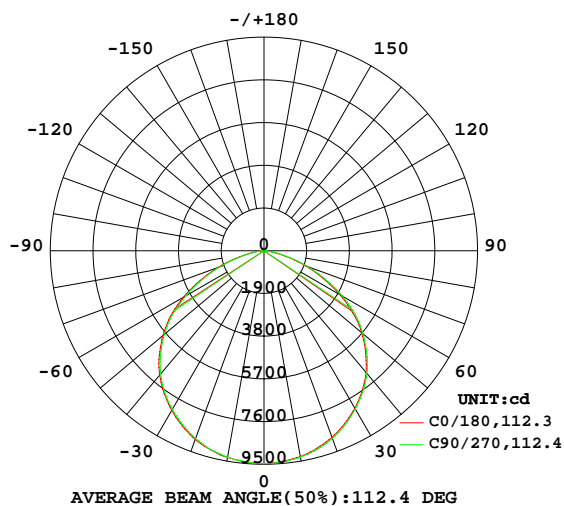


LUMINAIRE PHOTOMETRIC TEST REPORT

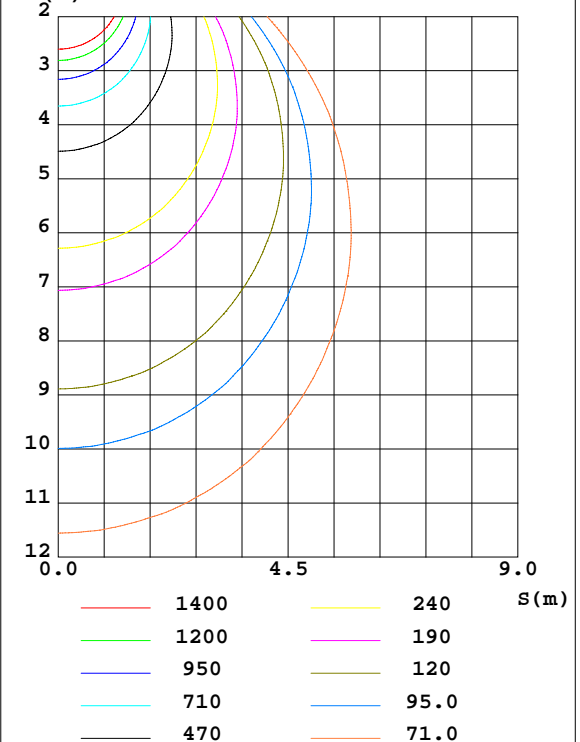
Test:U:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.31 lm/W			
MODEL	R2DG200115803-10	I _{max} (cd)	9481	S/MH(C0/180)	1.27
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	26107	η UP,DN(C0-180)	0.1,50.2
NOMINAL FLUX(lm)	26106.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
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:

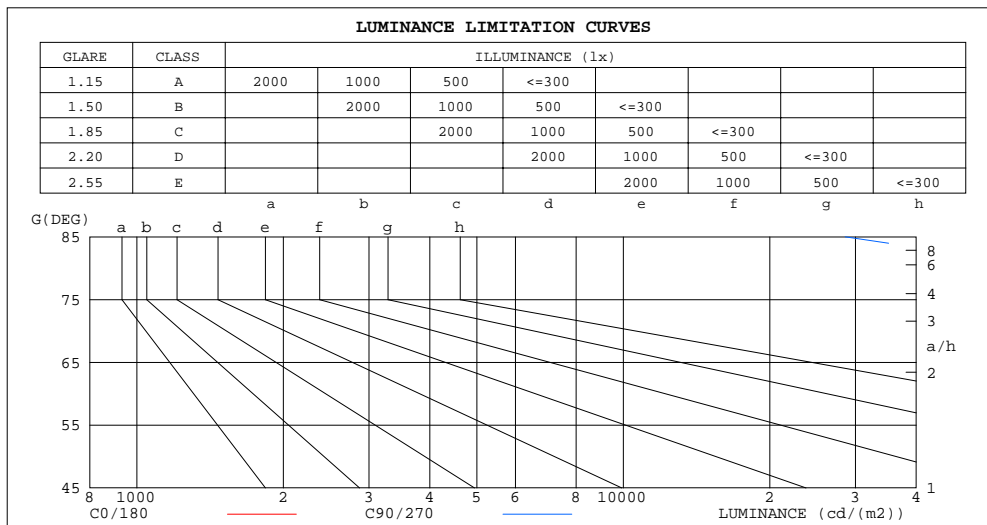
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9341	9329	9322	9316	9296	9310	9316	9331	0- 10	896.1	896.1	3.43,3.43
20	8942	8927	8898	8875	8843	8851	8885	8915	10- 20	2581	3477	13.3,13.3
30	8206	8198	8145	8119	8094	8094	8127	8175	20- 30	3940	7417	28.4,28.4
40	7221	7195	7156	7097	7066	7066	7124	7164	30- 40	4800	12217	46.8,46.8
50	5866	5846	5787	5706	5680	5675	5742	5800	40- 50	4994	17211	65.9,65.9
60	4136	4111	4015	3935	3881	3924	4021	4088	50- 60	4405	21617	82.8,82.8
70	2174	2164	2086	2011	1974	1992	2060	2133	60- 70	2994	24611	94.3,94.3
80	549.3	550.1	509.2	474.3	448.1	455.2	494.8	536.3	70- 80	1282	25892	99.2,99.2
90	24.53	24.12	22.82	20.65	19.19	19.86	22.81	24.49	80- 90	182.8	26075	99.9,99.9
100	2.154	2.201	2.260	2.305	1.039	1.053	1.026	0.9946	90-100	6.409	26082	99.9,99.9
110	2.575	2.649	2.771	2.775	1.639	1.683	1.636	1.579	100-110	2.013	26084	99.9,99.9
120	3.403	3.387	3.512	3.544	2.500	2.437	2.440	2.278	110-120	2.487	26086	99.9,99.9
130	5.041	5.072	5.355	5.282	3.563	3.414	3.280	3.210	120-130	3.166	26089	99.9,99.9
140	7.810	8.286	8.613	8.355	4.652	4.576	4.423	4.415	130-140	4.071	26093	99.9,99.9
150	11.18	12.48	12.73	12.29	5.351	5.460	5.560	5.399	140-150	4.781	26098	100,100
160	13.98	14.26	14.48	14.63	6.918	6.948	6.649	6.469	150-160	4.527	26103	100,100
170	13.07	12.82	12.97	13.11	8.161	7.823	7.656	7.612	160-170	3.021	26106	100,100
180	11.15	10.26	10.07	10.70	11.18	10.77	10.03	10.34	170-180	0.9973	26107	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 7.1 %									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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullidlighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	34363	28584
80	70027	64858
75	108296	101431
70	140712	134918
65	164300	158535
60	183130	177606
55	195729	191466
50	202011	199132
45	206084	203408

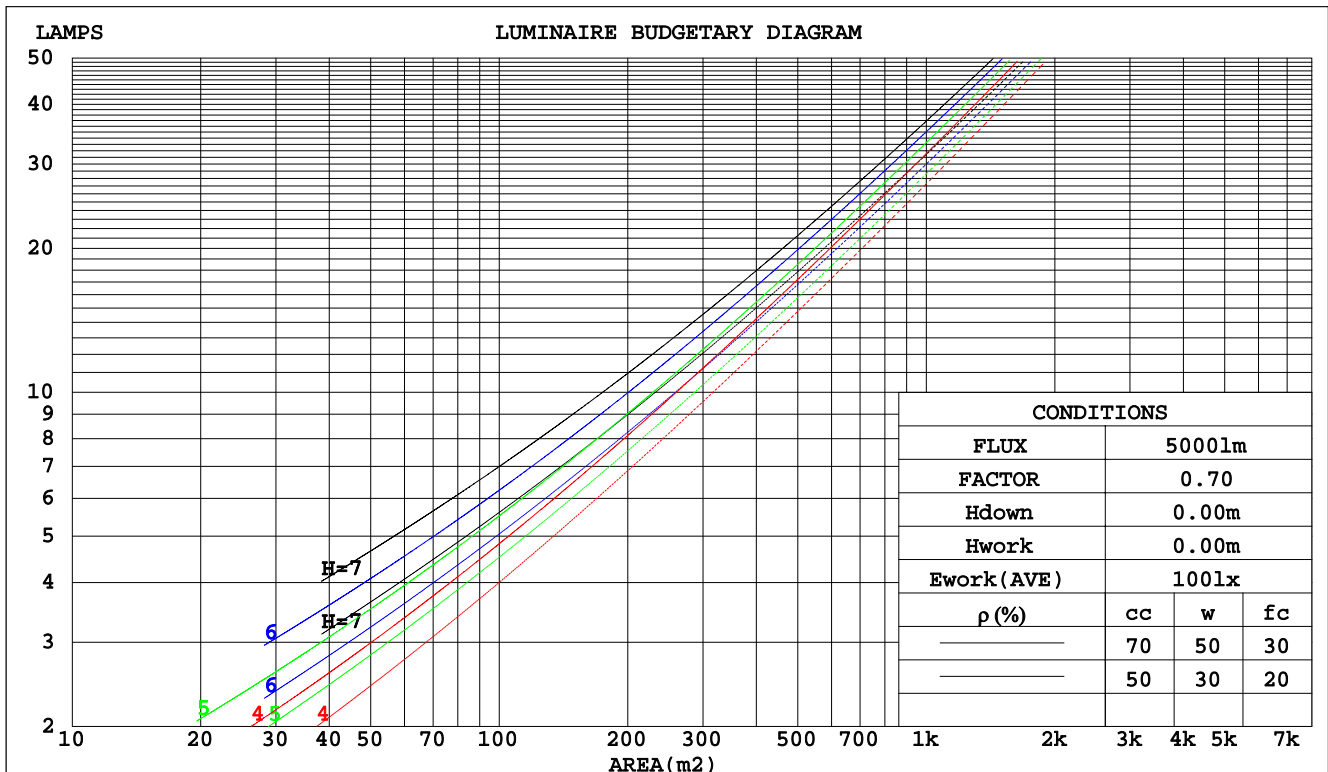
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 24.2DEG
Operators: Ben
Test Date: 2020-03-18

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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 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	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.71	.63	.56	.68	.61	.56	.66	.60	.55	.64	.58	.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	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.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	.40	.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:24.2DEG
 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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 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	.286	.162	.051	.278	.159	.050	.265	.152	.049	.253	.146	.047	.242	.140	.045		
2.0	.275	.151	.046	.269	.148	.046	.258	.143	.044	.247	.139	.043	.237	.134	.042		
3.0	.259	.138	.041	.253	.136	.041	.243	.132	.040	.233	.128	.039	.224	.124	.038		
4.0	.241	.125	.037	.236	.124	.037	.227	.120	.036	.218	.117	.035	.211	.114	.035		
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.032	.204	.108	.032	.197	.105	.032		
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.030	.191	.099	.029	.185	.097	.029		
7.0	.195	.096	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.174	.090	.027		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.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	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.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	.180	.157	.137	.154	.135	.118	.105	.093	.082	.060	.054	.047	.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	.060	.134	.088	.053	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.149	.091	.049	.128	.079	.043	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.142	.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	.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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 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	31.3	32.8	31.6	33.0	33.2	31.2	32.7	31.5	32.9	33.1	
	3H	32.5	33.8	32.8	34.1	34.3	32.3	33.7	32.6	33.9	34.2
	4H	32.8	34.1	33.1	34.3	34.6	32.6	33.9	32.9	34.2	34.4
	6H	32.9	34.1	33.2	34.4	34.7	32.7	33.9	33.0	34.2	34.5
	8H	32.9	34.1	33.2	34.3	34.6	32.7	33.9	33.0	34.2	34.5
	12H	32.9	34.0	33.2	34.3	34.6	32.7	33.8	33.0	34.1	34.4
4H	2H	31.8	33.1	32.1	33.4	33.6	31.7	33.0	32.0	33.3	33.5
	3H	33.1	34.2	33.5	34.5	34.8	33.0	34.1	33.4	34.4	34.7
	4H	33.5	34.5	33.9	34.9	35.2	33.4	34.4	33.8	34.7	35.1
	6H	33.7	34.6	34.1	35.0	35.3	33.5	34.4	33.9	34.8	35.2
	8H	33.7	34.6	34.1	34.9	35.3	33.5	34.4	34.0	34.7	35.1
	12H	33.7	34.5	34.1	34.9	35.3	33.5	34.3	33.9	34.7	35.1
8H	4H	33.6	34.5	34.0	34.8	35.2	33.5	34.3	33.9	34.7	35.1
	6H	33.9	34.6	34.3	35.0	35.4	33.7	34.4	34.2	34.8	35.2
	8H	33.9	34.5	34.4	35.0	35.4	33.8	34.4	34.2	34.8	35.2
	12H	33.9	34.4	34.4	34.9	35.4	33.7	34.3	34.2	34.7	35.2
12H	4H	33.6	34.4	34.0	34.8	35.2	33.5	34.2	33.9	34.6	35.0
	6H	33.9	34.5	34.3	34.9	35.4	33.7	34.3	34.2	34.8	35.2
	8H	33.9	34.4	34.4	34.9	35.4	33.8	34.3	34.2	34.7	35.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.5					
2.0H	+ 0.4 / - 0.3					+ 0.4 / - 0.4					

CIE Pub.117 Corrected 26107 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.3)

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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

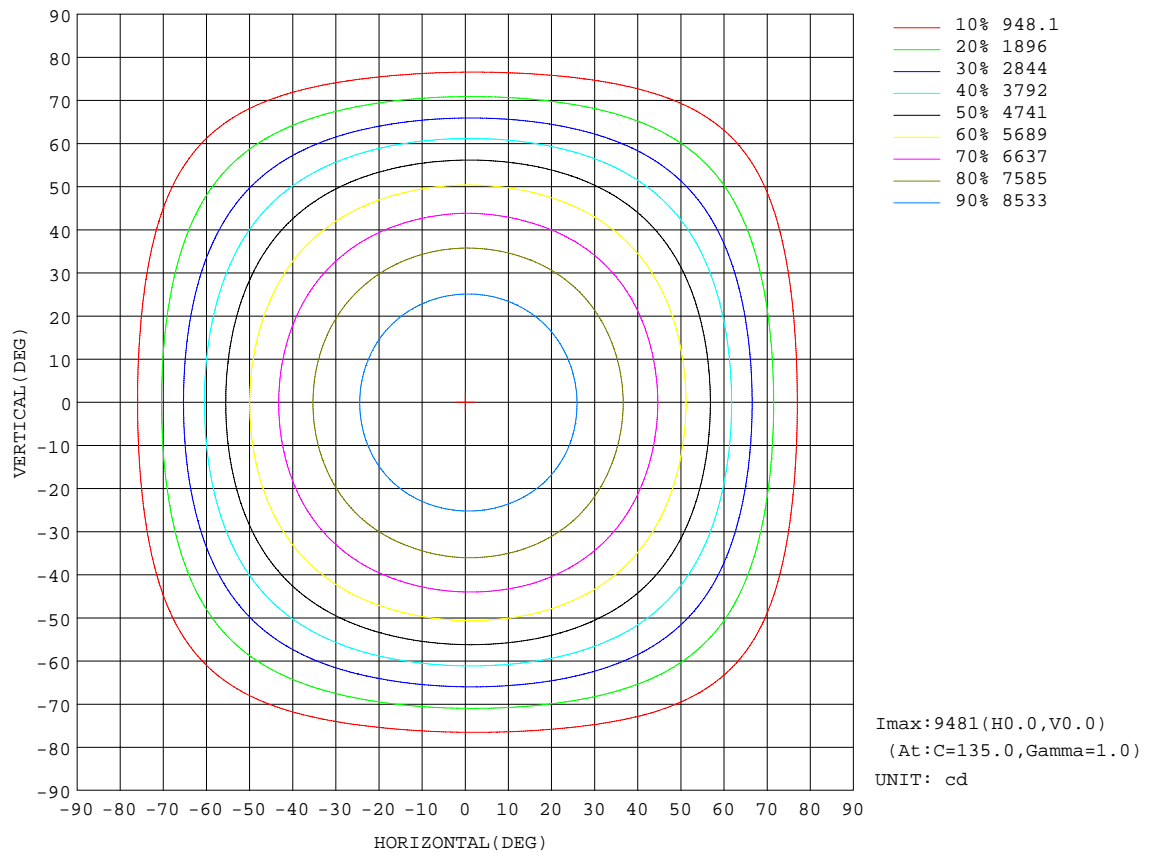
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	58	47	40	57	46	40	33
0.80	69	57	50	68	57	50	66	56	50	43
1.00	78	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	67	81	72	67	59
1.50	90	80	74	88	79	73	85	78	72	65
2.00	96	88	82	95	87	82	91	85	80	72
2.50	100	93	87	98	92	86	94	89	84	76
3.00	103	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	103	99	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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullighting	SUR.:	Shielding Angle:

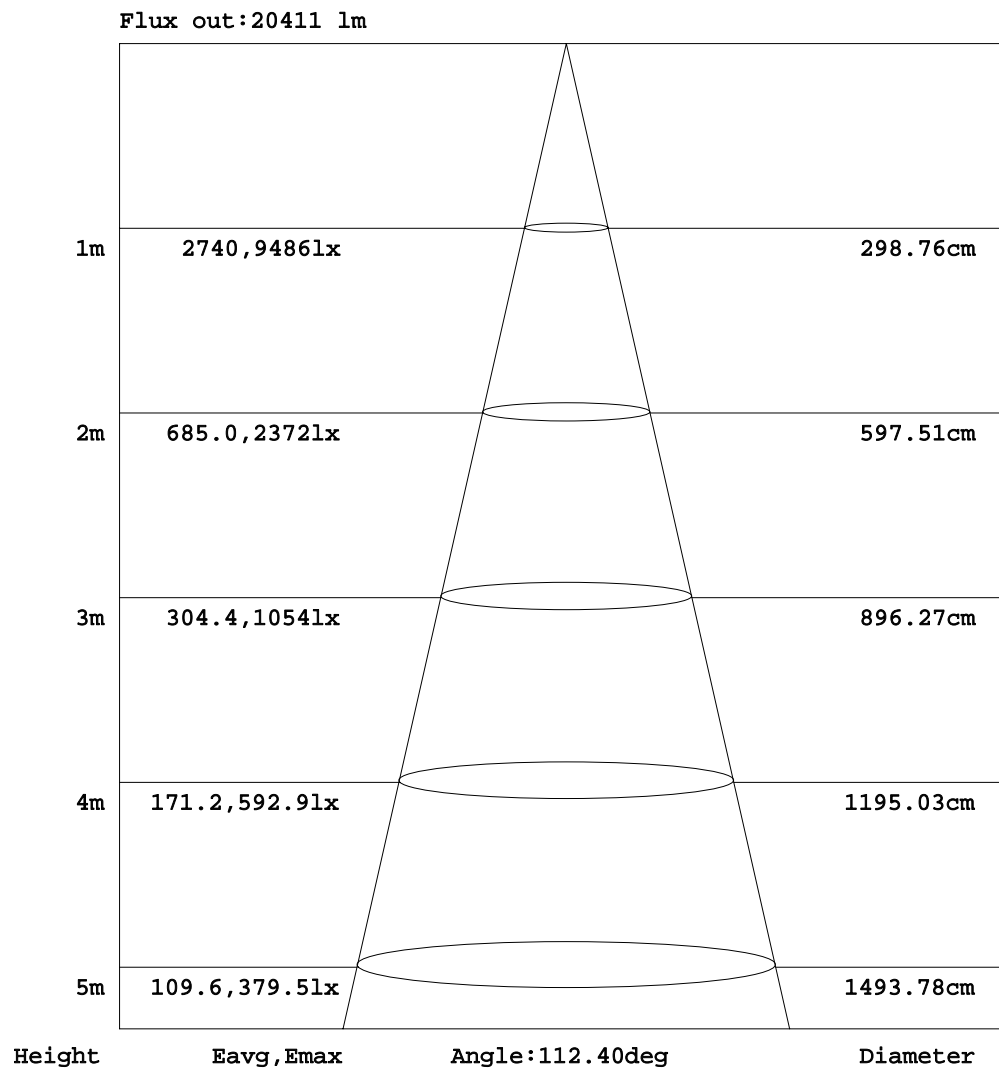


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.2DEG
Operators:Ben
Test Date:2020-03-18

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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullightlighting	SUR.:	Shielding Angle:



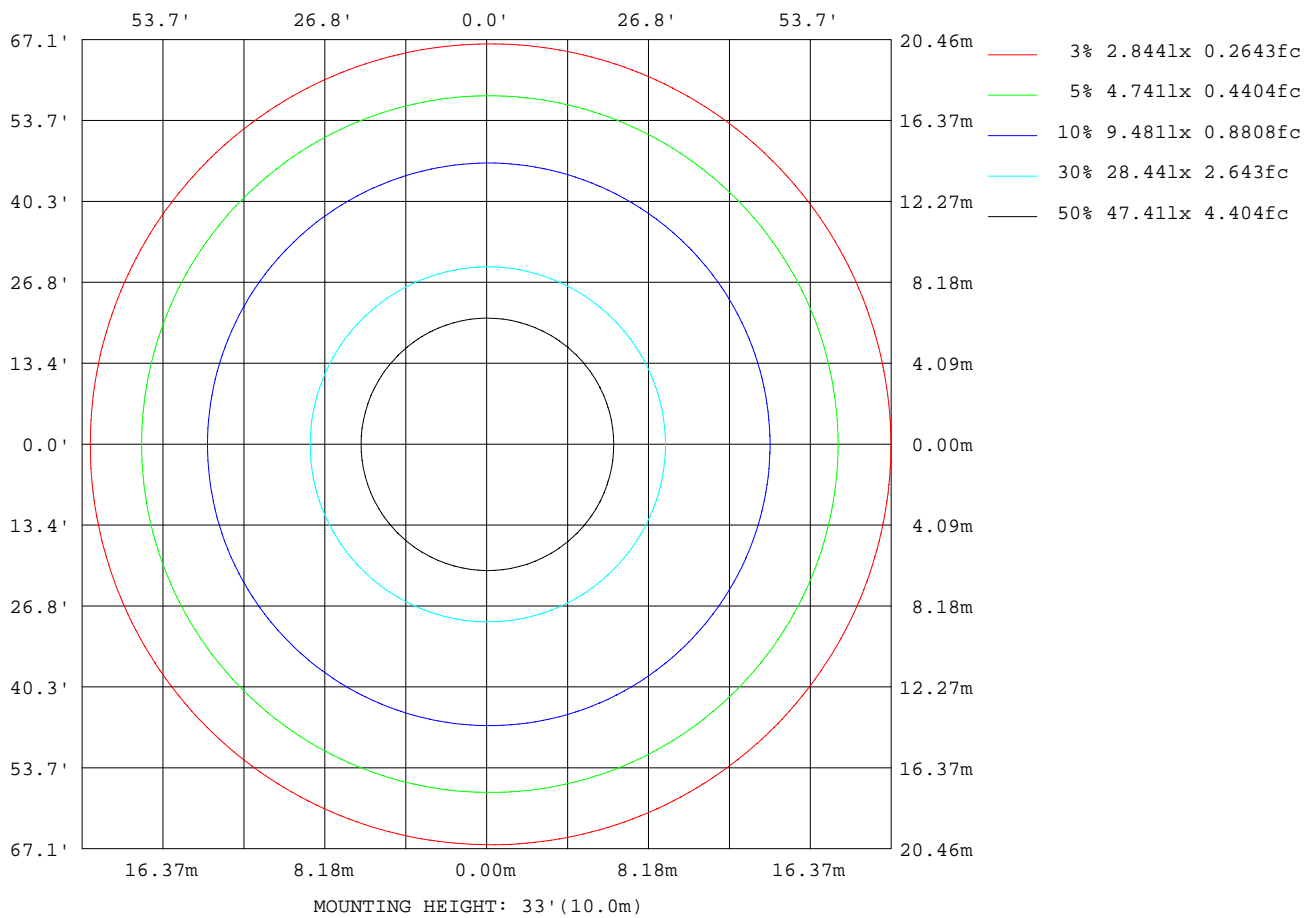
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

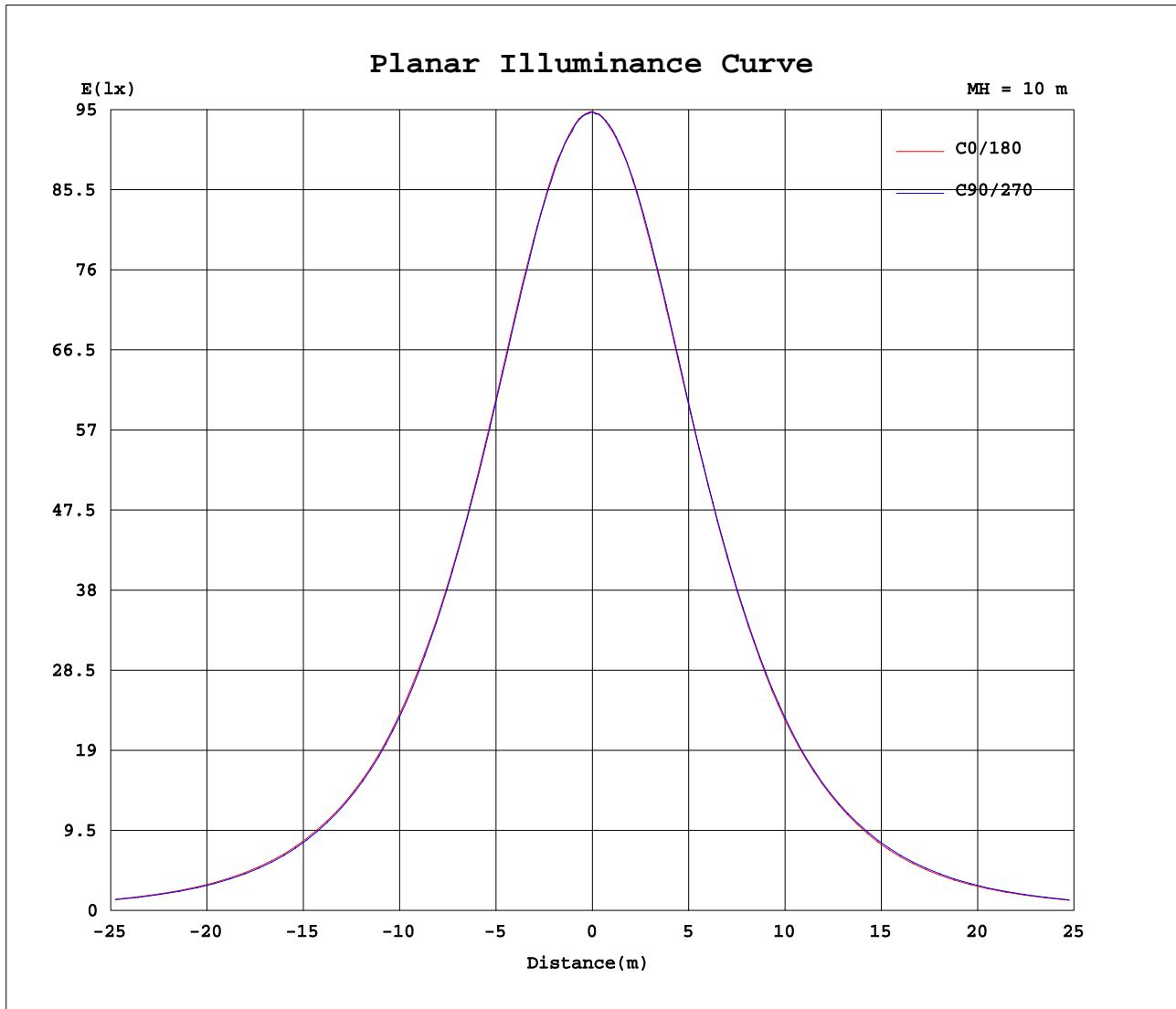
AvgL	cd/m2
L_0~180(65)av	157982
L_0~180(75)av	101142
L_0~180(85)av	28910
L_90~270(65)av	158121
L_90~270(75)av	101447
L_90~270(85)av	29651
L_45(65)av	158370
L_45(75)av	101448
L_45(85)av	29831

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:240.1V I:0.6228A P:144.0W PF:0.9630 Lamp Flux:26106.7x1 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	9473	9473	9473	9473	9473	9473	9473	9473	9473	9473	9473	9473	9473	9473	9473	9473			
5	9433	9422	9436	9434	9434	9426	9418	9407	9399	9396	9414	9416	9423	9426	9442	9427			
10	9341	9334	9329	9329	9322	9315	9316	9297	9296	9281	9310	9316	9316	9316	9331	9328			
15	9171	9166	9170	9157	9159	9144	9139	9121	9094	9098	9120	9129	9150	9149	9159	9168			
20	8942	8926	8927	8913	8898	8879	8875	8845	8843	8835	8851	8865	8885	8897	8915	8918			
25	8598	8601	8596	8574	8548	8542	8529	8505	8483	8480	8502	8520	8540	8569	8582	8590			
30	8206	8202	8198	8179	8145	8127	8119	8094	8094	8073	8094	8106	8127	8155	8175	8186			
35	7745	7724	7730	7725	7700	7658	7644	7625	7610	7595	7612	7631	7666	7686	7705	7727			
40	7221	7200	7195	7184	7156	7115	7097	7079	7066	7037	7066	7083	7124	7126	7164	7186			
45	6583	6551	6555	6539	6503	6458	6424	6412	6389	6371	6392	6423	6477	6480	6524	6550			
50	5866	5846	5846	5844	5787	5735	5706	5697	5680	5652	5675	5701	5742	5766	5800	5831			
55	5072	5055	5048	5022	4965	4922	4881	4858	4836	4830	4861	4898	4954	4975	5012	5044			
60	4136	4127	4111	4072	4015	3972	3935	3899	3881	3883	3924	3972	4021	4054	4088	4119			
65	3137	3131	3117	3081	3029	2987	2961	2923	2901	2906	2939	2970	3014	3056	3088	3109			
70	2174	2173	2164	2126	2086	2044	2011	1983	1974	1976	1992	2020	2060	2087	2133	2148			
75	1266	1266	1254	1215	1187	1148	1123	1093	1101	1108	1136	1147	1188	1214	1236	1258			
80	549	557	550	518	509	487	474	457	448	447	455	474	495	514	536	549			
85	135	135	133	117	113	107	98.9	91.3	92.6	93.3	98.0	116	121	132	140	145			
90	24.5	24.5	24.1	23.6	22.8	21.7	20.6	19.9	19.2	19.2	19.9	21.2	22.8	23.6	24.5	24.1			
95	2.64	1.77	4.11	4.01	3.84	1.89	1.92	1.92	0.80	0.80	0.80	0.79	0.81	0.82	0.95	0.74			
100	2.15	2.16	2.20	2.23	2.26	2.29	2.31	2.30	1.04	1.05	1.05	1.05	1.03	1.02	0.99	0.98			
105	2.41	2.44	2.47	2.51	2.55	2.56	2.56	2.55	1.32	1.33	1.34	1.33	1.31	1.31	1.27	1.26			
110	2.58	2.61	2.65	2.74	2.77	2.78	2.78	2.72	1.64	1.66	1.68	1.64	1.64	1.64	1.58	1.58			
115	2.88	2.88	2.90	2.99	3.04	3.05	3.08	3.01	2.01	2.00	2.06	2.03	2.03	2.01	1.91	1.94			
120	3.40	3.38	3.39	3.45	3.51	3.52	3.54	3.49	2.50	2.41	2.44	2.47	2.44	2.38	2.28	2.30			
125	4.06	4.06	4.07	4.18	4.23	4.24	4.23	4.16	3.03	2.90	2.89	2.91	2.86	2.79	2.75	2.78			
130	5.04	5.14	5.07	5.27	5.36	5.34	5.28	5.17	3.56	3.49	3.41	3.38	3.28	3.39	3.21	3.33			
135	6.27	6.45	6.41	6.63	6.83	6.78	6.61	6.42	4.17	4.10	3.97	4.02	3.95	3.96	3.84	3.98			
140	7.81	8.04	8.29	8.33	8.61	8.61	8.36	7.96	4.65	4.39	4.58	4.56	4.42	4.37	4.41	4.49			
145	9.67	10.1	10.6	10.7	10.9	10.8	10.4	9.90	4.96	4.69	5.03	5.24	5.15	5.03	4.91	5.01			
150	11.2	12.0	12.5	12.7	12.7	12.7	12.3	11.6	5.35	5.30	5.46	5.59	5.56	5.51	5.40	5.62			
155	12.9	13.7	13.6	13.9	14.0	14.0	13.7	13.2	6.04	5.87	6.18	6.25	6.11	6.24	5.98	6.54			
160	14.0	14.3	14.3	14.7	14.5	14.8	14.6	13.9	6.92	6.81	6.95	6.67	6.65	6.64	6.47	7.21			
165	14.0	14.0	13.9	14.3	14.4	14.4	14.3	13.8	7.53	7.49	7.32	7.30	7.12	7.05	7.00	7.83			
170	13.1	12.9	12.8	12.9	13.0	13.1	13.1	12.9	8.16	8.16	7.82	7.72	7.66	7.61	7.61	8.40			
175	12.6	12.4	12.2	11.8	11.6	11.9	12.2	12.3	9.45	9.46	9.19	8.75	8.65	8.48	8.77	9.54			
180	11.1	10.7	10.3	9.99	10.1	10.4	10.7	10.9	11.2	11.2	10.8	10.3	10.0	10.1	10.3	10.8			

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