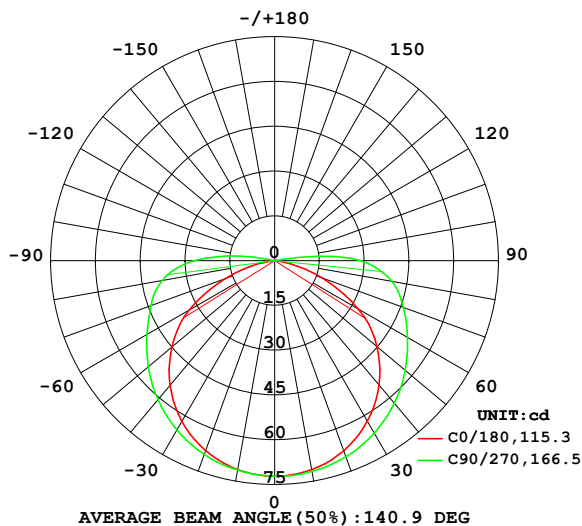


LUMINAIRE PHOTOMETRIC TEST REPORT

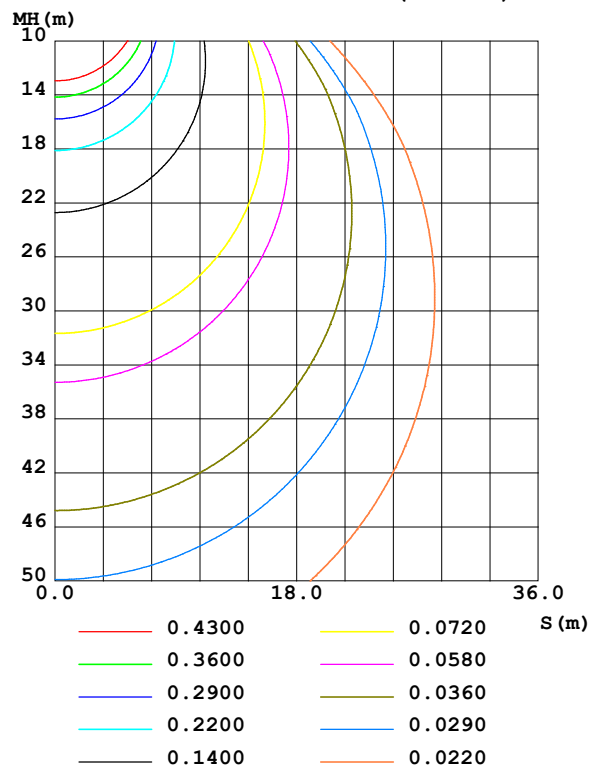
NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.79 lm/W
MODEL	W 6500K RA90	I _{max} (cd)	72.23	S/MH(C0/180)	1.28	
NOMINAL POWER(W)	3.2	LOR(%)	100.0	S/MH(C90/270)	1.36	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	283.82	η UP,DN(C0-180)	1.8,48.8	
NOMINAL FLUX(lm)	0.337886	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.9,47.5	
LAMPS INSIDE	840	η up (%)	3.7	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	96.3	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: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-08-18

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [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	71.10	71.41	71.69	71.41	71.10	71.12	71.26	71.12	0- 10	6.848	6.848	2.41,2.41
20	67.74	68.84	69.88	68.87	67.72	68.30	69.07	68.30	10- 20	19.82	26.67	9.4,9.4
30	62.12	64.65	66.74	64.73	62.15	63.83	65.49	63.82	20- 30	30.73	57.39	20.2,20.2
40	54.42	58.88	62.37	59.04	54.51	57.80	60.83	57.77	30- 40	38.44	95.83	33.8,33.8
50	44.75	51.91	57.09	52.15	44.91	50.63	55.29	50.58	40- 50	42.25	138.1	48.7,48.7
60	32.25	44.17	51.42	44.48	33.14	42.68	49.38	42.63	50- 60	41.97	180.1	63.4,63.4
70	16.77	36.59	45.92	36.90	17.56	34.98	44.08	35.01	60- 70	37.96	218.0	76.8,76.8
80	3.234	29.44	39.85	29.88	3.782	28.68	38.26	28.77	70- 80	31.78	249.8	88,88
90	0.0525	18.45	28.86	18.40	0.0473	17.96	27.07	17.74	80- 90	23.55	273.3	96.3,96.3
100	0.0446	0.1564	3.295	0.1568	0.0630	0.2748	6.854	1.972	90-100	9.386	282.7	99.6,99.6
110	0.0577	0.1340	0.1758	0.1261	0.0893	0.1260	0.1443	0.1208	100-110	0.4472	283.2	99.8,99.8
120	0.0892	0.1339	0.1635	0.1261	0.1129	0.1418	0.1522	0.1365	110-120	0.1451	283.3	99.8,99.8
130	0.1155	0.1339	0.1656	0.1260	0.1392	0.1575	0.1632	0.1523	120-130	0.1219	283.4	99.9,99.9
140	0.1391	0.1391	0.1677	0.1444	0.1654	0.1707	0.1732	0.1680	130-140	0.1153	283.6	99.9,99.9
150	0.1601	0.1601	0.1697	0.1627	0.1838	0.1890	0.1837	0.1864	140-150	0.1041	283.7	99.9,99.9
160	0.1785	0.1785	0.1784	0.1785	0.1999	0.2001	0.1998	0.2001	150-160	0.0840	283.8	100,100
170	0.1916	0.1916	0.1915	0.1916	0.2015	0.2016	0.2014	0.2016	160-170	0.0545	283.8	100,100
180	0.2022	0.2021	0.2021	0.2021	0.2022	0.2021	0.2021	0.2021	170-180	0.0190	283.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 120.99 lm

%lum = 42.6%

%lamp = 42.6%

Conical surface Flux(130deg): 203.49 lm

%lum = 71.7%

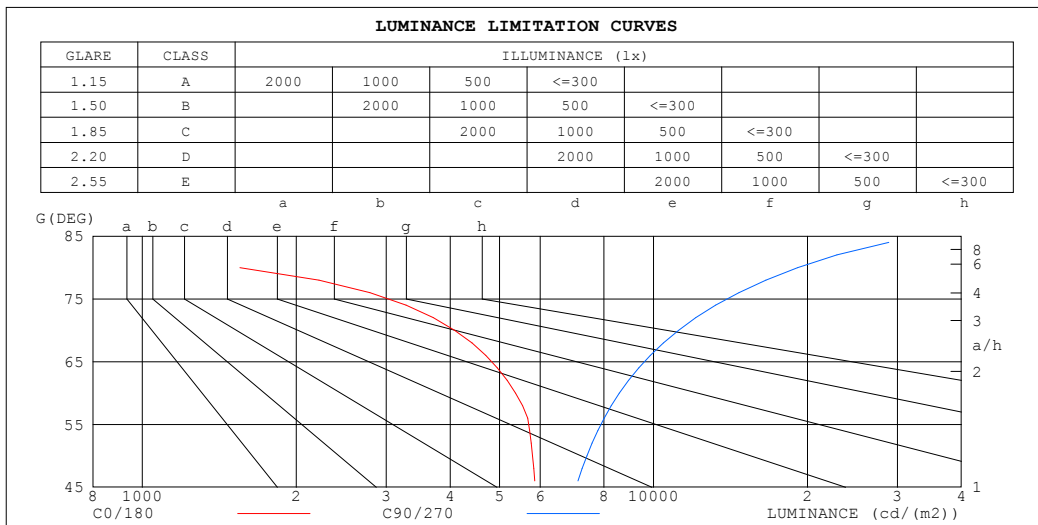
%lamp = 71.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-08-18

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	67	34604
80	1552	19131
75	3494	14089
70	4084	11192
65	5129	9702
60	5374	8573
55	5865	7967
50	5800	7403
45	5980	7113

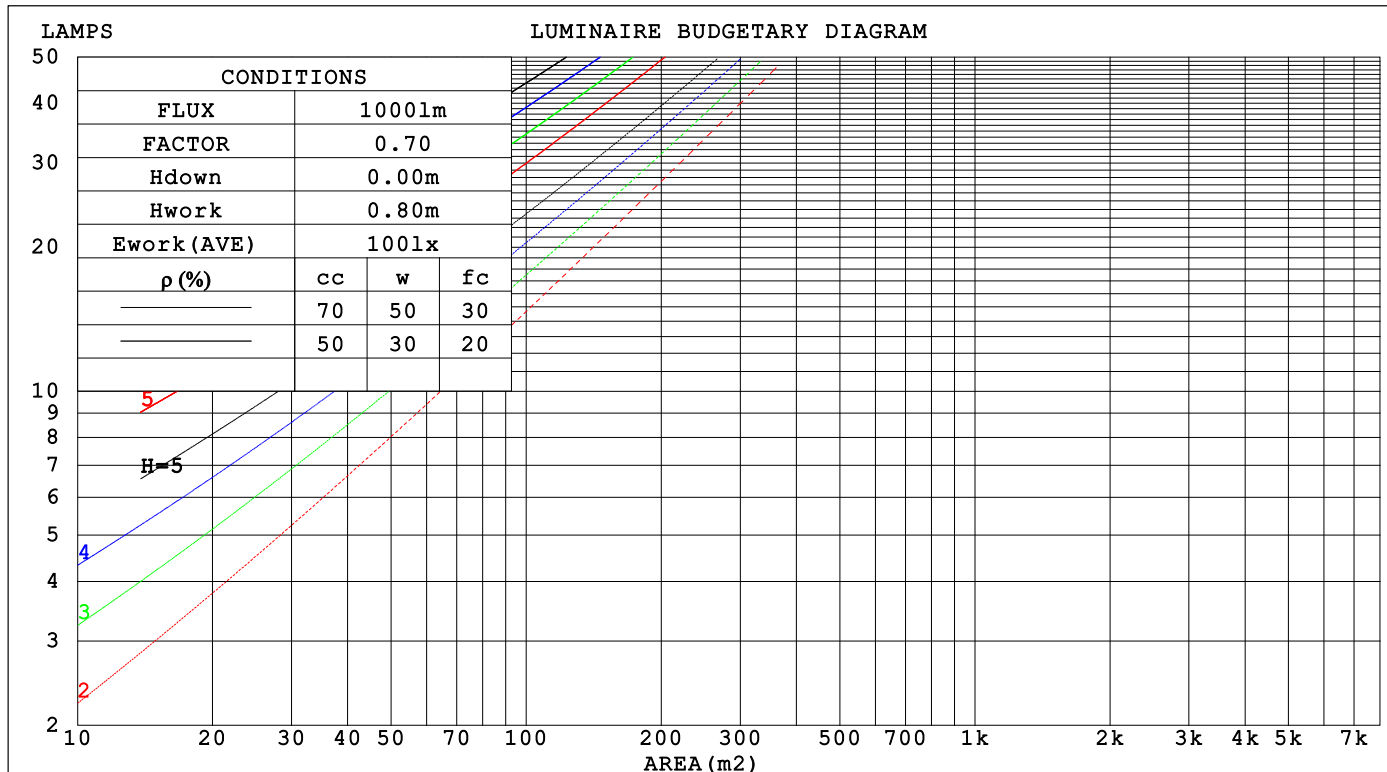
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-08-18

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 γ Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.96														
1.0	.98	.93	.87	.95	.90	.86	.90	.86	.82	.86	.82	.79	.81	.79	.76	.73														
2.0	.84	.75	.69	.81	.74	.67	.77	.71	.65	.73	.68	.63	.69	.65	.61	.58														
3.0	.72	.63	.56	.71	.62	.55	.67	.59	.53	.63	.57	.52	.60	.55	.50	.48														
4.0	.64	.54	.46	.62	.53	.46	.59	.51	.45	.56	.49	.44	.53	.47	.43	.40														
5.0	.56	.47	.39	.55	.46	.39	.52	.44	.38	.50	.43	.37	.48	.41	.36	.34														
6.0	.51	.41	.34	.49	.40	.34	.47	.39	.33	.45	.38	.32	.43	.37	.32	.29														
7.0	.46	.36	.30	.45	.36	.29	.43	.35	.29	.41	.34	.28	.39	.33	.28	.26														
8.0	.41	.32	.26	.41	.32	.26	.39	.31	.26	.37	.30	.25	.36	.30	.25	.23														
9.0	.38	.29	.23	.37	.29	.23	.36	.28	.23	.34	.28	.23	.33	.27	.22	.20														
10.0	.35	.27	.21	.34	.26	.21	.33	.26	.21	.32	.25	.20	.31	.25	.20	.18														



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-08-18

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	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	.403	.229	.073	.395	.225	.072	.379	.217	.069	.364	.210	.067	.351	.203	.066		
2.0	.348	.191	.059	.341	.188	.058	.327	.182	.056	.313	.176	.055	.301	.170	.054		
3.0	.309	.164	.049	.302	.162	.049	.289	.157	.048	.278	.152	.047	.267	.148	.046		
4.0	.277	.144	.042	.271	.142	.042	.260	.138	.041	.249	.134	.040	.240	.130	.040		
5.0	.251	.128	.037	.246	.126	.037	.236	.123	.036	.227	.120	.036	.218	.116	.035		
6.0	.230	.115	.033	.225	.114	.033	.216	.111	.032	.208	.108	.032	.200	.105	.031		
7.0	.212	.105	.030	.207	.103	.029	.199	.101	.029	.192	.098	.029	.185	.096	.028		
8.0	.196	.096	.027	.192	.095	.027	.185	.092	.026	.178	.090	.026	.172	.088	.026		
9.0	.183	.088	.025	.179	.087	.024	.172	.085	.024	.166	.083	.024	.160	.081	.024		
10.0	.171	.082	.023	.168	.081	.023	.162	.079	.022	.156	.077	.022	.151	.076	.022		

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	.219	.219	.219	.187	.187	.187	.128	.128	.128	.073	.073	.073	.023	.023	.023		
1.0	.215	.184	.155	.184	.158	.134	.126	.108	.092	.072	.063	.054	.023	.020	.017		
2.0	.208	.160	.120	.178	.138	.103	.122	.095	.072	.071	.055	.042	.023	.018	.014		
3.0	.201	.143	.098	.172	.124	.085	.118	.086	.059	.068	.050	.035	.022	.016	.011		
4.0	.193	.130	.083	.165	.113	.072	.114	.079	.051	.066	.046	.030	.021	.015	.010		
5.0	.185	.120	.073	.158	.104	.063	.109	.073	.045	.063	.043	.027	.020	.014	.009		
6.0	.177	.112	.066	.152	.097	.057	.105	.068	.041	.061	.040	.024	.020	.013	.008		
7.0	.169	.105	.061	.146	.091	.053	.101	.064	.037	.058	.038	.022	.019	.012	.007		
8.0	.162	.100	.057	.140	.086	.049	.097	.061	.035	.056	.036	.021	.018	.012	.007		
9.0	.156	.095	.053	.134	.082	.047	.093	.058	.033	.054	.034	.020	.018	.011	.007		
10.0	.150	.090	.051	.129	.078	.044	.090	.055	.032	.052	.033	.019	.017	.011	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-08-18

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: LY840-CSPRGBTW-W24-16W-12MM					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.:					SUR.: 0.012*1					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					22.8	24.4	23.1	24.7	25.0	24.6	26.2	24.9	26.4	26.7
3H					24.2	25.7	24.6	26.0	26.4	27.3	28.8	27.7	29.1	29.4
4H					24.7	26.1	25.1	26.5	26.8	28.9	30.3	29.2	30.6	31.0
6H					24.9	26.3	25.3	26.7	27.0	30.6	31.9	31.0	32.3	32.6
8H					25.0	26.3	25.4	26.6	27.0	31.5	32.8	31.9	33.1	33.5
12H					24.9	26.2	25.3	26.6	27.0	32.5	33.8	32.9	34.1	34.5
4H 2H					23.9	25.4	24.3	25.7	26.0	25.2	26.6	25.6	27.0	27.3
3H					25.7	27.0	26.1	27.4	27.8	28.2	29.5	28.6	29.9	30.3
4H					26.5	27.7	26.9	28.1	28.5	30.0	31.1	30.4	31.5	32.0
6H					27.0	28.1	27.5	28.5	29.0	31.9	33.0	32.4	33.4	33.8
8H					27.1	28.1	27.6	28.6	29.0	32.9	33.9	33.4	34.4	34.8
12H					27.2	28.1	27.7	28.6	29.1	34.1	35.0	34.6	35.5	36.0
8H 4H					27.7	28.7	28.1	29.1	29.6	30.4	31.4	30.9	31.8	32.3
6H					28.7	29.5	29.2	30.0	30.5	32.6	33.5	33.1	33.9	34.5
8H					29.1	29.8	29.6	30.3	30.9	33.9	34.6	34.4	35.1	35.7
12H					29.4	30.0	29.9	30.6	31.1	35.3	35.9	35.8	36.5	37.0
12H 4H					28.0	29.0	28.5	29.4	29.9	30.4	31.3	30.9	31.8	32.3
6H					29.3	30.1	29.8	30.6	31.1	32.8	33.5	33.3	34.0	34.6
8H					29.9	30.6	30.5	31.1	31.7	34.1	34.8	34.7	35.3	35.9
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H					+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H					+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 283.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.4)
Area: 0.012 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-08-18

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:6.040m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

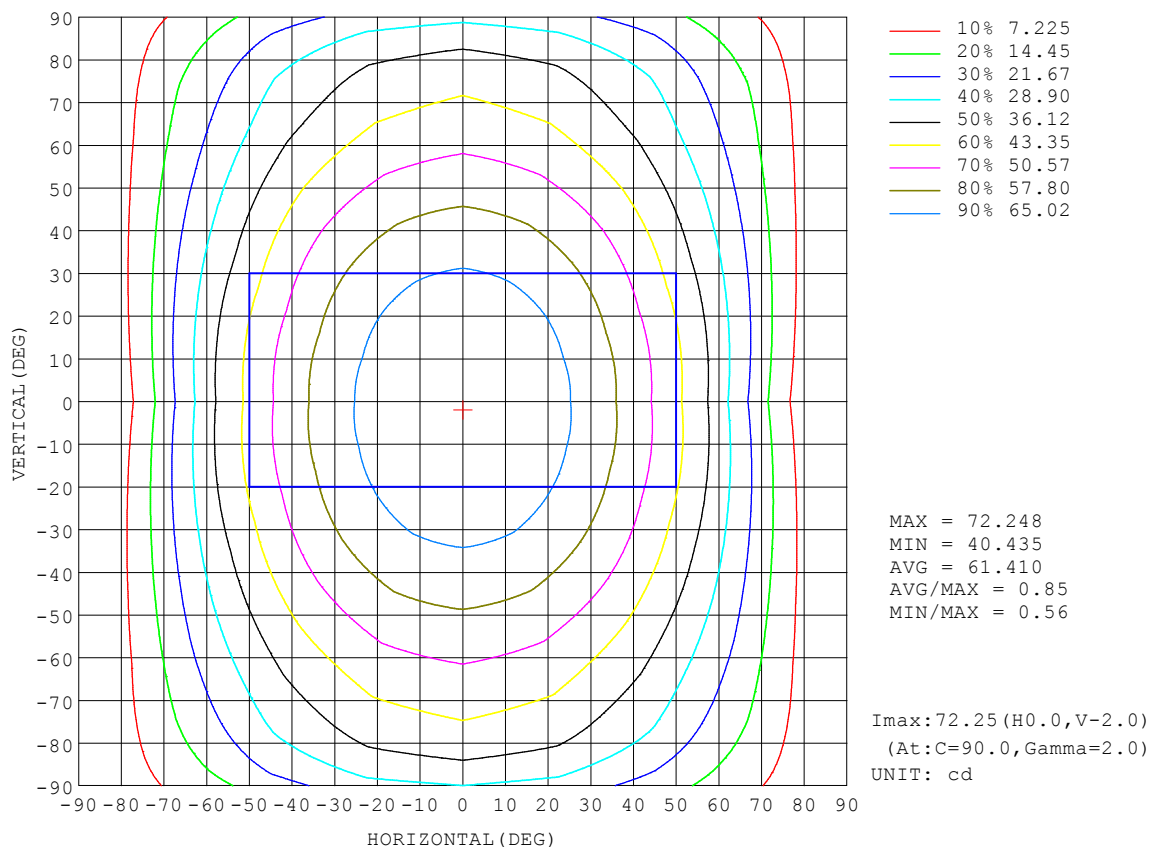
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	31	51	39	31	49	38	31	24
0.80	61	48	40	60	47	40	58	46	39	32
1.00	69	56	48	67	55	47	65	57	47	39
1.25	76	63	55	74	62	54	71	61	54	45
1.50	81	69	60	79	68	60	75	66	59	50
2.00	88	77	69	86	76	68	82	73	67	57
2.50	92	82	75	90	81	74	85	78	72	62
3.00	96	87	80	93	85	79	89	82	76	66
4.00	101	93	87	98	91	85	93	87	82	72
5.00	104	97	91	101	95	90	95	91	86	75
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: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-08-18

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

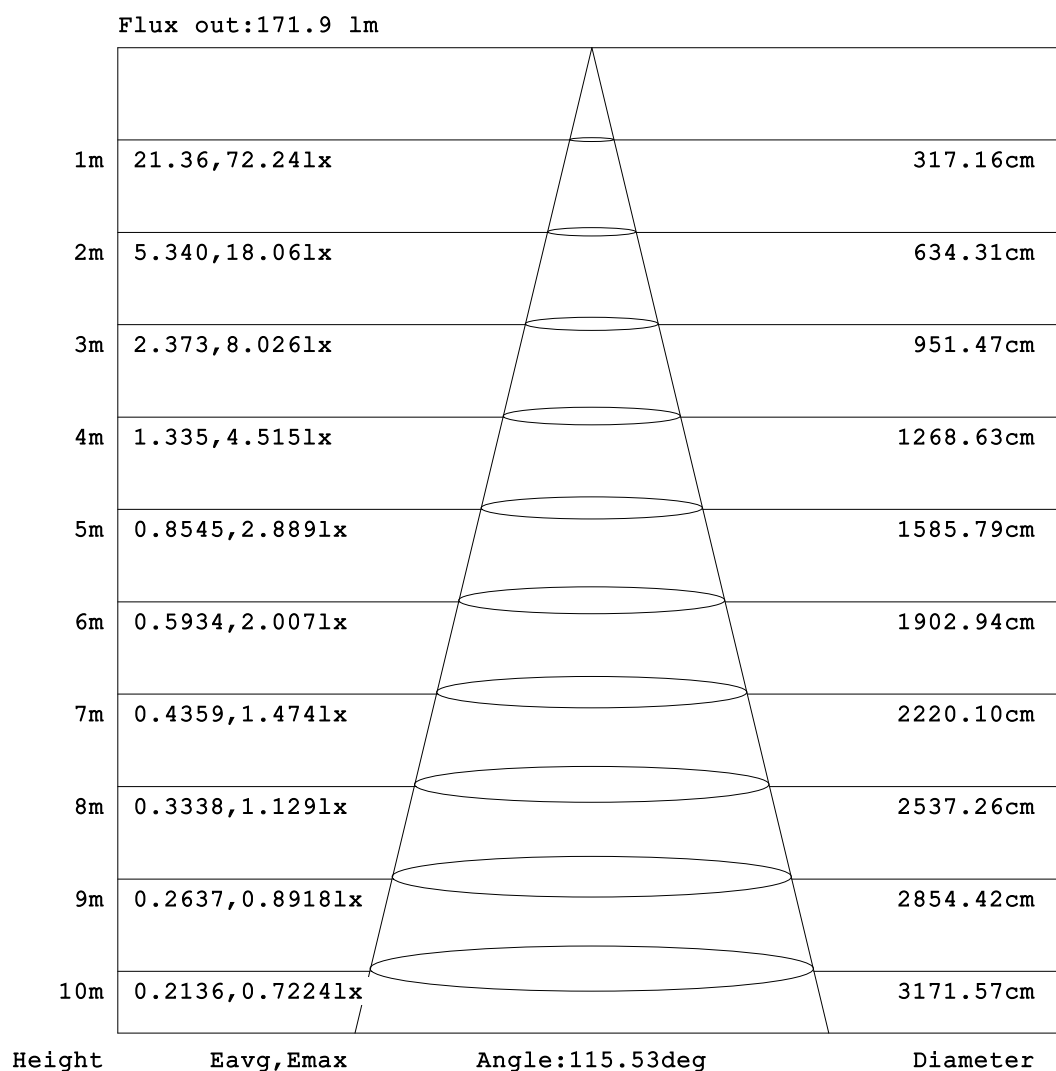


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-08-18

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

AAI Figure

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



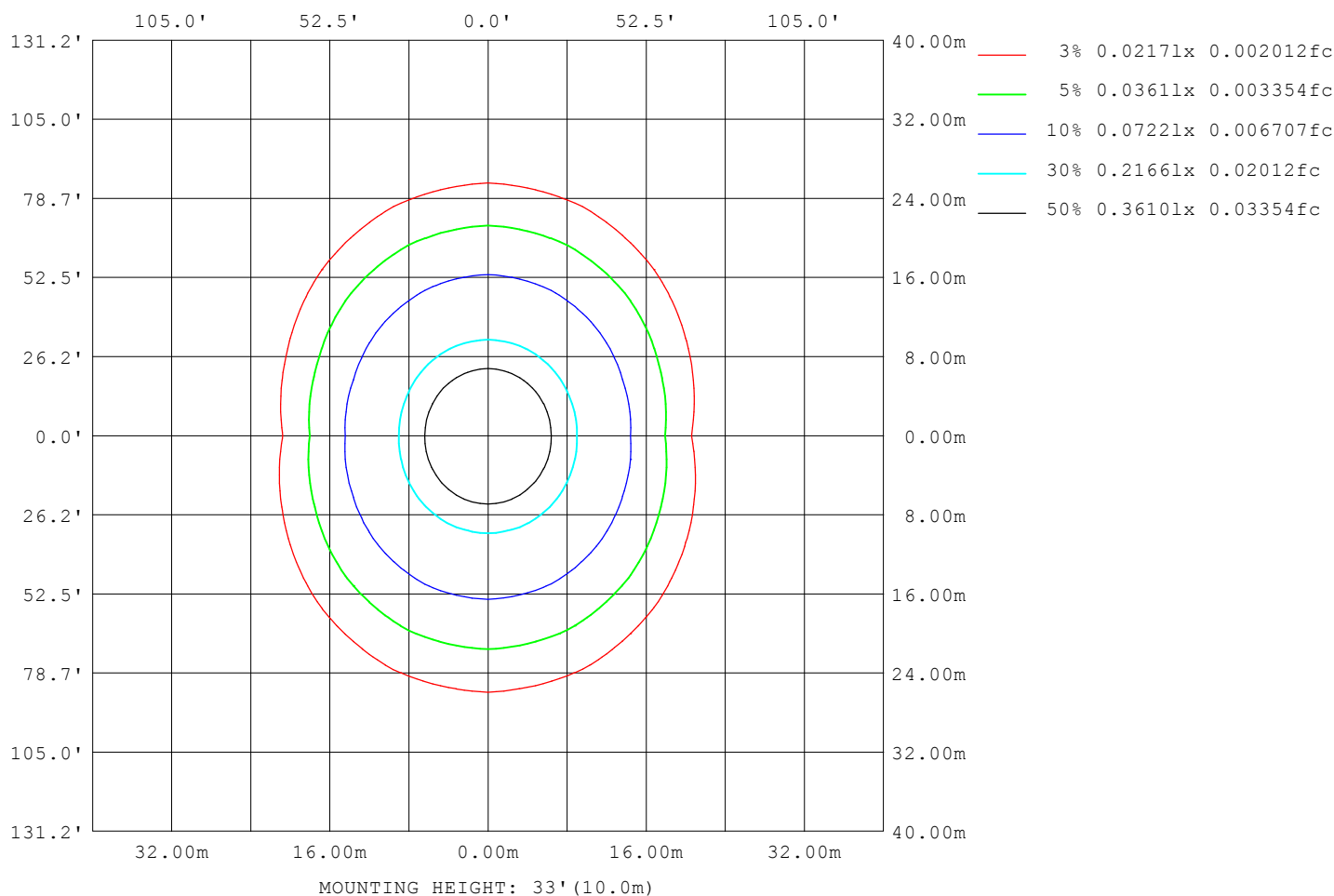
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-08-18

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity:65.0%
 Test Distance:6.040m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-08-18

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

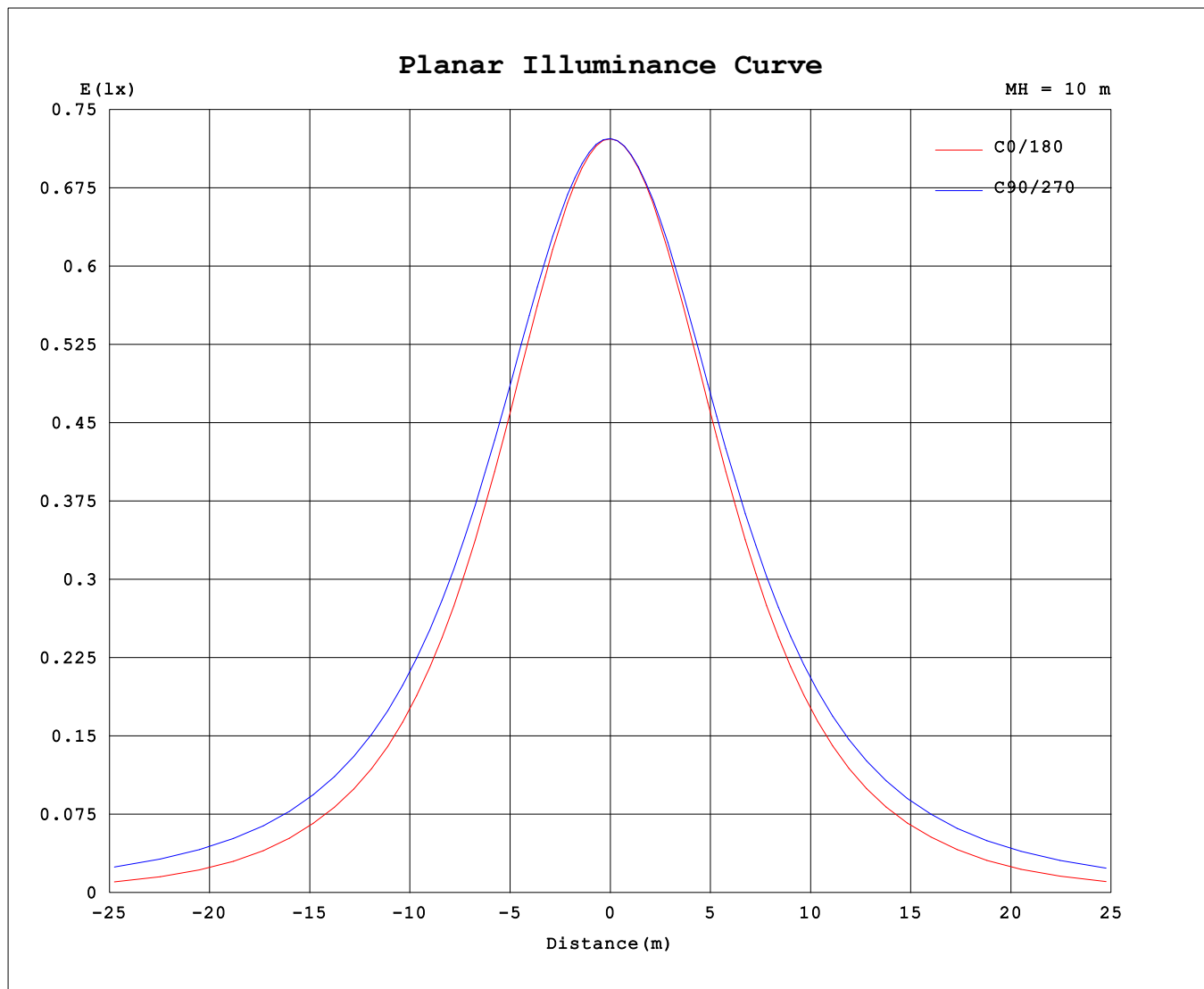
AvgL	cd/m2
L_0~180 (65) av	4912
L_0~180 (75) av	3153
L_0~180 (85) av	0
L_90~270 (65) av	9385
L_90~270 (75) av	13654
L_90~270 (85) av	32842
L_45 (65) av	7803
L_45 (75) av	10474
L_45 (85) av	23449

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-08-18

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 6.040m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-08-18

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 6.040m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	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	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2			
5	72.1	72.1	72.1	72.1	72.2	72.2	72.1	72.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0			
10	71.1	71.2	71.4	71.6	71.7	71.6	71.4	71.2	71.1	71.0	71.1	71.2	71.3	71.2	71.1	71.1			
15	70.0	70.3	70.6	71.0	71.1	71.0	70.6	70.2	70.0	70.0	70.2	70.4	70.6	70.4	70.2	70.0			
20	67.7	68.1	68.8	69.6	69.9	69.6	68.9	68.1	67.7	67.7	68.3	68.8	69.1	68.8	68.3	67.8			
25	65.7	66.3	67.4	68.4	68.8	68.4	67.4	66.3	65.8	65.8	66.7	67.4	67.8	67.4	66.7	65.9			
30	62.1	63.0	64.7	66.2	66.7	66.2	64.7	63.0	62.1	62.4	63.8	65.0	65.5	65.0	63.8	62.5			
35	59.3	60.4	62.5	64.4	65.1	64.5	62.6	60.5	59.3	59.8	61.6	63.1	63.8	63.1	61.6	59.8			
40	54.4	56.0	58.9	61.4	62.4	61.6	59.0	56.1	54.5	55.3	57.8	59.9	60.8	59.9	57.8	55.3			
45	50.8	52.8	56.2	59.2	60.3	59.4	56.4	52.9	50.9	52.0	55.0	57.6	58.7	57.6	55.0	52.0			
50	44.8	47.4	51.9	55.7	57.1	55.9	52.2	47.6	44.9	46.5	50.6	53.9	55.3	53.9	50.6	46.5			
55	40.4	43.6	48.9	53.2	54.8	53.4	49.1	43.8	40.6	42.6	47.5	51.4	52.9	51.3	47.5	42.6			
60	32.2	37.5	44.2	49.5	51.4	49.7	44.5	37.8	33.1	36.4	42.7	47.5	49.4	47.4	42.6	36.4			
65	26.0	33.4	41.1	47.0	49.2	47.3	41.4	33.6	26.9	32.2	39.5	45.0	47.1	44.9	39.4	32.2			
70	16.8	27.1	36.6	43.5	45.9	43.7	36.9	27.4	17.6	25.9	35.0	41.6	44.1	41.6	35.0	26.0			
75	10.9	23.2	33.7	41.2	43.7	41.4	34.1	23.5	11.6	21.9	32.4	39.7	42.1	39.6	32.5	22.0			
80	3.23	17.8	29.4	37.3	39.9	37.5	29.9	18.0	3.78	16.8	28.7	35.8	38.3	35.7	28.8	17.1			
85	0.07	14.5	25.8	33.6	36.2	33.8	26.3	14.7	0.13	14.1	25.2	32.2	34.6	32.0	25.1	14.4			
90	0.05	8.27	18.5	26.3	28.9	26.6	18.4	8.36	0.05	7.83	18.0	24.6	27.1	24.3	17.7	7.80			
95	0.04	0.57	10.3	18.1	20.6	18.7	11.0	1.53	0.05	1.86	11.1	17.3	19.6	16.9	10.7	1.42			
100	0.04	0.08	0.16	1.38	3.29	2.02	0.16	0.08	0.06	0.08	0.27	4.52	6.85	4.06	1.97	0.08			
105	0.04	0.08	0.13	0.18	0.20	1.60	0.13	0.09	0.08	0.08	0.12	0.15	0.29	0.15	1.05	0.08			
110	0.06	0.10	0.13	0.17	0.18	0.98	0.13	0.10	0.09	0.08	0.13	0.14	0.14	0.15	0.12	0.08			
115	0.07	0.11	0.13	0.17	0.17	0.57	0.13	0.11	0.10	0.08	0.13	0.14	0.14	0.14	0.13	0.09			
120	0.09	0.12	0.13	0.16	0.16	0.15	0.13	0.12	0.11	0.10	0.14	0.14	0.15	0.14	0.14	0.10			
125	0.10	0.13	0.13	0.16	0.16	0.16	0.13	0.13	0.12	0.11	0.15	0.14	0.16	0.14	0.14	0.11			
130	0.12	0.14	0.13	0.15	0.17	0.16	0.13	0.15	0.14	0.12	0.16	0.14	0.16	0.13	0.15	0.12			
135	0.12	0.15	0.13	0.16	0.17	0.16	0.13	0.15	0.15	0.13	0.16	0.15	0.17	0.14	0.16	0.13			
140	0.14	0.16	0.14	0.17	0.17	0.17	0.14	0.17	0.17	0.14	0.17	0.15	0.17	0.14	0.17	0.14			
145	0.15	0.18	0.15	0.17	0.17	0.18	0.15	0.18	0.17	0.15	0.18	0.15	0.18	0.15	0.18	0.15			
150	0.16	0.18	0.16	0.18	0.17	0.19	0.16	0.19	0.18	0.16	0.19	0.17	0.18	0.16	0.19	0.16			
155	0.17	0.19	0.17	0.19	0.17	0.19	0.17	0.20	0.19	0.17	0.19	0.17	0.19	0.17	0.19	0.17			
160	0.18	0.20	0.18	0.20	0.18	0.19	0.18	0.20	0.20	0.18	0.20	0.18	0.20	0.18	0.20	0.18			
165	0.18	0.20	0.19	0.20	0.18	0.20	0.19	0.20	0.20	0.18	0.20	0.19	0.20	0.18	0.20	0.18			
170	0.19	0.20	0.19	0.20	0.19	0.20	0.19	0.20	0.20	0.19	0.20	0.19	0.20	0.19	0.20	0.19			
175	0.19	0.20	0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.19	0.20	0.19	0.20	0.20	0.20	0.20			
180	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20			

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