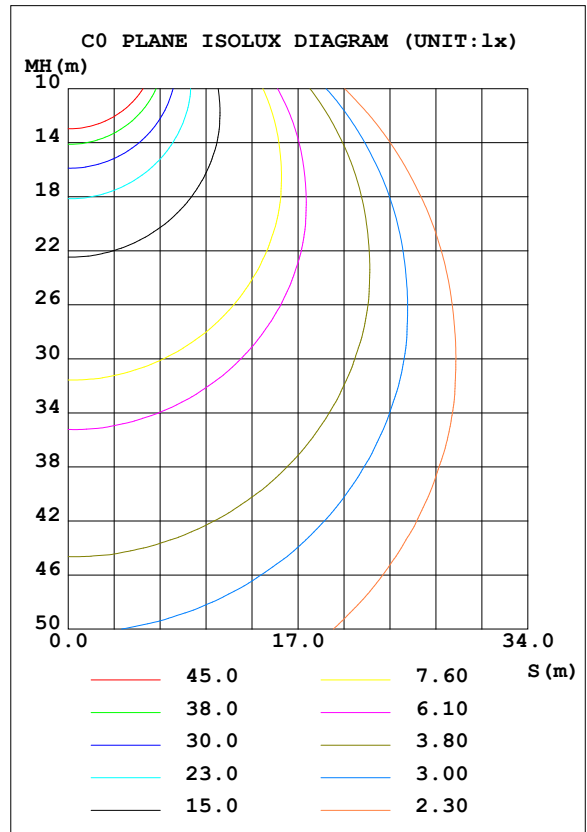
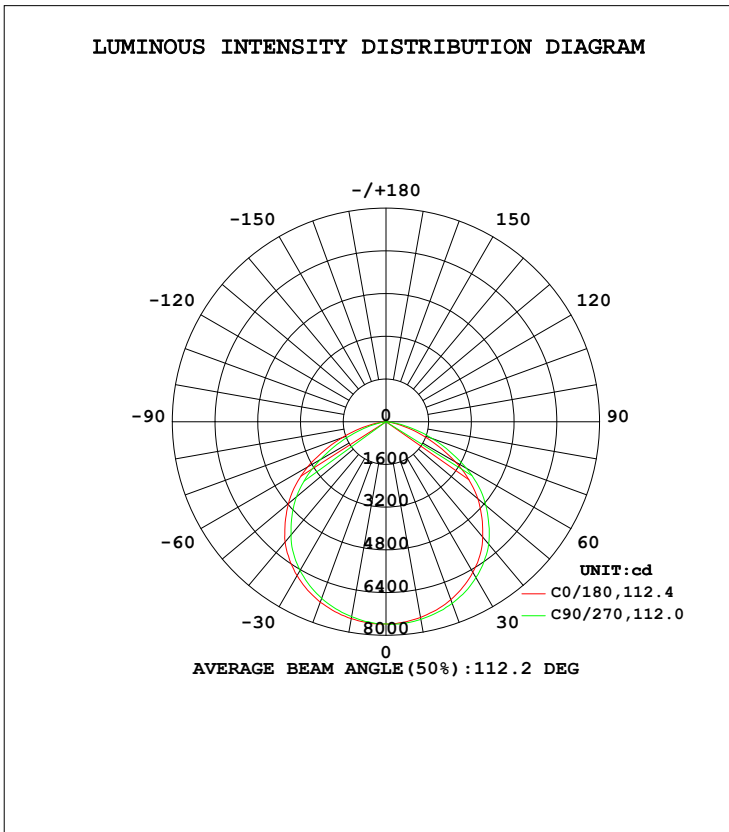


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 210.49 lm/W			
MODEL	ERS-UFO-100C-A1	I _{max} (cd)	7591	S/MH (C0/180)	1.28
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.32
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	20786	η UP, DN (C0-180)	0.1, 48.3
NOMINAL FLUX (lm)	20785.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.6
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Ben
 Test Date: 2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 43%
 Test Distance: 2.492m [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	7487	7430	7412	7406	7443	7479	7518	7509	0- 10	717.7	717.7	3.45,3.45
20	7194	7085	7041	7033	7094	7166	7240	7234	10- 20	2069	2786	13.4,13.4
30	6654	6517	6438	6433	6506	6642	6739	6734	20- 30	3176	5962	28.7,28.7
40	5878	5675	5537	5527	5634	5833	5984	5983	30- 40	3883	9846	47.4,47.4
50	4770	4547	4383	4367	4490	4715	4883	4886	40- 50	4017	13863	66.7,66.7
60	3396	3085	2846	2830	2996	3295	3468	3530	50- 60	3521	17384	83.6,83.6
70	1745	1486	1286	1275	1406	1630	1843	1868	60- 70	2324	19708	94.8,94.8
80	442.6	269.7	172.3	161.7	232.4	348.6	503.3	534.3	70- 80	952.9	20661	99.4,99.4
90	7.080	3.548	1.171	1.193	0.4084	3.276	9.184	11.56	80- 90	101.7	20763	99.9,99.9
100	1.651	1.838	1.984	2.003	0.7894	0.7184	0.6507	0.6352	90-100	1.538	20764	99.9,99.9
110	2.105	2.277	2.489	2.460	1.296	1.206	1.096	1.080	100-110	1.611	20766	99.9,99.9
120	2.876	2.985	3.155	3.138	2.062	1.810	1.737	1.659	110-120	2.034	20768	99.9,99.9
130	4.295	4.471	4.749	4.669	2.984	2.654	2.476	2.464	120-130	2.637	20771	99.9,99.9
140	6.864	7.374	7.679	7.460	3.971	3.743	3.563	3.617	130-140	3.459	20774	99.9,99.9
150	9.898	11.03	11.30	10.98	4.795	4.682	4.730	4.660	140-150	4.197	20778	100,100
160	12.52	12.91	13.11	13.29	6.173	6.117	5.897	5.762	150-160	4.021	20782	100,100
170	11.55	11.53	11.73	11.82	7.202	6.792	6.646	6.664	160-170	2.700	20785	100,100
180	9.826	9.167	8.842	9.431	9.848	9.421	8.946	9.095	170-180	0.8797	20786	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11875 lm

%lum = 57.1%
%lamp = 57.1%

Conical surface Flux(120deg): 17384 lm

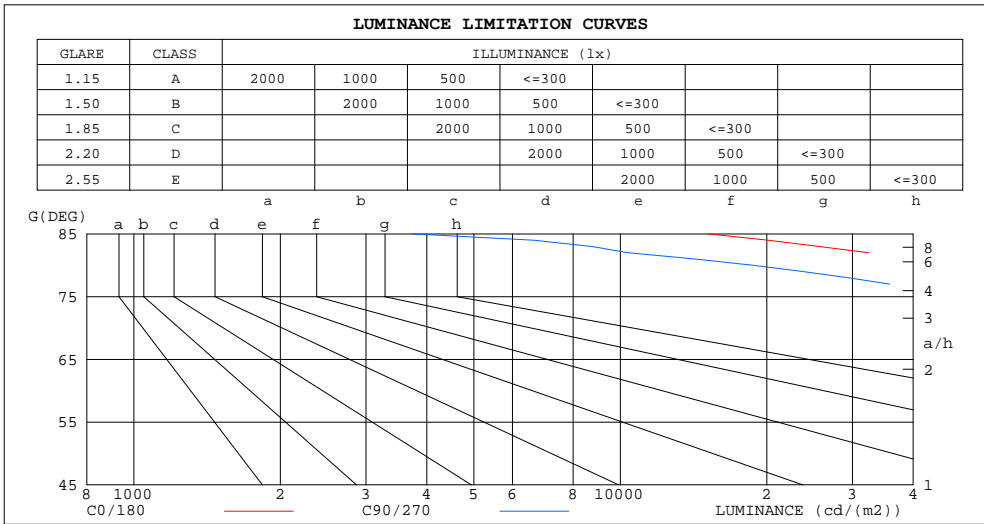
%lum = 83.6%
%lamp = 83.6%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Ben
Test Date:2020-10-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:43%
Test Distance:2.492m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15109	3733
80	48013	18690
75	75972	46770
70	96126	70812
65	113342	90840
60	127921	107195
55	135632	120236
50	139778	128442
45	142223	132565

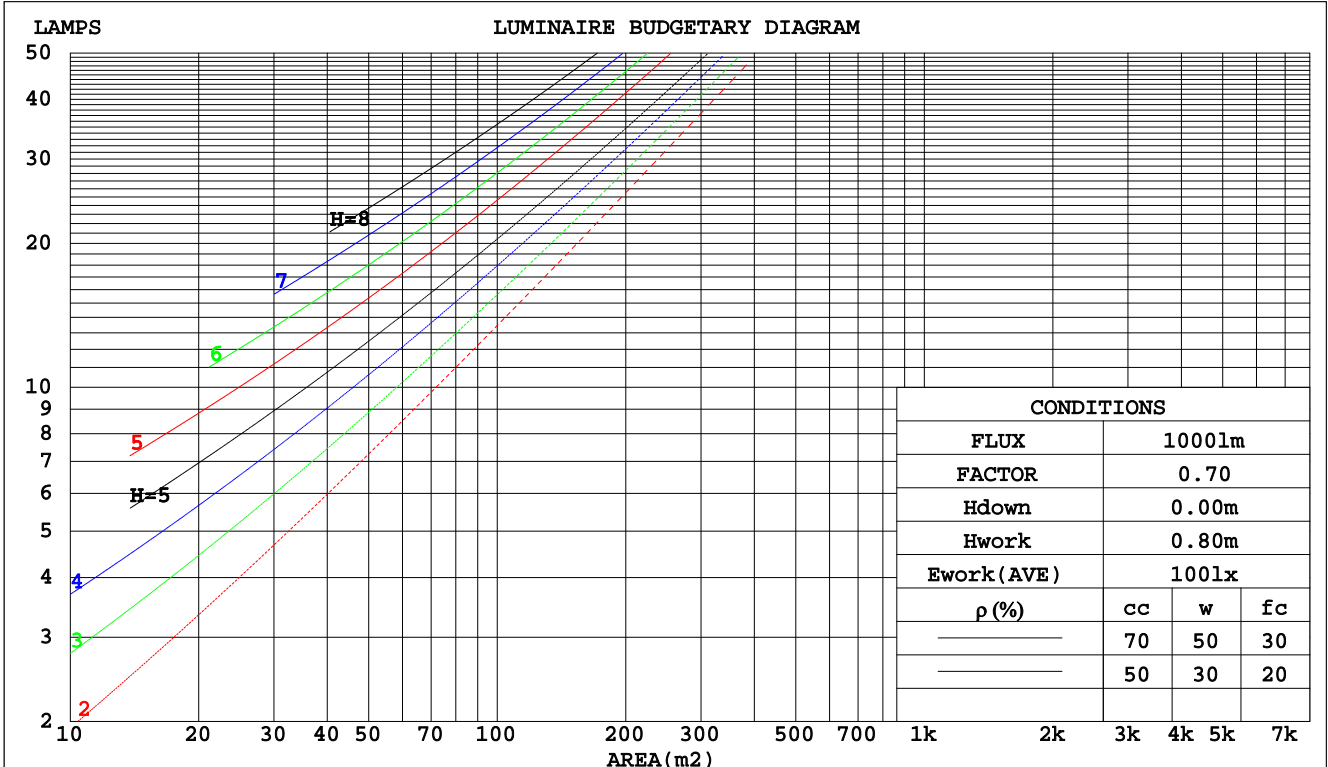
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Ben
 Test Date: 2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 43%
 Test Distance: 2.492m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.05	1.01	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.62	.56	.66	.60	.55	.64	.59	.55	.52
5.0	.65	.56	.49	.64	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	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	.281	.160	.051	.274	.156	.050	.261	.150	.048	.249	.143	.046	.238	.138	.044	
2.0	.272	.149	.046	.266	.147	.045	.255	.142	.044	.244	.137	.043	.234	.132	.042	
3.0	.256	.136	.041	.251	.134	.040	.241	.130	.040	.231	.127	.039	.222	.123	.038	
4.0	.239	.124	.037	.234	.123	.036	.225	.119	.036	.217	.116	.035	.209	.114	.035	
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031	
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.194	.096	.027	.191	.095	.027	.185	.093	.027	.179	.092	.027	.173	.090	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.179	.157	.137	.153	.135	.118	.105	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.171	.133	.101	.146	.114	.087	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.163	.115	.077	.139	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.061	.133	.088	.053	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.049	.127	.079	.043	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.141	.083	.041	.121	.072	.036	.084	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.135	.076	.035	.116	.066	.030	.080	.046	.021	.046	.027	.013	.015	.009	.004	
8.0	.128	.070	.030	.111	.061	.026	.076	.043	.019	.044	.025	.011	.014	.008	.004	
9.0	.122	.065	.026	.106	.057	.023	.073	.040	.016	.043	.023	.010	.014	.008	.003	
10.0	.117	.061	.024	.101	.053	.021	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm										
NAME: LED Highbay					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A		
MFR.: ERS					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	29.9	31.4	30.2	31.6	31.8	29.4	30.8	29.6	31.0	31.2
3H	31.1	32.4	31.3	32.6	32.9	30.2	31.6	30.5	31.8	32.0
4H	31.4	32.7	31.7	32.9	33.2	30.4	31.7	30.7	31.9	32.2
6H	31.5	32.7	31.8	33.0	33.2	30.4	31.6	30.7	31.8	32.1
8H	31.5	32.6	31.8	32.9	33.2	30.3	31.5	30.6	31.8	32.0
12H	31.4	32.5	31.8	32.8	33.1	30.3	31.4	30.6	31.7	32.0
4H 2H	30.3	31.6	30.7	31.9	32.1	29.9	31.2	30.2	31.4	31.7
3H	31.6	32.7	31.9	33.0	33.3	30.9	32.0	31.2	32.3	32.6
4H	32.0	33.0	32.3	33.3	33.6	31.1	32.1	31.5	32.4	32.8
6H	32.1	33.0	32.5	33.4	33.8	31.1	32.0	31.5	32.3	32.7
8H	32.1	33.0	32.6	33.3	33.7	31.1	31.9	31.5	32.3	32.6
12H	32.1	32.9	32.5	33.3	33.7	31.0	31.8	31.4	32.2	32.6
8H 4H	32.0	32.8	32.4	33.2	33.6	31.2	32.0	31.6	32.4	32.8
6H	32.2	32.9	32.7	33.3	33.7	31.2	31.9	31.7	32.3	32.7
8H	32.2	32.8	32.7	33.3	33.7	31.2	31.8	31.7	32.2	32.7
12H	32.2	32.7	32.7	33.2	33.7	31.2	31.7	31.6	32.1	32.6
12H 4H	32.0	32.7	32.4	33.1	33.5	31.1	31.9	31.6	32.3	32.7
6H	32.2	32.8	32.7	33.2	33.7	31.2	31.8	31.7	32.2	32.7
8H	32.2	32.7	32.7	33.2	33.6	31.2	31.7	31.7	32.1	32.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.6				
2.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.6				

CIE Pub.117 Corrected 20786 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.5)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

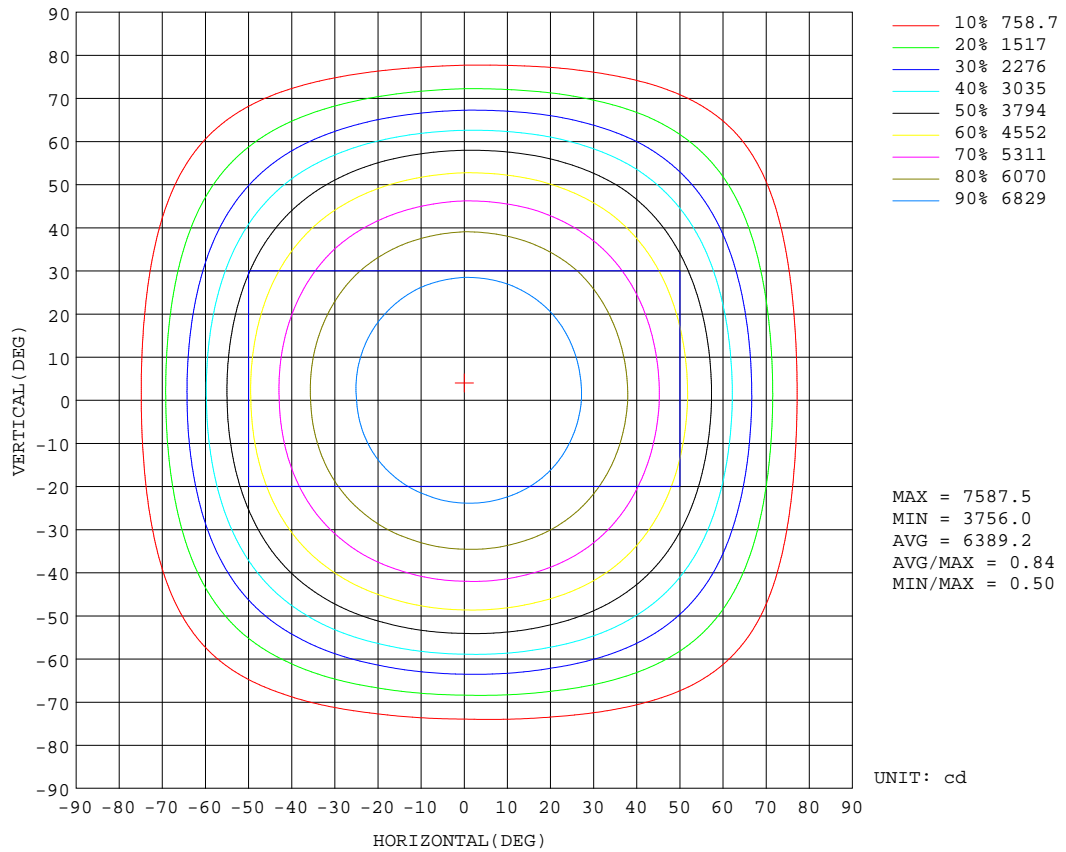
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	47	40	58	47	40	57	47	40	34
0.80	69	58	51	68	57	51	66	57	50	43
1.00	78	67	60	77	67	60	74	68	59	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	85	78	73	65
2.00	97	89	83	95	88	82	92	85	81	73
2.50	100	93	88	98	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	101	97	101	97	94	85
5.00	110	105	102	107	103	100	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:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

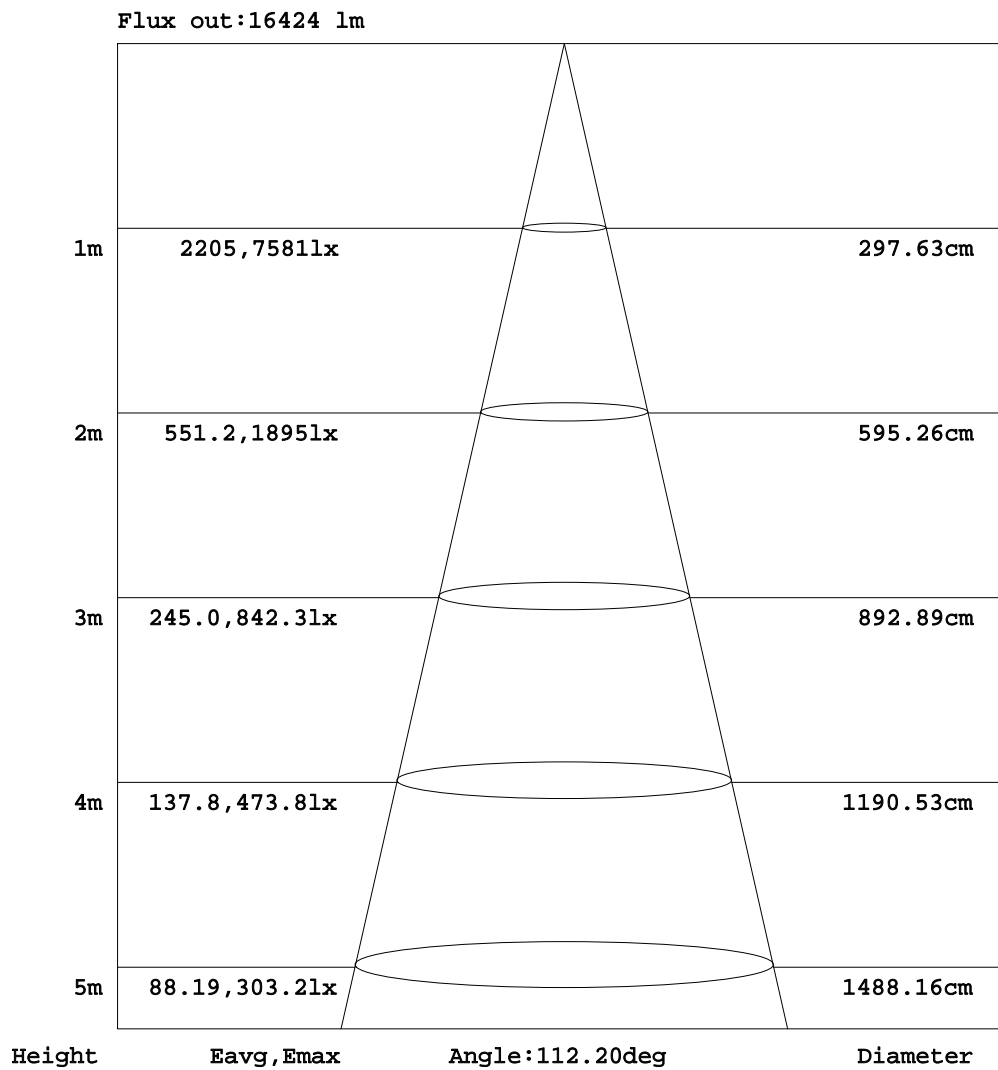


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A



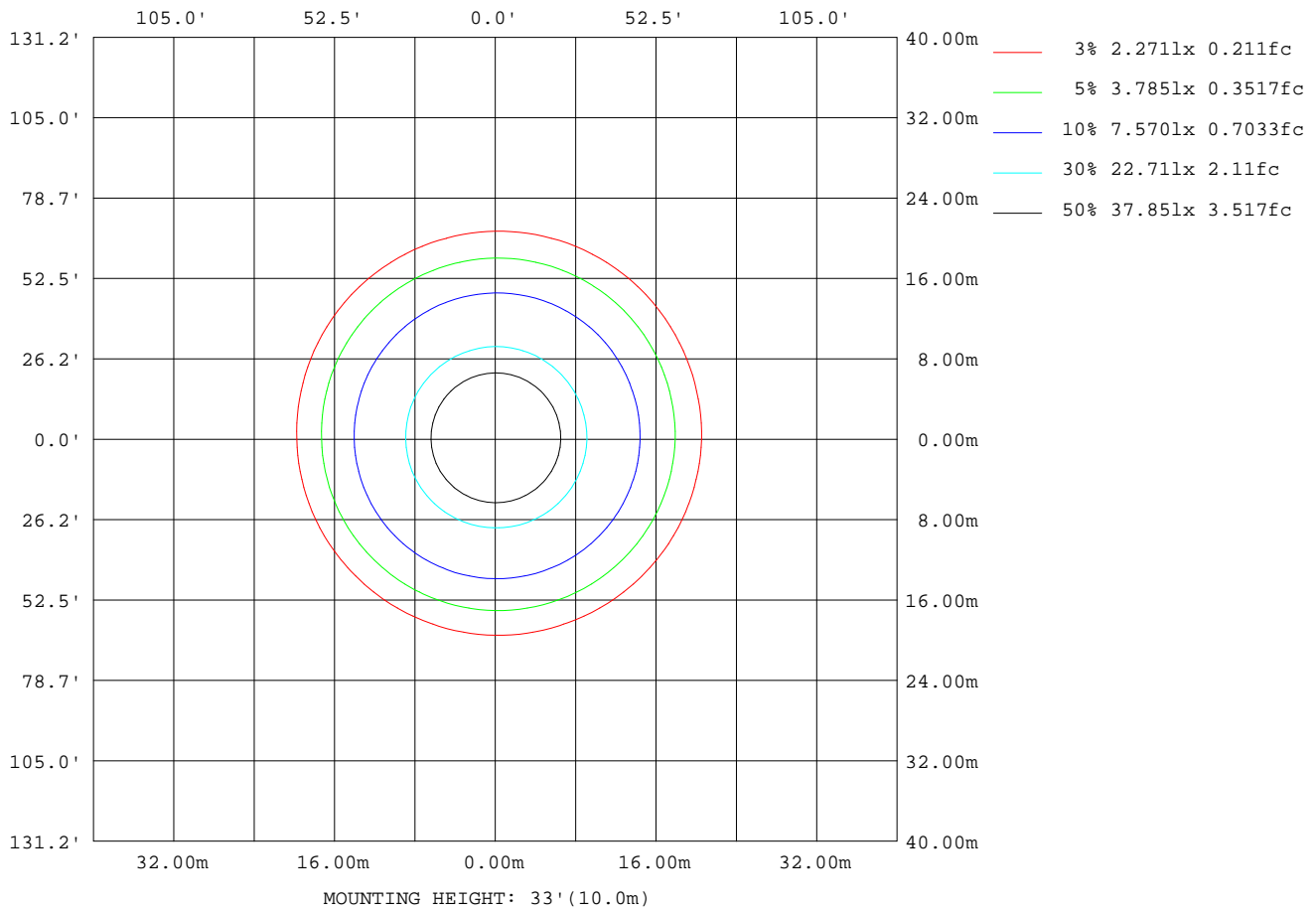
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	SUR.:N/A	Shielding Angle:N/A

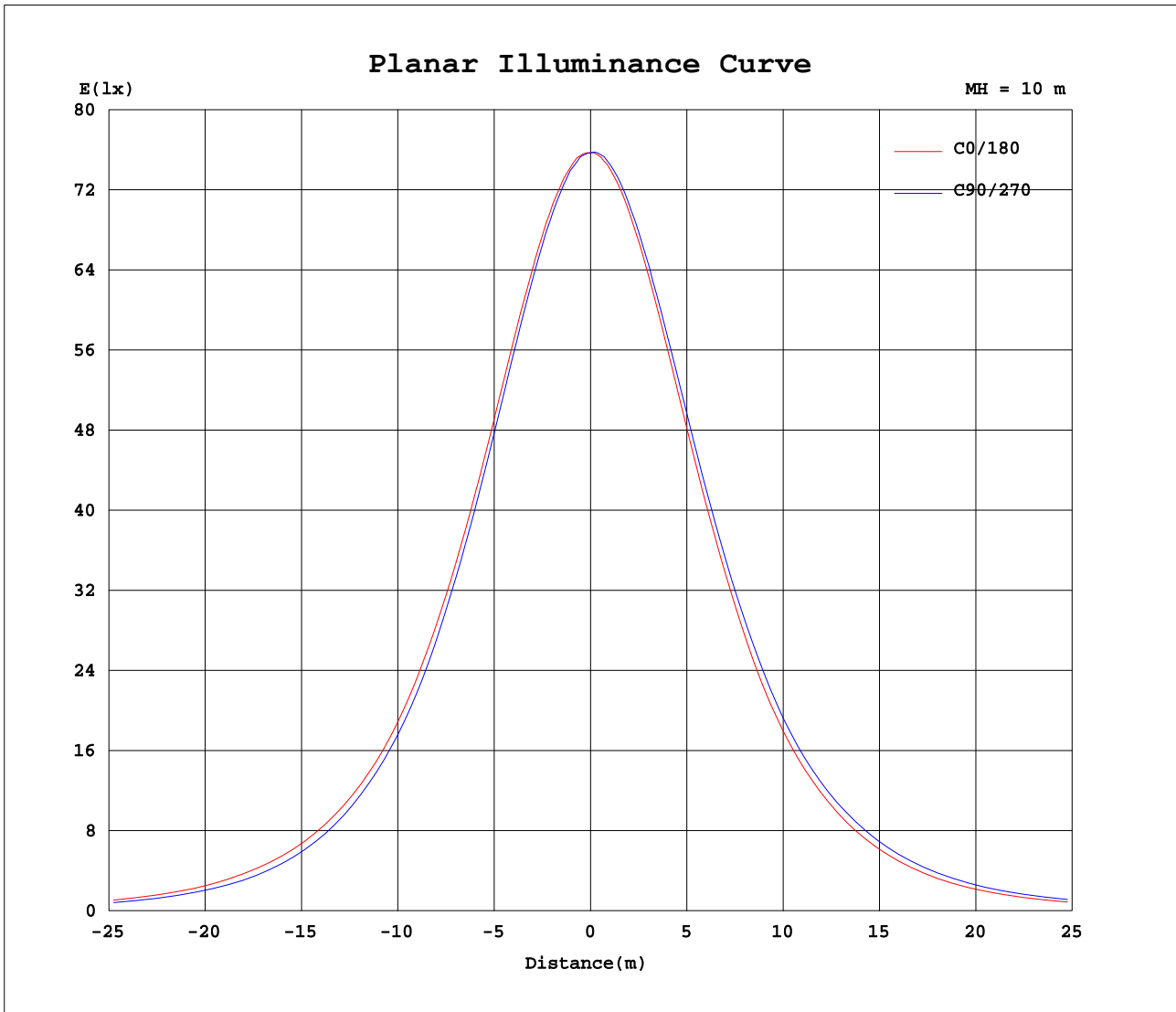
AvgL	cd/m2
L_0~180 (65) av	104769
L_0~180 (75) av	65103
L_0~180 (85) av	10356
L_90~270 (65) av	104097
L_90~270 (75) av	63962
L_90~270 (85) av	12511
L_45 (65) av	104401
L_45 (75) av	64385
L_45 (85) av	11473

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Ben
 Test Date:2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:43%
 Test Distance:2.492m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Ben
 Test Date: 2020-10-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 43%
 Test Distance: 2.492m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:0.4521A P:98.75W PF:0.9496 Lamp Flux:20785.8x1 lm		
NAME: LED Highbay	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ERS	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	7574	7574	7574	7574	7574	7574	7574	7574	7574	7574	7574	7574	7574	7574	7574	7574			
5	7565	7549	7534	7520	7524	7526	7521	7519	7540	7540	7553	7562	7578	7576	7569	7562			
10	7487	7459	7430	7415	7412	7415	7406	7421	7443	7454	7479	7494	7518	7527	7509	7487			
15	7366	7320	7293	7257	7254	7247	7250	7267	7299	7324	7350	7375	7401	7410	7403	7371			
20	7194	7134	7085	7054	7041	7037	7033	7055	7094	7128	7166	7210	7240	7250	7234	7205			
25	6956	6889	6834	6788	6765	6758	6764	6790	6830	6885	6940	6973	7023	7034	7016	6978			
30	6654	6583	6517	6461	6438	6424	6433	6464	6506	6576	6642	6697	6739	6757	6734	6687			
35	6301	6214	6141	6074	6035	6021	6033	6078	6127	6197	6280	6342	6400	6413	6392	6340			
40	5878	5773	5675	5593	5537	5512	5527	5575	5634	5740	5833	5918	5984	6005	5983	5922			
45	5339	5220	5131	5037	4977	4956	4973	5024	5079	5185	5296	5369	5445	5476	5445	5390			
50	4770	4645	4547	4441	4383	4351	4367	4427	4490	4603	4715	4806	4883	4911	4886	4820			
55	4130	3993	3867	3742	3662	3635	3662	3712	3793	3919	4040	4159	4241	4283	4264	4178			
60	3396	3247	3085	2931	2846	2803	2830	2901	2996	3159	3295	3393	3468	3521	3530	3465			
65	2543	2409	2256	2105	2038	1996	2020	2083	2156	2291	2421	2534	2631	2682	2669	2602			
70	1745	1622	1486	1365	1286	1265	1275	1331	1406	1527	1630	1743	1843	1876	1868	1798			
75	1044	919	804	706	643	628	641	689	744	834	940	1038	1114	1155	1153	1100			
80	443	344	270	214	172	157	162	187	232	275	349	430	503	535	534	488			
85	69.9	57.9	42.5	20.9	17.3	16.0	16.0	17.6	25.9	29.8	49.5	73.6	98.5	109	104	88.4			
90	7.08	4.50	3.55	1.20	1.17	1.20	1.19	1.16	0.41	1.07	3.28	6.16	9.18	14.4	11.6	9.09			
95	1.29	1.37	1.46	1.53	1.60	1.63	1.63	1.59	0.58	0.55	0.52	0.49	0.46	0.45	0.45	0.46			
100	1.65	1.73	1.84	1.92	1.98	2.02	2.00	1.94	0.79	0.76	0.72	0.68	0.65	0.64	0.64	0.65			
105	1.90	2.01	2.10	2.19	2.26	2.27	2.25	2.17	1.03	0.99	0.95	0.90	0.86	0.85	0.84	0.86			
110	2.10	2.19	2.28	2.43	2.49	2.49	2.46	2.36	1.30	1.25	1.21	1.14	1.10	1.10	1.08	1.10			
115	2.40	2.47	2.55	2.67	2.76	2.74	2.73	2.65	1.62	1.54	1.50	1.43	1.41	1.38	1.36	1.38			
120	2.88	2.92	2.98	3.10	3.16	3.14	3.14	3.08	2.06	1.88	1.81	1.76	1.74	1.70	1.66	1.71			
125	3.47	3.55	3.62	3.76	3.79	3.78	3.74	3.69	2.50	2.33	2.23	2.13	2.09	1.98	2.06	2.07			
130	4.30	4.48	4.47	4.72	4.75	4.72	4.67	4.57	2.98	2.81	2.65	2.56	2.48	2.48	2.46	2.54			
135	5.37	5.61	5.62	5.85	6.02	5.98	5.84	5.67	3.53	3.38	3.16	3.13	3.06	3.10	3.01	3.15			
140	6.86	7.13	7.37	7.41	7.68	7.70	7.46	7.09	3.97	3.71	3.74	3.65	3.56	3.56	3.62	3.70			
145	8.54	8.96	9.45	9.65	9.73	9.76	9.38	8.80	4.31	4.09	4.22	4.36	4.27	4.25	4.22	4.28			
150	9.90	10.6	11.0	11.3	11.3	11.4	11.0	10.4	4.79	4.65	4.68	4.72	4.73	4.70	4.66	4.84			
155	11.5	12.1	12.2	12.5	12.6	12.6	12.3	11.9	5.40	5.09	5.40	5.40	5.32	5.38	5.27	5.69			
160	12.5	12.8	12.9	13.3	13.1	13.4	13.3	12.6	6.17	6.01	6.12	5.86	5.90	5.75	5.76	6.39			
165	12.4	12.5	12.6	12.8	13.0	13.0	13.0	12.5	6.72	6.62	6.37	6.40	6.23	6.10	6.19	6.93			
170	11.6	11.5	11.5	11.6	11.7	11.7	11.8	11.7	7.20	7.18	6.79	6.73	6.65	6.48	6.66	7.28			
175	11.1	10.9	10.9	10.6	10.3	10.7	10.9	11.1	8.18	8.17	7.88	7.65	7.63	7.14	7.65	8.10			
180	9.83	9.37	9.17	8.94	8.84	9.06	9.43	9.77	9.85	9.85	9.42	9.23	8.95	8.99	9.10	9.51			

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