

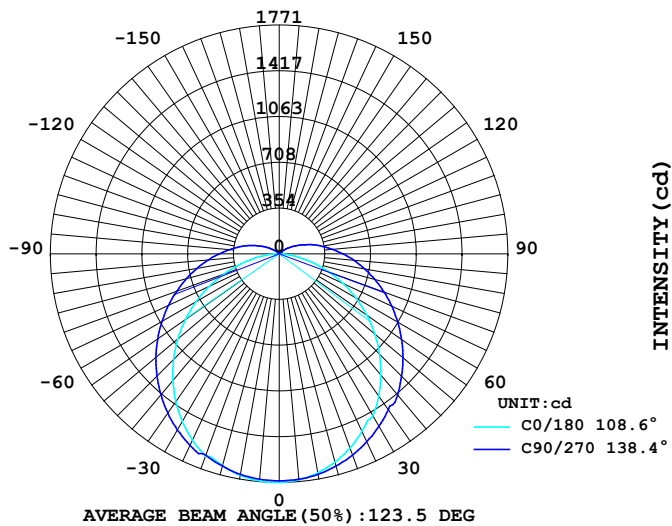
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

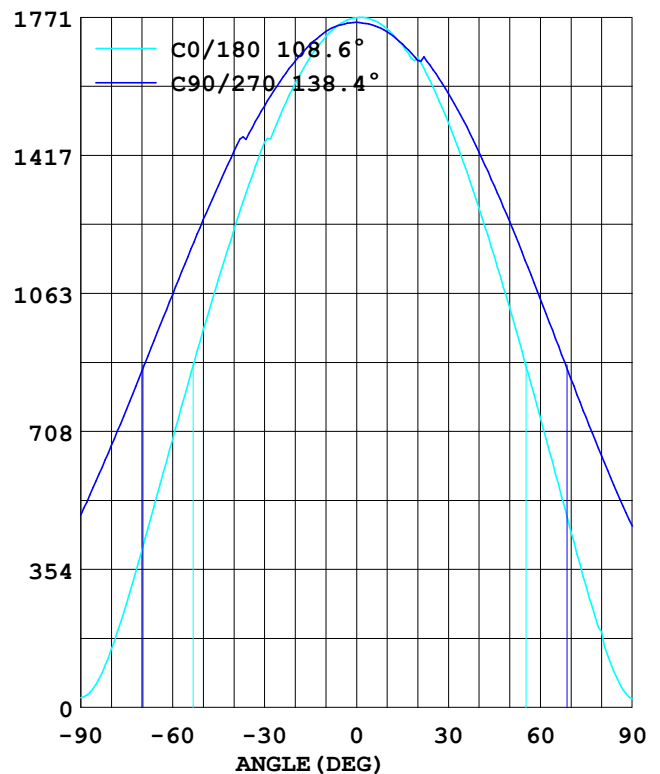
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N05040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K): 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1771	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER (W)	50	TOTAL FLUX (lm)	6379.9	Voltage (V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	128.6	Current (A)	0.220
NOMINAL FLUX (lm)	6380.0	$\eta$ up (%)	8.2	Power (W)	49.61
LAMPS QUANTITY	1	$\eta$ down (%)	91.8	Power Factor (PF)	0.979
TEST VOLTAGE (V)	230.6	Effective Flux (lm)	6380.0	EEL	0.106

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



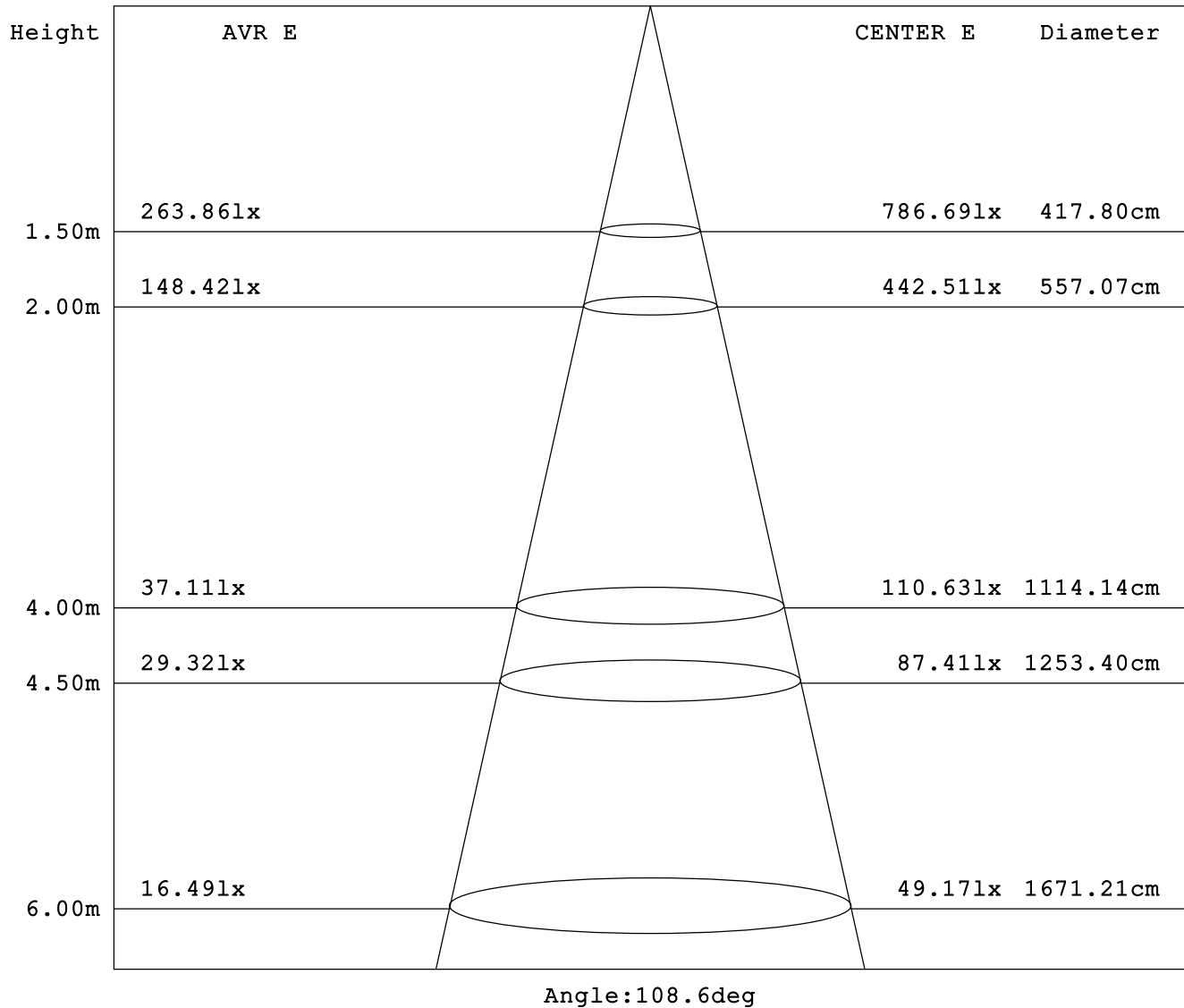
Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024.03.12

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH			
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SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



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Operators:  
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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N05040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1756	1751	1752	1739	1765	1756	1751	1740	0- 5	41.96	41.96
10.0	1722	1726	1734	1715	1741	1735	1734	1718	5- 10	124.4	166.4
15.0	1669	1686	1701	1676	1699	1699	1703	1678	10- 15	202.6	369.1
20.0	1601	1661	1659	1651	1668	1647	1660	1625	15- 20	274.6	643.7
25.0	1517	1595	1606	1585	1591	1583	1636	1558	20- 25	338.9	982.7
30.0	1450	1515	1543	1504	1501	1506	1576	1478	25- 30	391.1	1374
35.0	1344	1426	1474	1413	1397	1450	1505	1420	30- 35	432.5	1806
40.0	1225	1331	1426	1316	1281	1356	1424	1324	35- 40	461.2	2268
45.0	1099	1227	1339	1210	1158	1251	1339	1218	40- 45	474.8	2742
50.0	968.3	1118	1252	1098	1025	1140	1246	1107	45- 50	474.6	3217
55.0	829.7	1009	1157	985.0	885.2	1030	1149	994.5	50- 55	461.7	3679
60.0	687.5	898.6	1059	871.2	745.1	916.3	1049	881.5	55- 60	437.4	4116
65.0	547.2	790.1	962.8	759.5	598.6	806.9	945.9	772.6	60- 65	403.7	4520
70.0	404.0	687.9	863.5	654.6	451.7	697.9	843.1	665.0	65- 70	362.1	4882
75.0	267.4	588.5	765.0	553.0	310.9	594.5	743.8	563.0	70- 75	315.0	5197
80.0	149.1	495.5	671.8	458.7	194.3	500.5	645.1	470.7	75- 80	265.7	5463
85.0	58.90	411.9	580.3	374.9	76.29	411.8	551.2	384.7	80- 85	217.4	5681
90.0	24.85	335.7	493.4	299.8	21.73	331.6	465.6	307.6	85- 90	174.6	5855
95.0	20.34	267.1	415.0	233.0	16.24	262.3	386.8	241.5	90- 95	140.7	5996
100.0	17.63	207.4	341.2	177.4	14.19	200.5	315.7	182.6	95-100	111.7	6108
105.0	15.58	143.1	274.3	122.8	12.55	133.4	250.2	118.2	100-105	84.79	6192
110.0	13.94	101.8	206.8	78.67	11.23	89.82	183.7	81.21	105-110	59.78	6252
115.0	12.71	67.92	157.0	49.38	10.25	59.47	134.8	52.99	110-115	41.37	6294
120.0	11.73	39.13	112.6	25.02	9.515	34.29	94.17	29.28	115-120	27.06	6321
125.0	11.07	18.86	75.63	13.37	9.187	18.53	59.47	17.80	120-125	16.41	6337
130.0	10.91	13.69	43.72	12.87	9.351	17.14	31.66	16.65	125-130	10.20	6347
135.0	11.15	13.20	21.57	12.71	10.00	16.40	16.98	15.83	130-135	6.743	6354
140.0	11.48	12.79	19.44	12.79	10.66	15.99	16.24	15.17	135-140	5.365	6359
145.0	11.89	12.79	18.37	12.87	11.23	15.50	15.58	14.84	140-145	4.748	6364
150.0	12.30	12.87	17.55	12.87	11.97	15.09	15.09	14.60	145-150	4.150	6368
155.0	12.79	12.71	16.73	12.96	12.63	14.76	14.52	14.27	150-155	3.539	6372
160.0	13.20	12.79	15.99	13.04	13.20	14.43	14.02	14.10	155-160	2.912	6375
165.0	13.61	12.79	15.34	12.96	13.69	14.19	13.61	13.86	160-165	2.275	6377
170.0	14.10	12.79	14.93	13.04	14.10	14.10	13.37	13.78	165-170	1.635	6379
175.0	14.52	12.87	14.52	13.04	14.43	13.94	12.87	13.78	170-175	0.985	6380
180.0	14.76	14.27	13.94	14.68	14.76	15.09	12.96	15.25	175-180	0.334	6380
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

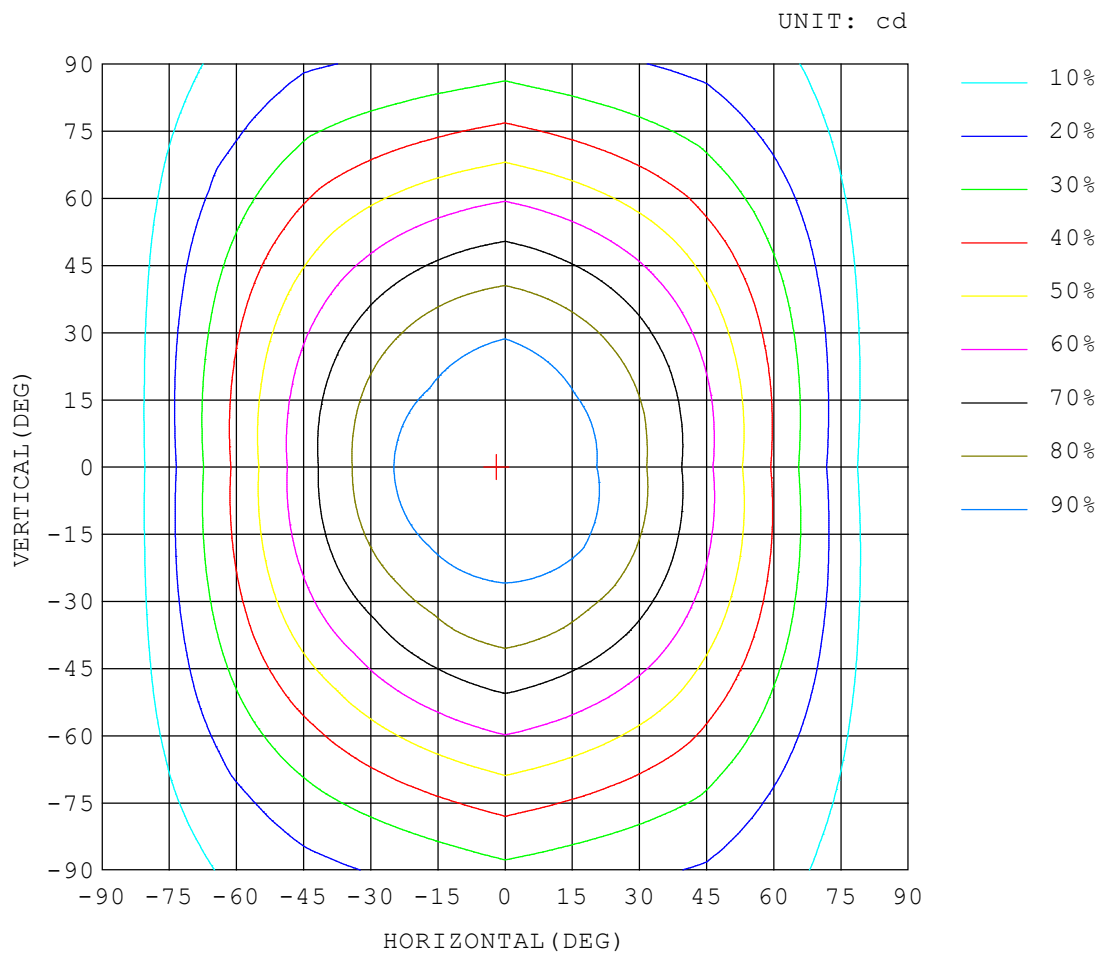
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.03.12

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

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Address:			
NAME: Emma		TYPE: IL-TL26-N05040-120	WEIGHT:
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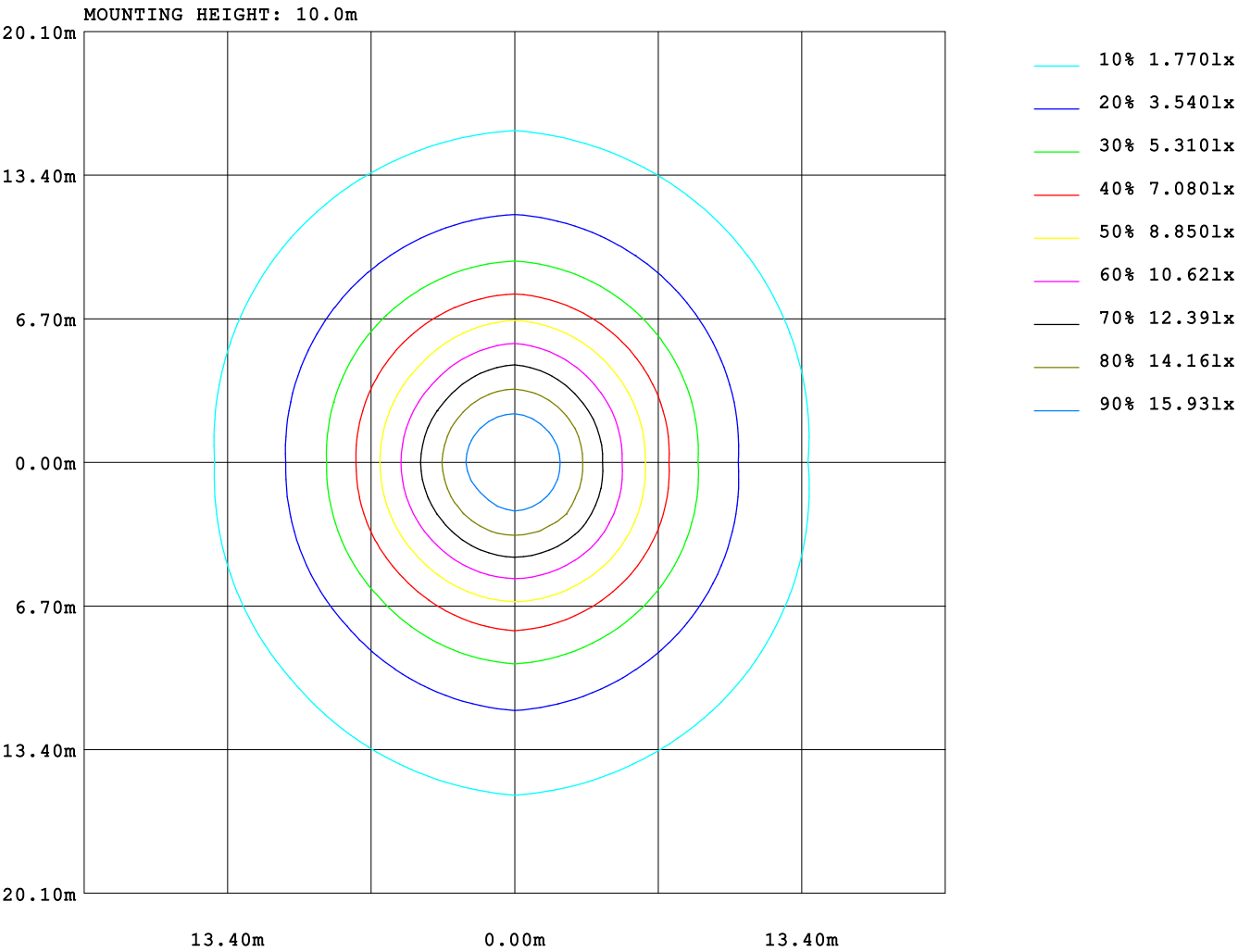
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ISOLUX DIAGRAM

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Address:			
NAME: Emma		TYPE: IL-TL26-N05040-120	WEIGHT:
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
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NAME: Emma		TYPE: IL-TL26-N05040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1770	1762	1758	1748	1770	1762	1758	1748
5.0	1756	1751	1752	1739	1765	1756	1751	1740
10.0	1722	1726	1734	1715	1741	1735	1734	1718
15.0	1669	1686	1701	1676	1699	1699	1703	1678
20.0	1601	1661	1659	1651	1668	1647	1660	1625
25.0	1517	1595	1606	1585	1591	1583	1636	1558
30.0	1450	1515	1543	1504	1501	1506	1576	1478
35.0	1344	1426	1474	1413	1397	1450	1505	1420
40.0	1225	1331	1426	1316	1281	1356	1424	1324
45.0	1099	1227	1339	1210	1158	1251	1339	1218
50.0	968	1118	1252	1098	1025	1140	1246	1107
55.0	830	1009	1157	985	885	1030	1149	995
60.0	688	899	1059	871	745	916	1049	882
65.0	547	790	963	760	599	807	946	773
70.0	404	688	864	655	452	698	843	665
75.0	267	589	765	553	311	595	744	563
80.0	149	496	672	459	194	501	645	471
85.0	58.9	412	580	375	76.2	412	551	385
90.0	24.8	336	493	300	21.7	332	466	308
95.0	20.3	267	415	233	16.2	262	387	242
100.0	17.6	207	341	177	14.1	201	316	183
105.0	15.5	143	274	123	12.5	133	250	118
110.0	13.9	102	207	78.6	11.2	89.8	184	81.2
115.0	12.7	67.9	157	49.3	10.2	59.4	135	52.9
120.0	11.7	39.1	113	25.0	9.51	34.2	94.1	29.2
125.0	11.0	18.8	75.6	13.3	9.18	18.5	59.4	17.8
130.0	10.9	13.6	43.7	12.8	9.35	17.1	31.6	16.6
135.0	11.1	13.2	21.5	12.7	10.0	16.4	16.9	15.8
140.0	11.4	12.7	19.4	12.7	10.6	15.9	16.2	15.1
145.0	11.8	12.7	18.3	12.8	11.2	15.5	15.5	14.8
150.0	12.3	12.8	17.5	12.8	11.9	15.0	15.0	14.6
155.0	12.7	12.7	16.7	12.9	12.6	14.7	14.5	14.2
160.0	13.2	12.7	15.9	13.0	13.2	14.4	14.0	14.1
165.0	13.6	12.7	15.3	12.9	13.6	14.1	13.6	13.8
170.0	14.1	12.7	14.9	13.0	14.1	14.1	13.3	13.7
175.0	14.5	12.8	14.5	13.0	14.4	13.9	12.8	13.7
180.0	14.7	14.2	13.9	14.6	14.7	15.0	12.9	15.2

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