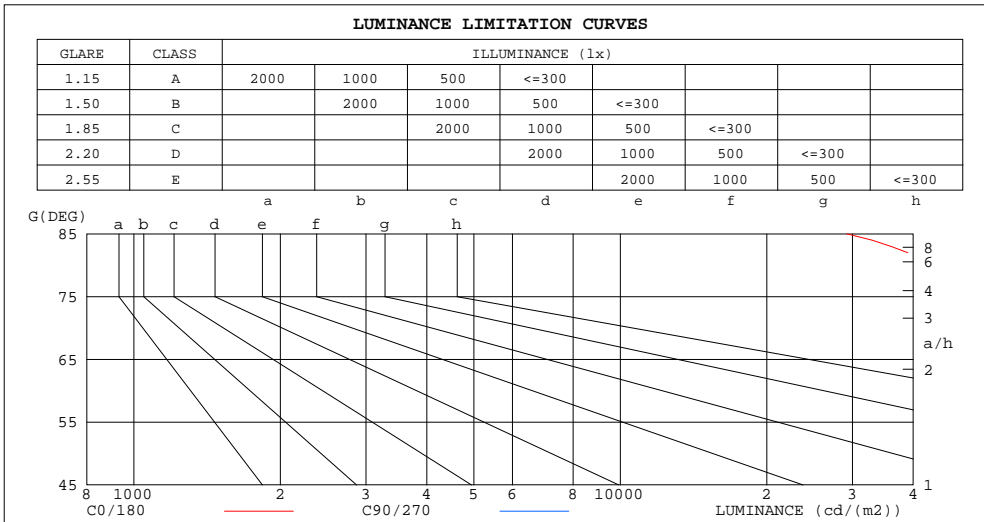
%lamp = 59.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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	29226	442250
80	44232	247104
75	55420	183212
70	63019	151775
65	68378	133561
60	72527	121710
55	75596	113405
50	77917	107267
45	79865	102780

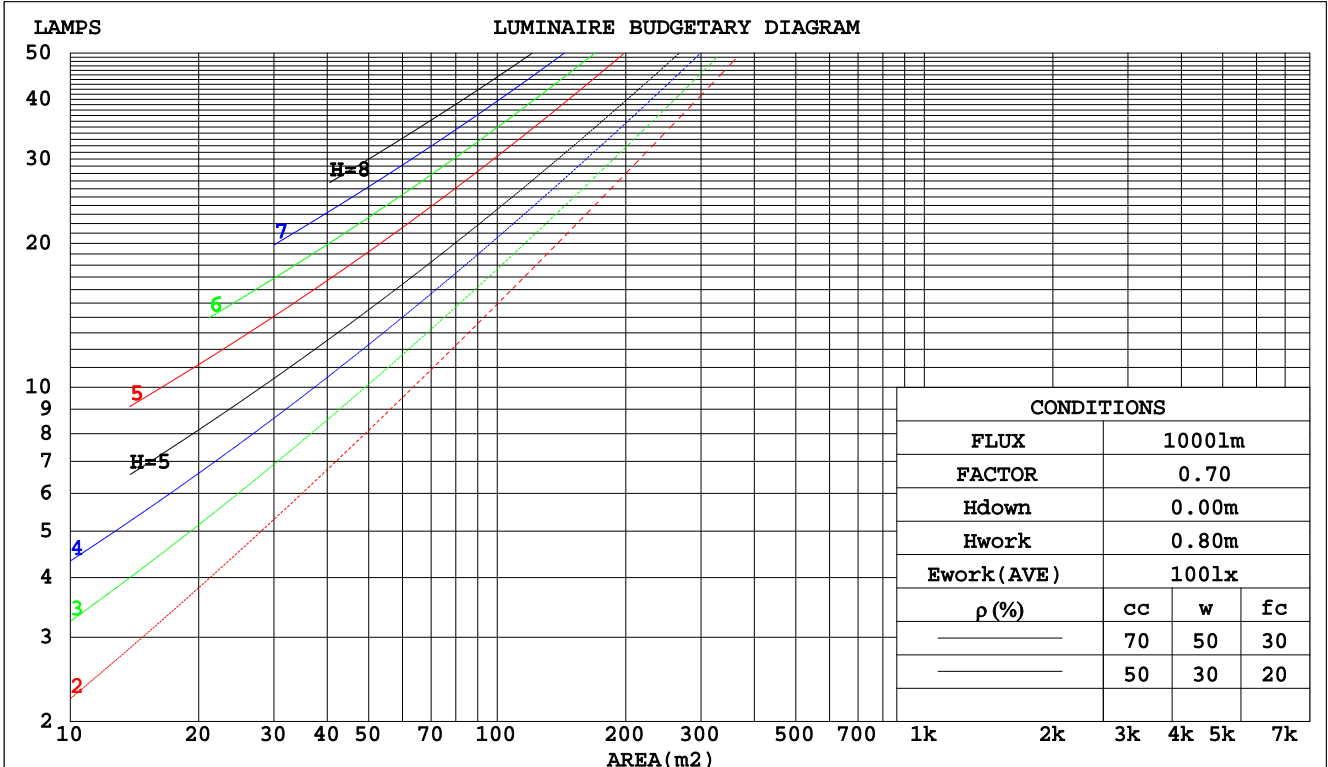
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Hill
 Test Date: 2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 44%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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
	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	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.97	.92	.88	.94	.89	.85	.87	.83	.80	.81	.78	.75	.75	.72	.70	.67
2.0	.84	.76	.69	.80	.73	.68	.75	.69	.64	.69	.64	.60	.64	.60	.57	.54
3.0	.73	.64	.57	.70	.62	.55	.65	.58	.53	.60	.55	.50	.56	.51	.47	.44
4.0	.64	.55	.47	.62	.53	.46	.57	.50	.44	.53	.47	.42	.50	.44	.40	.37
5.0	.57	.47	.40	.55	.46	.40	.51	.44	.38	.48	.41	.36	.44	.39	.35	.32
6.0	.51	.42	.35	.49	.41	.34	.46	.39	.33	.43	.37	.32	.40	.35	.30	.28
7.0	.46	.37	.31	.45	.36	.30	.42	.34	.29	.39	.33	.28	.37	.31	.27	.24
8.0	.42	.33	.27	.41	.32	.27	.38	.31	.26	.36	.29	.25	.34	.28	.24	.22
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.25	.21	.19
10.0	.35	.27	.22	.34	.27	.22	.32	.26	.21	.30	.24	.20	.29	.23	.19	.18



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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	.371	.211	.067	.360	.205	.065	.339	.194	.062	.319	.184	.059	.301	.174	.056	
2.0	.326	.178	.055	.315	.174	.054	.296	.165	.051	.278	.156	.049	.262	.148	.047	
3.0	.291	.155	.046	.282	.151	.045	.265	.143	.044	.249	.136	.042	.234	.129	.040	
4.0	.263	.137	.040	.255	.133	.039	.239	.127	.038	.225	.121	.036	.211	.115	.035	
5.0	.240	.122	.035	.233	.119	.035	.218	.114	.033	.205	.108	.032	.193	.103	.031	
6.0	.220	.111	.032	.214	.108	.031	.201	.103	.030	.189	.098	.029	.177	.093	.028	
7.0	.204	.101	.029	.197	.098	.028	.186	.094	.027	.175	.090	.026	.164	.085	.025	
8.0	.189	.092	.026	.183	.090	.026	.173	.086	.025	.163	.082	.024	.153	.079	.023	
9.0	.176	.085	.024	.171	.083	.023	.161	.080	.023	.152	.076	.022	.143	.073	.021	
10.0	.165	.079	.022	.161	.078	.022	.151	.074	.021	.143	.071	.020	.135	.068	.019	

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	.295	.295	.295	.252	.252	.252	.172	.172	.172	.099	.099	.099	.032	.032	.032	
1.0	.290	.261	.235	.248	.224	.202	.170	.154	.140	.098	.089	.081	.031	.029	.026	
2.0	.283	.238	.200	.242	.205	.173	.166	.142	.121	.096	.082	.071	.031	.027	.023	
3.0	.275	.221	.178	.236	.191	.154	.162	.133	.108	.094	.077	.064	.030	.025	.021	
4.0	.268	.209	.163	.230	.180	.142	.158	.126	.100	.091	.074	.059	.029	.024	.019	
5.0	.260	.199	.153	.223	.172	.133	.154	.120	.094	.089	.070	.056	.029	.023	.018	
6.0	.253	.191	.146	.217	.165	.127	.150	.116	.090	.087	.068	.054	.028	.022	.018	
7.0	.245	.184	.141	.211	.159	.123	.146	.112	.087	.085	.066	.052	.027	.022	.017	
8.0	.239	.178	.137	.206	.155	.119	.142	.109	.085	.083	.064	.050	.027	.021	.017	
9.0	.233	.173	.134	.200	.151	.117	.139	.106	.083	.081	.063	.049	.026	.021	.016	
10.0	.227	.169	.131	.195	.147	.114	.136	.103	.081	.079	.061	.048	.026	.020	.016	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm										
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K					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	24.8	26.2	25.3	26.7	27.2	26.9	28.3	27.3	28.7	29.2
3H	26.3	27.6	26.8	28.0	28.6	29.5	30.8	30.0	31.2	31.8
4H	26.8	28.1	27.3	28.6	29.1	30.9	32.1	31.4	32.6	33.1
6H	27.2	28.4	27.7	28.9	29.4	32.4	33.6	32.9	34.1	34.6
8H	27.3	28.4	27.8	28.9	29.5	33.3	34.4	33.8	34.9	35.5
12H	27.3	28.4	27.9	28.9	29.5	34.2	35.3	34.8	35.8	36.4
4H 2H	25.9	27.2	26.4	27.7	28.2	27.4	28.7	28.0	29.2	29.7
3H	27.6	28.7	28.2	29.3	29.9	30.3	31.3	30.8	31.9	32.5
4H	28.4	29.4	29.0	29.9	30.6	31.9	32.9	32.4	33.4	34.0
6H	28.9	29.8	29.5	30.4	31.1	33.6	34.5	34.2	35.1	35.8
8H	29.1	30.0	29.7	30.6	31.2	34.6	35.4	35.2	36.0	36.7
12H	29.2	30.0	29.9	30.6	31.3	35.7	36.5	36.3	37.1	37.8
8H 4H	29.4	30.2	30.0	30.8	31.5	32.2	33.0	32.8	33.6	34.3
6H	30.3	31.0	31.0	31.7	32.4	34.3	35.0	34.9	35.6	36.3
8H	30.7	31.3	31.4	32.0	32.7	35.4	36.1	36.1	36.7	37.5
12H	31.0	31.6	31.7	32.2	33.0	36.8	37.4	37.5	38.1	38.8
12H 4H	29.7	30.5	30.4	31.1	31.8	32.2	33.0	32.8	33.6	34.3
6H	30.9	31.5	31.5	32.2	32.9	34.4	35.0	35.0	35.6	36.4
8H	31.4	32.0	32.1	32.7	33.4	35.7	36.2	36.3	36.9	37.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 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, 1906 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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

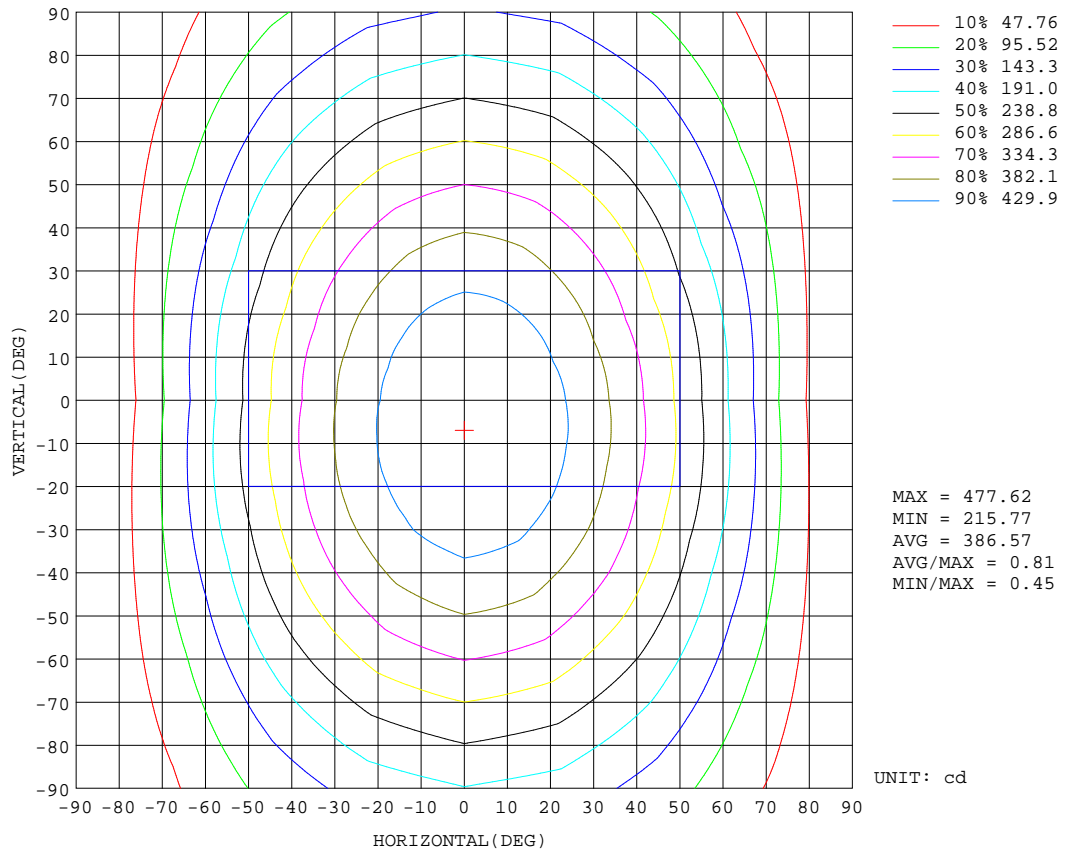
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	31	49	37	30	47	37	30	23
0.80	59	47	39	58	46	38	55	45	38	30
1.00	67	55	46	65	54	46	62	54	45	37
1.25	74	62	54	72	61	53	68	58	52	42
1.50	79	67	59	77	66	58	72	63	56	47
2.00	86	76	68	84	74	67	78	70	64	53
2.50	91	81	73	88	79	72	82	75	69	57
3.00	94	86	78	91	83	77	85	79	73	61
4.00	99	91	85	95	89	83	89	83	79	66
5.00	102	95	90	98	92	87	91	87	82	69
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:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.526m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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

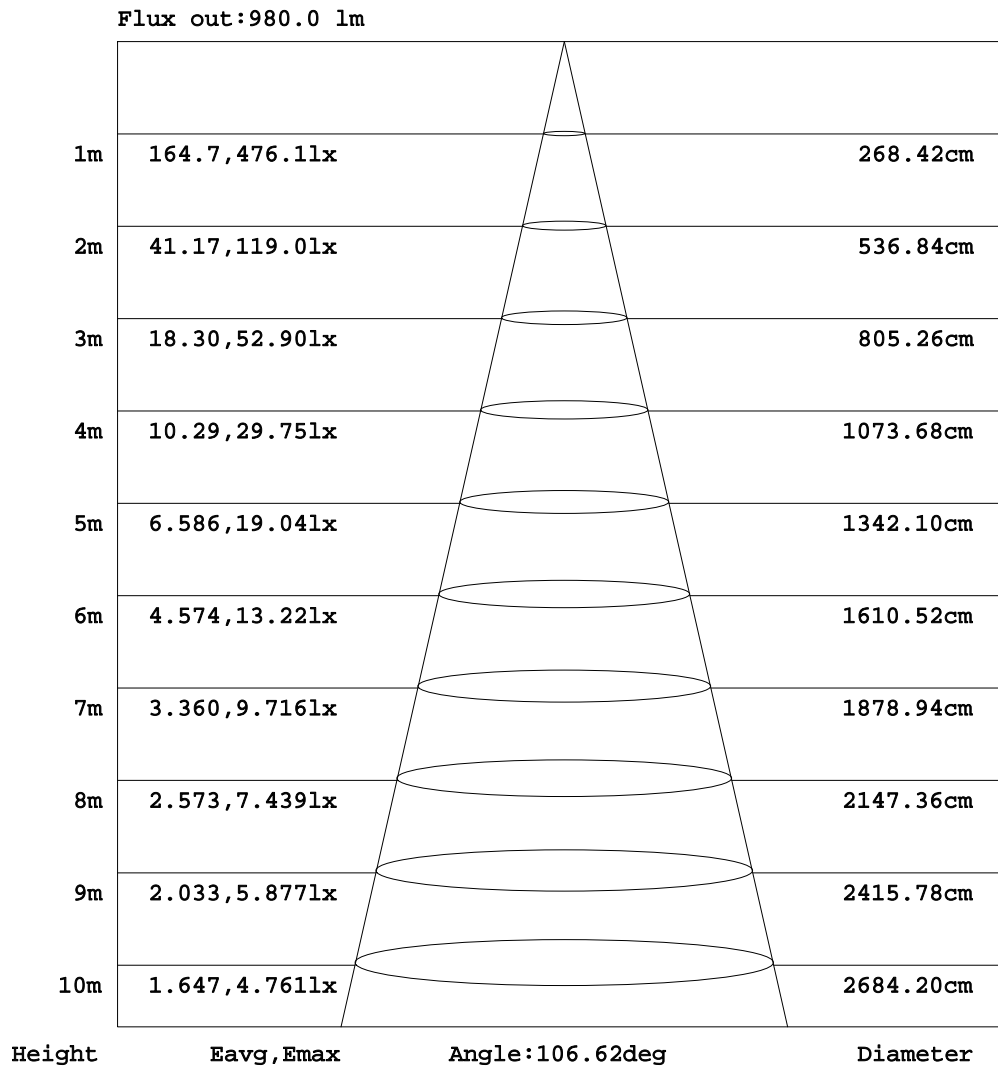


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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



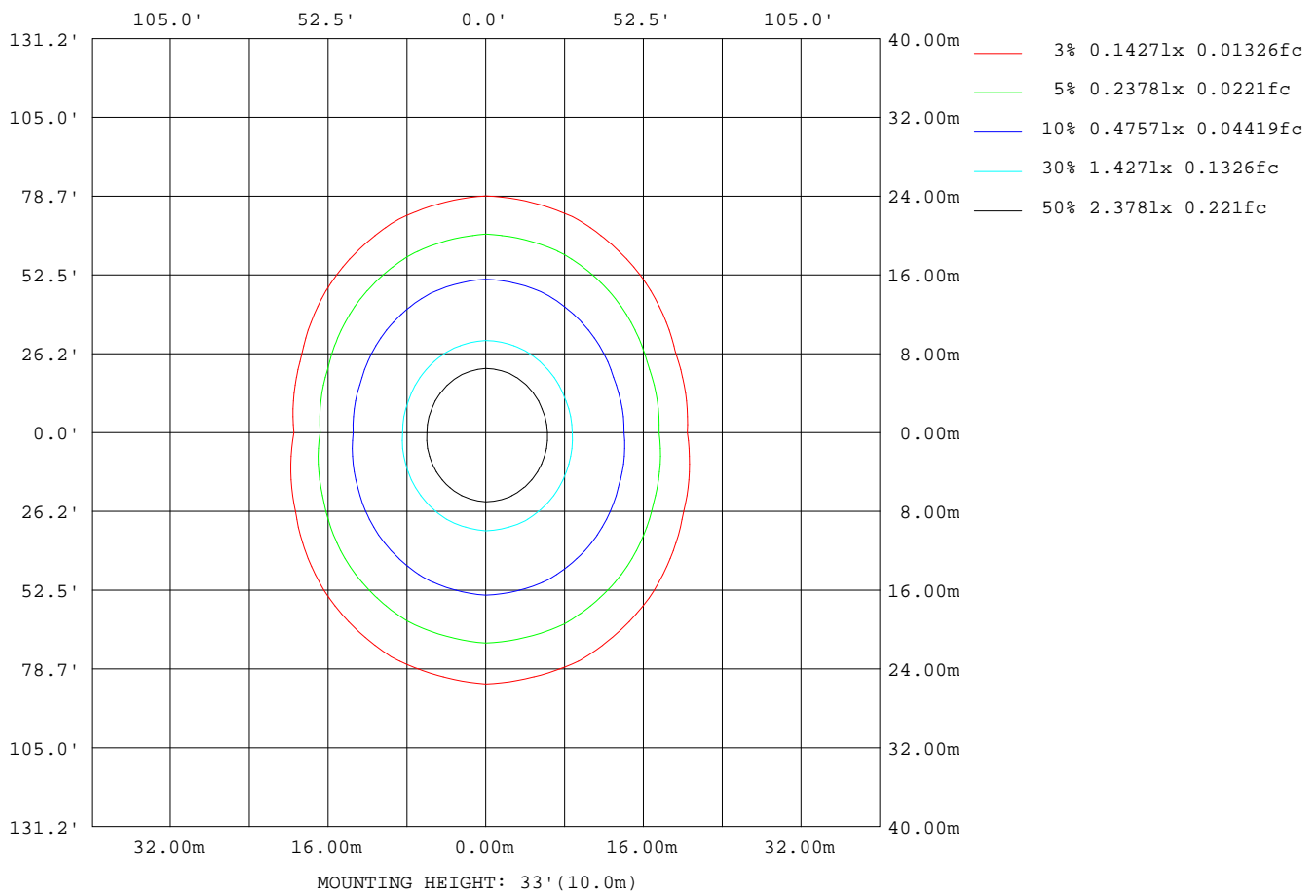
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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:25.1DEG
 Operators:Hill
 Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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

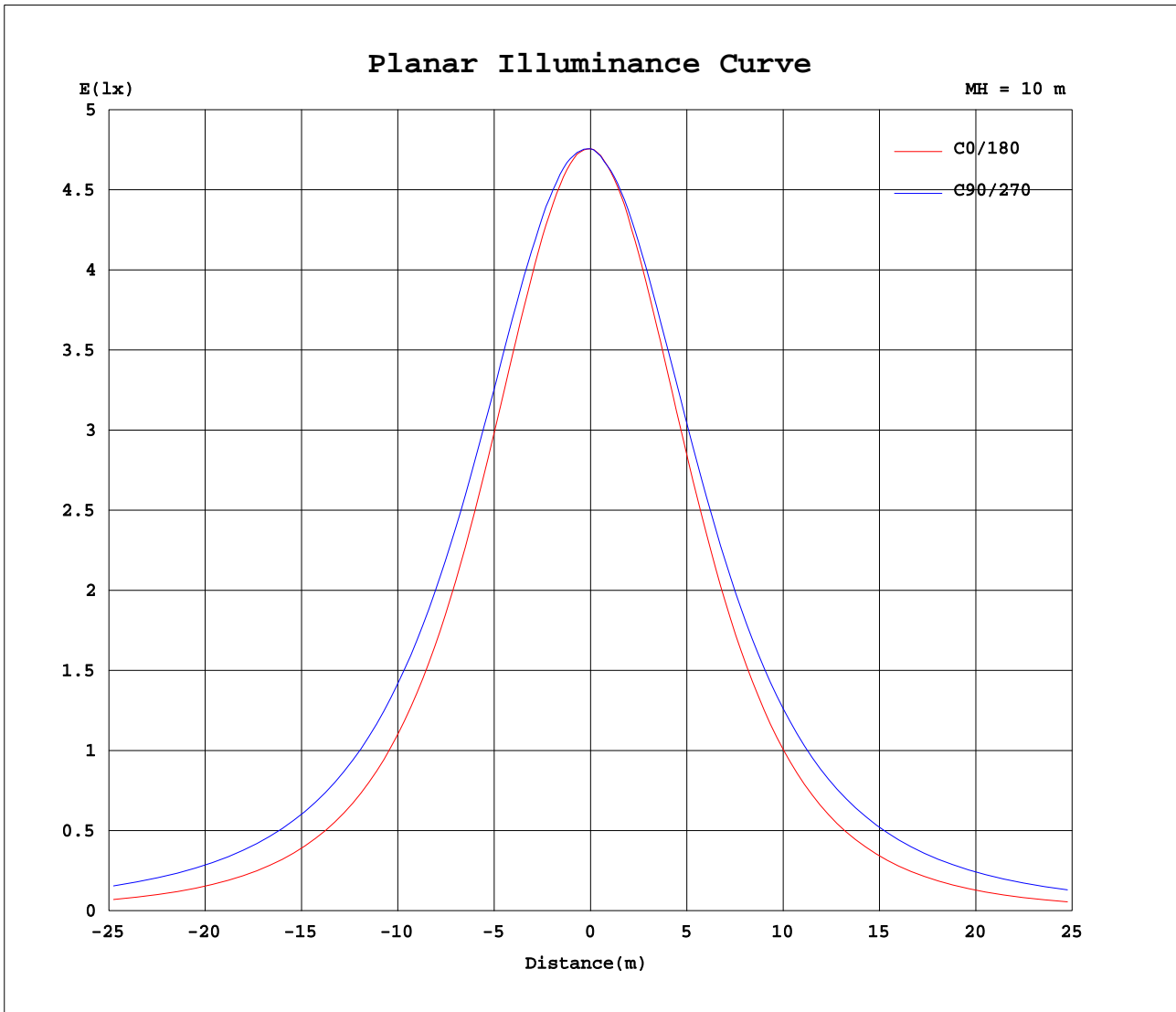
AvgL	cd/m2
L_0~180(65)av	62245
L_0~180(75)av	47058
L_0~180(85)av	18547
L_90~270(65)av	123158
L_90~270(75)av	166751
L_90~270(85)av	396901
L_45(65)av	96643
L_45(75)av	119428
L_45(85)av	255501

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Hill
Test Date:2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.526m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Hill
 Test Date: 2022-05-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 44%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.1772A P:20W PF:0.9261 Freq:60.00Hz Lamp Flux:1570x1 lm		
NAME: ASD-LVF21-18D20CC-NK/BZ/BK 5000K	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	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475			
5	474	476	478	478	477	476	475	473	470	470	470	471	470	472	472	473			
10	468	472	474	477	476	474	470	465	461	459	461	463	464	465	466	466			
15	458	463	469	472	473	469	461	453	446	445	448	452	454	456	455	454			
20	443	450	459	466	467	461	449	437	428	427	432	438	443	443	440	439			
25	423	433	445	456	458	450	434	418	405	404	413	423	430	428	423	419			
30	401	412	429	444	448	435	415	395	380	380	391	405	414	412	403	396			
35	374	388	410	429	434	420	394	369	350	353	367	386	397	393	381	371			
40	344	361	388	412	418	402	371	341	319	323	342	364	377	372	356	341			
45	312	331	364	392	401	382	346	309	284	291	315	342	357	350	330	311			
50	276	299	338	370	380	360	319	277	249	258	287	318	334	326	302	278			
55	239	266	309	347	359	336	291	243	211	223	259	294	312	301	273	243			
60	200	231	281	322	336	311	262	208	172	189	230	269	287	276	244	208			
65	159	196	252	297	311	286	233	173	131	155	202	244	263	250	215	173			
70	119	161	223	270	286	260	205	139	92.0	122	176	219	239	225	187	138			
75	79.1	128	194	245	262	235	178	108	55.3	93.1	150	195	215	200	160	106			
80	42.4	97.6	168	219	237	211	153	80.8	24.3	67.9	126	172	191	177	134	77.6			
85	14.1	72.0	143	195	213	187	131	58.6	3.79	47.9	105	150	169	154	112	54.2			
90	0.45	51.9	122	172	189	165	111	42.5	0.11	33.4	87.3	130	148	133	92.1	36.9			
95	0.29	38.3	104	153	169	146	93.6	31.7	0.36	23.8	72.3	112	128	114	75.6	25.3			
100	1.00	28.8	86.4	130	146	125	79.0	24.2	1.15	17.9	59.5	95.6	111	97.5	61.7	18.2			
105	2.10	22.4	72.3	113	127	109	66.6	19.4	2.45	14.4	49.0	81.3	94.7	82.5	50.3	14.1			
110	3.28	18.3	60.1	97.0	110	93.3	55.5	16.3	3.87	12.4	40.5	68.5	80.2	69.3	41.1	12.0			
115	4.55	15.6	49.8	81.9	93.7	79.2	46.5	14.3	5.37	11.4	33.6	57.4	67.5	57.9	33.8	10.9			
120	5.74	13.9	41.5	68.9	79.1	66.8	39.0	13.2	6.95	11.6	28.1	47.9	56.3	48.0	28.0	11.0			
125	6.80	13.1	34.7	57.2	66.2	55.7	32.9	12.9	8.41	12.1	23.7	39.7	46.6	39.6	23.5	11.5			
130	7.87	13.2	29.1	47.4	54.6	46.2	27.8	13.0	9.78	12.7	20.4	32.8	38.2	32.7	20.2	12.1			
135	8.98	13.5	24.5	38.9	44.7	38.2	23.7	13.4	11.0	13.1	18.7	27.0	31.3	27.1	18.4	12.7			
140	10.4	14.0	21.3	31.9	36.3	31.3	20.9	13.9	12.0	13.5	17.9	22.7	25.6	22.9	17.8	13.3			
145	11.9	14.4	19.6	26.1	29.4	25.8	19.5	14.3	13.2	14.2	17.2	20.6	22.3	21.0	17.7	14.3			
150	13.3	15.3	18.6	22.6	24.3	22.5	18.5	15.0	14.4	14.8	16.7	19.1	20.4	19.8	17.5	15.4			
155	14.5	16.1	18.0	20.4	21.5	20.4	17.9	15.7	15.7	15.1	16.4	18.0	19.1	18.9	17.5	16.4			
160	15.7	16.7	17.5	19.0	19.6	19.0	17.1	16.4	16.8	16.2	16.6	17.3	18.0	18.1	17.4	17.2			
165	16.0	17.2	17.6	17.9	18.1	17.9	17.3	15.9	15.5	15.5	15.8	17.5	17.8	17.9	17.9	17.8			
170	13.5	16.8	17.0	17.7	17.9	16.7	15.8	13.1	12.8	12.9	13.2	15.5	17.0	17.9	17.5	16.5			
175	10.3	10.9	14.8	14.9	14.1	13.1	10.1	10.1	9.58	9.63	9.74	10.0	11.8	12.6	13.4	13.9			
180	10.7	9.28	8.44	5.01	0.00	6.88	7.67	9.65	10.6	10.7	9.40	8.34	6.22	0.00	2.57	8.11			

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