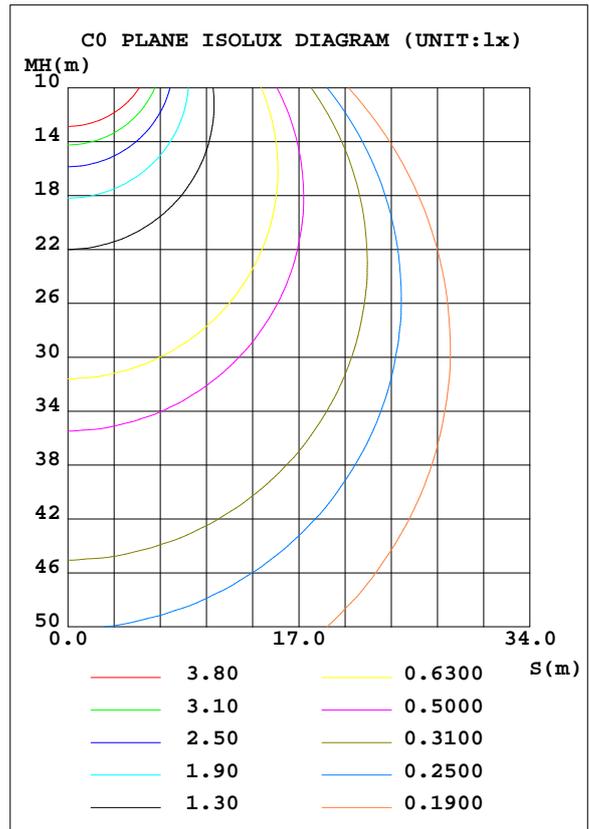
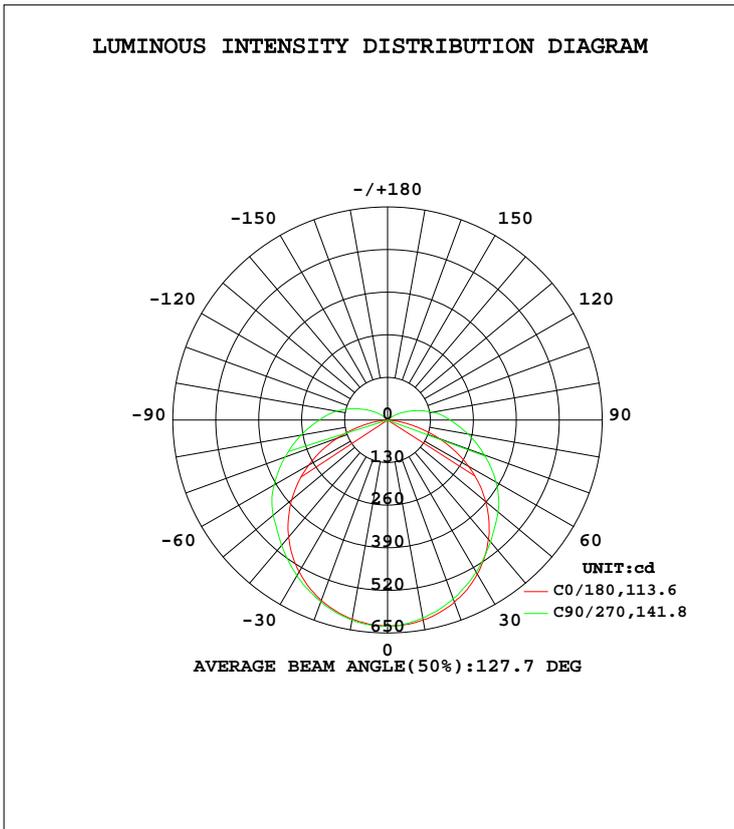


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	PRE-2402V26445E-EE	Imax(cd)	630.5	S/MH(C0/180)	1.28
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2379.6	η UP, DN(C0-180)	4.9,46.1
NOMINAL FLUX(lm)	2379.63	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.1,44.8
LAMPS INSIDE	1	η up(%)	9.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	91.0	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Water
 Test Date:2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:47%
 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	617.5	617.8	619.9	620.5	619.6	615.7	613.3	614.8	0- 10	59.49	59.49	2.5,2.5
20	586.0	587.6	590.6	591.0	591.6	584.4	580.6	580.4	10- 20	170.6	230.0	9.67,9.67
30	535.1	539.6	548.5	544.0	543.2	534.8	536.0	531.2	20- 30	260.3	490.3	20.6,20.6
40	466.3	478.5	498.6	483.6	475.0	473.4	485.5	468.9	30- 40	319.3	809.6	34,34
50	379.0	410.1	452.6	414.8	387.9	403.6	436.3	399.6	40- 50	343.4	1153	48.5,48.5
60	275.9	343.4	396.6	348.3	283.8	335.8	379.0	333.0	50- 60	334.7	1488	62.5,62.5
70	161.8	269.9	330.6	273.3	167.1	260.7	312.0	258.4	60- 70	292.6	1780	74.8,74.8
80	52.47	197.6	266.3	200.0	54.21	186.8	247.4	185.4	70- 80	226.9	2007	84.4,84.4
90	0.3188	136.3	206.3	138.3	0.2171	125.2	190.0	124.6	80- 90	157.2	2165	91,91
100	0.8516	87.00	157.1	88.34	0.6372	74.79	138.3	74.66	90-100	105.3	2270	95.4,95.4
110	2.107	43.73	100.5	44.32	1.878	33.65	82.71	33.50	100-110	61.16	2331	98,98
120	3.428	15.36	53.79	15.75	3.211	7.925	39.69	7.793	110-120	29.04	2360	99.2,99.2
130	4.595	2.141	19.84	2.226	4.355	1.150	9.620	1.186	120-130	10.20	2370	99.6,99.6
140	5.709	2.038	2.757	1.993	5.196	1.601	1.282	1.664	130-140	2.876	2373	99.7,99.7
150	6.667	2.960	2.508	2.893	5.933	4.194	1.901	4.645	140-150	2.095	2375	99.8,99.8
160	5.975	5.321	3.503	4.987	5.457	6.682	5.939	6.811	150-160	2.187	2377	99.9,99.9
170	5.184	6.159	6.165	5.155	4.839	5.124	7.161	7.015	160-170	1.640	2379	100,100
180	6.821	6.564	6.048	6.670	6.841	6.567	6.037	6.668	170-180	0.5767	2380	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 980.46 lm

%lum = 41.2%
 %lamp = 41.2%

Conical surface Flux(120deg): 1487.8 lm

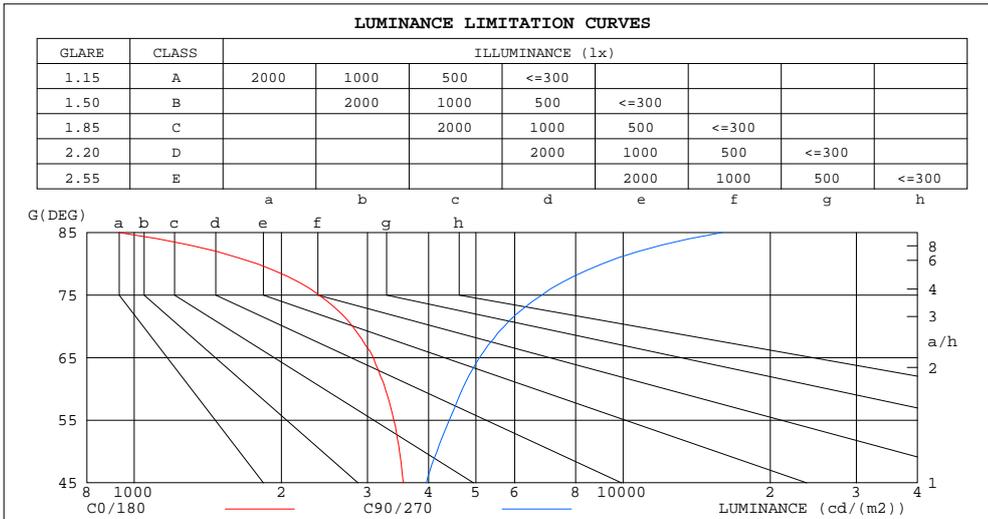
%lum = 62.5%
 %lamp = 62.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Water
 Test Date:2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:47%
 Test Distance:2.519m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	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	931	15943
80	1787	9066
75	2388	6818
70	2798	5714
65	3085	5086
60	3264	4690
55	3396	4408
50	3488	4163
45	3551	3960

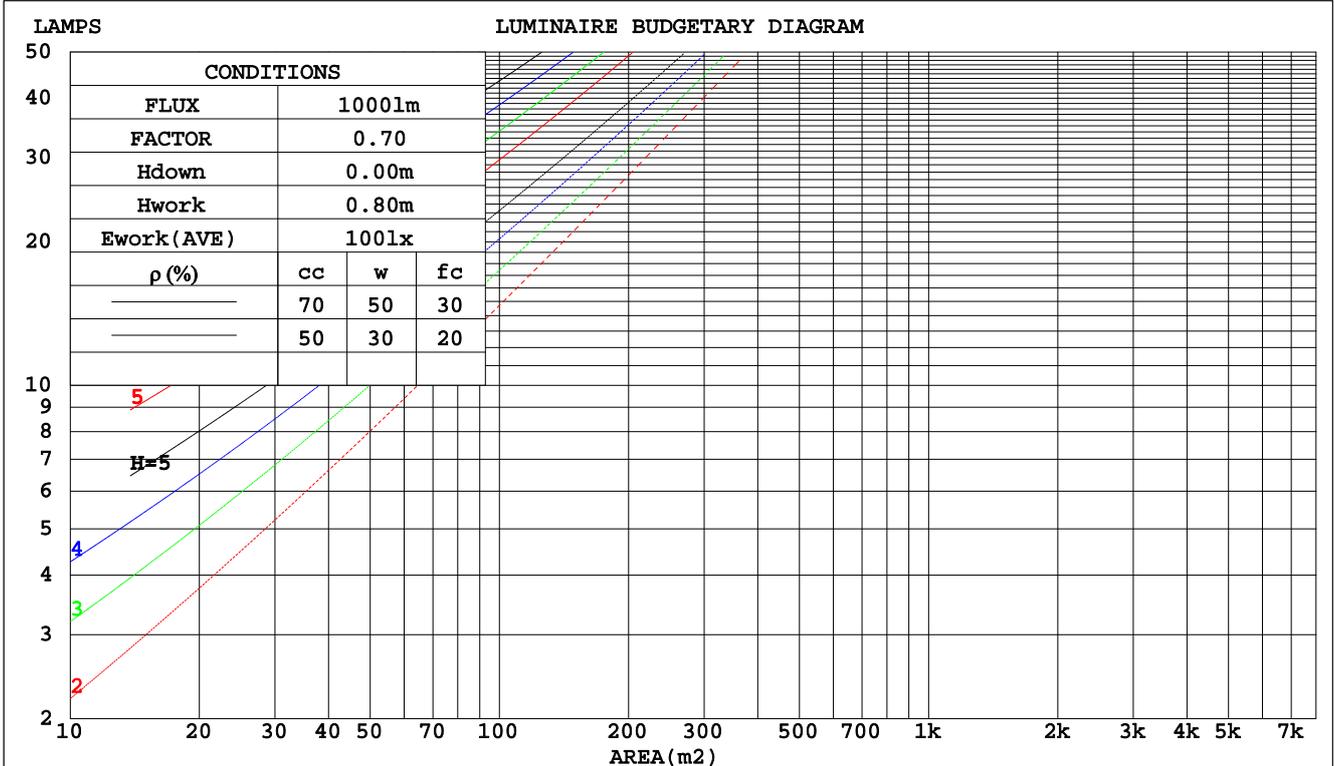
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Water
 Test Date:2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:47%
 Test Distance:2.519m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	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																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.00	.00	.00	.94	.94	.94	.91
1.0	.98	.93	.88	.95	.90	.86	.89	.85	.82	.84	.80	.78	.78	.76	.74	.71
2.0	.84	.77	.70	.82	.74	.68	.76	.71	.65	.72	.67	.63	.67	.63	.60	.57
3.0	.73	.64	.57	.71	.63	.56	.67	.60	.54	.63	.57	.52	.59	.54	.50	.47
4.0	.64	.55	.48	.63	.54	.47	.59	.51	.45	.55	.49	.44	.52	.47	.42	.40
5.0	.57	.48	.41	.56	.47	.40	.52	.45	.39	.49	.43	.38	.47	.41	.36	.34
6.0	.51	.42	.35	.50	.41	.35	.47	.39	.34	.45	.38	.33	.42	.36	.32	.29
7.0	.46	.37	.31	.45	.37	.30	.43	.35	.30	.41	.34	.29	.38	.32	.28	.26
8.0	.42	.33	.27	.41	.33	.27	.39	.32	.26	.37	.30	.26	.35	.29	.25	.23
9.0	.39	.30	.25	.38	.30	.24	.36	.29	.24	.34	.28	.23	.33	.27	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.32	.25	.21	.30	.24	.20	.18



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Water
 Test Date:2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:47%
 Test Distance:2.519m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz		
Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	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	.375	.213	.068	.365	.208	.066	.347	.199	.064	.330	.190	.061	.314	.182	.059	
2.0	.330	.181	.055	.321	.177	.054	.304	.169	.052	.288	.162	.051	.274	.155	.049	
3.0	.295	.157	.047	.287	.154	.046	.272	.147	.045	.258	.141	.043	.245	.136	.042	
4.0	.266	.138	.041	.259	.136	.040	.246	.130	.039	.233	.125	.038	.221	.120	.037	
5.0	.243	.124	.036	.236	.121	.035	.224	.117	.034	.213	.112	.033	.202	.108	.032	
6.0	.223	.112	.032	.217	.110	.032	.206	.106	.031	.196	.102	.030	.186	.098	.029	
7.0	.206	.102	.029	.201	.100	.028	.191	.096	.028	.181	.093	.027	.172	.090	.026	
8.0	.191	.093	.026	.186	.092	.026	.177	.089	.025	.169	.085	.025	.161	.082	.024	
9.0	.178	.086	.024	.174	.085	.024	.165	.082	.023	.158	.079	.023	.150	.076	.022	
10.0	.167	.080	.022	.163	.079	.022	.155	.076	.021	.148	.074	.021	.141	.071	.020	

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	.259	.259	.259	.222	.222	.222	.151	.151	.151	.087	.087	.087	.028	.028	.028	
1.0	.254	.225	.199	.218	.193	.171	.149	.133	.118	.086	.077	.069	.027	.025	.022	
2.0	.247	.202	.163	.212	.174	.141	.145	.120	.098	.084	.070	.058	.027	.023	.019	
3.0	.240	.185	.141	.205	.159	.122	.141	.111	.086	.081	.065	.051	.026	.021	.017	
4.0	.232	.172	.126	.199	.149	.110	.137	.104	.077	.079	.061	.046	.025	.020	.015	
5.0	.224	.162	.116	.192	.140	.101	.132	.098	.071	.077	.057	.042	.025	.019	.014	
6.0	.216	.154	.109	.186	.133	.095	.128	.093	.067	.074	.055	.040	.024	.018	.013	
7.0	.209	.147	.103	.180	.127	.090	.124	.089	.064	.072	.053	.038	.023	.017	.013	
8.0	.203	.141	.099	.174	.123	.087	.121	.086	.061	.070	.051	.037	.023	.017	.012	
9.0	.196	.137	.096	.169	.118	.084	.117	.083	.060	.068	.049	.036	.022	.016	.012	
10.0	.190	.132	.094	.164	.115	.082	.114	.081	.058	.066	.048	.035	.022	.016	.011	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Water
 Test Date:2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:47%
 Test Distance:2.519m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	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	13.3	14.8	13.7	15.1	15.5	14.8	16.2	15.2	16.6	17.0
3H	14.8	16.1	15.2	16.5	17.0	17.3	18.6	17.7	19.0	19.5
4H	15.3	16.6	15.8	17.1	17.5	18.6	19.9	19.0	20.3	20.8
6H	15.7	16.9	16.1	17.3	17.8	20.1	21.3	20.5	21.7	22.2
8H	15.7	16.9	16.2	17.4	17.9	20.9	22.1	21.3	22.5	23.0
12H	15.8	16.9	16.2	17.4	17.9	21.8	22.9	22.3	23.4	23.9
4H 2H	14.3	15.6	14.7	16.0	16.5	15.4	16.7	15.8	17.1	17.5
3H	16.0	17.2	16.5	17.6	18.1	18.1	19.3	18.6	19.7	20.2
4H	16.8	17.8	17.3	18.3	18.9	19.6	20.7	20.1	21.2	21.7
6H	17.3	18.3	17.9	18.8	19.4	21.3	22.3	21.9	22.8	23.3
8H	17.5	18.4	18.0	18.9	19.5	22.3	23.1	22.8	23.7	24.3
12H	17.6	18.4	18.1	18.9	19.5	23.3	24.1	23.9	24.7	25.3
8H 4H	17.7	18.6	18.2	19.1	19.7	20.0	20.9	20.5	21.4	22.0
6H	18.6	19.3	19.2	19.9	20.5	22.0	22.7	22.5	23.3	23.9
8H	18.9	19.6	19.5	20.2	20.8	23.1	23.8	23.7	24.4	25.0
12H	19.2	19.8	19.8	20.4	21.1	24.4	25.0	25.1	25.6	26.3
12H 4H	18.0	18.8	18.5	19.3	19.9	20.0	20.8	20.6	21.4	22.0
6H	19.1	19.7	19.7	20.3	21.0	22.1	22.8	22.7	23.3	24.0
8H	19.6	20.2	20.2	20.8	21.5	23.3	23.9	24.0	24.5	25.2
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, 2380 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)
Area: 0.1691 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Water
Test Date:2024-07-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

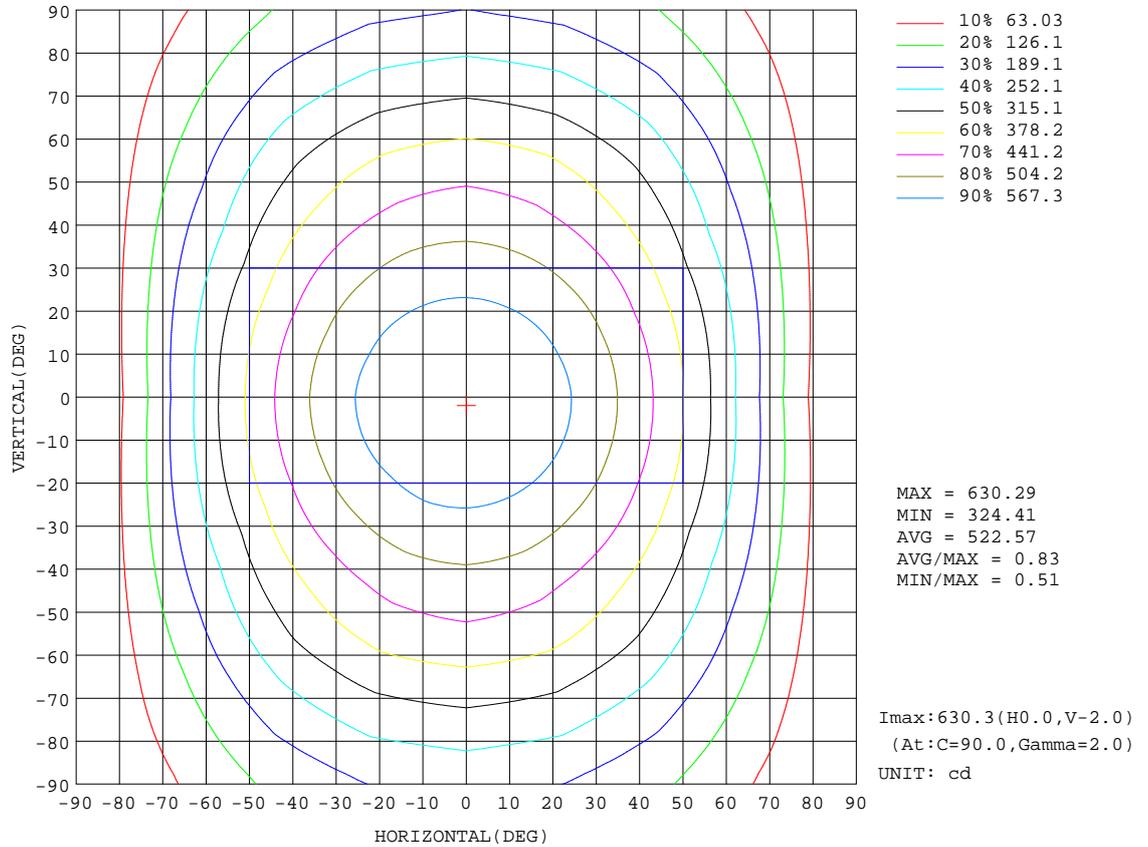
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	32	50	39	31	49	38	31	25
0.80	61	48	40	59	47	40	57	46	39	32
1.00	68	56	48	67	55	47	64	56	47	39
1.25	75	63	55	74	62	54	70	60	53	45
1.50	80	69	60	78	68	60	74	65	58	49
2.00	88	77	69	85	75	68	81	73	66	56
2.50	92	82	75	89	80	73	84	77	71	60
3.00	96	87	80	93	85	78	87	81	75	64
4.00	100	93	87	97	90	85	91	86	81	69
5.00	103	97	91	100	94	89	94	89	85	73
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:25.2DEG
 Operators:Water
 Test Date:2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:47%
 Test Distance:2.519m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



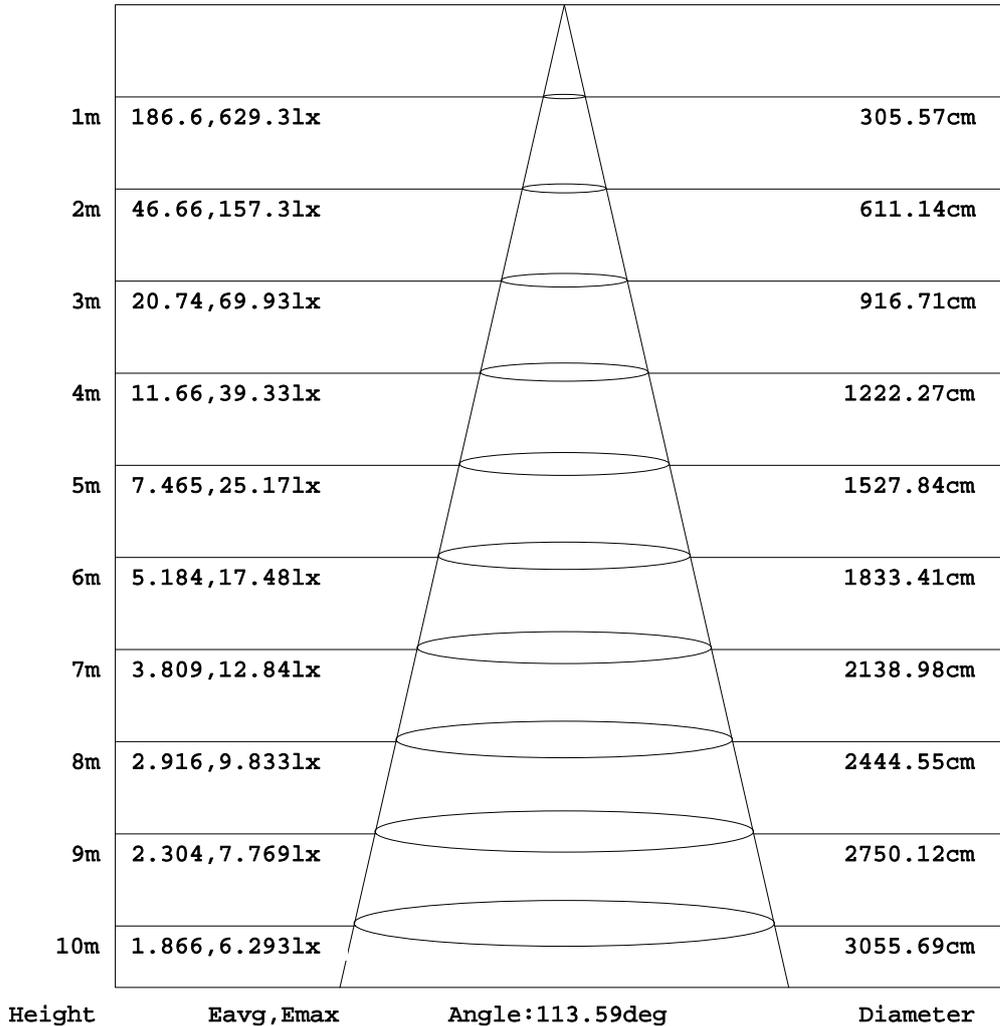
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Water
 Test Date: 2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 47%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

Flux out:1390 lm



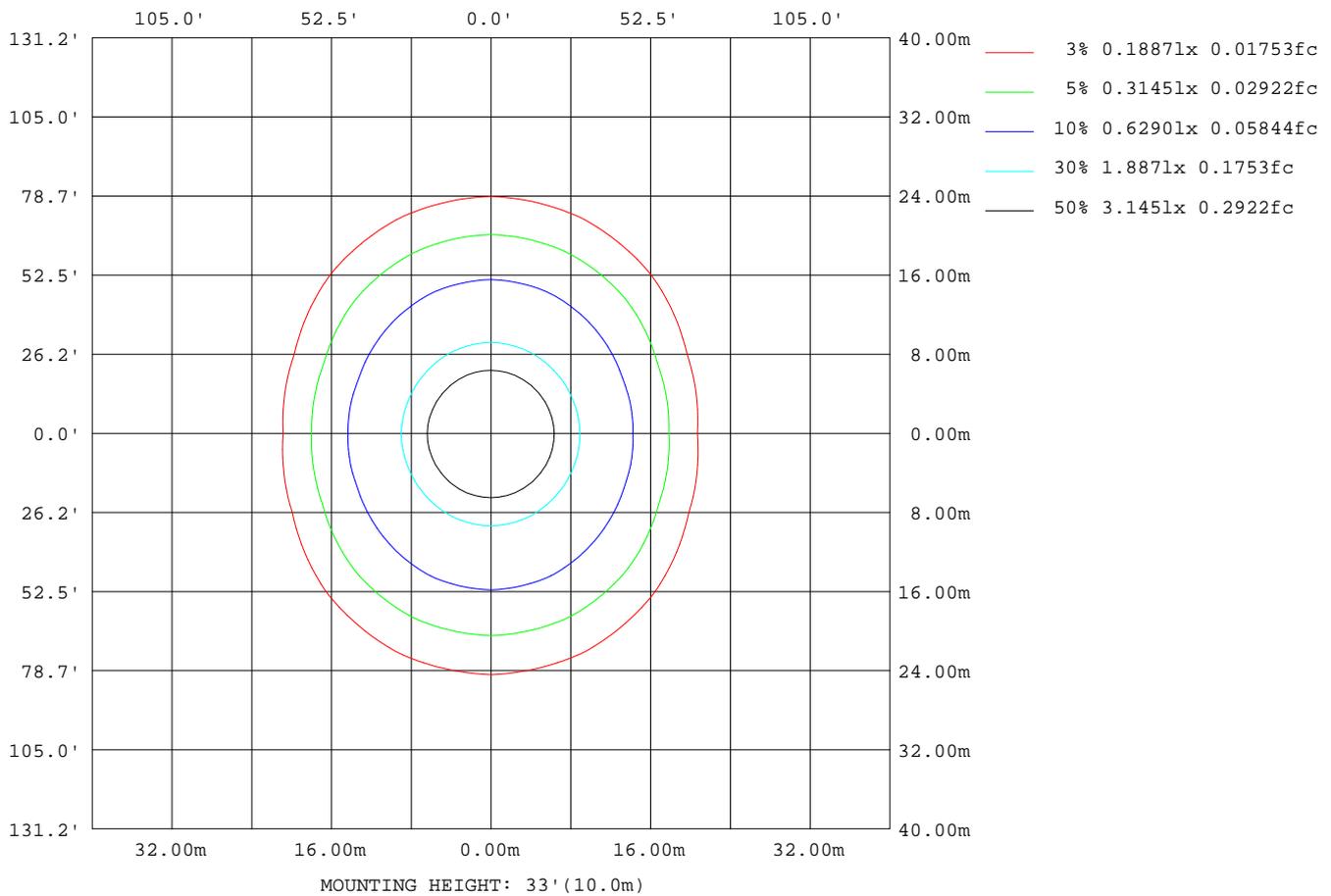
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Water
 Test Date: 2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 47%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	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: 25.2DEG
 Operators: Water
 Test Date: 2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 47%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

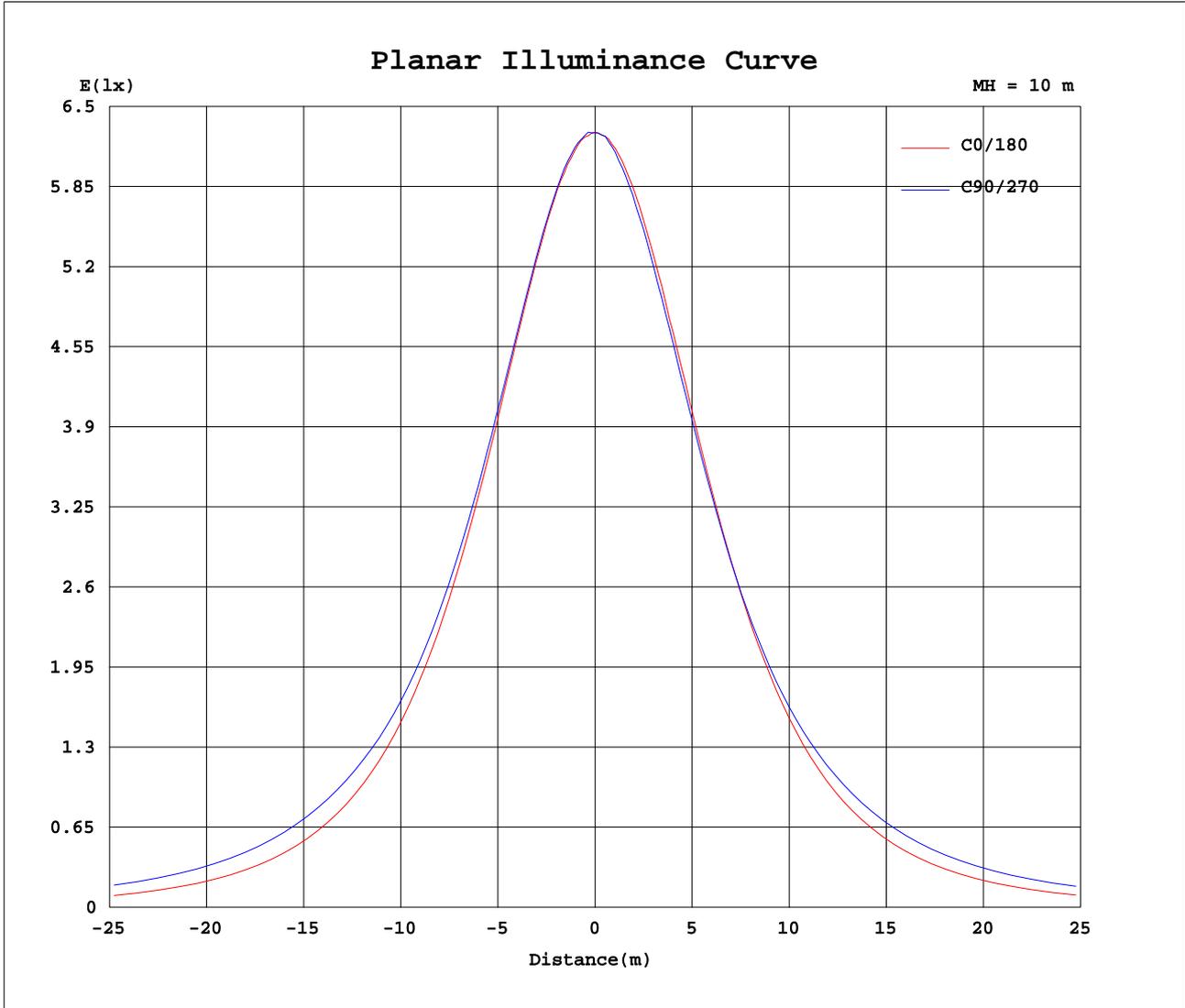
AvgL	cd/m2
L_0~180(65)av	3128
L_0~180(75)av	2421
L_0~180(85)av	987
L_90~270(65)av	4961
L_90~270(75)av	6601
L_90~270(85)av	15311
L_45(65)av	4262
L_45(75)av	5199
L_45(85)av	10841

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Water
 Test Date:2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:47%
 Test Distance:2.519m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Water
 Test Date: 2024-07-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 47%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.2293A P:27.120W PF:0.9850 Freq:60.00Hz Lamp Flux:2379.63x1 lm		
NAME: LED Luminaires	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21GR-MV-36D30BK 5000K	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	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629			
5	626	626	626	627	628	628	627	628	626	626	626	623	625	624	624	625			
10	617	618	618	619	620	620	621	621	620	619	616	613	613	613	615	618			
15	604	606	606	605	608	608	607	609	608	605	602	599	600	599	599	602			
20	586	588	588	589	591	591	591	592	592	587	584	580	581	579	580	583			
25	563	565	566	568	570	571	568	570	571	564	561	559	559	557	557	560			
30	535	538	540	547	548	548	544	542	543	538	535	535	536	533	531	531			
35	503	506	511	520	524	523	515	511	512	505	505	509	510	506	501	499			
40	466	470	478	492	499	495	484	476	475	468	473	481	485	478	469	463			
45	425	429	446	464	474	467	449	436	434	429	439	452	460	451	434	423			
50	379	387	410	439	453	442	415	392	388	386	404	427	436	424	400	381			
55	329	342	376	414	428	417	380	346	338	339	369	400	411	398	366	335			
60	276	295	343	384	397	386	348	300	284	292	336	368	379	366	333	288			
65	220	249	309	350	364	352	313	252	227	245	300	334	346	331	297	242			
70	162	205	270	315	331	317	273	208	167	200	261	298	312	297	258	198			
75	105	163	233	281	298	283	235	165	107	157	222	265	279	263	220	156			
80	52.5	120	198	249	266	251	200	121	54.2	115	187	232	247	231	185	115			
85	13.7	85.4	165	218	235	219	167	86.6	15.4	79.6	154	200	216	200	153	79.9			
90	0.32	58.4	136	189	206	190	138	59.3	0.22	52.2	125	173	190	173	125	52.5			
95	0.42	37.3	113	165	182	166	114	38.0	0.29	30.9	101	149	166	149	101	31.4			
100	0.85	20.8	87.0	139	157	140	88.3	21.2	0.64	15.4	74.8	122	138	121	74.7	15.8			
105	1.45	10.2	63.4	111	128	111	64.4	10.4	1.20	6.20	51.9	93.7	109	93.5	51.8	6.42			
110	2.11	3.70	43.7	84.6	100	85.3	44.3	3.82	1.88	1.15	33.7	68.9	82.7	68.6	33.5	1.23			
115	2.78	1.22	27.9	62.1	75.7	62.8	28.4	1.19	2.56	0.82	19.1	47.5	59.7	47.3	18.9	0.88			
120	3.43	1.18	15.4	42.7	53.8	43.3	15.7	1.12	3.21	1.04	7.92	29.7	39.7	29.6	7.79	1.13			
125	4.04	1.40	6.76	26.4	35.0	26.7	7.07	1.30	3.82	1.48	1.74	15.2	22.7	15.0	1.67	1.77			
130	4.60	1.76	2.14	13.8	19.8	14.1	2.23	1.64	4.35	2.42	1.15	5.04	9.62	4.92	1.19	3.18			
135	5.15	2.26	1.77	5.29	9.01	5.49	1.72	2.12	4.79	4.29	1.28	1.27	1.81	1.28	1.34	4.87			
140	5.71	2.91	2.04	2.04	2.76	2.12	1.99	2.78	5.20	5.29	1.60	1.38	1.28	1.36	1.66	5.69			
145	6.22	4.23	2.44	2.23	2.21	2.36	2.39	4.16	5.58	5.56	2.33	1.73	1.49	1.63	2.73	6.07			
150	6.67	5.15	2.96	2.58	2.51	2.73	2.89	5.27	5.93	5.90	4.19	2.39	1.90	2.27	4.65	6.33			
155	6.57	5.50	3.65	3.06	2.93	3.18	3.51	5.41	6.03	6.01	6.10	4.07	3.21	4.16	6.37	6.46			
160	5.98	5.54	5.32	3.73	3.50	3.76	4.99	5.24	5.46	5.88	6.68	6.41	5.94	6.45	6.81	6.43			
165	5.30	5.77	5.95	5.59	5.09	5.10	5.21	5.31	4.97	5.19	6.55	6.91	6.89	6.97	6.99	6.48			
170	5.18	5.96	6.16	6.20	6.17	4.95	5.16	5.25	4.84	5.12	5.12	6.82	7.16	7.14	7.02	6.47			
175	6.25	6.42	6.45	6.48	4.93	5.86	5.98	6.28	5.94	5.88	5.32	5.58	6.72	7.00	6.85	6.47			
180	6.82	6.83	6.56	5.36	6.05	6.38	6.67	6.71	6.84	6.84	6.57	5.37	6.04	6.39	6.67	6.72			

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