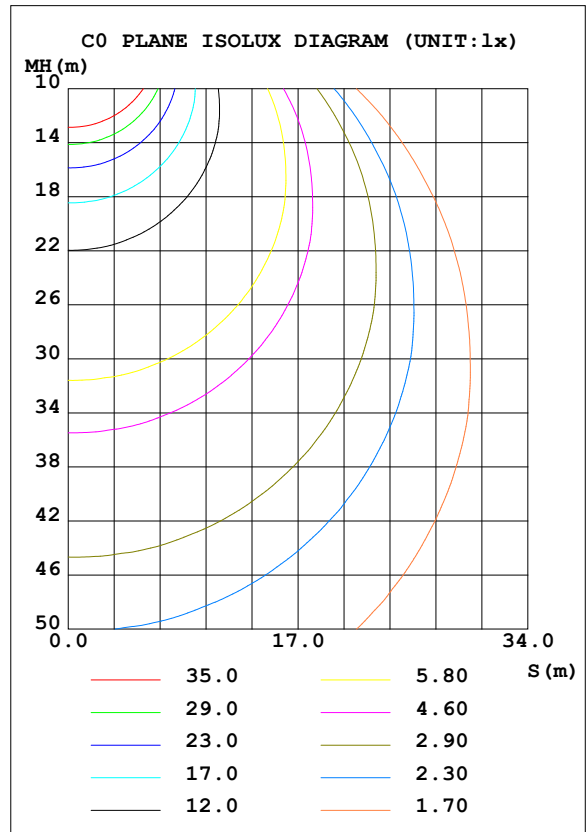
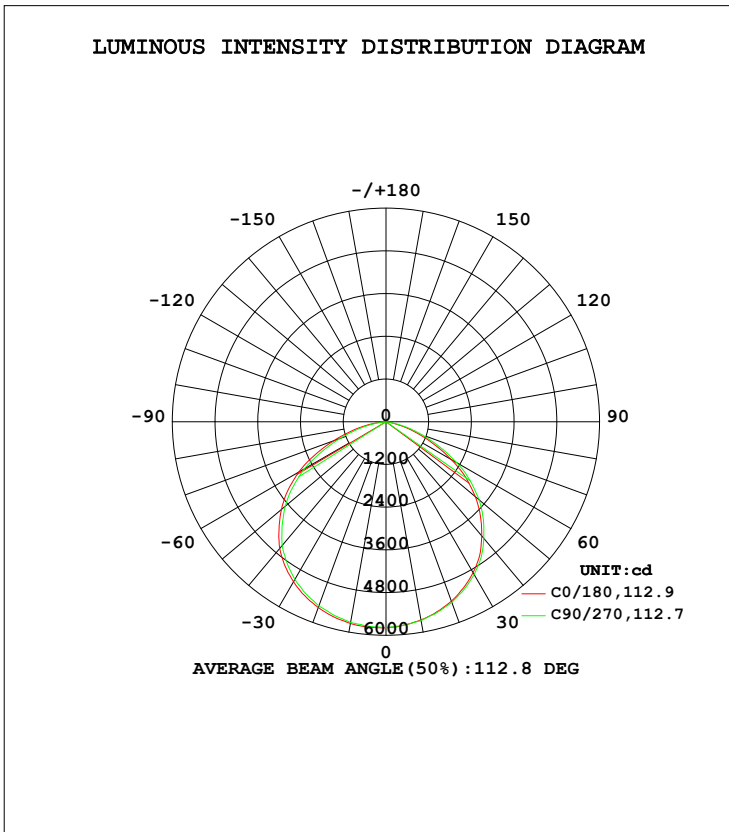


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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: 211.16 lm/W			
MODEL	ERS-UFO-75C-A1	I <sub>max</sub> (cd)	5802	S/MH (C0/180)	1.26
NOMINAL POWER (W)	75	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	16027	η UP, DN (C0-180)	0.1, 51.9
NOMINAL FLUX (lm)	16027.2	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 48.0
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: 10.0deg/s  
 Temperature: 24.9DEG  
 Operators: Ben  
 Test Date: 2020-10-14

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	5753	5756	5727	5690	5654	5647	5675	5718	0- 10	548.1	548.1	3.42,3.42
20	5556	5561	5508	5432	5363	5359	5404	5485	10- 20	1581	2130	13.3,13.3
30	5194	5200	5120	5002	4892	4878	4960	5087	20- 30	2431	4560	28.5,28.5
40	4646	4653	4543	4345	4182	4169	4279	4484	30- 40	2975	7535	47,47
50	3834	3848	3698	3477	3275	3255	3416	3648	40- 50	3085	10620	66.3,66.3
60	2831	2837	2648	2334	2106	2082	2285	2603	50- 60	2712	13333	83.2,83.2
70	1566	1566	1376	1096	917.7	919.1	1077	1335	60- 70	1817	15149	94.5,94.5
80	513.1	514.2	368.0	181.6	92.50	91.68	184.3	341.9	70- 80	764.4	15913	99.3,99.3
90	13.60	13.24	7.370	1.225	0.3785	0.3818	0.3749	6.538	80- 90	95.38	16009	99.9,99.9
100	1.160	1.155	1.281	1.481	0.7041	0.7253	0.6563	0.5617	90-100	1.645	16011	99.9,99.9
110	1.525	1.530	1.683	1.842	1.129	1.166	1.067	0.9340	100-110	1.235	16012	99.9,99.9
120	2.118	2.093	2.223	2.377	1.741	1.667	1.607	1.389	110-120	1.590	16013	99.9,99.9
130	3.205	3.231	3.443	3.559	2.440	2.309	2.186	2.002	120-130	2.062	16015	99.9,99.9
140	5.184	5.481	5.716	5.740	3.175	3.085	2.955	2.868	130-140	2.683	16018	99.9,99.9
150	7.457	8.326	8.553	8.484	3.758	3.711	3.774	3.631	140-150	3.234	16021	100,100
160	9.356	9.865	10.02	10.26	4.817	4.786	4.592	4.422	150-160	3.092	16024	100,100
170	8.775	8.843	9.026	9.141	5.598	5.246	5.161	5.157	160-170	2.077	16026	100,100
180	7.638	6.989	6.770	7.179	7.657	7.276	6.893	7.054	170-180	0.6786	16027	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 9092.8 lm

%lum = 56.7%  
%lamp = 56.7%

Conical surface Flux(120deg): 13333 lm

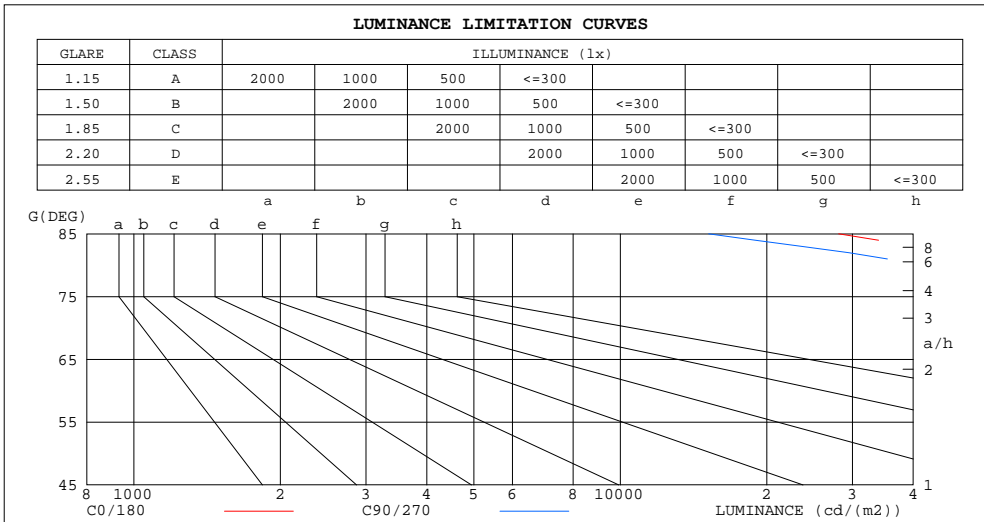
%lum = 83.2%  
%lamp = 83.2%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.9DEG  
Operators:Ben  
Test Date:2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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	28118	15191
80	57451	41274
75	74304	62406
70	89030	78343
65	101305	91636
60	110070	103141
55	114114	108418
50	115970	112047
45	116821	113626

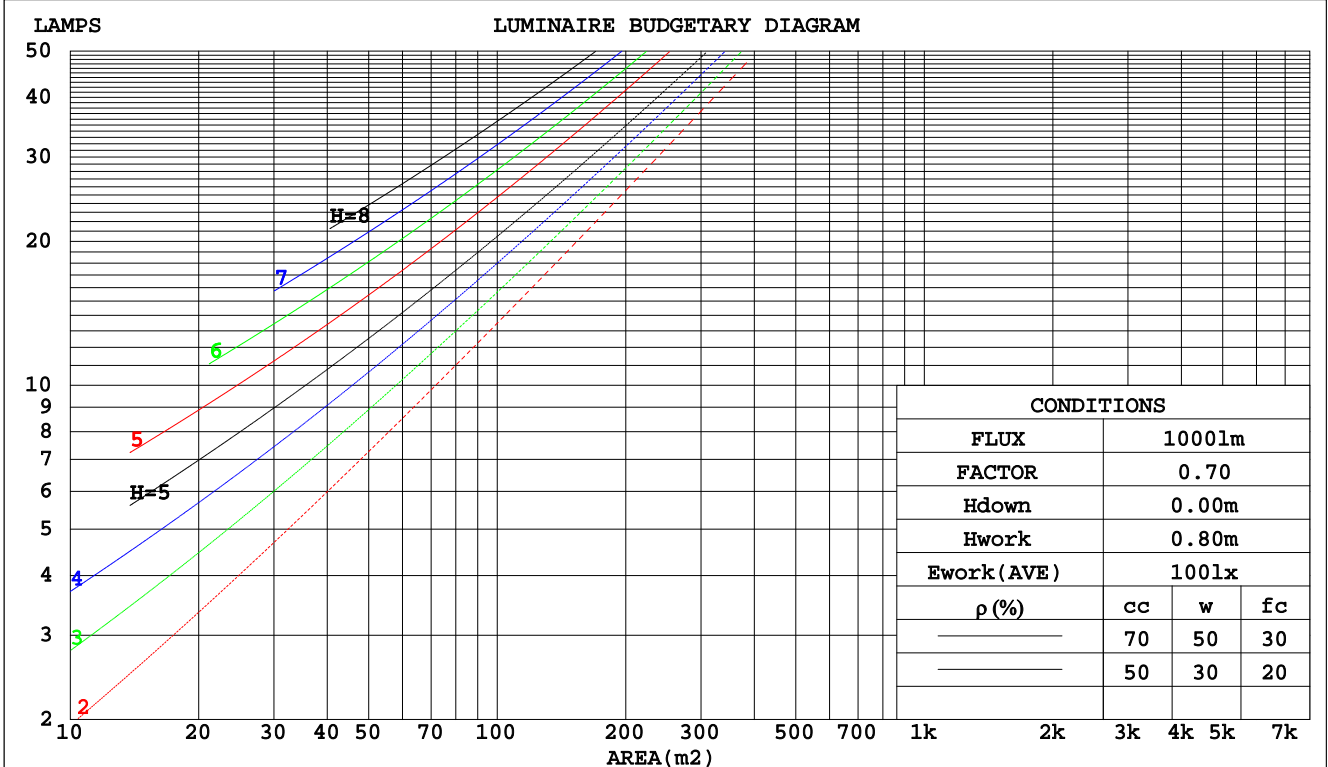
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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
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	1.19	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	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.88	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.67	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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	.284	.161	.051	.276	.158	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045	
2.0	.274	.150	.046	.268	.148	.045	.256	.143	.044	.246	.138	.043	.236	.133	.042	
3.0	.258	.137	.041	.252	.135	.041	.242	.131	.040	.232	.127	.039	.224	.124	.038	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.224	.114	.033	.219	.113	.033	.211	.110	.032	.204	.108	.032	.197	.105	.032	
6.0	.209	.105	.030	.205	.103	.030	.198	.101	.029	.191	.099	.029	.185	.097	.029	
7.0	.195	.096	.027	.192	.095	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.077	.022	.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	.021	.021	.021	
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	.140	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.156	.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	.122	.072	.035	.084	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.135	.076	.035	.116	.066	.030	.080	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.019	.045	.025	.011	.014	.008	.004	
9.0	.123	.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: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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	29.8	31.3	30.1	31.5	31.7	29.6	31.1	29.9	31.3	31.5
3H	31.1	32.5	31.4	32.7	33.0	30.8	32.1	31.1	32.4	32.6
4H	31.5	32.8	31.9	33.1	33.3	31.1	32.4	31.4	32.6	32.9
6H	31.8	33.0	32.1	33.3	33.6	31.2	32.5	31.6	32.7	33.0
8H	31.8	33.0	32.2	33.3	33.6	31.2	32.4	31.6	32.7	33.0
12H	31.8	32.9	32.2	33.2	33.5	31.2	32.3	31.6	32.6	32.9
4H 2H	30.4	31.7	30.7	31.9	32.2	30.2	31.5	30.5	31.7	32.0
3H	31.9	33.0	32.2	33.3	33.6	31.5	32.7	31.9	33.0	33.3
4H	32.4	33.4	32.8	33.7	34.1	32.0	33.0	32.4	33.3	33.7
6H	32.7	33.6	33.1	34.0	34.3	32.2	33.1	32.6	33.5	33.8
8H	32.8	33.6	33.2	34.0	34.4	32.2	33.1	32.6	33.4	33.8
12H	32.8	33.6	33.2	33.9	34.3	32.2	33.0	32.6	33.4	33.8
8H 4H	32.5	33.4	33.0	33.7	34.1	32.2	33.0	32.6	33.4	33.8
6H	33.0	33.7	33.4	34.1	34.5	32.5	33.2	33.0	33.6	34.0
8H	33.1	33.7	33.6	34.1	34.6	32.6	33.2	33.0	33.6	34.0
12H	33.1	33.7	33.6	34.1	34.6	32.6	33.1	33.0	33.5	34.0
12H 4H	32.5	33.3	33.0	33.7	34.1	32.2	32.9	32.6	33.3	33.7
6H	33.0	33.6	33.5	34.0	34.5	32.5	33.1	33.0	33.6	34.0
8H	33.1	33.6	33.6	34.1	34.6	32.6	33.1	33.1	33.6	34.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.5				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 16027 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.6)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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

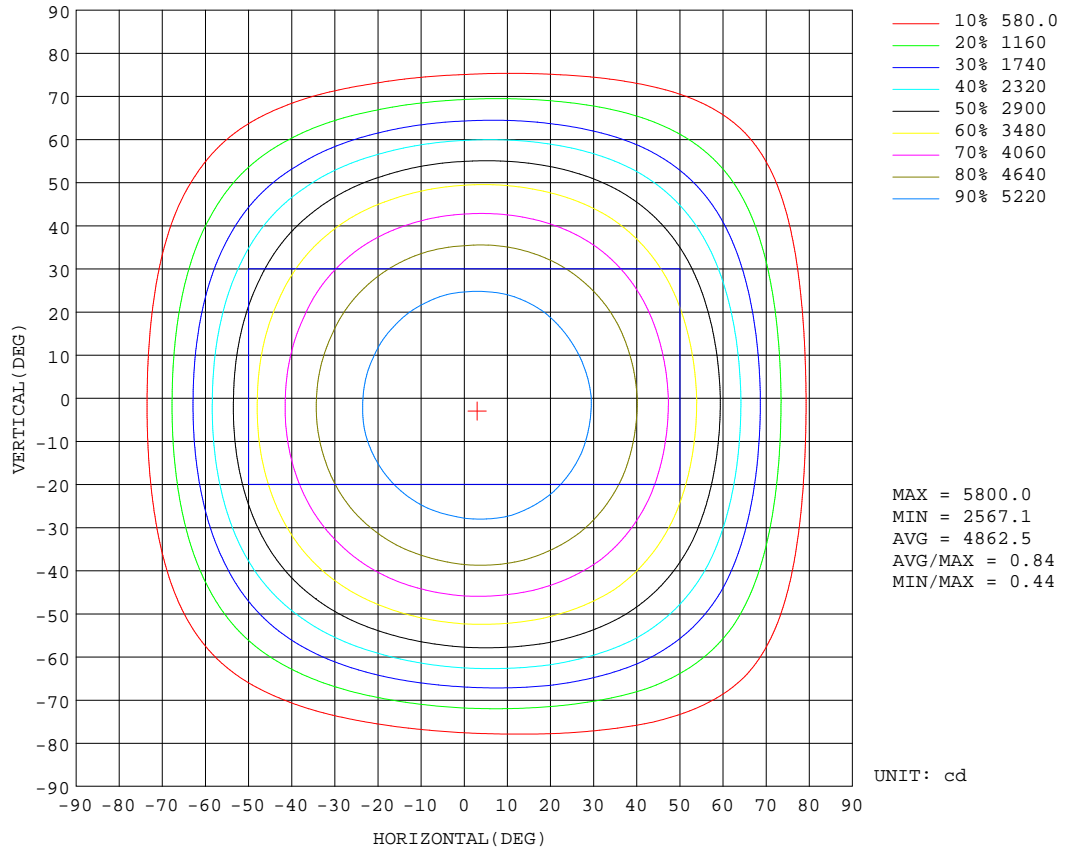
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	47	40	58	47	40	57	46	40	34
0.80	69	58	50	68	57	50	66	56	50	43
1.00	78	67	60	76	66	60	74	68	59	52
1.25	85	75	68	83	74	68	81	73	67	60
1.50	90	80	74	88	80	73	85	78	72	65
2.00	97	89	83	95	87	82	91	85	80	73
2.50	100	93	87	98	92	87	95	89	85	77
3.00	104	97	92	101	96	91	97	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	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: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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



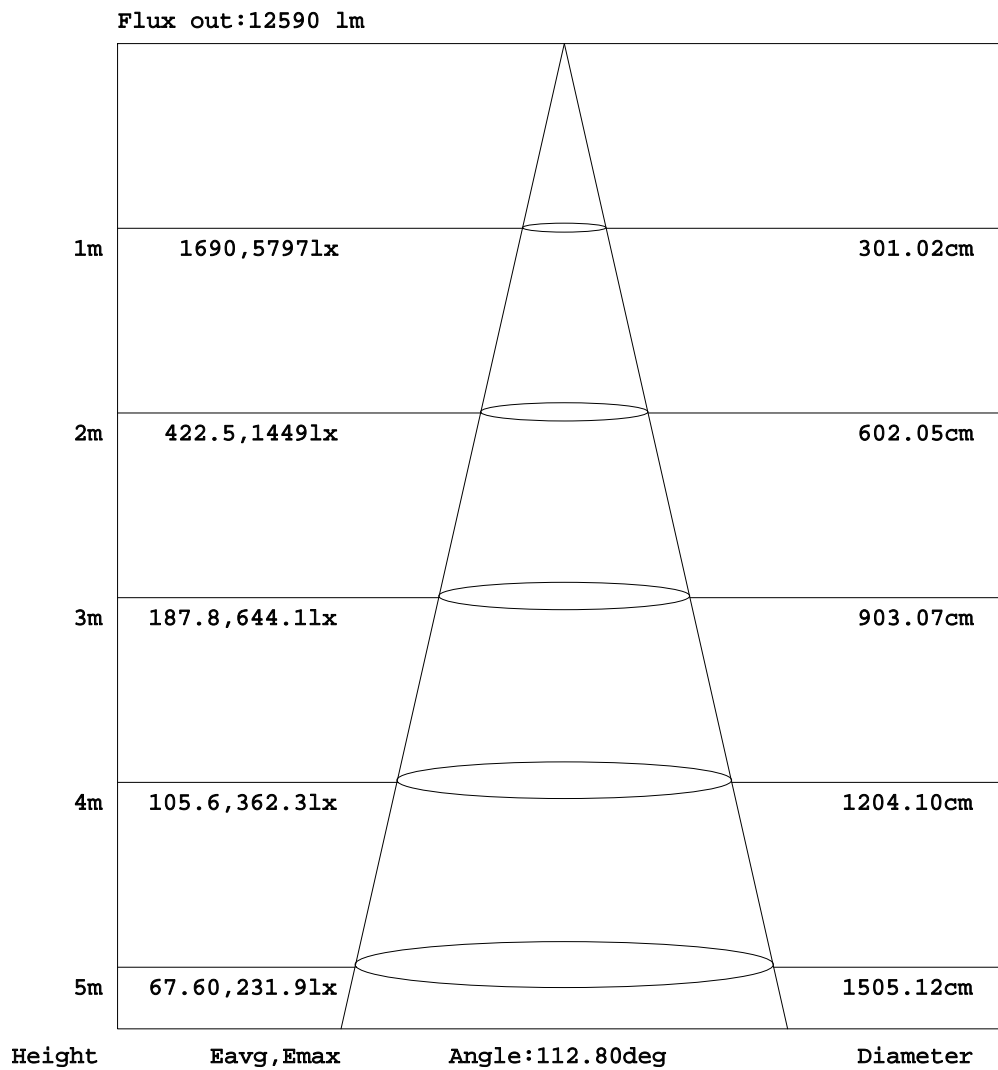
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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



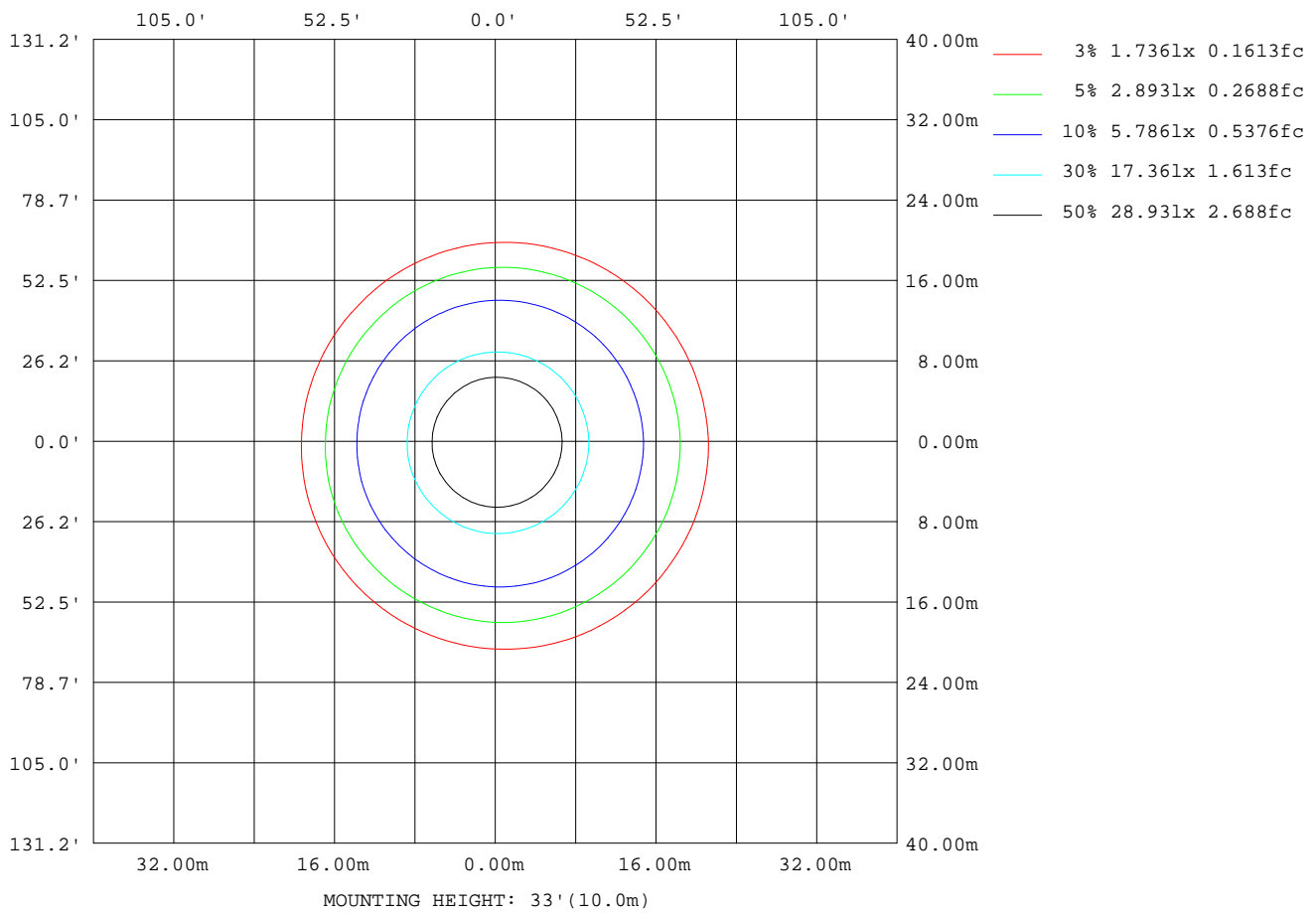
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature: 24.9DEG  
 Operators: Ben  
 Test Date: 2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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

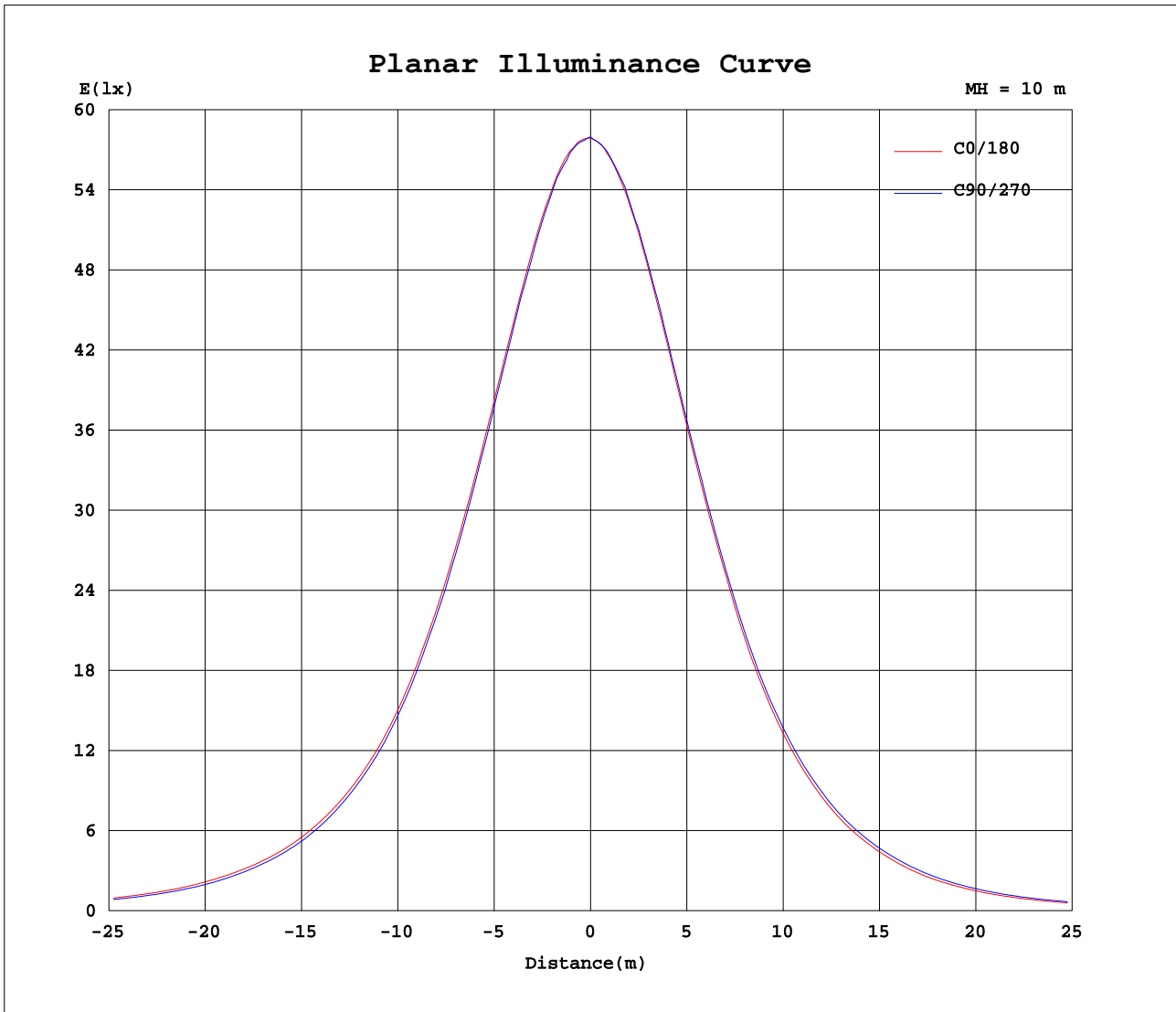
AvgL	cd/m2
L_0~180 (65) av	84441
L_0~180 (75) av	53890
L_0~180 (85) av	15376
L_90~270 (65) av	83485
L_90~270 (75) av	53069
L_90~270 (85) av	10016
L_45 (65) av	84401
L_45 (75) av	53299
L_45 (85) av	12224

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:24.9DEG  
 Operators:Ben  
 Test Date:2020-10-14

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: 10.0deg/s  
 Temperature: 24.9DEG  
 Operators: Ben  
 Test Date: 2020-10-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3526A P:75.90W PF:0.9360 Lamp Flux:16027.2x1 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	5785	5785	5785	5785	5785	5785	5785	5785	5785	5785	5785	5785	5785	5785	5785	5785			
5	5782	5796	5789	5798	5765	5769	5759	5749	5734	5737	5735	5752	5738	5761	5774	5778			
10	5753	5766	5756	5743	5727	5715	5690	5673	5654	5652	5647	5655	5675	5695	5718	5733			
15	5676	5687	5680	5678	5628	5615	5578	5548	5527	5522	5522	5552	5548	5595	5621	5643			
20	5556	5572	5561	5542	5508	5475	5432	5400	5363	5355	5359	5374	5404	5448	5485	5528			
25	5395	5415	5401	5390	5327	5293	5239	5188	5152	5133	5140	5181	5192	5257	5308	5351			
30	5194	5214	5200	5173	5120	5068	5002	4947	4892	4878	4878	4916	4960	5025	5087	5152			
35	4946	4962	4950	4921	4849	4788	4719	4644	4591	4560	4566	4620	4656	4745	4818	4883			
40	4646	4668	4653	4613	4543	4447	4345	4261	4182	4147	4169	4214	4279	4377	4484	4576			
45	4249	4282	4267	4214	4125	4037	3919	3835	3755	3722	3741	3799	3865	3974	4078	4165			
50	3834	3868	3848	3785	3698	3592	3477	3372	3275	3239	3255	3321	3416	3533	3648	3754			
55	3367	3396	3378	3311	3193	3069	2942	2837	2740	2703	2724	2795	2884	3016	3144	3258			
60	2831	2863	2837	2765	2648	2487	2334	2225	2106	2070	2082	2165	2285	2450	2603	2729			
65	2202	2249	2225	2140	1988	1850	1707	1562	1470	1434	1458	1543	1642	1794	1950	2086			
70	1566	1601	1566	1486	1376	1237	1096	998	918	889	919	977	1077	1200	1335	1461			
75	989	1018	994	917	829	701	591	516	446	425	448	503	584	693	805	910			
80	513	541	514	455	368	270	182	129	92.5	78.2	91.7	135	184	248	342	446			
85	126	139	127	98.5	68.0	46.0	19.8	14.3	11.8	9.65	11.1	15.5	21.8	31.8	61.0	92.8			
90	13.6	14.3	13.2	10.9	7.37	4.22	1.22	0.95	0.38	0.39	0.38	0.37	0.37	2.60	6.54	11.4			
95	0.89	0.87	0.88	0.93	1.00	1.09	1.19	1.28	0.53	0.54	0.54	0.52	0.49	0.44	0.41	0.37			
100	1.16	1.14	1.16	1.21	1.28	1.38	1.48	1.56	0.70	0.72	0.73	0.71	0.66	0.61	0.56	0.52			
105	1.35	1.35	1.37	1.42	1.49	1.58	1.67	1.73	0.90	0.93	0.93	0.91	0.85	0.81	0.74	0.69			
110	1.52	1.51	1.53	1.61	1.68	1.76	1.84	1.87	1.13	1.15	1.17	1.13	1.07	1.02	0.93	0.88			
115	1.75	1.73	1.75	1.83	1.90	1.96	2.05	2.09	1.39	1.39	1.41	1.38	1.34	1.26	1.15	1.10			
120	2.12	2.08	2.09	2.16	2.22	2.28	2.38	2.42	1.74	1.67	1.67	1.65	1.61	1.52	1.39	1.34			
125	2.56	2.56	2.57	2.67	2.71	2.78	2.85	2.89	2.09	2.03	2.00	1.95	1.90	1.74	1.70	1.60			
130	3.21	3.27	3.23	3.40	3.44	3.50	3.56	3.56	2.44	2.39	2.31	2.27	2.19	2.12	2.00	1.96			
135	4.04	4.15	4.13	4.28	4.43	4.48	4.47	4.41	2.85	2.80	2.67	2.68	2.62	2.58	2.41	2.44			
140	5.18	5.32	5.48	5.50	5.72	5.82	5.74	5.51	3.17	3.02	3.09	3.05	2.95	2.89	2.87	2.85			
145	6.44	6.72	7.09	7.22	7.32	7.43	7.23	6.85	3.41	3.25	3.40	3.54	3.46	3.40	3.31	3.29			
150	7.46	8.01	8.33	8.53	8.55	8.70	8.48	8.04	3.76	3.66	3.71	3.79	3.77	3.73	3.63	3.71			
155	8.67	9.21	9.30	9.45	9.58	9.70	9.54	9.21	4.22	3.97	4.23	4.25	4.17	4.22	4.05	4.38			
160	9.36	9.68	9.86	10.2	10.0	10.3	10.3	9.78	4.82	4.66	4.79	4.58	4.59	4.48	4.42	4.90			
165	9.35	9.47	9.60	9.84	9.99	10.0	10.0	9.67	5.23	5.13	4.94	4.98	4.85	4.73	4.76	5.32			
170	8.77	8.75	8.84	8.92	9.03	9.03	9.14	9.04	5.60	5.55	5.25	5.23	5.16	5.02	5.16	5.60			
175	8.52	8.40	8.34	8.11	7.97	8.29	8.41	8.53	6.34	6.31	6.08	5.88	5.92	5.53	5.91	6.23			
180	7.64	7.24	6.99	6.81	6.77	7.04	7.18	7.39	7.66	7.64	7.28	7.11	6.89	6.92	7.05	7.33			

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