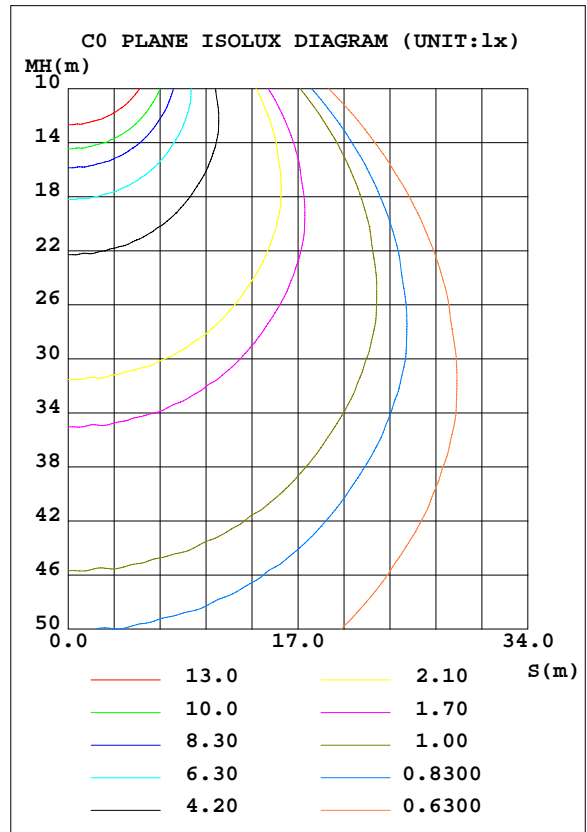
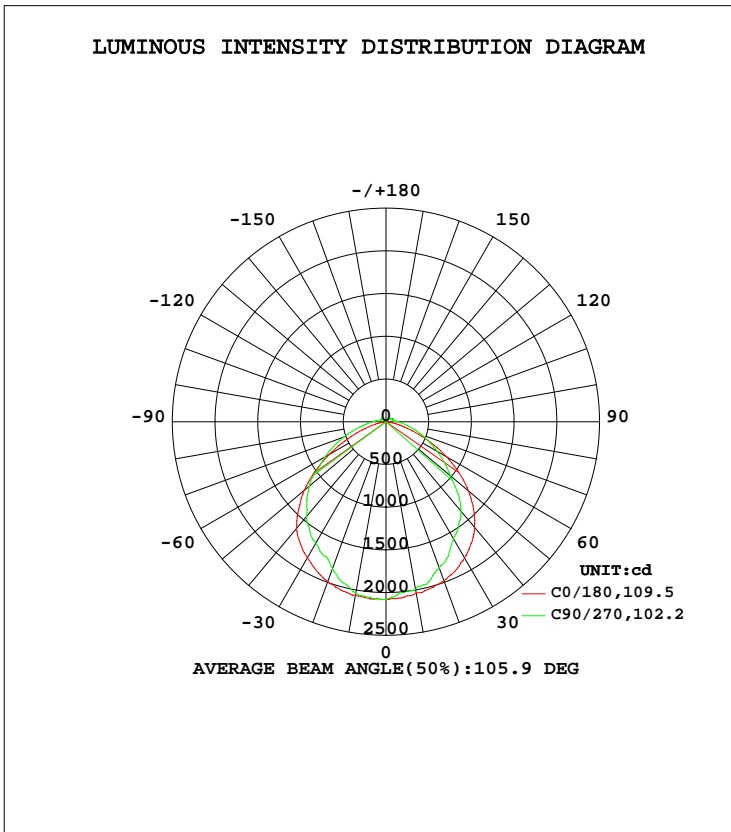


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.49 lm/W			
MODEL	CT-D02064ABN	I _{max} (cd)	2088	S/MH(C0/180)	1.31
NOMINAL POWER(W)	64	LOR(%)	100.0	S/MH(C90/270)	1.14
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5812.0	η UP, DN(C0-180)	2.0,49.2
NOMINAL FLUX(lm)	5812.02	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.2,46.6
LAMPS INSIDE	1	η up(%)	4.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	95.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [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	2062	2048	2038	2052	2036	1985	1995	1993	0- 10	195.2	195.2	3.36,3.36
20	1993	1912	1830	1917	1981	1894	1823	1905	10- 20	556.9	752.2	12.9,12.9
30	1839	1683	1643	1651	1840	1681	1578	1688	20- 30	832.1	1584	27.3,27.3
40	1631	1463	1450	1478	1609	1420	1368	1398	30- 40	996.4	2581	44.4,44.4
50	1247	1209	1176	1209	1261	1133	985.2	1108	40- 50	1021	3602	62,62
60	770.1	837.7	824.2	860.0	818.9	736.5	692.4	724.0	50- 60	871.5	4473	77,77
70	330.0	503.7	523.0	527.0	367.8	457.8	443.0	426.6	60- 70	608.3	5082	87.4,87.4
80	74.01	232.1	280.8	238.4	82.10	234.2	247.5	202.7	70- 80	334.9	5417	93.2,93.2
90	0.2811	110.2	155.3	115.2	0.1856	101.8	144.7	91.51	80- 90	150.5	5567	95.8,95.8
100	1.115	34.89	70.96	35.00	1.193	62.45	77.69	48.38	90-100	67.12	5634	96.9,96.9
110	3.474	45.93	73.53	42.79	4.118	64.39	90.69	54.26	100-110	46.40	5681	97.7,97.7
120	5.146	50.20	59.37	51.89	6.370	50.87	67.70	46.51	110-120	46.97	5728	98.5,98.5
130	6.267	45.66	65.19	46.04	7.586	51.10	56.49	46.79	120-130	37.14	5765	99.2,99.2
140	6.984	18.91	48.82	19.36	7.905	33.82	54.15	29.61	130-140	26.94	5792	99.7,99.7
150	7.346	8.729	15.32	9.019	7.484	15.29	28.53	17.45	140-150	12.53	5804	99.9,99.9
160	6.163	7.339	7.422	7.205	6.459	8.230	12.37	11.22	150-160	4.950	5809	100,100
170	5.782	6.485	7.371	6.038	6.047	6.578	7.311	7.719	160-170	2.137	5811	100,100
180	6.848	6.917	7.311	6.867	6.817	6.838	6.443	6.208	170-180	0.6323	5812	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 8.4 %									UNIT:lm		

Conical surface Flux(90deg): 3099.5 lm

%lum = 53.3%
 %lamp = 53.3%

Conical surface Flux(120deg): 4473.5 lm

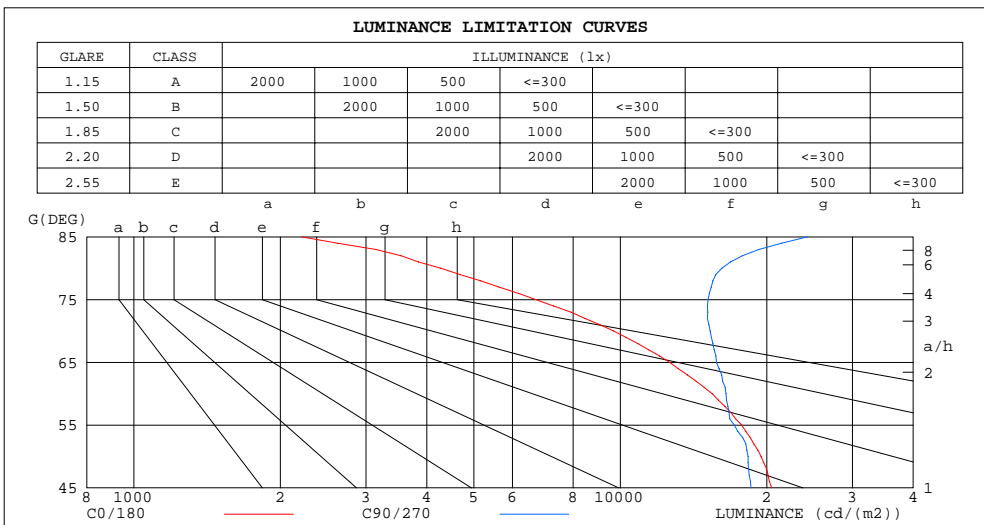
%lum = 77.0%
 %lamp = 77.0%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2211	24251
80	4274	16177
75	6698	15152
70	9677	15300
65	12619	15762
60	15447	16492
55	17764	17147
50	19463	18303
45	20476	18556

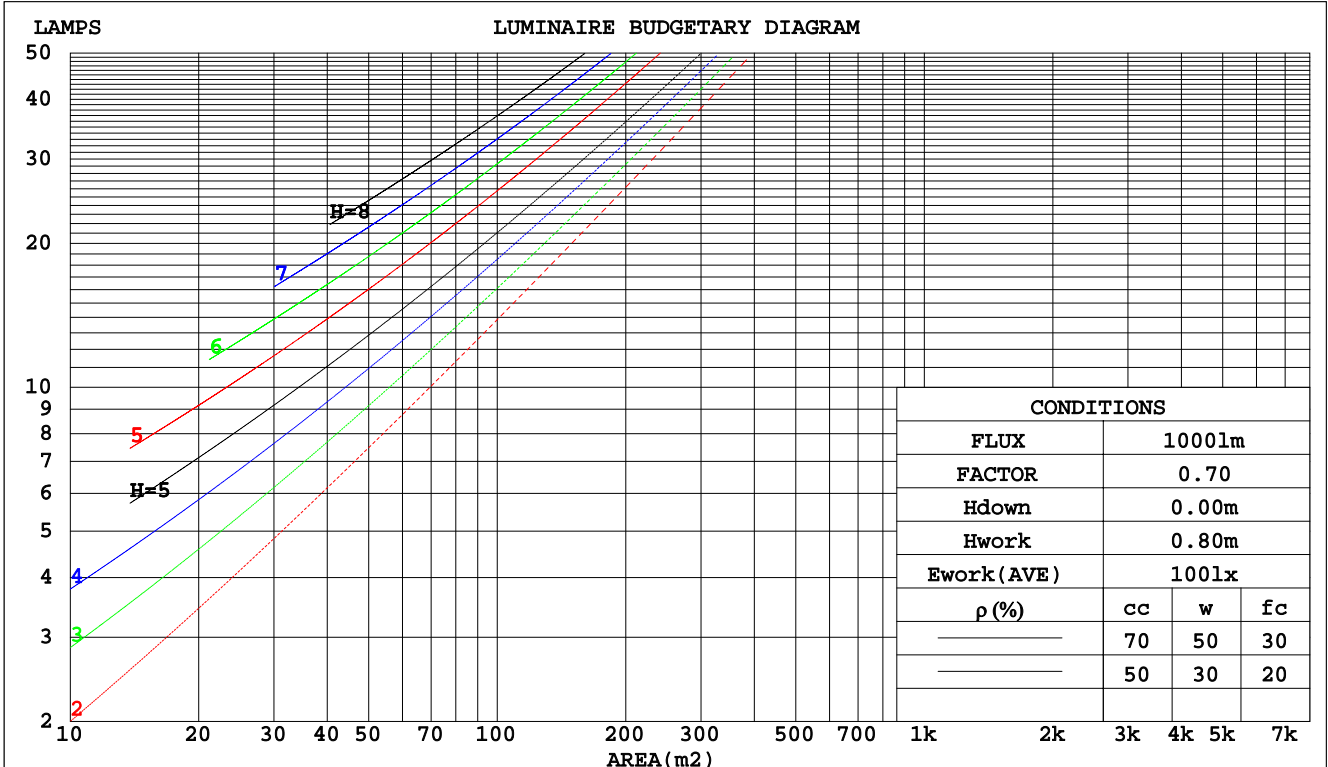
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.03	.99	.95	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.86	.84	.83	.80
2.0	.90	.83	.78	.88	.82	.76	.84	.78	.74	.80	.75	.72	.76	.73	.70	.67
3.0	.79	.71	.65	.77	.70	.64	.74	.68	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.62	.55	.69	.61	.55	.66	.59	.53	.63	.57	.52	.60	.55	.51	.49
5.0	.63	.54	.48	.62	.53	.47	.59	.52	.46	.57	.50	.45	.54	.49	.45	.42
6.0	.57	.48	.42	.56	.47	.41	.53	.46	.41	.51	.45	.40	.49	.44	.39	.37
7.0	.52	.43	.37	.51	.42	.37	.49	.41	.36	.47	.40	.35	.45	.39	.35	.33
8.0	.47	.39	.33	.46	.38	.33	.44	.37	.32	.43	.36	.32	.41	.36	.31	.29
9.0	.43	.35	.30	.42	.35	.29	.41	.34	.29	.40	.33	.29	.38	.33	.28	.26
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	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	.307	.174	.055	.298	.170	.054	.283	.162	.052	.268	.155	.050	.255	.148	.048	
2.0	.285	.156	.048	.278	.153	.047	.264	.147	.046	.251	.141	.044	.240	.136	.043	
3.0	.264	.140	.042	.257	.138	.041	.245	.133	.040	.233	.128	.039	.223	.123	.038	
4.0	.243	.127	.037	.238	.124	.037	.227	.120	.036	.216	.116	.035	.207	.112	.034	
5.0	.225	.115	.033	.220	.113	.033	.210	.109	.032	.201	.106	.032	.192	.103	.031	
6.0	.209	.105	.030	.205	.103	.030	.196	.100	.029	.187	.097	.029	.180	.095	.028	
7.0	.195	.096	.027	.191	.095	.027	.183	.092	.027	.175	.090	.026	.168	.087	.026	
8.0	.182	.089	.025	.179	.088	.025	.171	.086	.024	.165	.083	.024	.158	.081	.024	
9.0	.171	.083	.023	.168	.082	.023	.161	.080	.023	.155	.078	.022	.149	.076	.022	
10.0	.161	.077	.021	.158	.076	.021	.152	.074	.021	.146	.073	.021	.141	.071	.020	

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	.223	.223	.223	.190	.190	.190	.130	.130	.130	.075	.075	.075	.024	.024	.024	
1.0	.212	.189	.167	.182	.162	.144	.124	.111	.099	.072	.064	.058	.023	.021	.019	
2.0	.204	.165	.131	.175	.142	.114	.120	.098	.079	.069	.057	.046	.022	.018	.015	
3.0	.196	.147	.108	.168	.127	.094	.115	.088	.066	.067	.051	.039	.021	.017	.013	
4.0	.188	.134	.092	.162	.116	.080	.111	.081	.056	.064	.047	.033	.021	.015	.011	
5.0	.181	.123	.081	.155	.107	.070	.107	.075	.050	.062	.044	.029	.020	.014	.010	
6.0	.174	.115	.073	.149	.100	.063	.103	.070	.045	.060	.041	.027	.019	.013	.009	
7.0	.167	.108	.067	.144	.094	.058	.099	.066	.041	.058	.039	.025	.019	.013	.008	
8.0	.161	.102	.062	.138	.089	.054	.096	.062	.039	.056	.037	.023	.018	.012	.008	
9.0	.155	.098	.059	.133	.085	.051	.092	.060	.036	.054	.035	.022	.017	.012	.007	
10.0	.149	.093	.056	.129	.081	.049	.089	.057	.035	.052	.034	.021	.017	.011	.007	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm										
NAME:					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A		
MFR.: Carson					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	22.6	24.0	22.9	24.3	24.6	22.5	24.0	22.9	24.3	24.5
3H	23.5	24.8	23.8	25.1	25.4	24.0	25.3	24.4	25.6	26.0
4H	23.7	24.9	24.0	25.2	25.6	24.7	25.9	25.0	26.2	26.6
6H	23.7	24.9	24.1	25.2	25.6	25.3	26.4	25.6	26.8	27.1
8H	23.7	24.8	24.1	25.2	25.6	25.6	26.7	26.0	27.0	27.4
12H	23.7	24.7	24.1	25.1	25.5	25.9	27.0	26.3	27.4	27.8
4H 2H	23.1	24.4	23.5	24.7	25.0	23.1	24.3	23.5	24.7	25.0
3H	24.2	25.3	24.6	25.7	26.1	24.8	25.8	25.2	26.2	26.6
4H	24.6	25.6	25.0	25.9	26.4	25.5	26.5	26.0	26.9	27.4
6H	24.7	25.6	25.2	26.0	26.5	26.3	27.2	26.8	27.6	28.1
8H	24.7	25.6	25.2	26.0	26.5	26.7	27.5	27.2	27.9	28.4
12H	24.7	25.5	25.2	25.9	26.4	27.1	27.9	27.6	28.4	28.9
8H 4H	24.9	25.7	25.4	26.1	26.6	25.8	26.6	26.2	27.0	27.5
6H	25.2	25.9	25.7	26.4	26.9	26.7	27.4	27.2	27.9	28.4
8H	25.3	25.9	25.8	26.4	26.9	27.2	27.8	27.8	28.3	28.9
12H	25.3	25.9	25.9	26.4	27.0	27.9	28.4	28.4	28.9	29.5
12H 4H	24.9	25.7	25.4	26.1	26.6	25.7	26.5	26.2	27.0	27.5
6H	25.3	25.9	25.9	26.4	27.0	26.7	27.4	27.3	27.9	28.4
8H	25.5	26.0	26.0	26.5	27.1	27.4	27.9	27.9	28.4	29.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 5812 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A

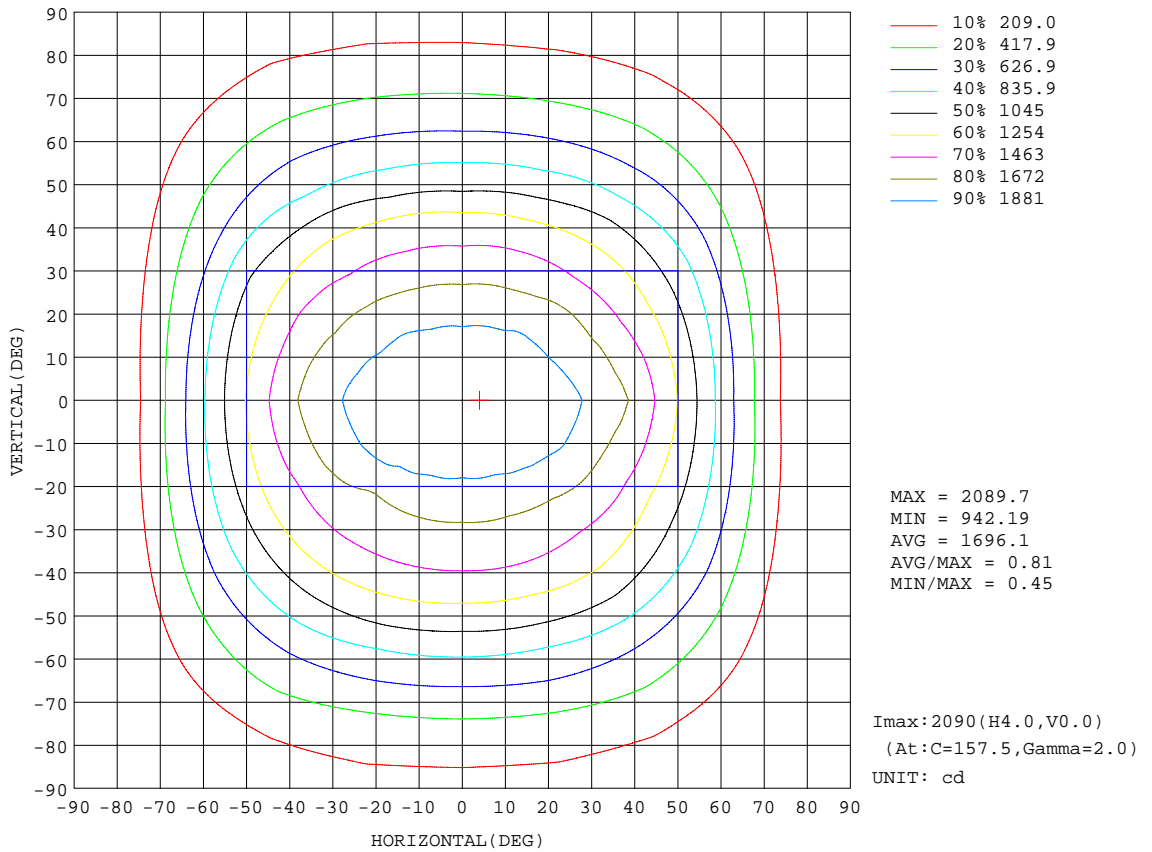
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	56	45	39	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	75	64	57	74	64	57	72	65	56	49
1.25	82	72	65	81	71	64	78	69	63	56
1.50	87	77	71	85	76	70	82	74	69	61
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	91	85	81	72
3.00	101	94	89	99	92	87	94	89	85	75
4.00	105	99	94	102	97	93	97	93	90	80
5.00	107	102	98	105	100	96	99	96	93	82
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:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A

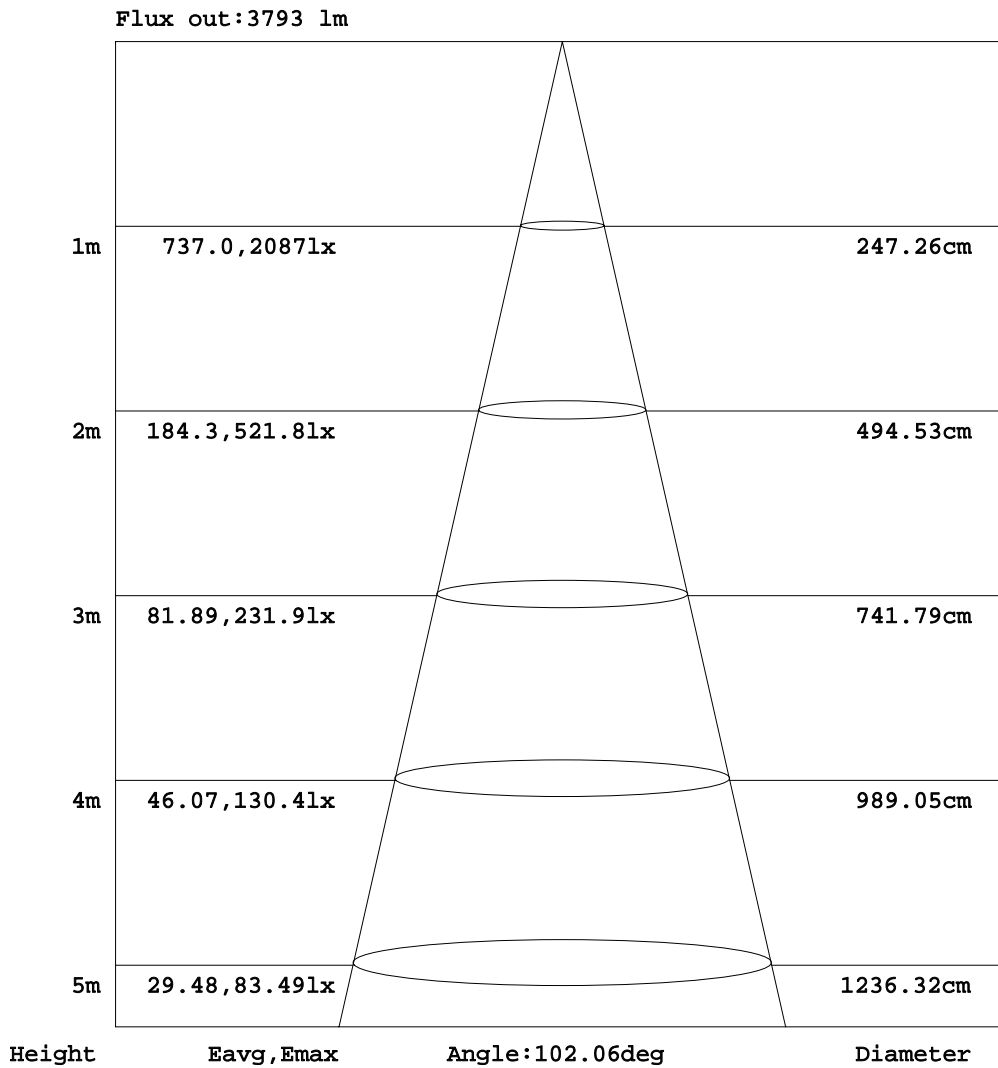


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 25.5DEG
 Operators: hexy
 Test Date: 2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 45%
 Test Distance: 2.453m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A



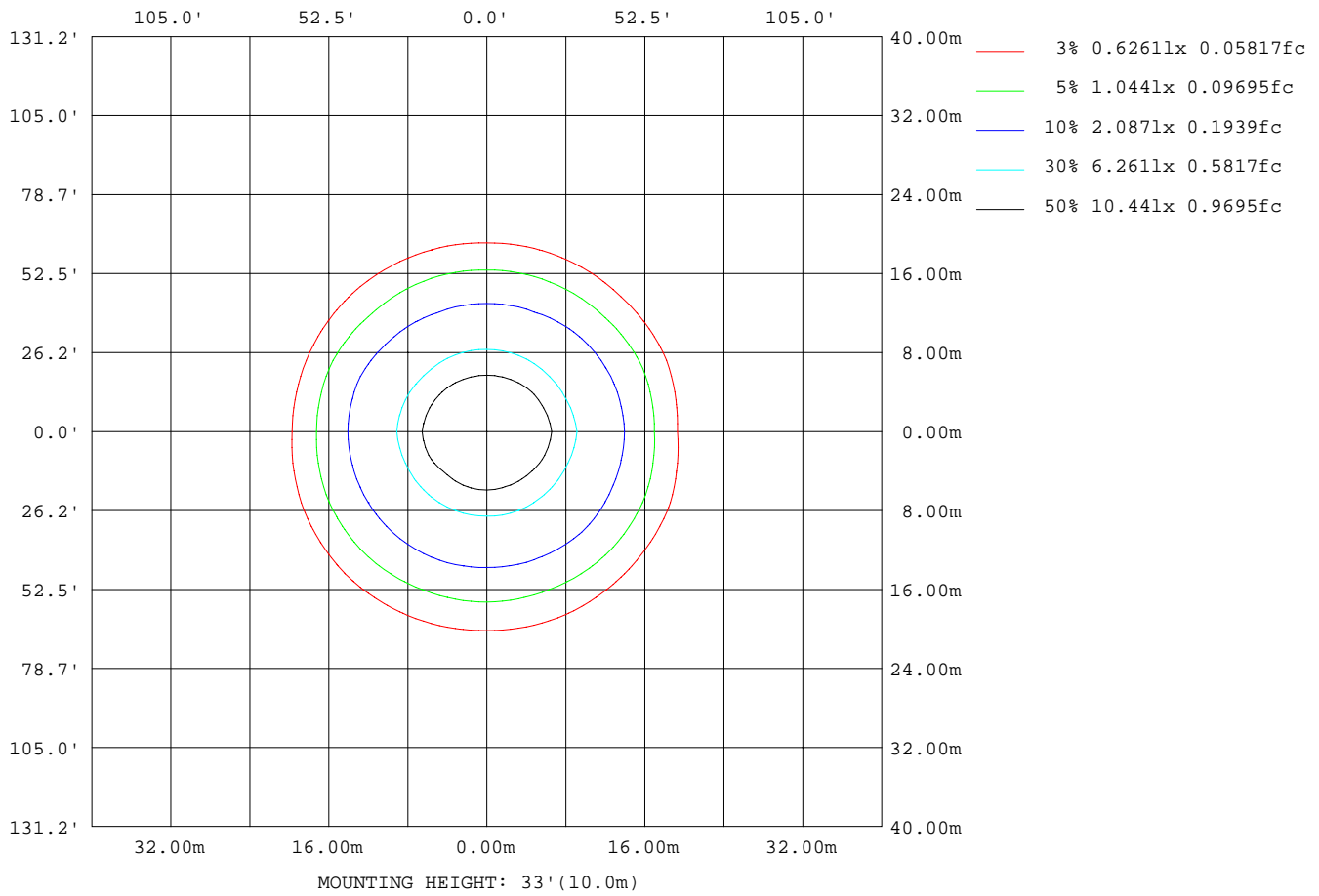
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A

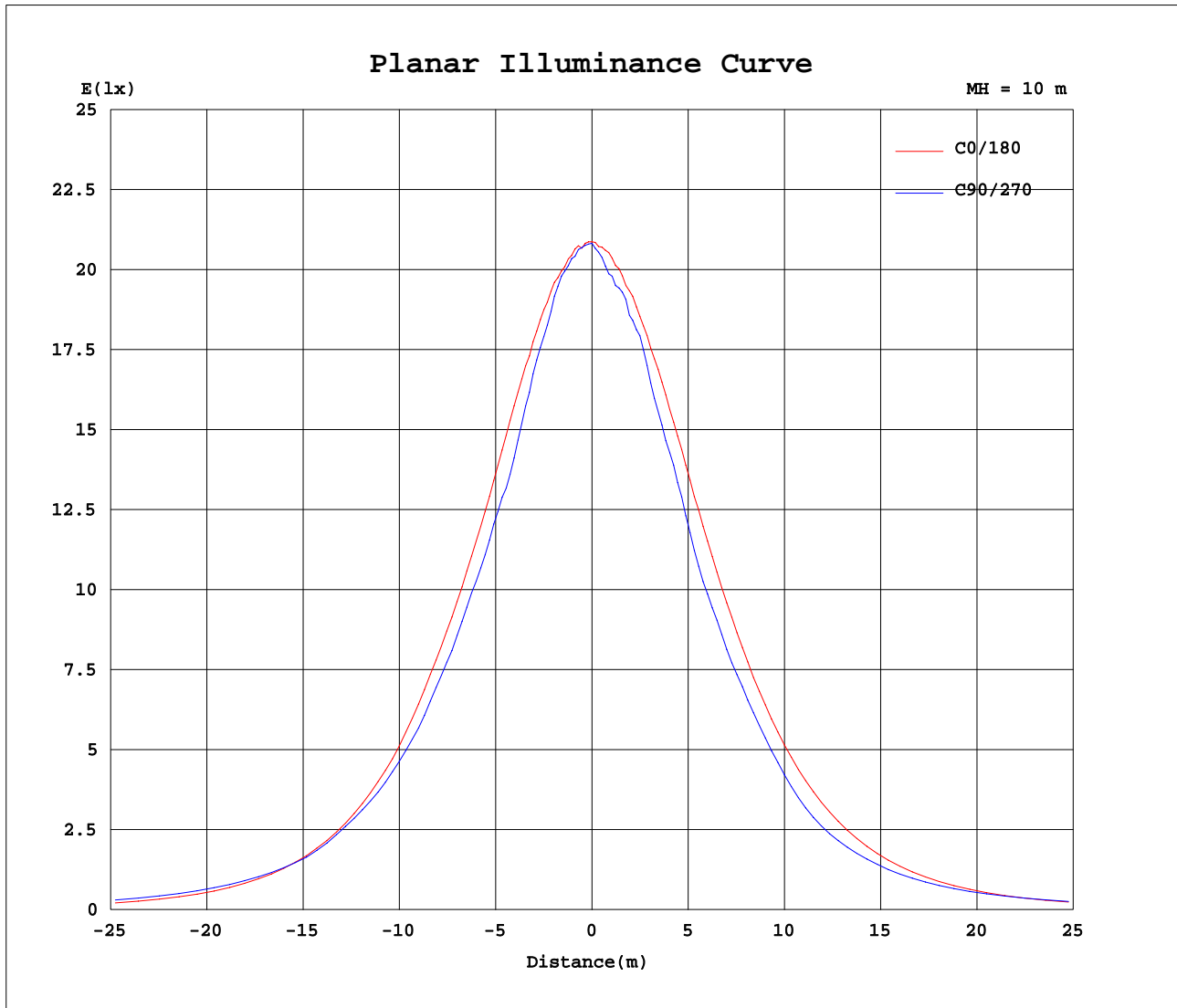
AvgL	cd/m2
L_0~180(65)av	13168
L_0~180(75)av	7111
L_0~180(85)av	2450
L_90~270(65)av	14540
L_90~270(75)av	14069
L_90~270(85)av	22824
L_45(65)av	14841
L_45(75)av	13118
L_45(85)av	17971

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:hexy
 Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:45%
 Test Distance:2.453m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.5DEG
Operators:hexy
Test Date:2015-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:45%
Test Distance:2.453m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.5322A P:62.17W PF:0.9731 Lamp Flux:5812.02x1 lm		
NAME:	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	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	2081	2081	2081	2081	2081	2081	2081	2081	2081	2081	2081	2081	2081	2081	2081	2081			
5	2083	2077	2068	2058	2064	2079	2078	2070	2071	2055	2032	2016	2009	2023	2031	2056			
10	2062	2062	2048	2045	2038	2051	2052	2056	2036	2012	1985	1991	1995	2006	1993	2011			
15	2040	2028	2003	1954	1949	1959	1995	2022	2018	1963	1954	1947	1940	1953	1950	1969			
20	1993	1980	1912	1851	1830	1859	1917	1976	1981	1912	1894	1830	1823	1839	1905	1914			
25	1924	1900	1783	1732	1730	1719	1798	1898	1926	1849	1782	1746	1732	1756	1780	1838			
30	1839	1789	1683	1639	1643	1660	1651	1788	1840	1762	1681	1604	1578	1606	1688	1751			
35	1747	1643	1574	1565	1557	1577	1579	1673	1739	1647	1542	1500	1479	1503	1555	1623			
40	1631	1517	1463	1458	1450	1467	1478	1530	1609	1530	1420	1392	1368	1382	1398	1479			
45	1444	1355	1340	1320	1311	1315	1362	1394	1450	1360	1300	1236	1191	1225	1273	1338			
50	1247	1188	1209	1180	1176	1189	1209	1241	1261	1200	1133	1018	985	1017	1108	1169			
55	1016	1022	1045	1002	983	1024	1038	1049	1047	1042	909	850	839	853	913	994			
60	770	836	838	815	824	830	860	865	819	811	736	715	692	704	724	790			
65	532	628	649	677	666	683	682	656	581	593	604	578	563	564	574	577			
70	330	432	504	520	523	525	527	462	368	426	458	451	443	434	427	394			
75	173	274	356	381	392	387	371	295	195	287	331	342	336	325	300	248			
80	74.0	154	232	271	281	278	238	167	82.1	162	234	254	247	236	203	137			
85	19.2	76.6	161	201	211	207	169	86.9	23.5	80.0	156	188	187	177	141	63.8			
90	0.28	33.0	110	148	155	151	115	39.1	0.19	36.8	102	141	145	132	91.5	29.1			
95	0.38	11.2	63.6	107	121	110	68.3	12.4	0.26	19.0	71.6	96.3	101	89.1	59.6	13.2			
100	1.11	14.0	34.9	63.2	71.0	63.8	35.0	15.2	1.19	21.6	62.4	77.8	77.7	71.9	48.4	15.0			
105	2.29	19.8	43.7	51.0	49.6	49.6	40.0	21.0	2.66	26.7	63.0	81.7	82.5	78.6	51.6	20.1			
110	3.47	26.7	45.9	67.1	73.5	64.6	42.8	29.3	4.12	29.4	64.4	89.2	90.7	84.1	54.3	24.7			
115	4.44	28.3	52.1	62.9	68.8	61.6	52.5	28.5	5.39	32.5	59.1	81.4	85.2	73.6	49.9	26.6			
120	5.15	21.0	50.2	61.6	59.4	60.3	51.9	20.1	6.37	32.1	50.9	65.2	67.7	60.2	46.5	25.9			
125	5.73	15.5	54.3	61.7	64.5	62.8	55.4	14.8	7.09	28.6	50.3	58.4	59.5	55.1	47.8	22.6			
130	6.27	11.3	45.7	64.5	65.2	64.0	46.0	10.8	7.59	23.1	51.1	56.9	56.5	56.8	46.8	17.8			
135	6.66	8.56	31.2	59.6	65.0	59.3	31.7	8.25	7.85	18.6	43.8	57.2	58.4	55.7	39.0	14.2			
140	6.98	7.07	18.9	39.8	48.8	38.8	19.4	7.14	7.91	15.0	33.8	49.7	54.2	48.6	29.6	12.3			
145	7.30	6.60	12.2	21.5	26.7	21.6	12.6	7.09	7.77	12.0	23.0	36.6	41.4	36.3	22.6	11.0			
150	7.35	7.46	8.73	13.2	15.3	13.5	9.02	7.43	7.48	8.95	15.3	23.9	28.5	25.4	17.4	10.6			
155	6.71	6.79	7.17	9.08	10.3	9.32	7.27	7.03	6.95	7.75	11.2	15.2	18.4	17.7	13.5	10.3			
160	6.16	6.34	7.34	7.19	7.42	7.24	7.21	6.57	6.46	6.43	8.23	10.9	12.4	12.6	11.2	9.44			
165	5.66	6.09	7.34	7.49	7.08	7.40	6.62	6.19	6.01	5.95	6.79	8.36	10.0	10.3	9.74	7.86			
170	5.78	6.33	6.48	7.14	7.37	6.56	6.04	6.66	6.05	6.02	6.58	6.85	7.31	8.12	7.72	7.32			
175	6.54	6.70	6.58	6.32	5.41	6.15	6.52	6.75	6.53	6.52	6.45	6.69	7.02	6.44	7.09	6.98			
180	6.85	6.90	6.92	6.40	7.31	5.93	6.87	6.87	6.82	6.83	6.84	6.81	6.44	6.73	6.21	6.77			

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