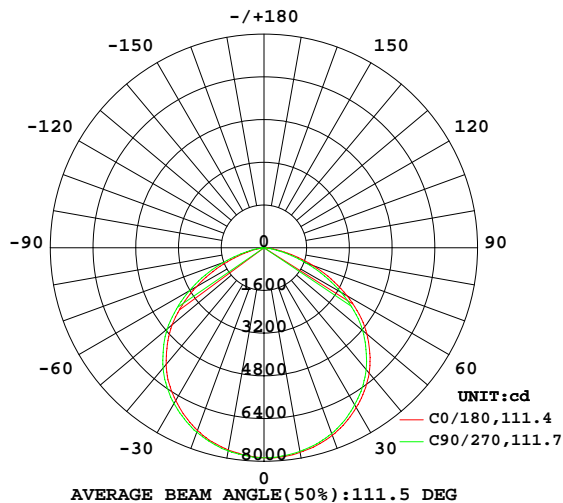


LUMINAIRE PHOTOMETRIC TEST REPORT

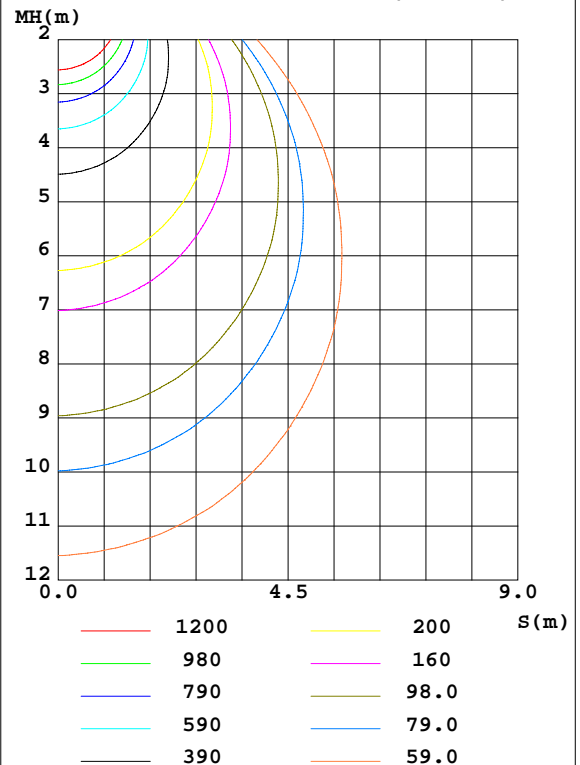
Test:U:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 180.14 lm/W			
MODEL	R2DG200115802-10	I _{max} (cd)	7883	S/MH(C0/180)	1.31
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	21500	η UP,DN(C0-180)	0.1,49.3
NOMINAL FLUX(lm)	21499.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.6
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:

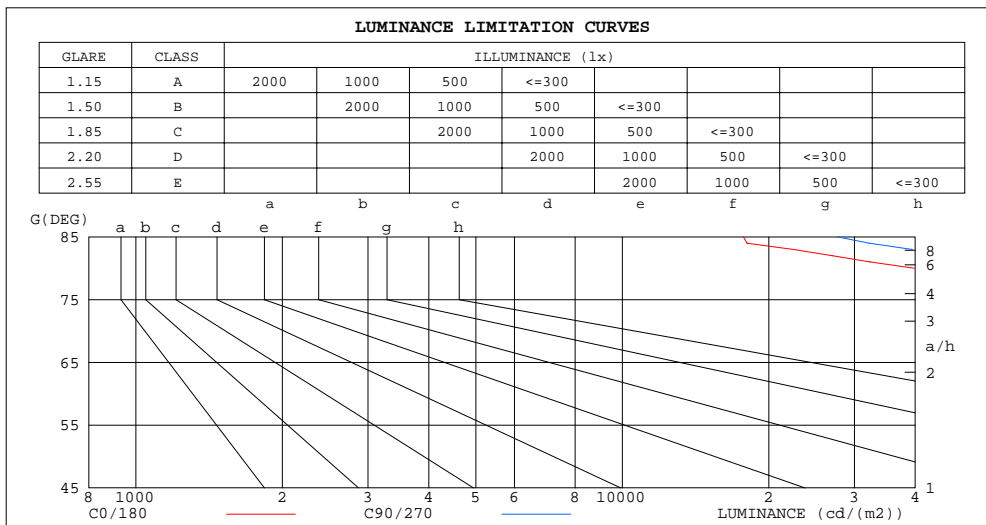
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	7696	7687	7722	7757	7779	7771	7746	7703	0- 10	744.1	744.1	3.46, 3.46
20	7284	7277	7348	7438	7479	7456	7405	7327	10- 20	2142	2886	13.4, 13.4
30	6615	6628	6737	6859	6908	6886	6794	6683	20- 30	3272	6159	28.6, 28.6
40	5701	5724	5876	6055	6129	6089	5951	5798	30- 40	3986	10145	47.2, 47.2
50	4492	4539	4736	4937	5030	4987	4821	4596	40- 50	4137	14282	66.4, 66.4
60	2925	3000	3227	3483	3586	3545	3333	3050	50- 60	3612	17894	83.2, 83.2
70	1321	1397	1623	1869	1969	1919	1689	1422	60- 70	2430	20325	94.5, 94.5
80	217.1	251.6	371.7	504.1	557.4	513.6	379.7	260.8	70- 80	1005	21330	99.2, 99.2
90	11.13	14.30	21.30	33.30	38.18	34.11	22.00	14.26	80- 90	142.7	21472	99.9, 99.9
100	2.028	2.000	1.844	1.662	0.7140	0.7286	0.8012	0.8748	90-100	6.677	21479	99.9, 99.9
110	2.351	2.346	2.273	2.084	1.152	1.195	1.289	1.385	100-110	1.635	21481	99.9, 99.9
120	3.035	2.953	2.895	2.749	1.812	1.795	1.938	1.992	110-120	2.023	21483	99.9, 99.9
130	4.395	4.349	4.432	4.193	2.684	2.587	2.640	2.784	120-130	2.591	21485	99.9, 99.9
140	6.683	7.010	7.120	6.757	3.653	3.616	3.633	3.751	130-140	3.351	21489	99.9, 99.9
150	9.462	10.39	10.46	9.976	4.345	4.438	4.563	4.522	140-150	3.950	21493	100, 100
160	11.69	11.86	11.92	11.98	5.696	5.686	5.470	5.399	150-160	3.733	21496	100, 100
170	10.85	10.58	10.75	10.84	6.762	6.440	6.357	6.368	160-170	2.498	21499	100, 100
180	9.211	8.537	8.363	8.887	9.278	8.863	8.353	8.639	170-180	0.8272	21500	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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullidlighting	SUR.:	Shielding Angle:



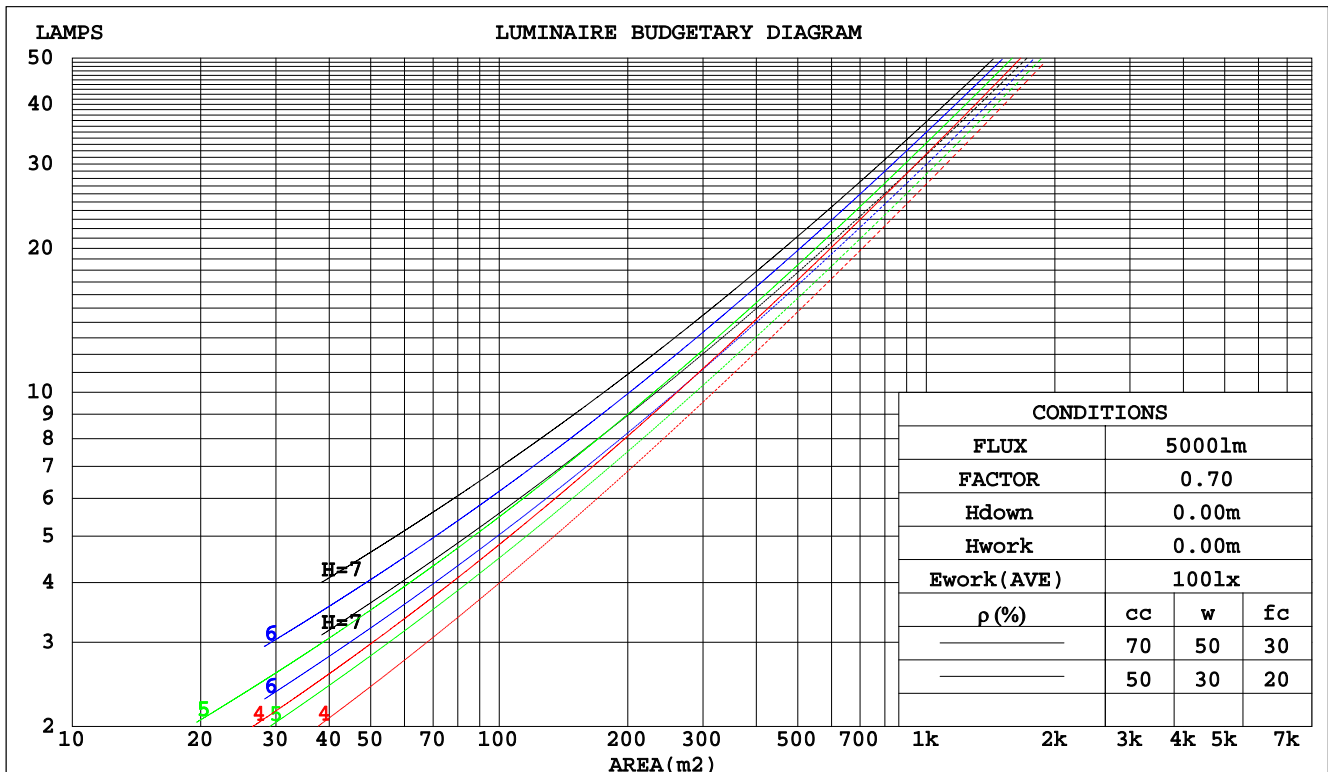
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 24.2DEG
Operators: Ben
Test Date: 2020-03-18

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullighting	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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 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	.174	.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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 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	31.1	32.6	31.4	32.8	33.0	31.5	32.9	31.7	33.1	33.3	
	3H	32.0	33.4	32.3	33.6	33.8	32.5	33.9	32.8	34.1	34.3
	4H	32.2	33.4	32.5	33.7	34.0	32.7	34.0	33.1	34.3	34.5
	6H	32.1	33.4	32.5	33.6	33.9	32.8	34.0	33.1	34.3	34.6
	8H	32.1	33.3	32.4	33.6	33.8	32.8	34.0	33.1	34.2	34.5
	12H	32.1	33.2	32.4	33.5	33.8	32.7	33.9	33.1	34.2	34.5
4H	2H	31.6	32.9	31.9	33.1	33.4	31.9	33.1	32.2	33.4	33.7
	3H	32.6	33.7	32.9	34.0	34.3	33.0	34.1	33.4	34.4	34.7
	4H	32.8	33.8	33.2	34.1	34.5	33.3	34.3	33.7	34.7	35.0
	6H	32.8	33.7	33.2	34.1	34.4	33.4	34.3	33.8	34.7	35.1
	8H	32.8	33.6	33.2	34.0	34.4	33.4	34.3	33.8	34.6	35.0
	12H	32.8	33.5	33.2	33.9	34.3	33.4	34.2	33.8	34.5	35.0
8H	4H	32.8	33.7	33.2	34.0	34.4	33.3	34.2	33.8	34.5	34.9
	6H	32.9	33.6	33.3	34.0	34.4	33.5	34.2	33.9	34.6	35.0
	8H	32.9	33.5	33.3	33.9	34.4	33.5	34.1	34.0	34.5	35.0
	12H	32.9	33.4	33.3	33.8	34.3	33.5	34.0	34.0	34.5	34.9
12H	4H	32.8	33.6	33.2	34.0	34.4	33.3	34.1	33.7	34.5	34.9
	6H	32.9	33.5	33.3	33.9	34.4	33.5	34.1	33.9	34.5	35.0
	8H	32.9	33.4	33.3	33.8	34.3	33.5	34.0	34.0	34.4	34.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3					
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.4					
2.0H	+ 0.6 / - 0.5					+ 0.6 / - 0.6					

CIE Pub.117 Corrected 21500 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.7)

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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

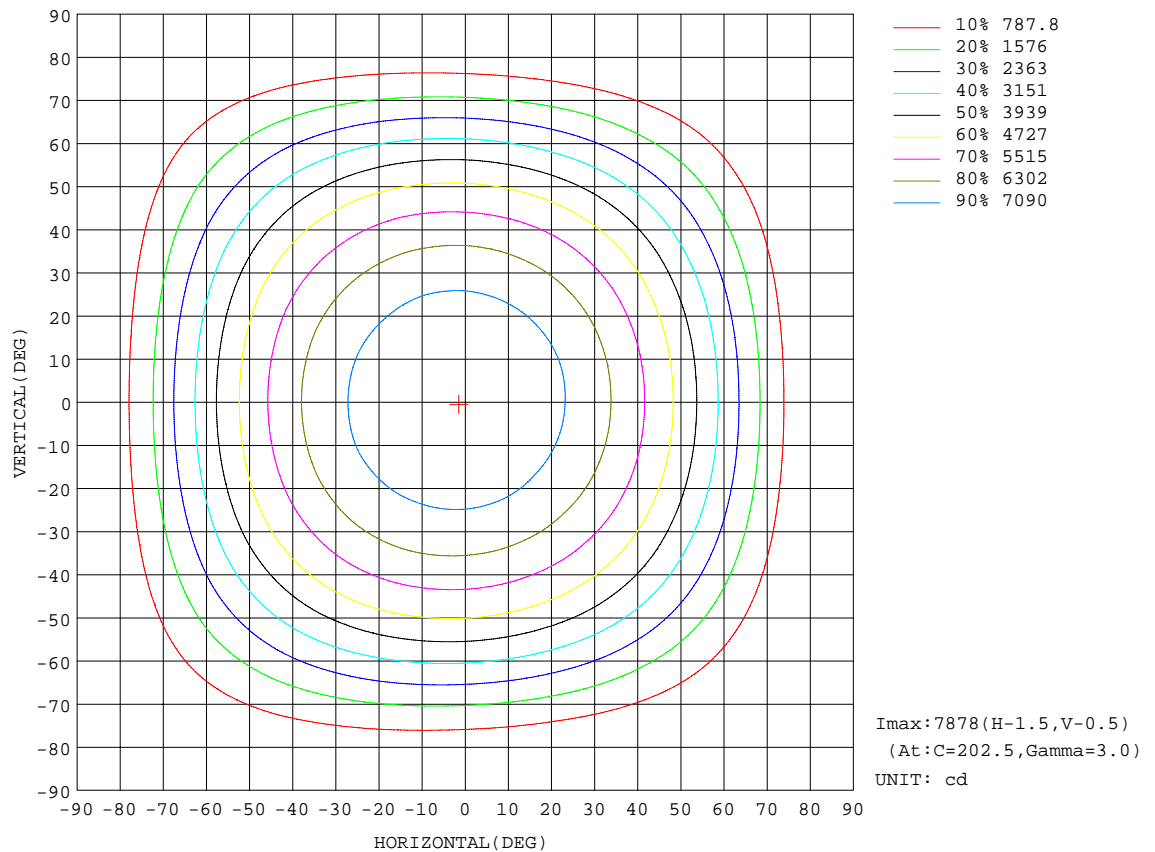
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	47	40	58	47	40	57	47	40	34
0.80	69	58	51	68	57	50	66	57	50	43
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										
SHRNM = 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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullighting	SUR.:	Shielding Angle:

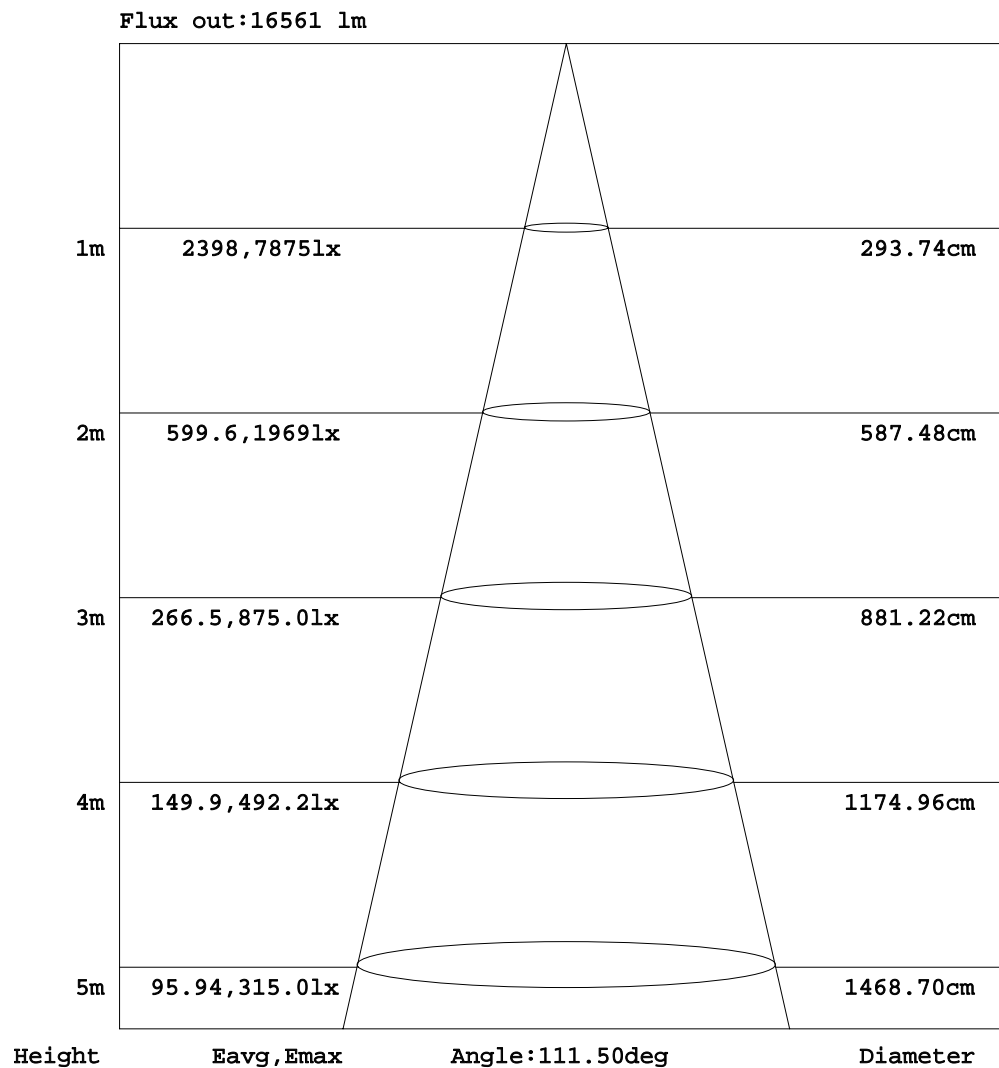


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.2DEG
Operators:Ben
Test Date:2020-03-18

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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ullightlighting	SUR.:	Shielding Angle:



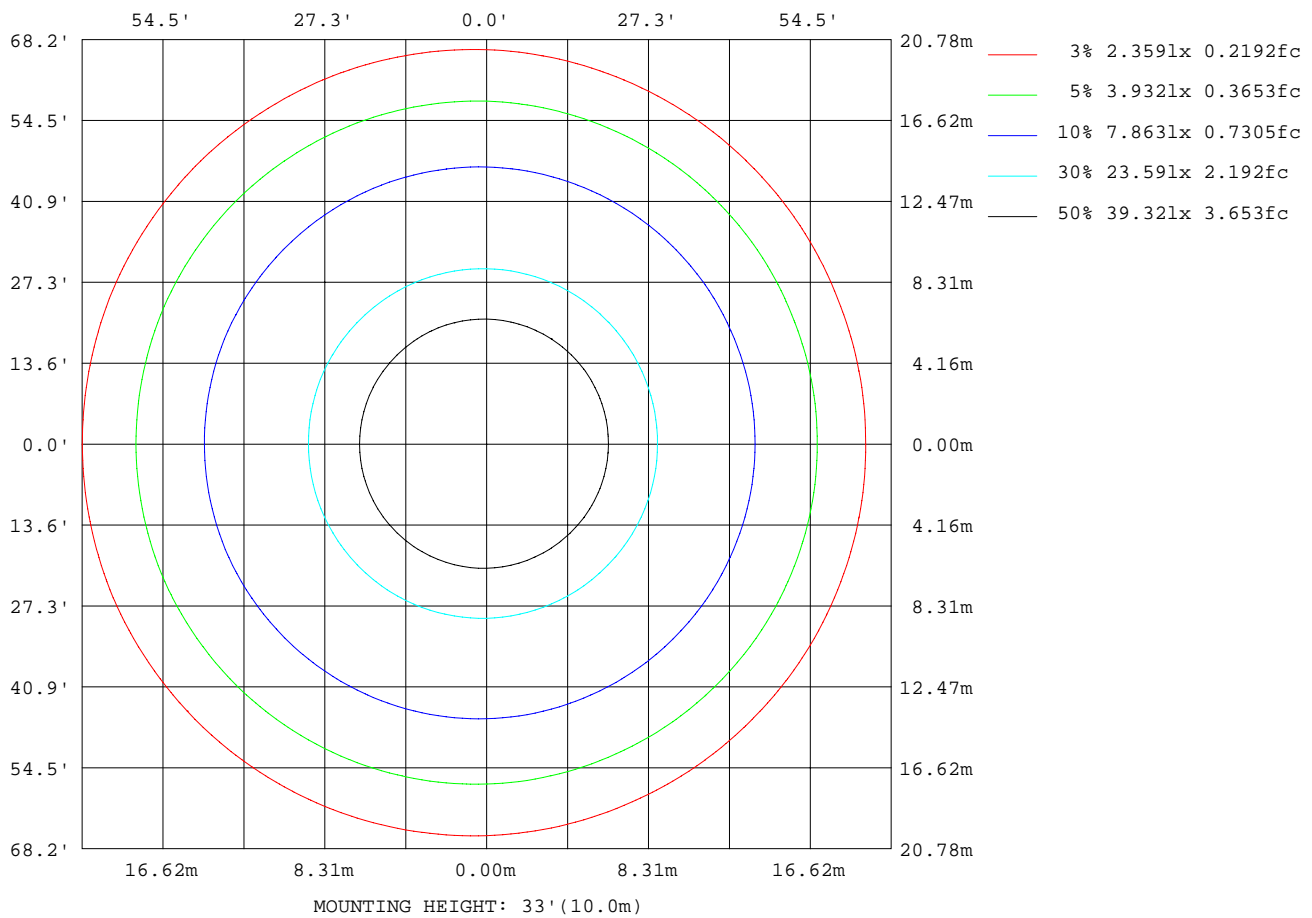
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm		
NAME: LED Highbay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ulledlighting	SUR.:	Shielding Angle:

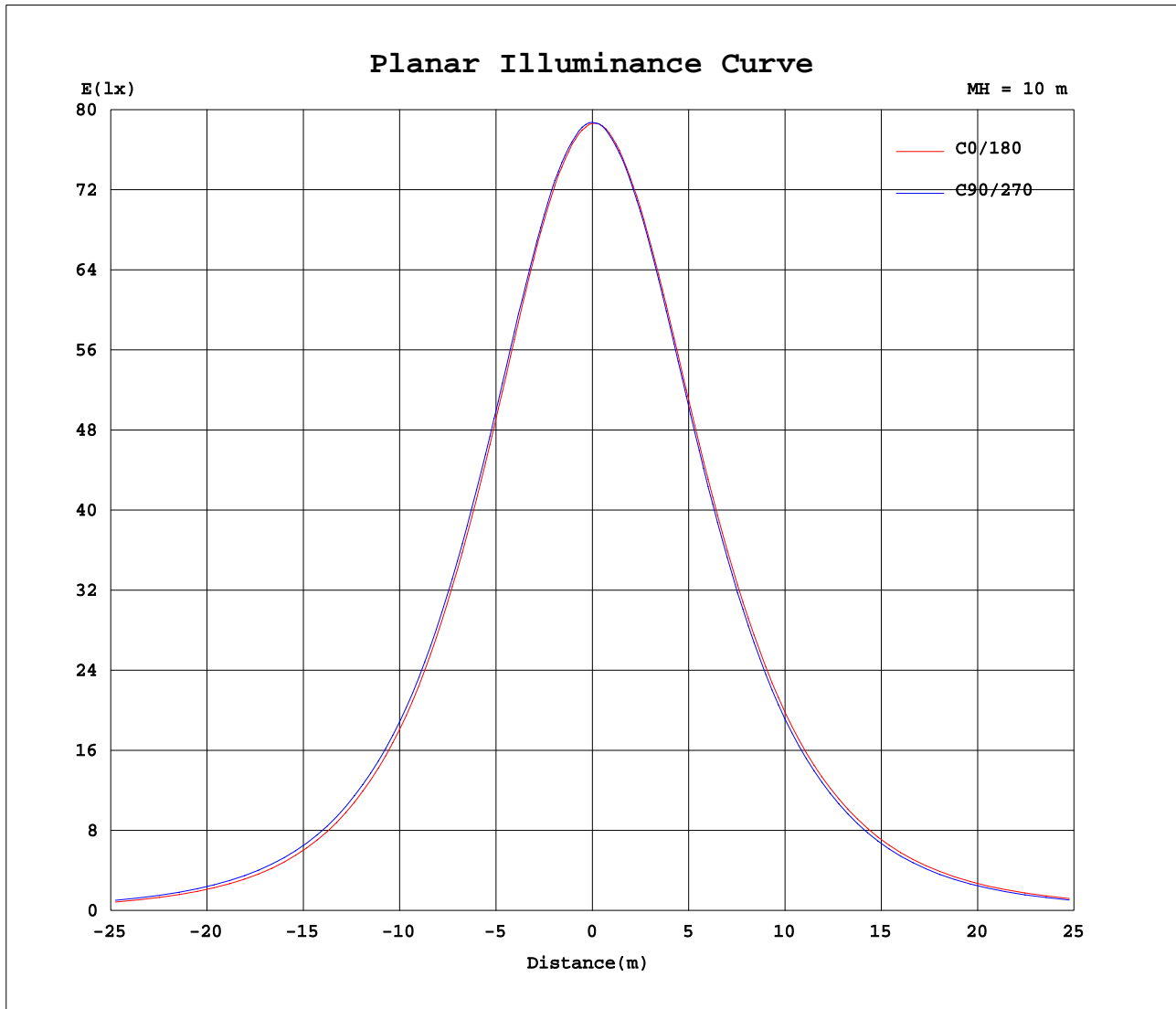
AvgL	cd/m2
L_0~180(65)av	184145
L_0~180(75)av	113599
L_0~180(85)av	38499
L_90~270(65)av	186093
L_90~270(75)av	113570
L_90~270(85)av	28534
L_45(65)av	185262
L_45(75)av	113930
L_45(85)av	33962

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:240.0V I:0.5219A P:119.3W PF:0.9529 Lamp Flux:21499.8x1 lm																	
NAME: LED Highbay									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Ullidlighting									SUR.:						Shielding Angle:		

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	7867	7867	7867	7867	7867	7867	7867	7867	7867	7867	7867	7867	7867	7867	7867	7867			
5	7798	7806	7802	7808	7816	7831	7842	7859	7861	7864	7855	7841	7831	7819	7806	7804			
10	7696	7684	7687	7698	7722	7737	7757	7779	7779	7786	7771	7762	7746	7719	7703	7685			
15	7525	7519	7526	7541	7566	7599	7623	7651	7662	7659	7646	7619	7610	7577	7542	7529			
20	7284	7278	7277	7316	7348	7395	7438	7468	7479	7470	7456	7436	7405	7368	7327	7292			
25	6970	6965	6975	7016	7072	7127	7164	7218	7221	7225	7206	7176	7136	7085	7035	7000			
30	6615	6602	6628	6668	6737	6797	6859	6897	6908	6906	6886	6842	6794	6730	6683	6629			
35	6199	6195	6219	6264	6346	6429	6490	6536	6551	6551	6515	6465	6411	6338	6272	6221			
40	5701	5699	5724	5777	5876	5980	6055	6106	6129	6135	6089	6030	5951	5875	5798	5718			
45	5123	5130	5162	5225	5330	5439	5518	5574	5605	5615	5568	5504	5405	5311	5209	5140			
50	4492	4490	4539	4618	4736	4851	4937	5003	5030	5038	4987	4907	4821	4704	4596	4509			
55	3736	3737	3791	3873	4005	4133	4239	4328	4356	4366	4317	4231	4117	3988	3861	3756			
60	2925	2942	3000	3088	3227	3360	3483	3561	3586	3595	3545	3447	3333	3182	3050	2946			
65	2113	2144	2198	2294	2429	2573	2679	2761	2774	2776	2731	2632	2510	2366	2226	2130			
70	1321	1349	1397	1496	1623	1773	1869	1952	1969	1983	1919	1820	1689	1556	1422	1331			
75	658	674	720	789	899	1013	1106	1162	1189	1187	1142	1056	947	837	736	666			
80	217	223	252	300	372	438	504	533	557	551	514	455	380	313	261	225			
85	48.6	50.7	52.9	62.7	75.7	98.8	123	141	162	160	143	119	80.5	65.0	53.0	47.3			
90	11.1	11.7	14.3	18.0	21.3	27.1	33.3	38.4	38.2	37.4	34.1	28.2	22.0	18.2	14.3	11.5			
95	1.68	1.68	1.64	1.59	3.46	4.06	6.85	5.30	0.53	0.53	4.55	2.18	0.66	0.64	0.68	0.69			
100	2.03	2.02	2.00	1.93	1.84	1.75	1.66	1.60	0.71	0.71	0.73	0.76	0.80	0.85	0.87	0.91			
105	2.24	2.26	2.22	2.16	2.08	1.98	1.89	1.83	0.92	0.92	0.94	0.98	1.03	1.09	1.12	1.16			
110	2.35	2.37	2.35	2.34	2.27	2.17	2.08	1.99	1.15	1.16	1.20	1.22	1.29	1.36	1.39	1.44			
115	2.60	2.59	2.55	2.55	2.50	2.41	2.35	2.25	1.43	1.43	1.48	1.53	1.61	1.68	1.67	1.76			
120	3.03	2.99	2.95	2.94	2.89	2.81	2.75	2.66	1.81	1.75	1.80	1.89	1.94	1.98	1.99	2.05			
125	3.58	3.55	3.53	3.53	3.50	3.41	3.33	3.22	2.22	2.13	2.16	2.25	2.29	2.34	2.40	2.49			
130	4.40	4.46	4.35	4.44	4.43	4.33	4.19	4.06	2.68	2.63	2.59	2.65	2.64	2.84	2.78	2.96			
135	5.40	5.54	5.46	5.56	5.65	5.53	5.30	5.10	3.21	3.16	3.07	3.18	3.22	3.30	3.29	3.48			
140	6.68	6.85	7.01	6.95	7.12	7.02	6.76	6.37	3.65	3.44	3.62	3.67	3.63	3.66	3.75	3.87			
145	8.19	8.50	8.96	8.90	8.99	8.89	8.47	7.99	3.96	3.75	4.02	4.24	4.23	4.20	4.13	4.27			
150	9.46	10.1	10.4	10.5	10.5	10.4	9.98	9.41	4.35	4.29	4.44	4.56	4.56	4.59	4.52	4.73			
155	10.8	11.4	11.3	11.5	11.6	11.5	11.2	10.7	4.95	4.75	5.06	5.09	5.02	5.15	5.01	5.46			
160	11.7	11.9	11.9	12.2	11.9	12.1	12.0	11.4	5.70	5.58	5.69	5.46	5.47	5.50	5.40	6.00			
165	11.6	11.6	11.5	11.9	11.9	11.9	11.8	11.4	6.23	6.15	6.00	5.98	5.86	5.84	5.83	6.48			
170	10.8	10.7	10.6	10.8	10.8	10.9	10.8	10.7	6.76	6.73	6.44	6.37	6.36	6.31	6.37	6.95			
175	10.5	10.2	10.1	9.80	9.61	9.89	10.1	10.2	7.89	7.85	7.59	7.24	7.22	7.04	7.34	7.93			
180	9.21	8.80	8.54	8.31	8.36	8.64	8.89	8.98	9.28	9.25	8.86	8.54	8.35	8.42	8.64	8.94			

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