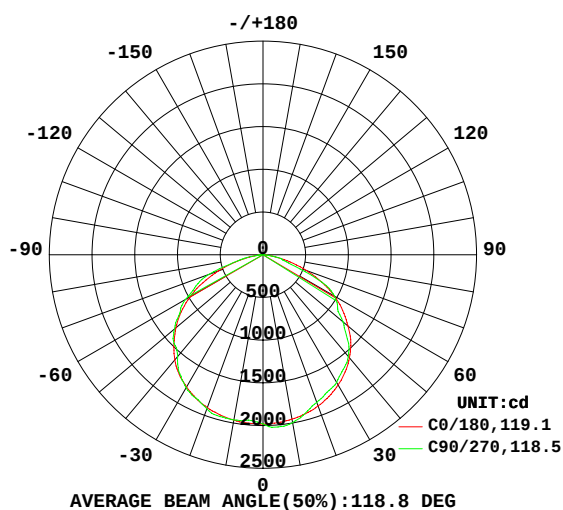


LUMINAIRE PHOTOMETRIC TEST REPORT

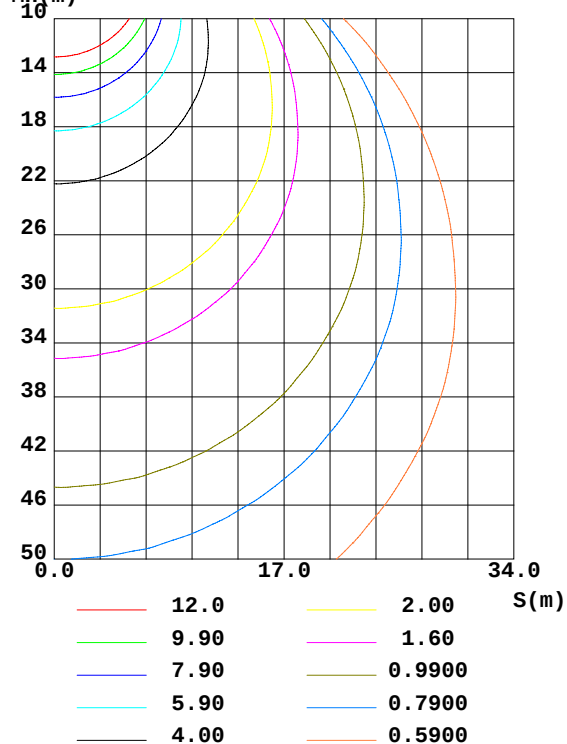
Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Carson	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.18 lm/W			
MODEL	CT-D02064FBN	I _{max} (cd)	2025	S/MH(C0/180)	1.32
NOMINAL POWER(W)	64	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6096.1	η UP, DN(C0-180)	0.1, 51.4
NOMINAL FLUX(lm)	6096.05	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.5
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120.0	η down(%)	99.9	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [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	1964	1956	1963	1939	1953	2009	1995	2011	0- 10	189.0	189.0	3.1,3.1
20	1904	1934	1920	1903	1882	1877	1840	1899	10- 20	549.2	738.2	12.1,12.1
30	1787	1808	1799	1782	1760	1704	1726	1731	20- 30	848.0	1586	26,26
40	1605	1650	1554	1615	1573	1531	1553	1569	30- 40	1055	2641	43.3,43.3
50	1331	1342	1352	1307	1298	1318	1224	1356	40- 50	1124	3765	61.8,61.8
60	985.7	1083	1048	1044	963.4	907.5	968.2	962.0	50- 60	1038	4804	78.8,78.8
70	557.4	685.4	676.6	657.6	541.3	641.2	406.7	659.7	60- 70	805.4	5609	92,92
80	160.7	240.4	188.5	234.5	147.8	156.9	144.6	172.6	70- 80	400.5	6009	98.6,98.6
90	3.128	7.274	2.005	6.207	0.2343	0.1802	0.1819	0.1765	80- 90	81.21	6091	99.9,99.9
100	0.6737	0.6158	0.5845	0.6483	0.3537	0.3268	0.3335	0.2940	90-100	0.6918	6091	99.9,99.9
110	0.7205	0.7196	0.7456	0.7293	0.4424	0.4253	0.4025	0.3861	100-110	0.5935	6092	99.9,99.9
120	0.7182	0.6779	0.6881	0.7014	0.6034	0.5823	0.5374	0.5274	110-120	0.5883	6093	99.9,99.9
130	0.8425	0.8256	0.8441	0.8809	0.8012	0.8062	0.7265	0.7179	120-130	0.6328	6093	100,100
140	1.114	1.190	1.239	1.212	0.9622	0.9729	0.9697	0.8969	130-140	0.7241	6094	100,100
150	1.526	1.778	1.829	1.776	1.070	1.052	1.108	1.060	140-150	0.7799	6095	100,100
160	1.965	2.072	2.127	2.068	1.297	1.210	1.278	1.220	150-160	0.7159	6095	100,100
170	1.962	1.955	1.858	1.947	1.466	1.368	1.228	1.279	160-170	0.4726	6096	100,100
180	1.781	1.616	1.613	1.706	1.779	1.703	1.513	1.581	170-180	0.1563	6096	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 8.4 %									UNIT:lm		

Conical surface Flux(90deg): 3204.1 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(120deg): 4803.6 lm

%lum = 78.8%

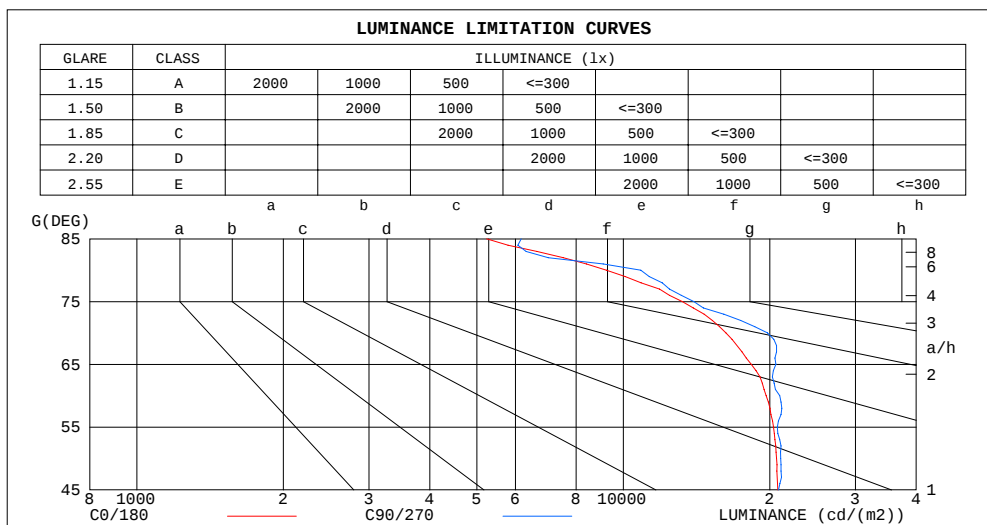
%lamp = 78.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	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	5236	6167
80	9228	10864
75	13217	13953
70	16254	19795
65	18320	20582
60	19663	20974
55	20354	20733
50	20658	21055
45	20783	20834

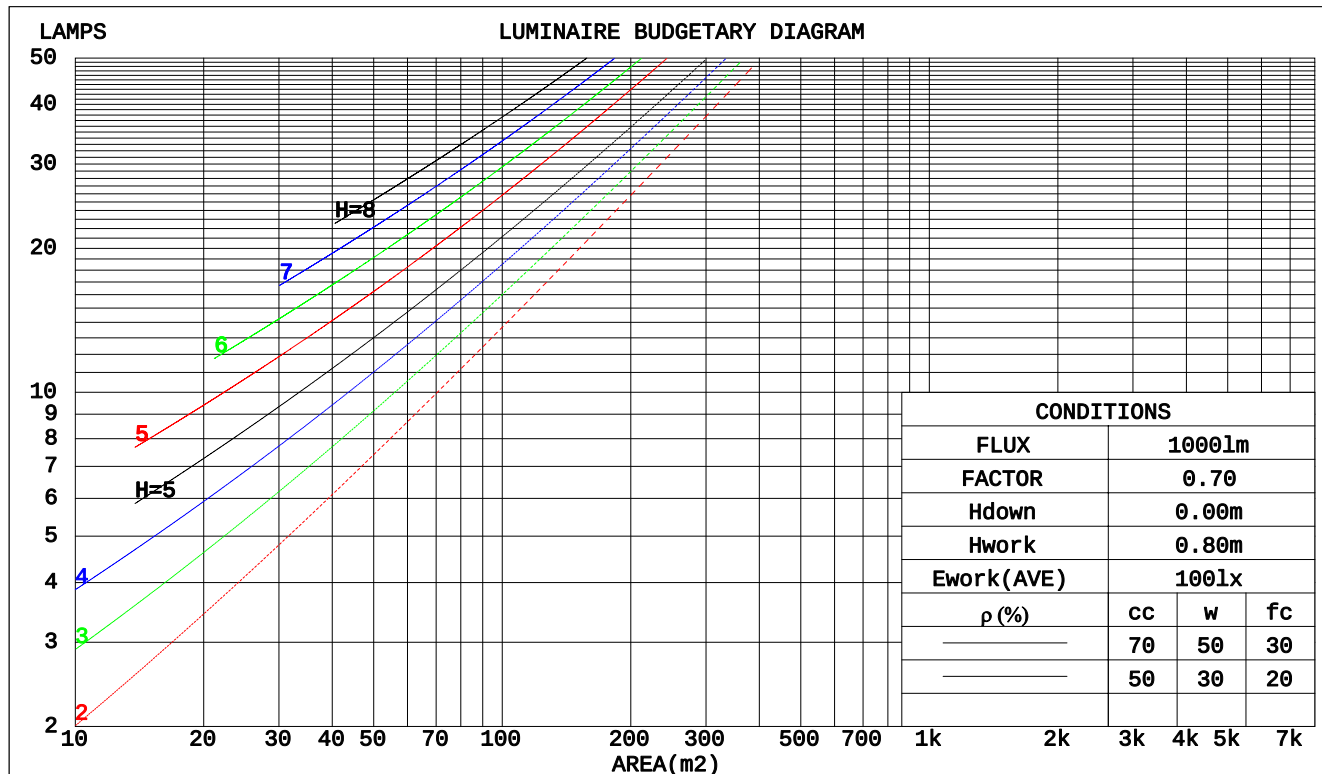
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.5DEG
Operators:Arno
Test Date:2015-08-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:48%
Test Distance:2.455m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	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						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	1.04	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.37	.32	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.36	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm														
NAME: LED Strip					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				

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.306	.174	.055	.299	.170	.054	.285	.164	.052	.273	.158	.051	.262	.152	.049	
2.0	.291	.160	.049	.285	.157	.048	.273	.152	.047	.262	.147	.046	.252	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.251	.130	.038	.246	.129	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021	

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.048	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.034	.085	.050	.024	.049	.030	.015	.016	.010	.005	
7.0	.137	.076	.034	.118	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.078	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.022	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm											
NAME: LED Strip					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	2H	23.8	25.3	24.0	25.5	25.7	23.8	25.3	24.1	25.5	25.8
	3H	25.2	26.6	25.5	26.8	27.1	25.5	26.9	25.8	27.2	27.4
	4H	25.6	27.0	26.0	27.2	27.5	25.9	27.3	26.3	27.5	27.8
	6H	25.9	27.1	26.2	27.4	27.7	26.1	27.4	26.5	27.7	28.0
	8H	25.9	27.1	26.3	27.4	27.7	26.1	27.4	26.5	27.6	27.9
	12H	25.9	27.1	26.2	27.4	27.7	26.1	27.3	26.5	27.6	27.9
4H	2H	24.5	25.8	24.8	26.1	26.3	24.5	25.9	24.8	26.1	26.4
	3H	26.1	27.3	26.5	27.6	27.9	26.4	27.6	26.7	27.9	28.2
	4H	26.8	27.8	27.1	28.2	28.5	26.9	28.0	27.3	28.3	28.6
	6H	27.1	28.1	27.5	28.4	28.8	27.2	28.1	27.6	28.5	28.9
	8H	27.2	28.1	27.6	28.5	28.9	27.2	28.1	27.6	28.5	28.9
	12H	27.2	28.1	27.7	28.4	28.9	27.2	28.0	27.6	28.4	28.8
8H	4H	27.1	28.0	27.5	28.3	28.7	27.2	28.1	27.6	28.5	28.8
	6H	27.6	28.3	28.1	28.8	29.2	27.6	28.3	28.0	28.7	29.1
	8H	27.8	28.5	28.3	28.9	29.3	27.6	28.3	28.1	28.7	29.2
	12H	27.9	28.5	28.4	28.9	29.4	27.7	28.2	28.1	28.7	29.1
12H	4H	27.1	27.9	27.5	28.3	28.7	27.2	28.0	27.6	28.4	28.8
	6H	27.6	28.3	28.1	28.7	29.2	27.6	28.3	28.1	28.7	29.1
	8H	27.9	28.4	28.4	28.9	29.4	27.7	28.3	28.2	28.7	29.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.4					
2.0H	+ 0.2 / - 0.5					+ 0.1 / - 0.4					

CIE Pub.117 Corrected 6096 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.3)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	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

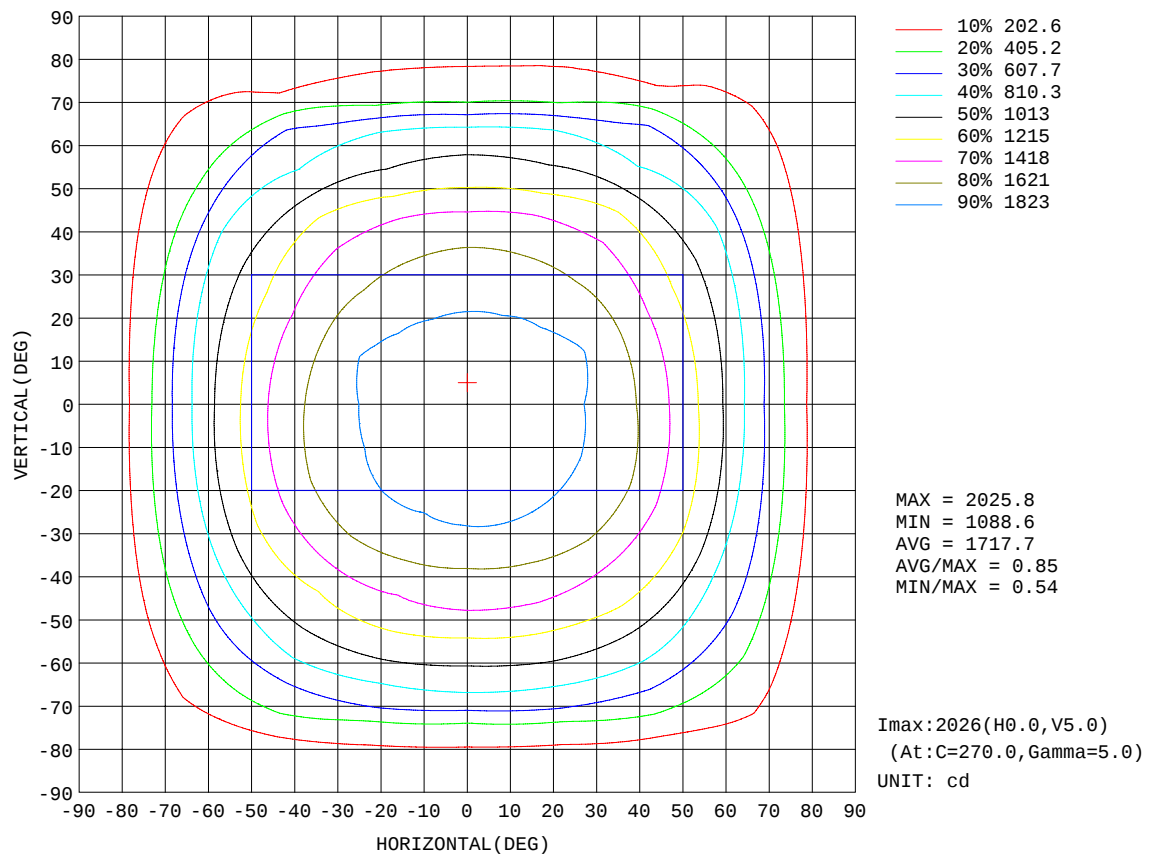
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	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

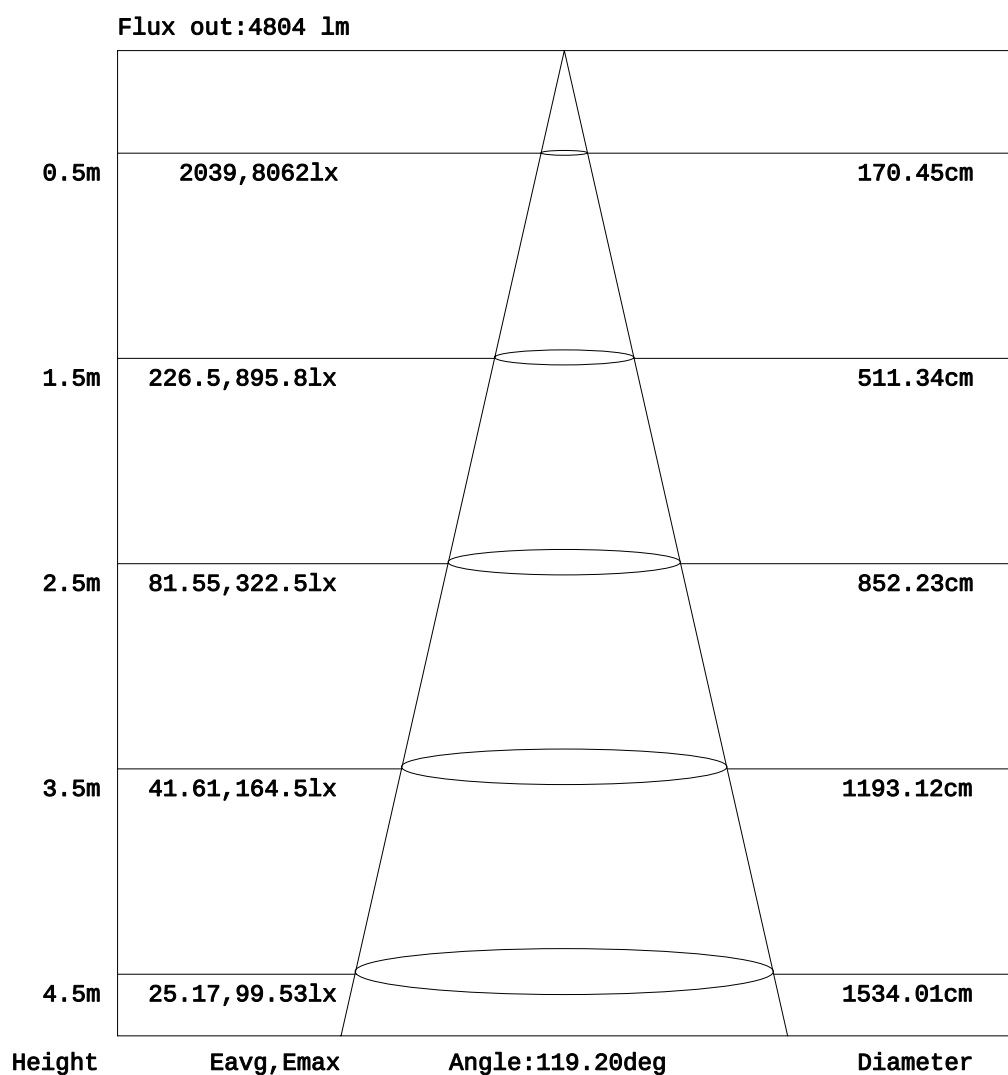


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.5DEG
Operators: Arno
Test Date: 2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity: 48%
Test Distance: 2.455m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	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



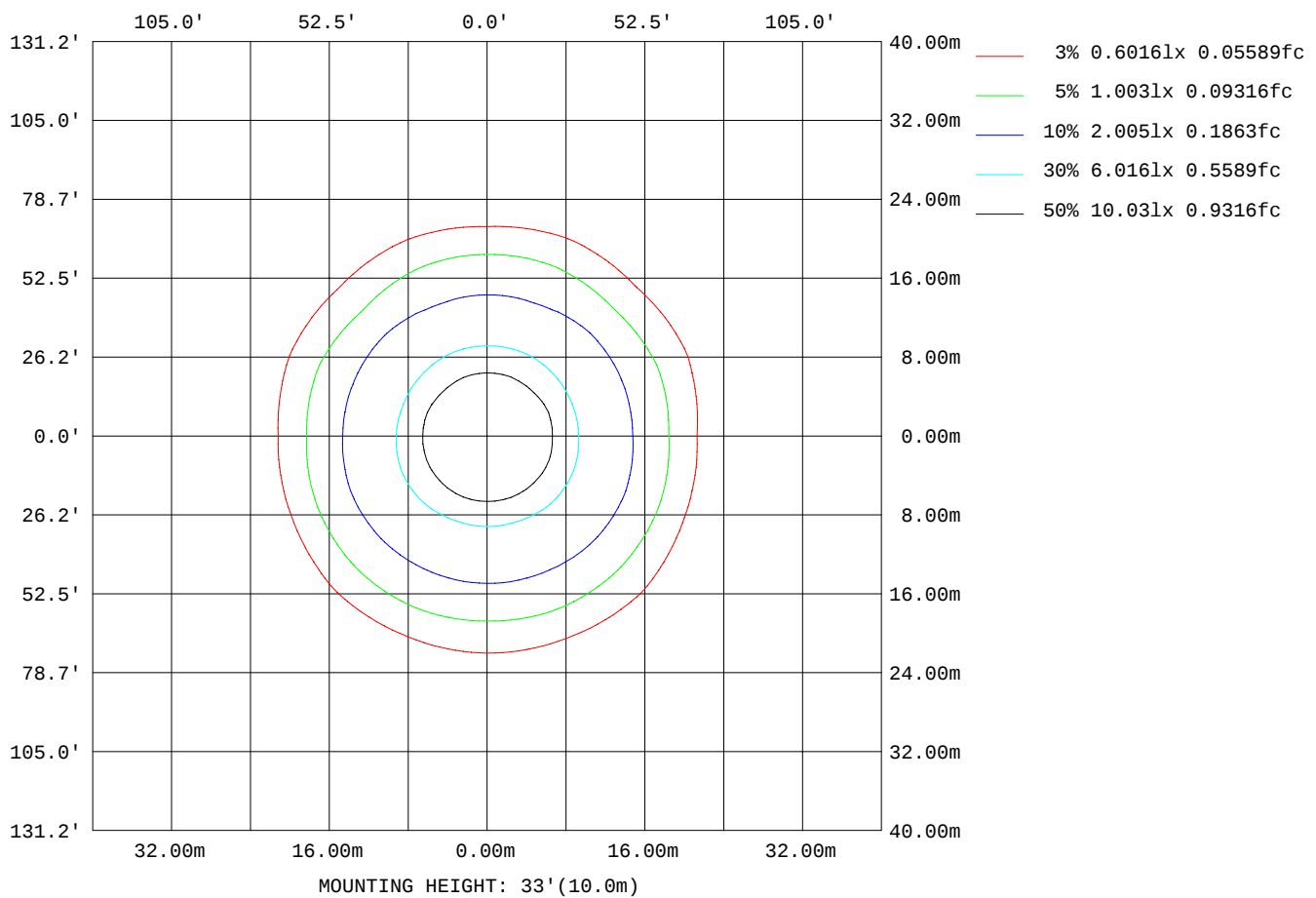
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.5DEG
 Operators:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	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:Arno
 Test Date:2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:48%
 Test Distance:2.455m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm		
NAME: LED Strip	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

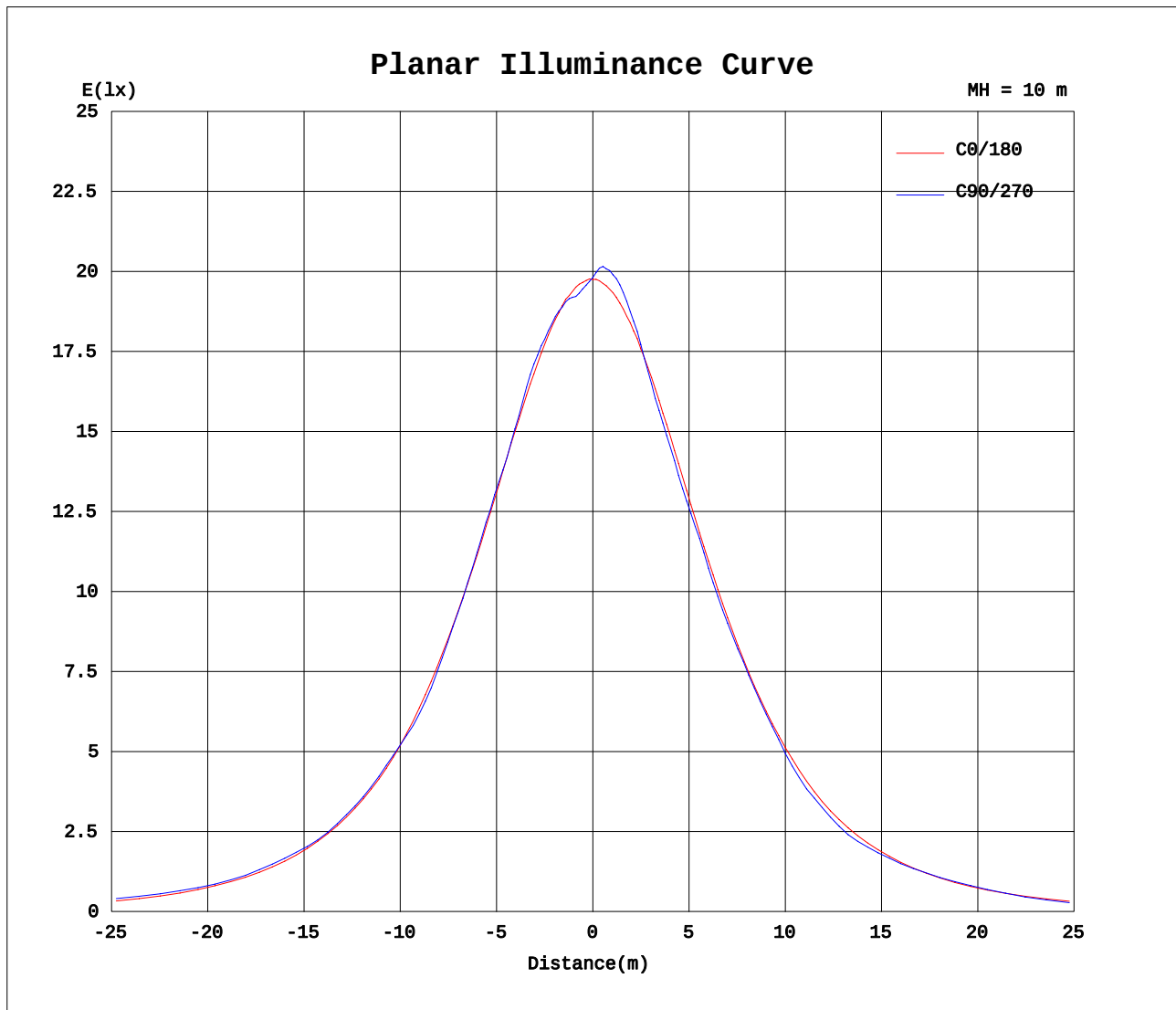
AvgL	cd/m2
L_0~180(65)av	18179
L_0~180(75)av	12993
L_0~180(85)av	4336
L_90~270(65)av	19314
L_90~270(75)av	11608
L_90~270(85)av	5715
L_45(65)av	19652
L_45(75)av	16007
L_45(85)av	6923

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.5DEG
Operators:Arno
Test Date:2015-08-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:48%
Test Distance:2.455m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.5DEG
Operators: Arno
Test Date: 2015-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity: 48%
Test Distance: 2.455m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.5315A P:62.09W PF:0.9733 Lamp Flux:6096.05x1 lm																		
NAME: LED Strip									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	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980			
5	1979	1960	1950	1943	1943	1942	1946	1956	1972	2001	2019	2019	2025	2023	2019	2010			
10	1964	1936	1956	1961	1963	1953	1939	1928	1953	1999	2009	1996	1995	2003	2011	2009			
15	1942	1921	1950	1956	1961	1945	1932	1898	1926	1971	1951	1927	1918	1938	1968	1992			
20	1904	1905	1934	1935	1920	1923	1903	1876	1882	1932	1877	1840	1840	1847	1899	1960			
25	1856	1866	1891	1857	1853	1849	1871	1831	1830	1855	1781	1772	1775	1785	1809	1897			
30	1787	1814	1808	1808	1799	1790	1782	1772	1760	1773	1704	1716	1726	1729	1731	1817			
35	1710	1753	1746	1724	1699	1711	1702	1703	1675	1655	1624	1628	1639	1647	1649	1714			
40	1605	1663	1650	1597	1554	1581	1615	1617	1573	1530	1531	1554	1553	1568	1569	1595			
45	1473	1525	1518	1454	1472	1431	1485	1492	1453	1412	1430	1427	1398	1452	1462	1443			
50	1331	1383	1342	1377	1352	1357	1307	1337	1298	1266	1318	1225	1224	1253	1356	1303			
55	1170	1255	1238	1216	1188	1200	1192	1195	1140	1125	1127	1041	1067	1061	1178	1164			
60	986	1060	1083	1075	1048	1055	1044	1020	963	971	908	948	968	965	962	1008			
65	776	825	905	866	869	848	855	796	760	821	774	806	763	824	788	857			
70	557	677	685	714	677	697	658	609	541	554	641	455	407	492	660	633			
75	343	465	512	393	361	387	485	417	330	362	301	236	240	255	359	358			
80	161	268	240	194	189	198	235	229	148	235	157	153	145	171	173	263			
85	45.8	118	65.3	54.6	53.7	56.9	65.1	106	29.8	72.7	52.7	46.9	45.9	49.7	58.4	76.7			
90	3.13	2.11	7.27	2.83	2.00	2.45	6.21	8.38	0.23	0.21	0.18	0.19	0.18	0.18	0.18	0.20			
95	0.52	0.48	0.46	0.44	0.44	0.47	0.49	0.53	0.29	0.30	1.08	0.74	0.29	0.49	0.94	0.27			
100	0.67	0.82	0.62	0.59	0.58	0.61	0.65	0.99	0.35	0.43	0.33	0.32	0.33	0.32	0.29	0.57			
105	0.74	0.83	0.72	0.74	0.74	0.75	0.74	0.74	0.40	0.45	0.37	0.37	0.35	0.37	0.33	0.36			
110	0.72	0.68	0.72	0.74	0.75	0.75	0.73	0.72	0.44	0.44	0.43	0.43	0.40	0.41	0.39	0.43			
115	0.68	0.65	0.69	0.71	0.71	0.72	0.70	0.71	0.51	0.50	0.50	0.49	0.47	0.47	0.45	0.47			
120	0.72	0.68	0.68	0.68	0.69	0.71	0.70	0.72	0.60	0.59	0.58	0.57	0.54	0.52	0.53	0.53			
125	0.75	0.72	0.72	0.73	0.74	0.76	0.76	0.77	0.71	0.71	0.71	0.66	0.62	0.61	0.63	0.63			
130	0.84	0.84	0.83	0.84	0.84	0.89	0.88	0.88	0.80	0.81	0.81	0.80	0.73	0.75	0.72	0.76			
135	0.97	0.97	0.99	0.99	1.02	1.05	1.04	1.01	0.88	0.89	0.89	0.91	0.88	0.84	0.80	0.86			
140	1.11	1.15	1.19	1.22	1.24	1.28	1.21	1.17	0.96	0.96	0.97	1.00	0.97	0.93	0.90	0.94			
145	1.33	1.38	1.51	1.54	1.58	1.56	1.52	1.40	1.01	1.01	1.02	1.08	1.06	1.02	0.98	1.02			
150	1.53	1.64	1.78	1.85	1.83	1.86	1.78	1.61	1.07	1.04	1.05	1.12	1.11	1.10	1.06	1.11			
155	1.77	1.84	1.96	2.01	2.03	2.03	1.96	1.77	1.18	1.13	1.16	1.23	1.24	1.24	1.17	1.27			
160	1.97	2.04	2.07	2.21	2.13	2.18	2.07	1.96	1.30	1.27	1.21	1.24	1.28	1.27	1.22	1.33			
165	2.01	2.04	2.05	2.10	2.12	2.07	1.99	1.97	1.38	1.36	1.28	1.25	1.25	1.27	1.23	1.38			
170	1.96	1.96	1.96	1.90	1.86	1.87	1.95	1.96	1.47	1.46	1.37	1.30	1.23	1.20	1.28	1.43			
175	1.94	1.87	1.87	1.77	1.68	1.79	1.84	1.92	1.62	1.61	1.53	1.40	1.40	1.30	1.44	1.60			
180	1.78	1.70	1.62	1.50	1.61	1.58	1.71	1.80	1.78	1.77	1.70	1.62	1.51	1.59	1.58	1.71			

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