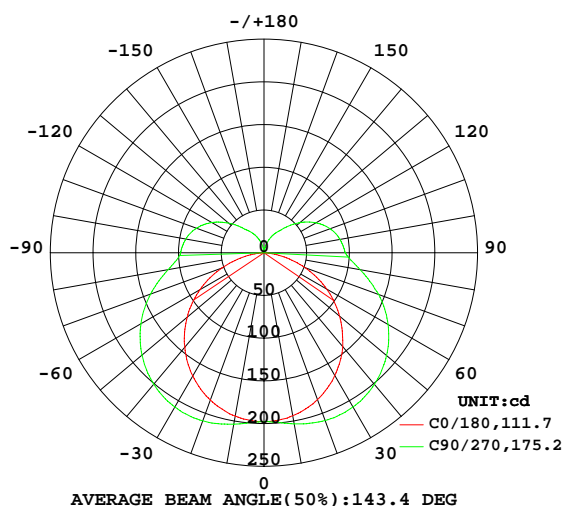
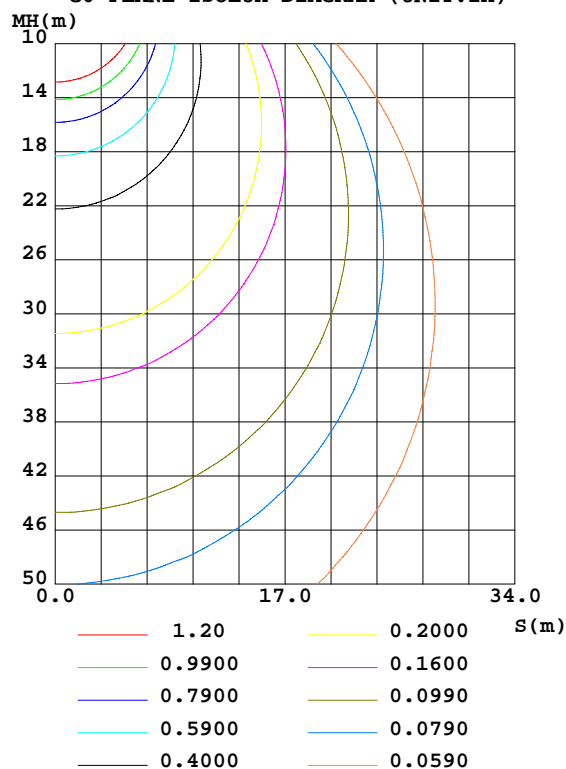


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 75.02 lm/W
MODEL	4907-24	I _{max} (cd)	210.0	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.57	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1060.8	η UP,DN(C0-180)	10.9,39.2	
NOMINAL FLUX(lm)	1060.79	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	10.8,39.0	
LAMPS INSIDE	1	η up(%)	21.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120	η down(%)	78.2	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [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	194.0	199.8	203.8	199.7	193.7	199.2	203.3	198.8	0- 10	18.95	18.95	1.79,1.79
20	183.5	199.9	209.4	199.3	182.9	199.1	208.9	198.3	10- 20	56.35	75.30	7.1,7.1
30	166.6	194.5	208.6	193.7	165.9	193.7	208.4	192.3	20- 30	90.07	165.4	15.6,15.6
40	144.2	182.8	200.7	181.7	143.5	182.2	201.1	180.4	30- 40	115.9	281.2	26.5,26.5
50	117.3	165.1	186.3	163.7	115.5	164.9	187.2	162.9	40- 50	130.4	411.6	38.8,38.8
60	86.52	141.6	166.3	139.9	84.71	141.5	167.6	139.3	50- 60	131.7	543.3	51.2,51.2
70	52.51	113.8	141.3	111.8	51.10	113.4	143.0	111.4	60- 70	119.6	662.9	62.5,62.5
80	19.30	84.27	113.9	82.17	18.05	84.00	114.4	81.97	70- 80	96.06	758.9	71.5,71.5
90	0.1883	66.99	97.64	65.22	0.1430	65.07	95.07	62.76	80- 90	70.91	829.8	78.2,78.2
100	0.1101	63.56	92.92	61.47	0.0996	61.94	90.39	59.60	90-100	61.72	891.6	84.84
110	0.1313	55.51	84.19	53.84	0.1632	55.32	82.33	52.93	100-110	54.89	946.5	89.2,89.2
120	0.1690	43.95	70.80	42.43	0.2424	45.00	70.24	42.71	110-120	43.76	990.2	93.3,93.3
130	0.2504	31.23	54.05	30.24	0.3119	32.88	54.97	31.01	120-130	31.38	1022	96.3,96.3
140	0.3766	23.79	37.11	23.38	0.3632	23.74	38.51	23.48	130-140	19.96	1042	98.2,98.2
150	0.5201	17.08	26.43	16.80	0.4054	15.17	26.30	18.44	140-150	11.58	1053	99.3,99.3
160	0.6112	9.890	16.11	9.721	0.4591	6.321	15.51	12.72	150-160	5.713	1059	99.8,99.8
170	0.5584	3.204	5.773	2.543	0.4302	1.212	5.469	5.075	160-170	1.773	1061	100,100
180	0.5804	0.4382	0.3057	0.4481	0.5687	0.5468	0.4228	0.4483	170-180	0.1652	1061	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 17.8 %									UNIT:lm		

Conical surface Flux(90deg): 345.41 lm

%lum = 32.6%

%lamp = 32.6%

Conical surface Flux(120deg): 543.31 lm

%lum = 51.2%

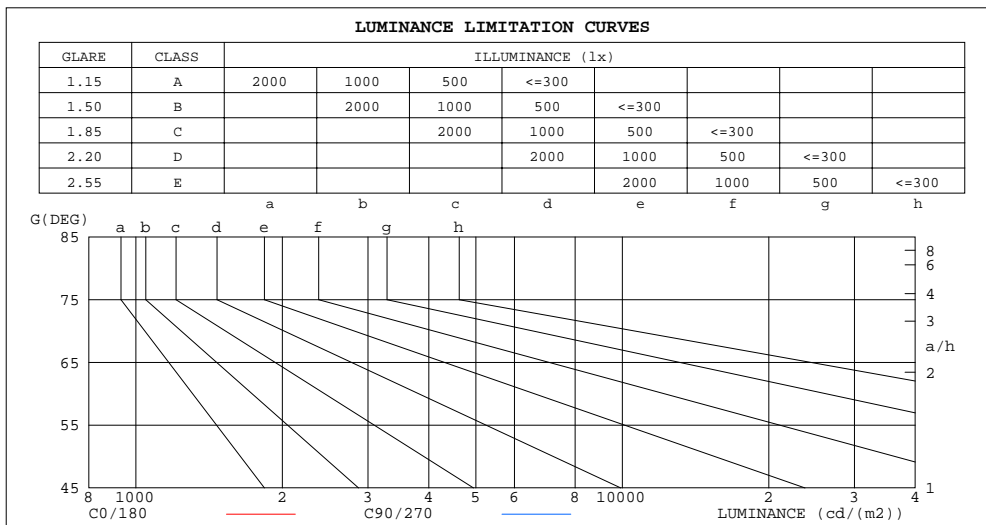
%lamp = 51.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	731122	11810516
80	1111709	6559250
75	1371016	4917231
70	1536122	4129562
65	1657262	3650131
60	1731151	3324617
55	1787161	3082833
50	1825301	2897171
45	1859245	2745510

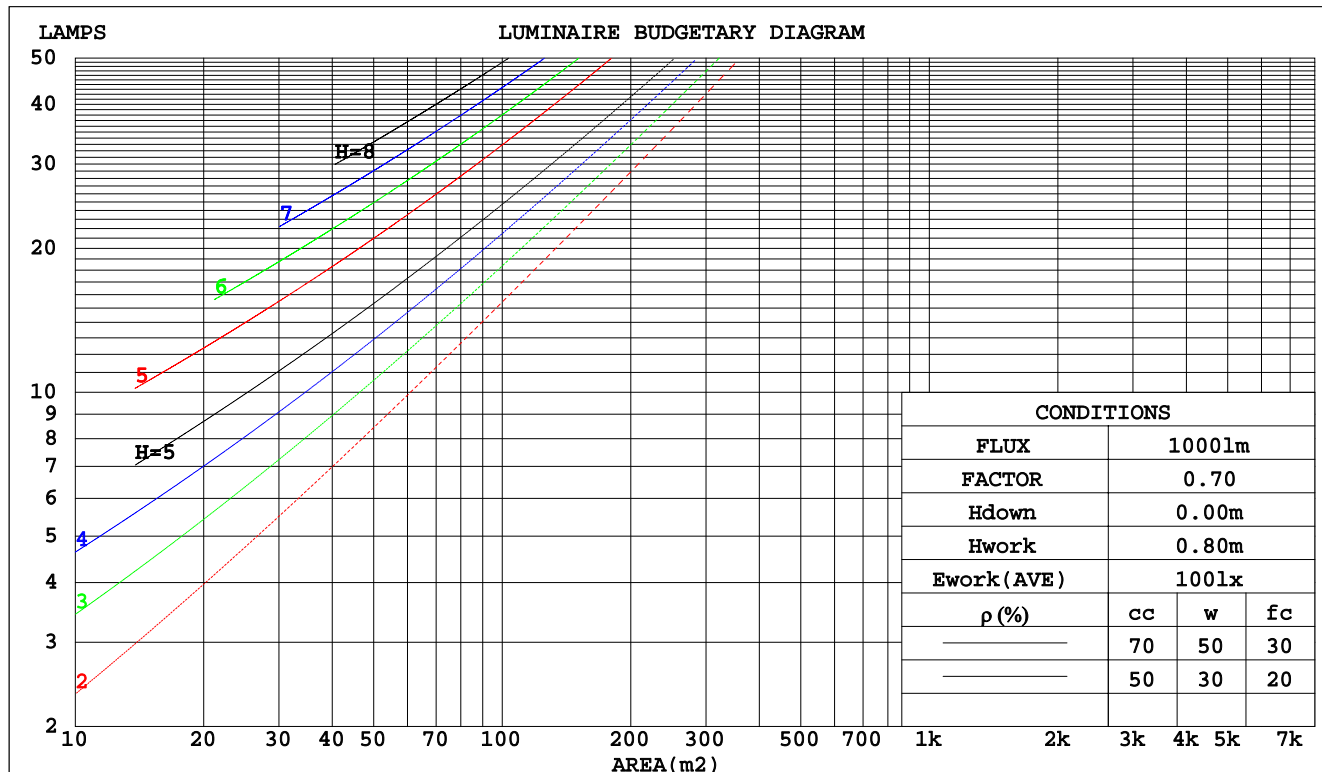
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hill
Test Date:2019-12-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.485m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

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	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.95	.90	.85	.91	.86	.82	.82	.79	.75	.75	.72	.69	.68	.65	.63	.59
2.0	.81	.74	.67	.78	.70	.65	.70	.65	.60	.64	.59	.55	.58	.54	.51	.47
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.49	.55	.50	.45	.50	.46	.42	.38
4.0	.62	.52	.45	.59	.50	.44	.54	.46	.41	.49	.43	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.44	.37	.48	.40	.35	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.39	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.21	.30	.24	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.20	.30	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm									
NAME: LED Luminaires					TYPE:N/A			WEIGHT:N/A	
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A	
MFR.:					SUR.:N/A			Shielding Angle:N/A	

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	.377	.214	.068	.363	.207	.066	.337	.193	.062	.313	.181	.058	.291	.169	.054			
2.0	.329	.180	.055	.316	.174	.054	.293	.163	.051	.271	.152	.048	.251	.142	.045			
3.0	.293	.156	.047	.282	.151	.045	.261	.141	.043	.241	.132	.041	.223	.123	.038			
4.0	.265	.138	.040	.254	.133	.039	.235	.125	.037	.217	.117	.035	.200	.109	.033			
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.198	.104	.031	.182	.097	.029			
6.0	.221	.111	.032	.212	.107	.031	.196	.101	.029	.181	.094	.028	.167	.088	.026			
7.0	.204	.101	.029	.196	.098	.028	.181	.092	.026	.168	.086	.025	.155	.080	.024			
8.0	.189	.092	.026	.182	.090	.025	.168	.084	.024	.156	.079	.023	.144	.074	.021			
9.0	.176	.085	.024	.170	.083	.023	.157	.078	.022	.145	.073	.021	.134	.068	.020			
10.0	.165	.079	.022	.159	.077	.021	.147	.072	.020	.136	.068	.019	.126	.063	.018			

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	.356	.356	.356	.305	.305	.305	.208	.208	.208	.119	.119	.119	.038	.038	.038	
1.0	.352	.323	.296	.301	.277	.255	.206	.191	.176	.119	.110	.103	.038	.036	.033	
2.0	.346	.300	.262	.296	.258	.226	.203	.179	.158	.117	.104	.093	.038	.034	.030	
3.0	.338	.284	.240	.290	.245	.208	.199	.170	.146	.115	.099	.086	.037	.032	.028	
4.0	.331	.271	.226	.284	.234	.196	.195	.163	.138	.113	.096	.082	.036	.031	.027	
5.0	.323	.262	.216	.278	.226	.188	.191	.158	.133	.111	.093	.079	.036	.030	.026	
6.0	.316	.254	.209	.271	.220	.182	.187	.154	.129	.109	.090	.077	.035	.030	.025	
7.0	.309	.247	.204	.266	.214	.178	.184	.150	.126	.107	.089	.075	.034	.029	.025	
8.0	.302	.242	.200	.260	.210	.175	.180	.147	.124	.105	.087	.074	.034	.028	.024	
9.0	.296	.237	.197	.255	.206	.172	.177	.145	.122	.103	.085	.073	.033	.028	.024	
10.0	.290	.233	.195	.250	.202	.170	.174	.142	.121	.101	.084	.072	.033	.028	.024	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm											
NAME: LED Luminaires					TYPE:N/A			WEIGHT:N/A			
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A			
MFR.:					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		37.7	39.0	38.2	39.5	40.2	40.1	41.4	40.6	41.9	42.6
	3H	39.1	40.4	39.7	41.0	41.6	42.6	43.8	43.2	44.4	45.1
	4H	39.7	40.9	40.3	41.5	42.2	44.0	45.1	44.6	45.7	46.4
	6H	40.1	41.2	40.7	41.8	42.5	45.5	46.5	46.1	47.2	47.9
	8H	40.2	41.2	40.8	41.8	42.6	46.3	47.3	46.9	48.0	48.7
	12H	40.2	41.2	40.8	41.8	42.6	47.2	48.2	47.9	48.9	49.6
4H	2H	38.9	40.1	39.5	40.7	41.4	40.6	41.8	41.2	42.4	43.1
	3H	40.7	41.7	41.3	42.3	43.1	43.4	44.4	44.1	45.1	45.8
	4H	41.5	42.4	42.1	43.1	43.8	45.0	45.9	45.6	46.6	47.3
	6H	42.0	42.8	42.7	43.5	44.4	46.7	47.5	47.3	48.2	49.0
	8H	42.2	43.0	42.9	43.7	44.5	47.6	48.4	48.3	49.1	49.9
	12H	42.3	43.0	43.0	43.7	44.6	48.7	49.4	49.4	50.1	51.0
8H	4H	42.5	43.3	43.2	44.0	44.8	45.3	46.1	46.0	46.8	47.6
	6H	43.5	44.1	44.2	44.8	45.7	47.3	47.9	48.0	48.7	49.5
	8H	43.8	44.4	44.6	45.2	46.1	48.4	49.0	49.2	49.8	50.6
	12H	44.1	44.6	44.9	45.4	46.3	49.8	50.3	50.5	51.1	52.0
12H	4H	42.8	43.5	43.5	44.3	45.1	45.3	46.0	46.0	46.7	47.6
	6H	44.0	44.6	44.7	45.3	46.2	47.4	48.0	48.1	48.7	49.6
	8H	44.6	45.1	45.3	45.8	46.8	48.6	49.1	49.4	49.9	50.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.5					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 1061 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.1DEG
Operators:Hill
Test Date:2019-12-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.485m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

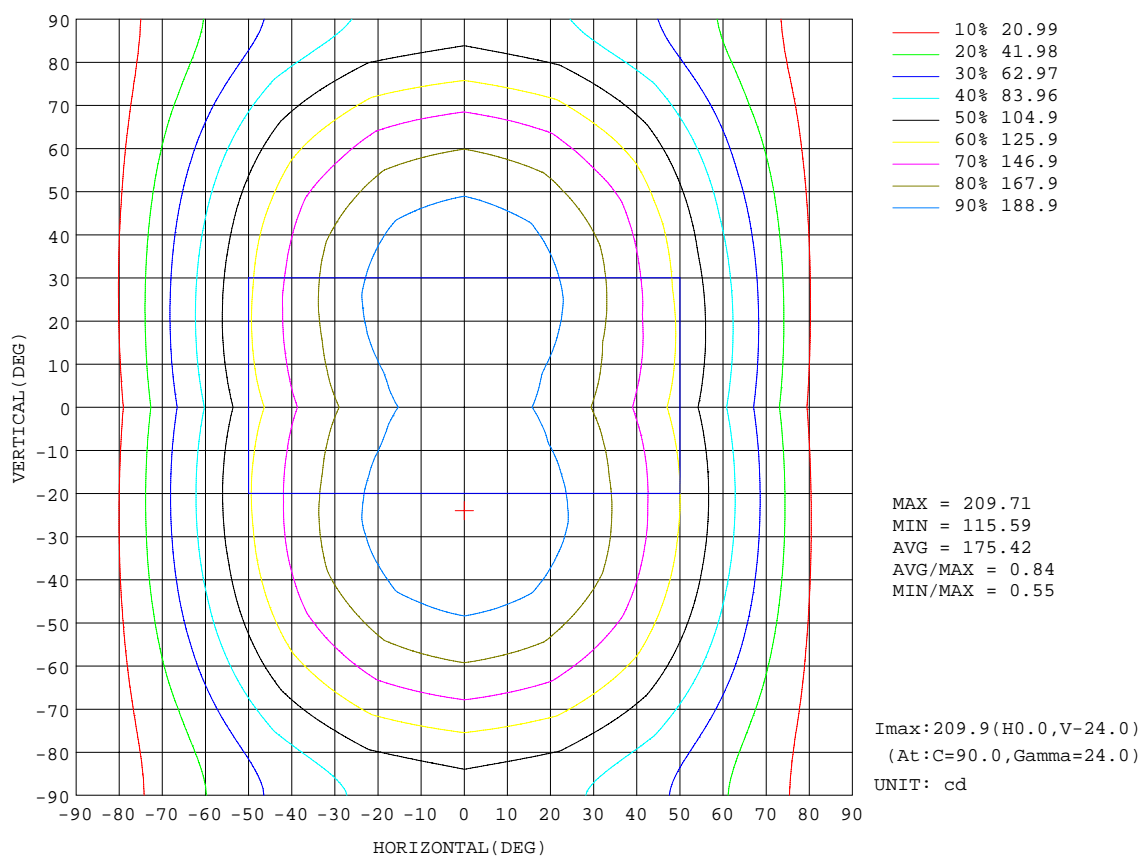
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	34	27	45	33	26	43	32	26	19
0.80	56	42	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	58	49	68	56	48	63	53	46	36
1.50	76	63	55	73	61	53	67	58	51	40
2.00	83	72	63	80	69	62	73	65	59	46
2.50	88	77	69	84	75	67	77	70	63	50
3.00	91	82	75	87	79	72	80	73	68	54
4.00	96	88	82	92	85	79	84	78	74	58
5.00	99	92	86	95	89	83	86	82	77	61
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:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

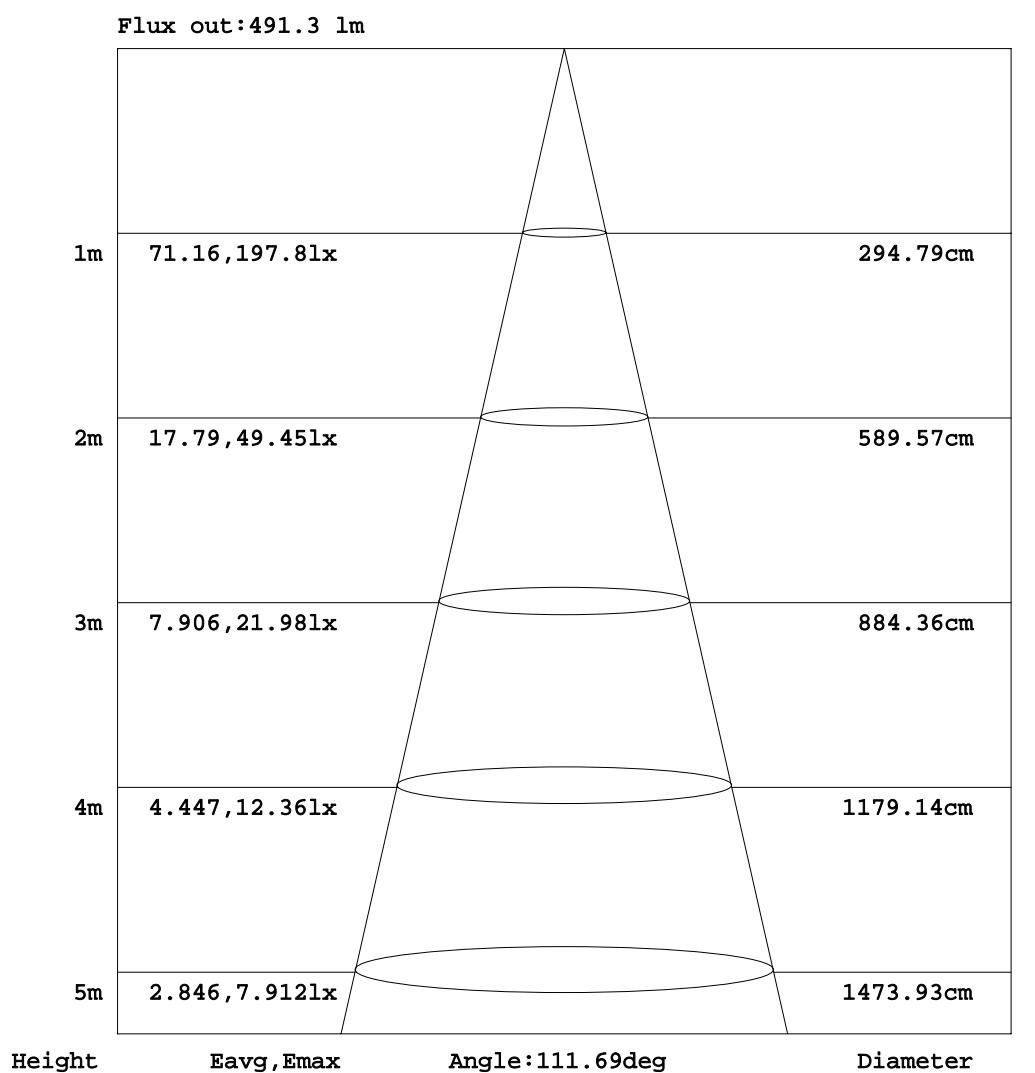


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.1DEG
Operators: Hill
Test Date: 2019-12-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: GO-R5000_V2 SYSTEM V2.0.351
Humidity: 44%
Test Distance: 2.485m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A



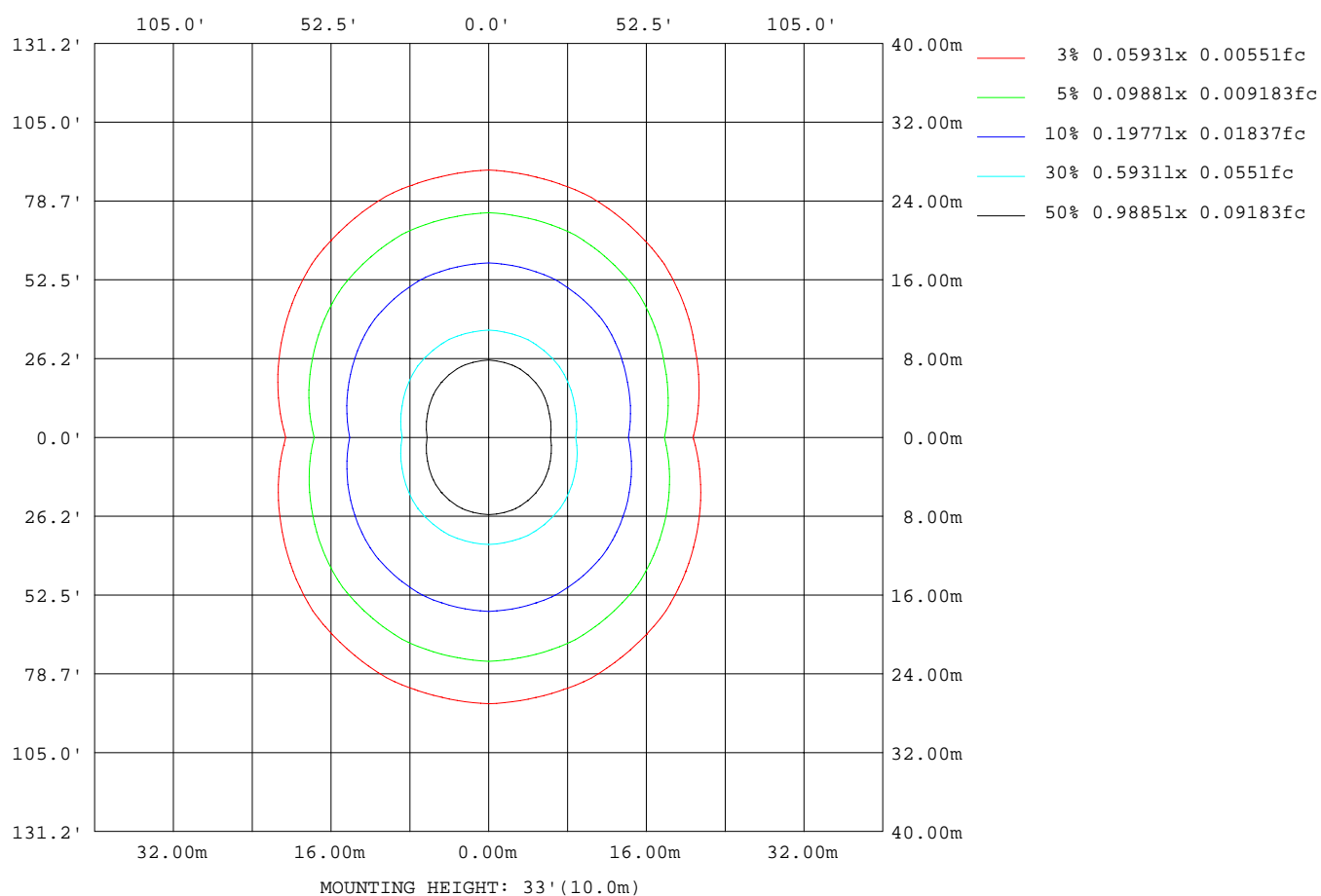
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:N/A	Shielding Angle:N/A

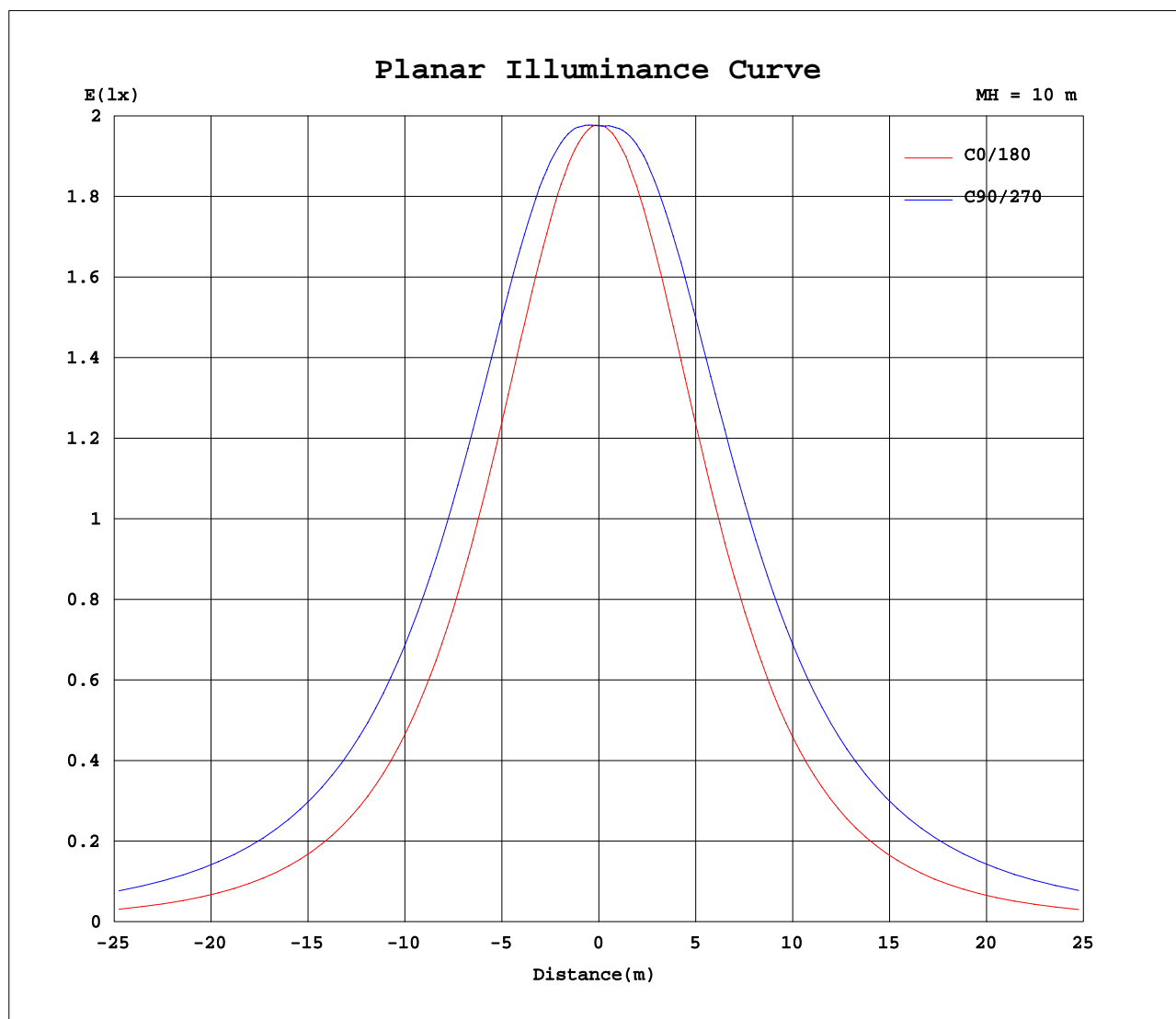
AvgL	cd/m2
L_0~180(65)av	1634024
L_0~180(75)av	1343239
L_0~180(85)av	668011
L_90~270(65)av	3668933
L_90~270(75)av	4934122
L_90~270(85)av	11784277
L_45(65)av	3004046
L_45(75)av	3773595
L_45(85)av	8153459

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.1DEG
 Operators:Hill
 Test Date:2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.485m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 25.1DEG
 Operators: Hill
 Test Date: 2019-12-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 44%
 Test Distance: 2.485m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1247A P:14.14W PF:0.9455 Lamp Flux:1060.79x1 lm		
NAME: LED Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	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	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198			
5	197	197	199	200	200	200	198	197	197	197	198	199	199	199	198	197			
10	194	196	200	203	204	203	200	196	194	195	199	202	203	202	199	195			
15	190	194	200	206	207	205	200	193	189	193	200	205	207	205	199	192			
20	183	190	200	207	209	207	199	190	183	189	199	206	209	206	198	188			
25	176	185	198	207	210	207	197	184	175	184	197	207	209	206	196	183			
30	167	179	195	205	209	205	194	178	166	178	194	205	208	204	192	176			
35	156	171	189	202	206	201	188	170	155	170	189	202	206	201	187	168			
40	144	162	183	196	201	196	182	160	143	161	182	197	201	195	180	159			
45	131	152	175	189	194	189	173	150	130	150	174	190	195	189	172	148			
50	117	140	165	181	186	180	164	138	116	138	165	182	187	180	163	136			
55	102	127	154	171	177	171	152	125	101	125	154	172	178	171	152	123			
60	86.5	113	142	160	166	159	140	111	84.7	112	142	161	168	160	139	109			
65	70.0	98.4	128	148	154	147	126	95.9	68.1	96.9	128	149	156	148	126	94.6			
70	52.5	82.6	114	134	141	133	112	80.1	51.1	81.4	113	135	143	133	111	79.1			
75	35.5	66.4	98.8	120	127	119	96.7	63.8	34.1	65.4	98.6	121	128	119	96.6	63.0			
80	19.3	50.6	84.3	106	114	105	82.2	48.0	18.1	50.1	84.0	107	114	105	82.0	47.6			
85	6.37	37.9	72.5	95.2	103	94.3	70.5	35.2	5.27	37.3	71.7	94.7	102	93.3	69.6	34.6			
90	0.19	32.2	67.0	89.8	97.6	88.9	65.2	29.9	0.14	31.4	65.1	87.5	95.1	86.1	62.8	28.4			
95	0.13	31.3	65.6	88.0	95.6	87.1	63.8	29.0	0.11	30.6	63.7	85.7	93.0	84.2	61.4	27.6			
100	0.11	29.4	63.6	85.5	92.9	84.7	61.5	27.1	0.10	29.1	61.9	83.2	90.4	81.8	59.6	26.1			
105	0.12	26.3	59.9	82.0	89.2	81.0	58.2	23.8	0.13	26.5	59.1	80.1	87.0	78.8	56.7	23.5			
110	0.13	22.4	55.5	77.2	84.2	76.2	53.8	20.1	0.16	23.1	55.3	75.6	82.3	74.4	52.9	20.2			
115	0.15	18.4	50.1	71.2	78.0	70.3	48.4	16.7	0.20	19.5	50.6	70.3	76.8	69.2	48.2	16.8			
120	0.17	16.5	43.9	64.2	70.8	63.1	42.4	15.3	0.24	17.0	45.0	64.0	70.2	62.9	42.7	15.1			
125	0.20	15.1	37.6	56.3	62.7	55.4	36.3	14.0	0.28	15.5	39.0	57.0	62.9	56.0	36.8	13.7			
130	0.25	13.7	31.2	48.4	54.1	47.6	30.2	12.6	0.31	13.9	32.9	49.4	55.0	48.5	31.0	12.3			
135	0.31	12.1	27.0	40.4	45.5	39.7	26.5	11.2	0.34	12.1	27.4	41.6	46.8	41.0	26.4	11.1			
140	0.38	10.5	23.8	33.1	37.1	32.8	23.4	9.69	0.36	10.1	23.7	33.7	38.5	33.7	23.5	10.1			
145	0.45	8.78	20.5	28.6	31.4	28.3	20.2	8.14	0.38	7.69	19.7	28.1	31.4	28.9	20.9	9.34			
150	0.52	7.03	17.1	24.1	26.4	23.9	16.8	6.53	0.41	5.10	15.2	22.9	26.3	24.8	18.4	8.85			
155	0.58	5.30	13.5	19.4	21.4	19.2	13.3	5.01	0.44	2.75	10.6	17.5	21.0	20.5	15.8	8.32			
160	0.61	3.70	9.89	14.5	16.1	14.4	9.72	3.48	0.46	1.24	6.32	12.1	15.5	15.8	12.7	7.34			
165	0.60	2.30	6.36	9.63	10.8	9.58	6.21	2.00	0.45	0.57	3.14	7.36	10.2	10.7	8.97	5.46			
170	0.56	0.92	3.20	5.02	5.77	5.03	2.54	1.02	0.43	0.45	1.21	2.94	5.47	5.94	5.07	3.21			
175	0.53	0.53	0.80	1.55	1.81	1.08	0.85	0.62	0.47	0.47	0.68	0.93	1.26	2.15	1.85	0.97			
180	0.58	0.55	0.44	0.37	0.31	0.35	0.45	0.55	0.57	0.57	0.55	0.50	0.42	0.40	0.45	0.49			

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