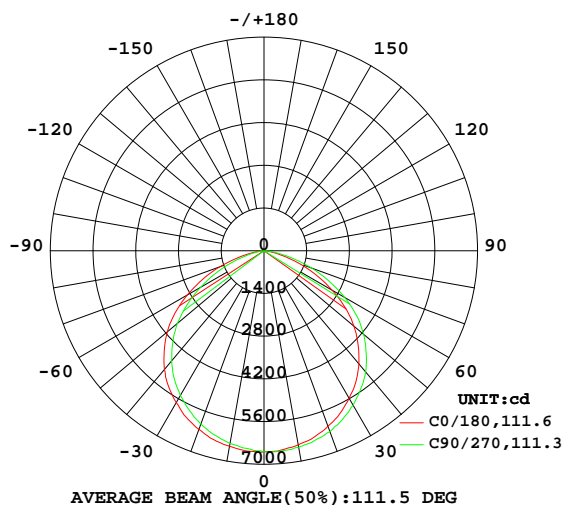


LUMINAIRE PHOTOMETRIC TEST REPORT

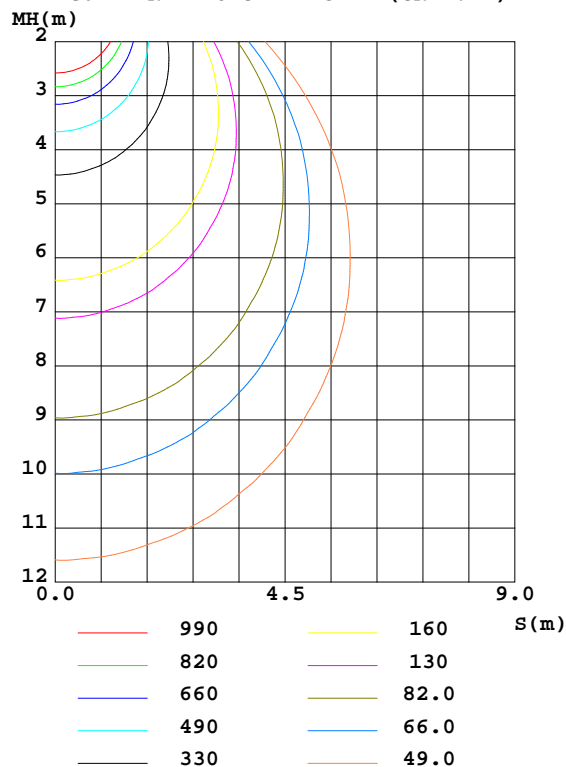
Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullidlighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 190.32 lm/W			
MODEL	R2DG200115801-10	I _{max} (cd)	6608	S/MH(C0/180)	1.26
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	17986	η UP,DN(C0-180)	0.1,47.9
NOMINAL FLUX(lm)	17985.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,52.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

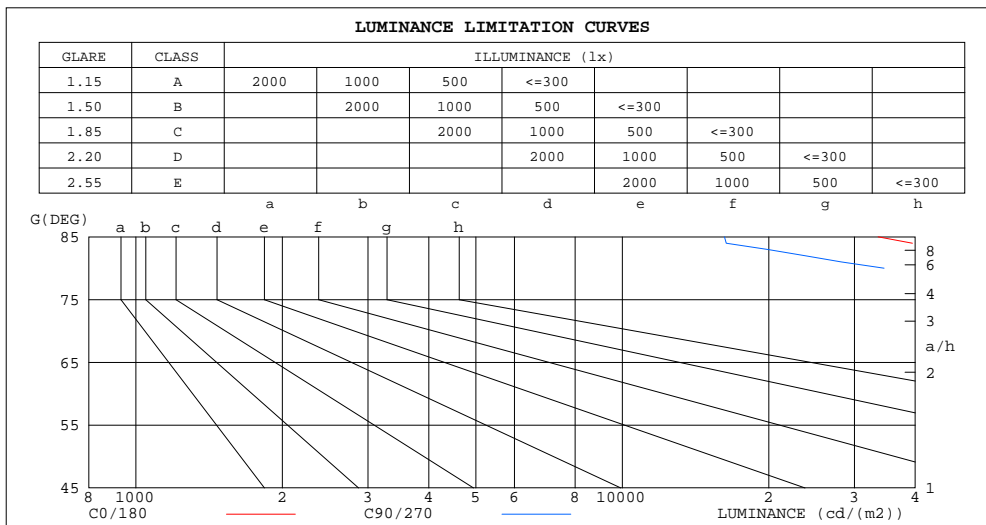
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	ℓlum, lamp
10	6503	6443	6413	6422	6460	6502	6542	6536	0- 10	623.1	623.1	3.46,3.46
20	6229	6124	6049	6057	6127	6223	6306	6304	10- 20	1793	2416	13.4,13.4
30	5746	5587	5478	5478	5580	5716	5844	5849	20- 30	2739	5155	28.7,28.7
40	5076	4854	4711	4710	4841	5032	5186	5191	30- 40	3335	8490	47.2,47.2
50	4135	3880	3704	3700	3850	4076	4261	4280	40- 50	3459	11949	66.4,66.4
60	2907	2606	2407	2411	2570	2843	3047	3064	50- 60	3022	14971	83.2,83.2
70	1538	1272	1098	1092	1234	1466	1664	1693	60- 70	2031	17002	94.5,94.5
80	395.6	264.7	188.2	179.9	233.2	346.2	461.7	482.4	70- 80	840.3	17843	99.2,99.2
90	26.28	15.49	10.68	9.546	13.79	21.67	31.64	33.71	80- 90	119.9	17962	99.9,99.9
100	1.423	1.589	1.717	1.717	0.7386	0.6705	0.6037	0.5806	90-100	5.792	17968	99.9,99.9
110	1.727	1.890	2.058	2.023	1.173	1.091	0.9854	0.9477	100-110	1.390	17970	99.9,99.9
120	2.326	2.414	2.564	2.538	1.793	1.619	1.513	1.414	110-120	1.706	17971	99.9,99.9
130	3.482	3.594	3.861	3.746	2.552	2.293	2.104	2.066	120-130	2.182	17973	99.9,99.9
140	5.438	5.841	6.116	5.863	3.312	3.135	2.966	2.924	130-140	2.822	17976	99.9,99.9
150	7.827	8.681	8.887	8.476	3.796	3.814	3.796	3.674	140-150	3.326	17980	100,100
160	9.769	9.873	9.957	9.966	4.867	4.838	4.593	4.454	150-160	3.133	17983	100,100
170	9.124	8.796	8.847	8.862	5.717	5.444	5.216	5.223	160-170	2.079	17985	100,100
180	7.747	7.072	6.824	7.267	7.817	7.411	6.787	6.990	170-180	0.6847	17986	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.2DEG
Operators:Ben
Test Date:2020-03-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.506m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullightlighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	33577	16219
80	72436	34525
75	109593	68300
70	142939	102271
65	167234	131923
60	184846	153365
55	197435	170547
50	204557	183550
45	207948	190281

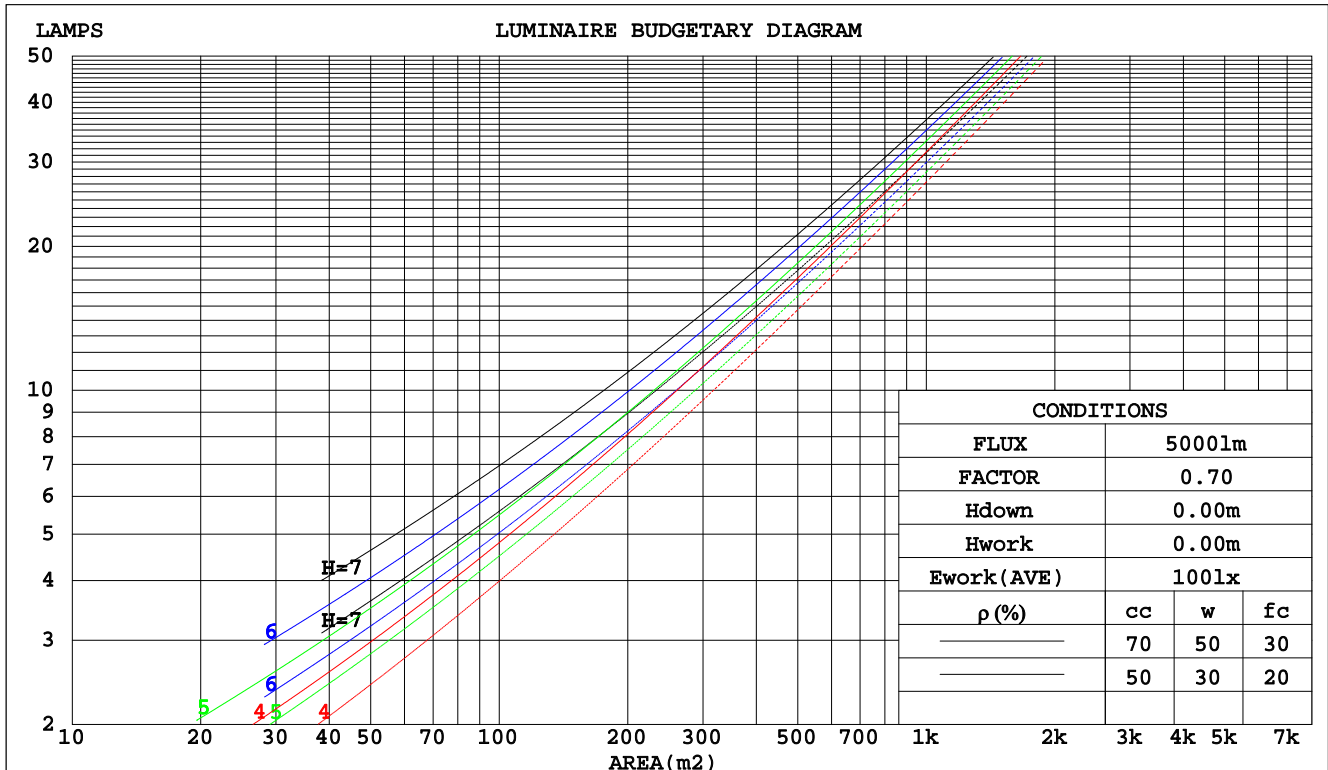
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 24.2DEG
 Operators: Ben
 Test Date: 2020-03-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 44%
 Test Distance: 2.506m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullightlighting	SUR.:	Shielding Angle:

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	.71	.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	.65	.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	.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	.30	.43	.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: 10.0deg/s
Temperature: 24.2DEG
Operators: Ben
Test Date: 2020-03-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity: 44%
Test Distance: 2.506m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm								
NAME: LED Highbay			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Ulledlighting			SUR.:			Shielding Angle:		

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.283	.161	.051	.276	.158	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045	
2.0	.274	.150	.046	.268	.147	.045	.256	.142	.044	.245	.138	.043	.235	.133	.042	
3.0	.257	.137	.041	.252	.135	.041	.241	.131	.040	.232	.127	.039	.223	.124	.038	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.210	.114	.035	
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.032	
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.195	.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	.169	.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	

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						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	.154	.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	.036	.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	.027	.106	.057	.023	.073	.040	.016	.043	.024	.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:24.2DEG
Operators:Ben
Test Date:2020-03-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.506m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm											
NAME: LED Highbay						TYPE:			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: Ulledlighting						SUR.:			Shielding Angle:		
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	21.1	22.6	21.4	22.8	23.0	20.5	22.0	20.8	22.2	22.4	
	3H	22.3	23.7	22.6	23.9	24.1	21.4	22.7	21.7	23.0	23.2
	4H	22.6	23.9	22.9	24.2	24.4	21.5	22.8	21.9	23.1	23.3
	6H	22.7	23.9	23.1	24.2	24.5	21.5	22.8	21.9	23.0	23.3
	8H	22.7	23.9	23.1	24.2	24.5	21.5	22.7	21.8	23.0	23.2
	12H	22.7	23.8	23.0	24.1	24.4	21.5	22.6	21.8	22.9	23.2
4H	2H	21.5	22.8	21.9	23.1	23.3	21.0	22.3	21.3	22.6	22.8
	3H	22.8	24.0	23.2	24.3	24.6	22.0	23.2	22.4	23.4	23.7
	4H	23.2	24.2	23.6	24.6	24.9	22.3	23.3	22.6	23.6	23.9
	6H	23.4	24.3	23.8	24.7	25.0	22.3	23.2	22.7	23.5	23.9
	8H	23.4	24.2	23.8	24.6	25.0	22.3	23.1	22.7	23.5	23.9
	12H	23.4	24.2	23.8	24.5	24.9	22.2	23.0	22.7	23.4	23.8
8H	4H	23.3	24.1	23.7	24.5	24.8	22.3	23.2	22.8	23.6	23.9
	6H	23.5	24.2	23.9	24.6	25.0	22.4	23.1	22.9	23.5	24.0
	8H	23.5	24.1	24.0	24.6	25.0	22.4	23.0	22.9	23.5	23.9
	12H	23.5	24.0	24.0	24.5	25.0	22.4	22.9	22.9	23.4	23.8
12H	4H	23.2	24.0	23.6	24.4	24.8	22.3	23.1	22.7	23.5	23.9
	6H	23.5	24.1	23.9	24.5	24.9	22.4	23.0	22.9	23.5	23.9
	8H	23.5	24.0	24.0	24.5	24.9	22.4	22.9	22.9	23.4	23.9
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 / - 0.5					
2.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.6					

CIE Pub.117, 17986 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.0)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.2DEG
Operators:Ben
Test Date:2020-03-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.506m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

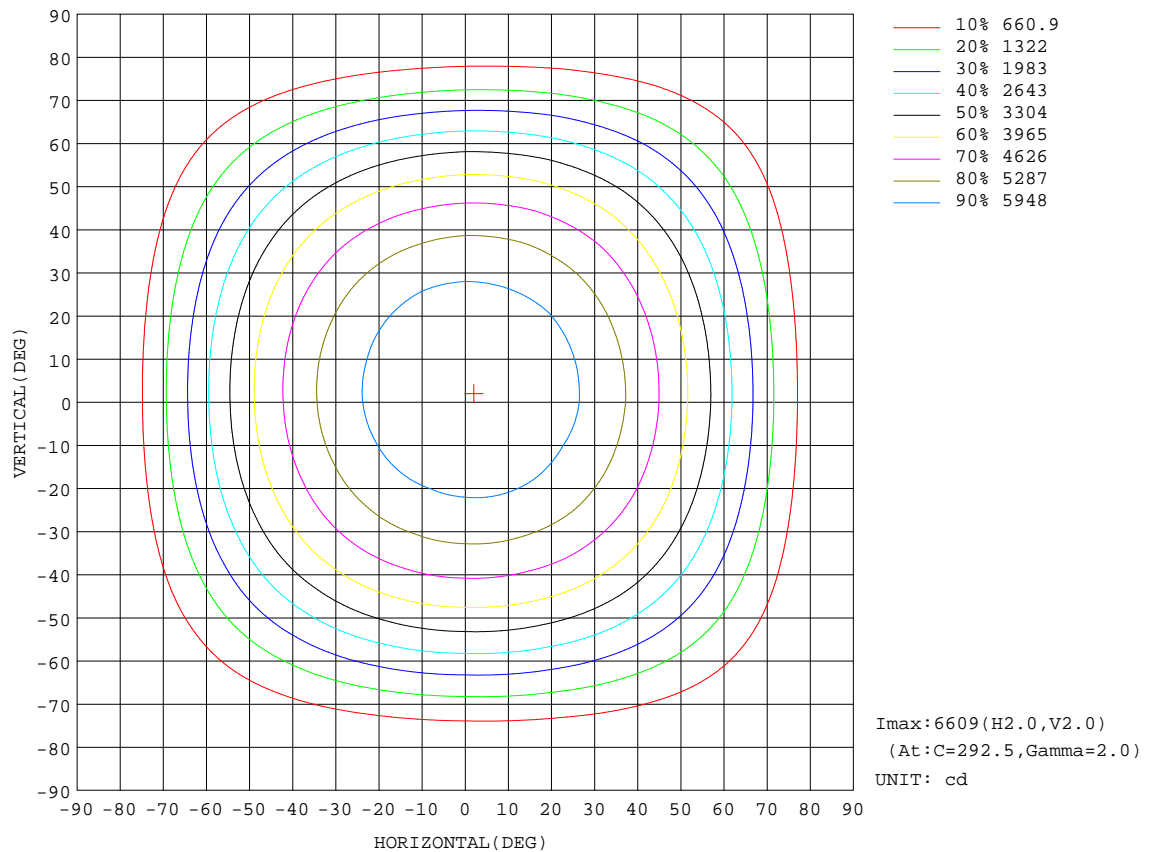
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	40	58	47	40	57	47	40	34
0.80	69	58	51	68	57	50	66	57	50	43
1.00	78	67	60	77	66	60	74	68	59	52
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	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	98	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:24.2DEG
Operators:Ben
Test Date:2020-03-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.506m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullighting	SUR.:	Shielding Angle:

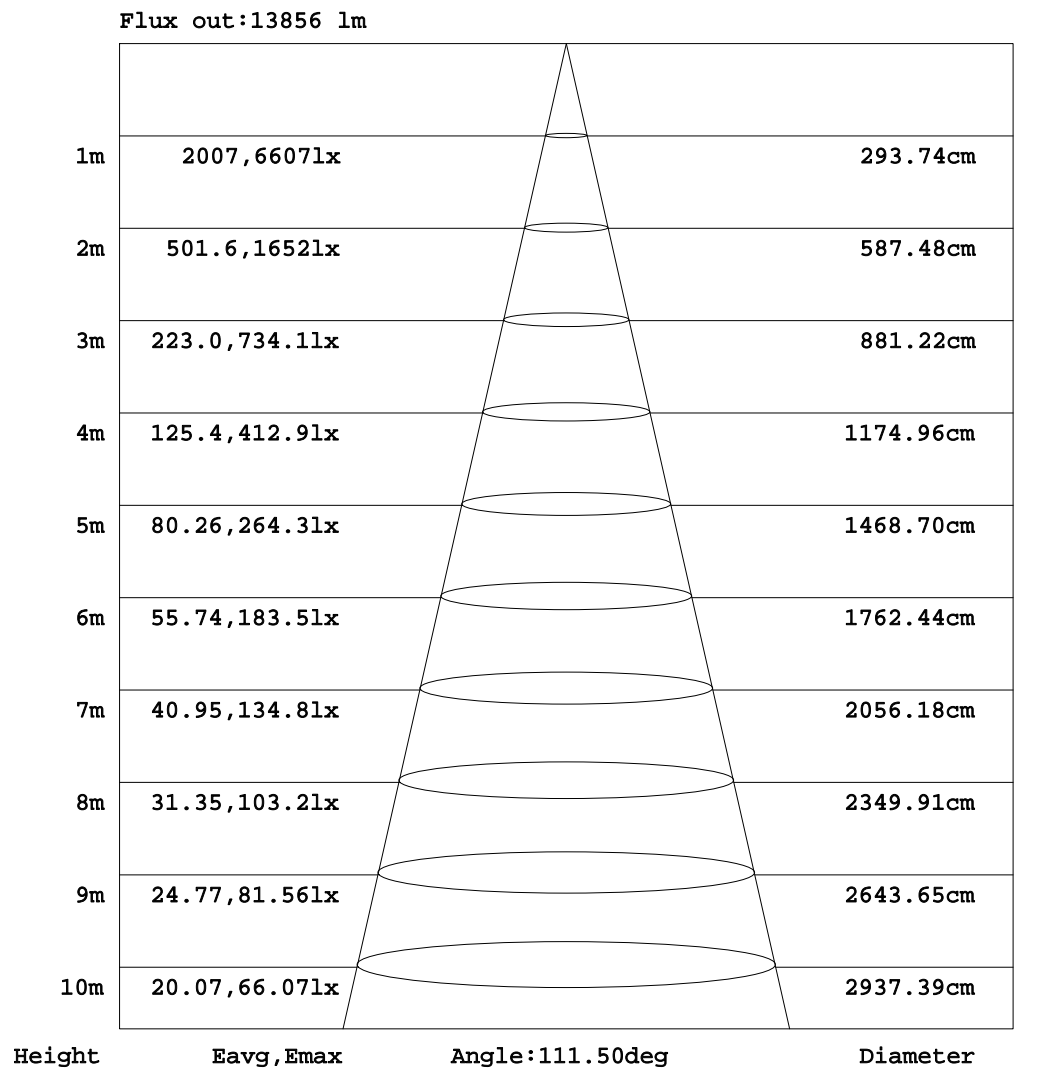


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.2DEG
Operators:Ben
Test Date:2020-03-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.506m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:



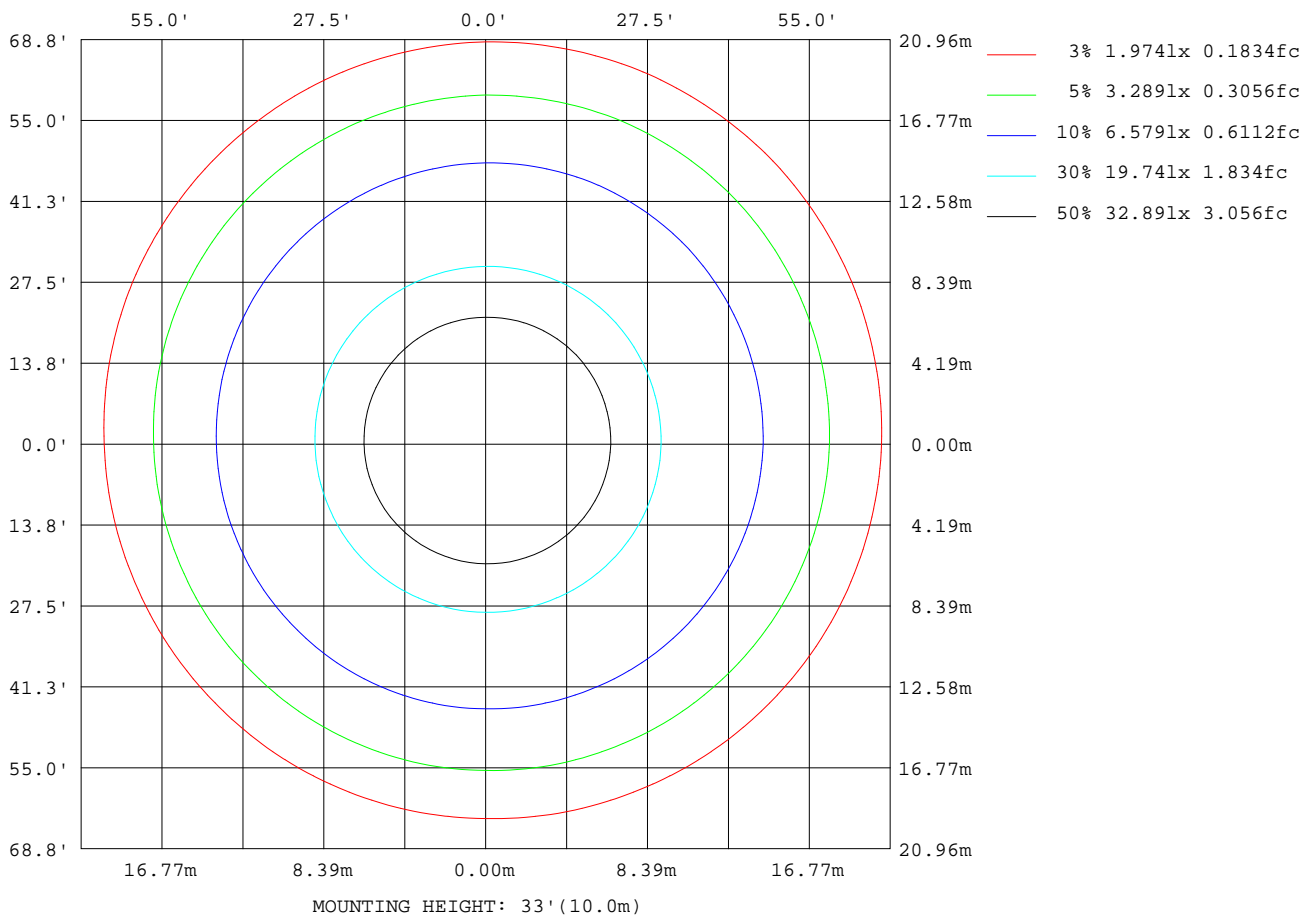
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullidlighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 24.2DEG
Operators: Ben
Test Date: 2020-03-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity: 44%
Test Distance: 2.506m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

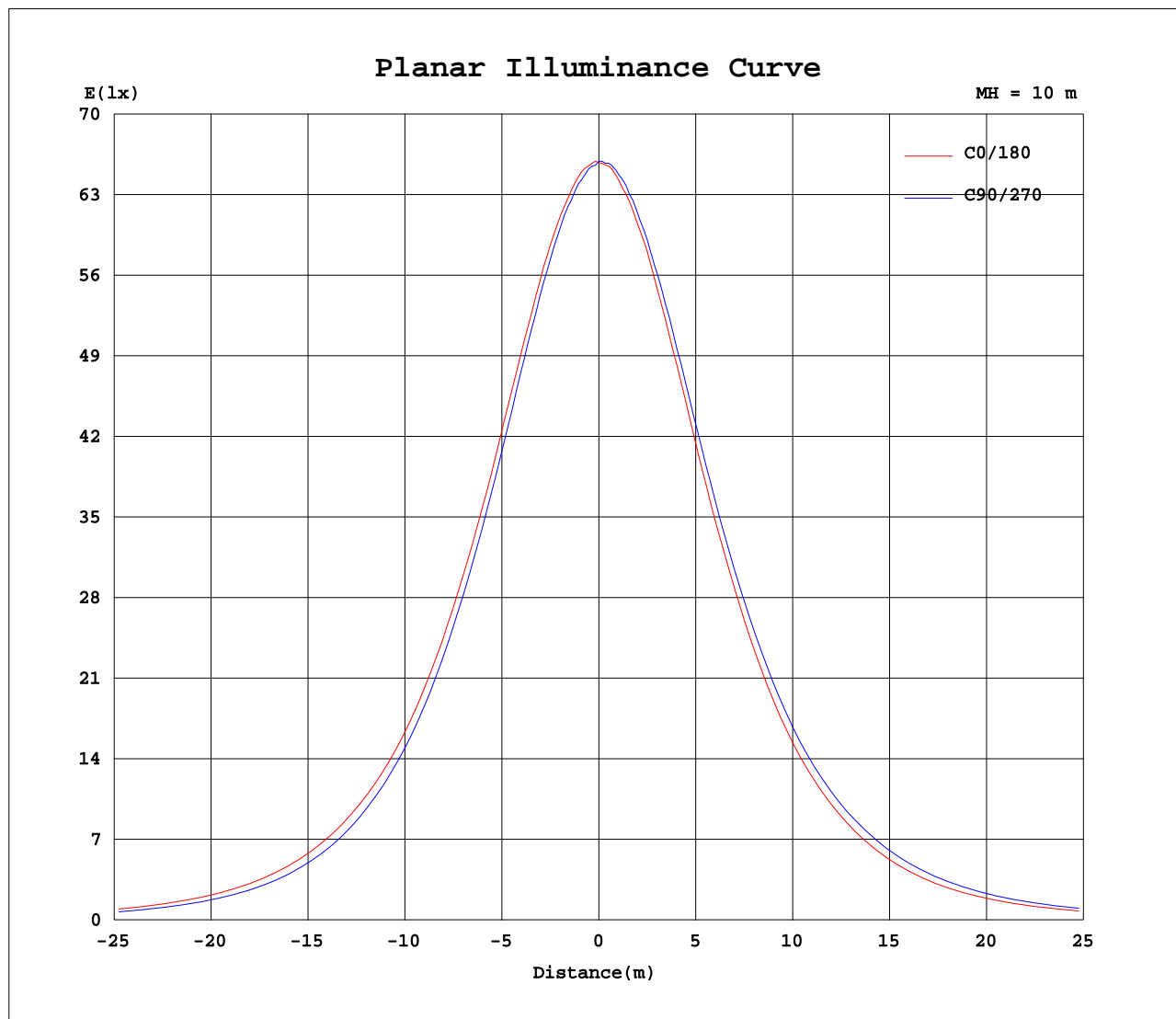
AvgL	cd/m2
L_0~180(65)av	155087
L_0~180(75)av	94560
L_0~180(85)av	25652
L_90~270(65)av	154538
L_90~270(75)av	95443
L_90~270(85)av	31998
L_45(65)av	154836
L_45(75)av	94911
L_45(85)av	28994

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.2DEG
Operators:Ben
Test Date:2020-03-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.506m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 24.2DEG
 Operators: Ben
 Test Date: 2020-03-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 44%
 Test Distance: 2.506m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.01V I:0.4184A P:94.500W PF:0.9410 Freq:50.00Hz Lamp Flux:17985.5x1 lm																	
NAME: LED Highbay									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Ullidlighting									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(DEC)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (DEC)																			
0	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589			
5	6586	6548	6555	6516	6506	6520	6514	6539	6556	6555	6579	6573	6587	6606	6580	6598			
10	6503	6474	6443	6428	6413	6414	6422	6432	6460	6482	6502	6521	6542	6545	6536	6521			
15	6405	6348	6323	6267	6250	6257	6247	6293	6329	6355	6395	6414	6436	6458	6429	6436			
20	6229	6171	6124	6081	6049	6045	6057	6093	6127	6173	6223	6272	6306	6313	6304	6266			
25	6027	5939	5887	5815	5778	5772	5775	5843	5885	5937	6019	6057	6095	6123	6096	6071			
30	5746	5672	5587	5522	5478	5463	5478	5526	5580	5645	5716	5801	5844	5859	5849	5805			
35	5448	5353	5266	5167	5123	5120	5114	5176	5248	5325	5415	5475	5529	5562	5535	5505			
40	5076	4973	4854	4752	4711	4696	4710	4754	4841	4942	5032	5114	5186	5217	5191	5131			
45	4625	4514	4400	4274	4224	4222	4219	4291	4364	4473	4584	4660	4738	4785	4756	4704			
50	4135	4017	3880	3766	3704	3689	3700	3766	3850	3969	4076	4176	4261	4302	4280	4207			
55	3562	3414	3280	3139	3071	3058	3064	3150	3249	3375	3501	3608	3702	3745	3716	3643			
60	2907	2757	2606	2480	2407	2395	2411	2469	2570	2711	2843	2955	3047	3097	3064	2990			
65	2223	2088	1941	1816	1750	1742	1746	1807	1893	2037	2154	2258	2351	2400	2378	2311			
70	1538	1416	1272	1162	1098	1083	1092	1135	1234	1356	1466	1578	1664	1717	1693	1619			
75	892	790	685	598	555	541	545	572	645	743	831	918	996	1043	1025	970			
80	396	325	265	218	188	175	180	198	233	285	346	407	462	488	482	442			
85	92.0	73.6	57.7	51.6	44.4	44.1	44.4	44.7	48.4	59.3	75.7	94.9	131	142	140	124			
90	26.3	20.3	15.5	12.4	10.7	9.71	9.55	11.1	13.8	17.5	21.7	27.1	31.6	34.0	33.7	30.7			
95	4.26	1.29	1.35	1.36	1.42	1.45	1.43	1.38	0.56	0.53	1.04	2.96	4.55	5.50	5.21	0.44			
100	1.42	1.50	1.59	1.66	1.72	1.75	1.72	1.66	0.74	0.71	0.67	0.63	0.60	0.59	0.58	0.59			
105	1.61	1.71	1.78	1.85	1.91	1.93	1.88	1.83	0.94	0.91	0.86	0.81	0.78	0.77	0.76	0.77			
110	1.73	1.81	1.89	2.00	2.06	2.06	2.02	1.94	1.17	1.14	1.09	1.01	0.99	0.97	0.95	0.98			
115	1.96	2.02	2.08	2.17	2.24	2.24	2.22	2.14	1.44	1.38	1.34	1.27	1.24	1.22	1.16	1.21			
120	2.33	2.36	2.41	2.50	2.56	2.56	2.54	2.46	1.79	1.67	1.62	1.58	1.51	1.46	1.41	1.43			
125	2.79	2.84	2.90	2.99	3.07	3.07	3.02	2.93	2.16	2.01	1.93	1.88	1.80	1.76	1.73	1.78			
130	3.48	3.60	3.59	3.77	3.86	3.84	3.75	3.63	2.55	2.44	2.29	2.21	2.10	2.18	2.07	2.17			
135	4.33	4.52	4.53	4.70	4.88	4.84	4.66	4.49	2.98	2.87	2.70	2.67	2.59	2.57	2.51	2.63			
140	5.44	5.64	5.84	5.86	6.12	6.11	5.86	5.53	3.31	3.07	3.13	3.08	2.97	2.91	2.92	2.99			
145	6.73	7.04	7.48	7.51	7.68	7.65	7.26	6.87	3.52	3.30	3.47	3.58	3.49	3.40	3.30	3.38			
150	7.83	8.39	8.68	8.83	8.89	8.84	8.48	8.00	3.80	3.74	3.81	3.86	3.80	3.77	3.67	3.83			
155	9.00	9.53	9.48	9.65	9.74	9.68	9.42	9.02	4.27	4.10	4.32	4.33	4.21	4.29	4.11	4.48			
160	9.77	9.91	9.87	10.1	9.96	10.1	9.97	9.46	4.87	4.76	4.84	4.63	4.59	4.59	4.45	4.96			
165	9.73	9.64	9.58	9.80	9.88	9.83	9.64	9.31	5.29	5.23	5.09	5.04	4.91	4.89	4.81	5.38			
170	9.12	8.96	8.80	8.79	8.85	8.87	8.86	8.79	5.72	5.69	5.44	5.31	5.22	5.22	5.22	5.77			
175	8.79	8.56	8.37	8.03	7.88	8.08	8.24	8.40	6.66	6.62	6.39	6.04	5.90	5.78	5.98	6.56			
180	7.75	7.37	7.07	6.75	6.82	7.04	7.27	7.49	7.82	7.78	7.41	7.09	6.79	6.88	6.99	7.34			

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