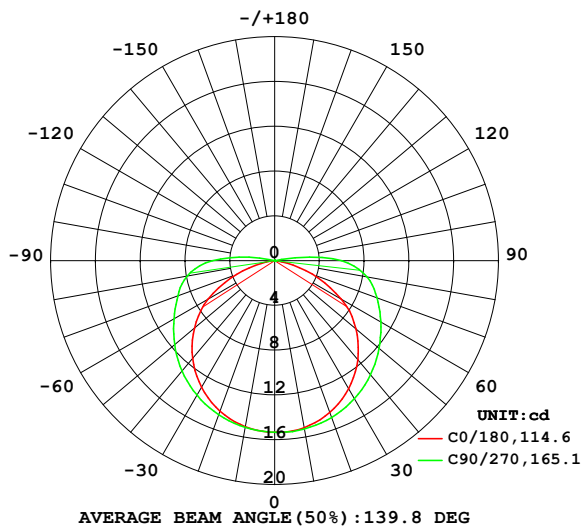


## LUMINAIRE PHOTOMETRIC TEST REPORT

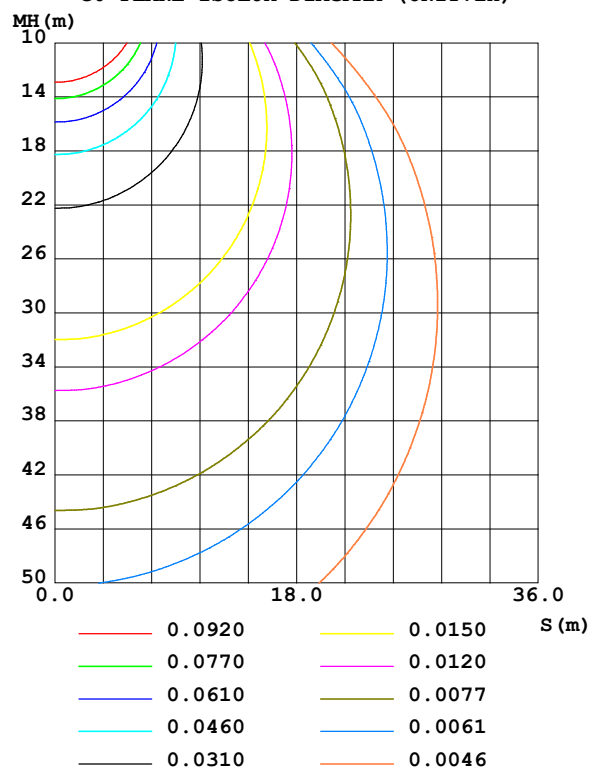
NAME: LY840-CSPRGBTW-W24-16W-12MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.012*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 17.66 lm/W
MODEL	B	I <sub>max</sub> (cd)	15.35	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	3.2	LOR(%)	100.0	S/MH(C90/270)	1.35	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	59.719	η UP,DN(C0-180)	1.7,49.1	
NOMINAL FLUX(lm)	0.0710939	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.7,47.5	
LAMPS INSIDE	840	η up (%)	3.4	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	96.6	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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	15.15	15.23	15.27	15.18	15.07	15.07	15.12	15.11	0- 10	1.455	1.455	2.44,2.44
20	14.42	14.70	14.91	14.61	14.30	14.43	14.64	14.51	10- 20	4.210	5.666	9.49,9.49
30	13.22	13.81	14.24	13.69	13.07	13.44	13.88	13.55	20- 30	6.520	12.19	20.4,20.4
40	11.56	12.59	13.32	12.45	11.40	12.13	12.87	12.26	30- 40	8.144	20.33	34,34
50	9.482	11.10	12.18	10.96	9.355	10.57	11.67	10.71	40- 50	8.933	29.26	49,49
60	6.862	9.444	10.95	9.308	6.866	8.870	10.39	9.007	50- 60	8.854	38.12	63.8,63.8
70	3.592	7.821	9.733	7.703	3.622	7.222	9.211	7.382	60- 70	7.990	46.11	77.2,77.2
80	0.6877	6.299	8.385	6.235	0.7823	5.896	7.940	6.045	70- 80	6.664	52.77	88.4,88.4
90	0	3.917	5.987	3.827	0	3.674	5.565	3.699	80- 90	4.913	57.68	96.6,96.6
100	0	0.0213	0.6603	0.0219	0.0026	0.0262	1.389	0.0157	90-100	1.928	59.61	99.8,99.8
110	0	0.0131	0.0262	0.0131	0.0079	0.0157	0.0157	0.0131	100-110	0.0520	59.66	99.9,99.9
120	0	0.0131	0.0184	0.0131	0.0131	0.0157	0.0157	0.0158	110-120	0.0126	59.68	99.9,99.9
130	0	0.0131	0.0184	0.0131	0.0131	0.0157	0.0157	0.0158	120-130	0.0116	59.69	99.9,99.9
140	0	0.0131	0.0184	0.0131	0.0131	0.0157	0.0157	0.0158	130-140	0.0100	59.70	100,100
150	0.0026	0.0131	0.0184	0.0131	0.0131	0.0157	0.0157	0.0158	140-150	0.0082	59.71	100,100
160	0.0079	0.0131	0.0184	0.0131	0.0131	0.0157	0.0157	0.0158	150-160	0.0063	59.71	100,100
170	0.0105	0.0131	0.0184	0.0131	0.0131	0.0157	0.0157	0.0158	160-170	0.0041	59.72	100,100
180	0.0131	0.0131	0.0184	0.0131	0.0131	0.0157	0.0157	0.0158	170-180	0.0014	59.72	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 25.651 lm

%lum = 43.0%

%lamp = 43.0%

Conical surface Flux(130deg): 43.053 lm

%lum = 72.1%

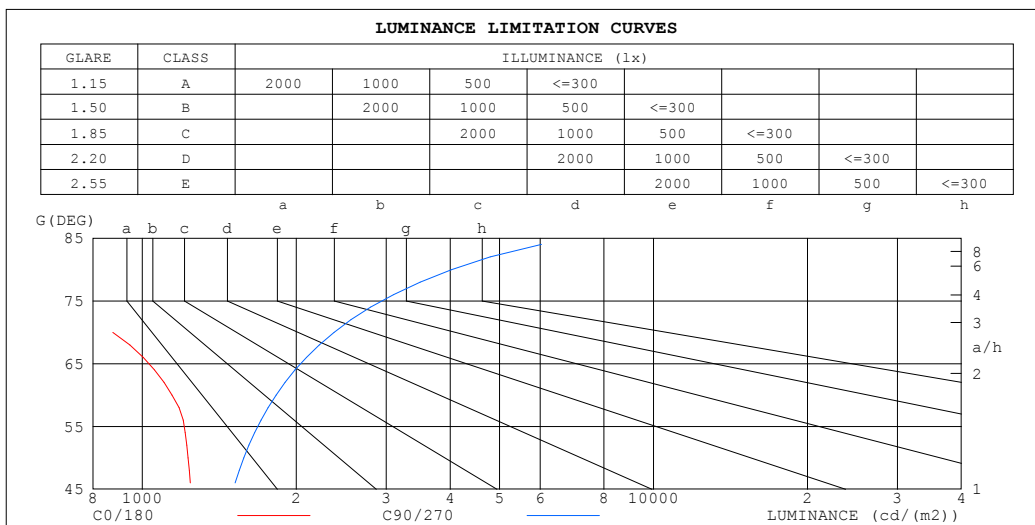
%lamp = 72.1%

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:



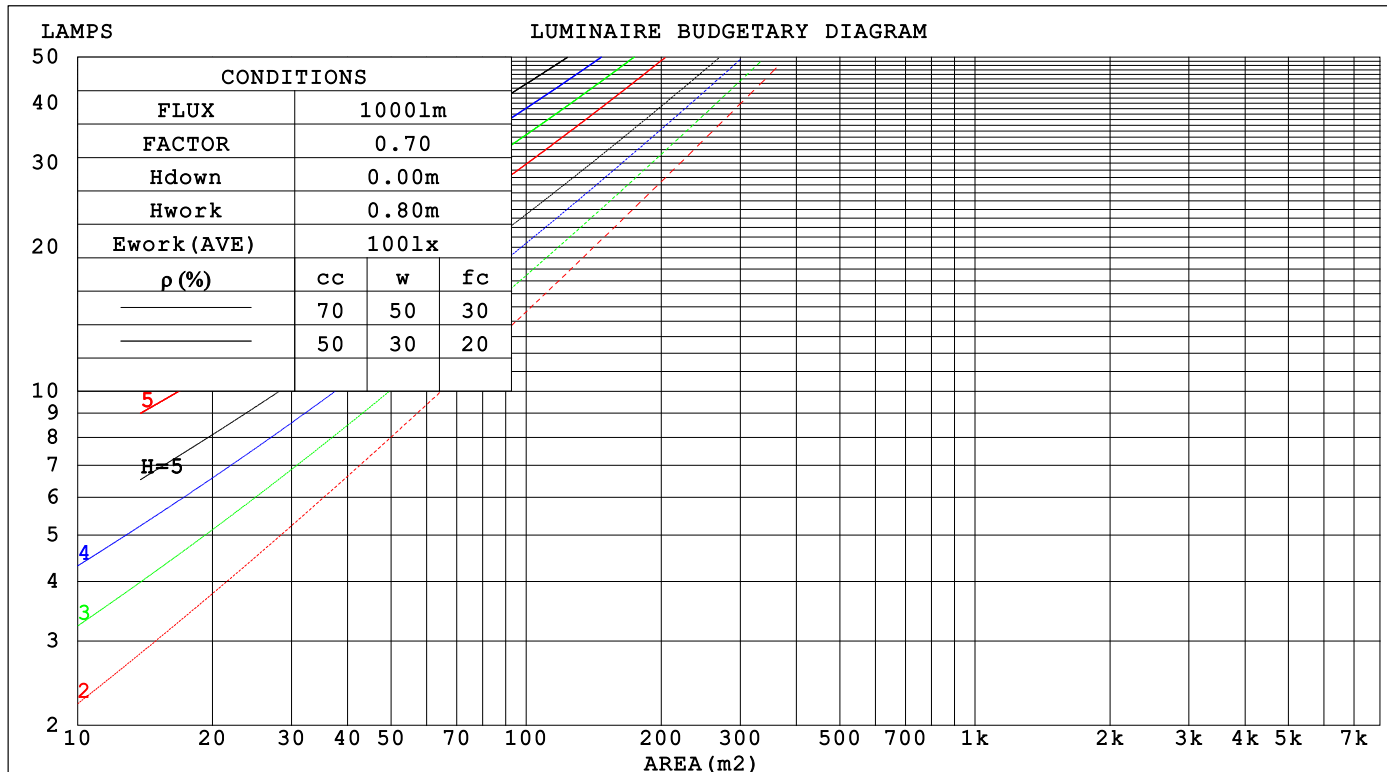
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-08-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
 $\gamma$  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
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	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	.97
1.0	.98	.93	.88	.96	.90	.86	.91	.86	.82	.86	.82	.79	.82	.79	.76	.74
2.0	.84	.76	.69	.82	.74	.68	.77	.71	.65	.73	.68	.63	.70	.65	.61	.59
3.0	.73	.63	.56	.71	.62	.55	.67	.60	.53	.64	.57	.52	.61	.55	.51	.48
4.0	.64	.54	.46	.62	.53	.46	.59	.51	.45	.56	.49	.44	.54	.48	.43	.40
5.0	.57	.47	.39	.55	.46	.39	.53	.44	.38	.50	.43	.37	.48	.42	.37	.34
6.0	.51	.41	.34	.49	.40	.34	.47	.39	.33	.45	.38	.33	.43	.37	.32	.30
7.0	.46	.36	.30	.45	.36	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.26
8.0	.42	.33	.26	.41	.32	.26	.39	.31	.26	.38	.31	.25	.36	.30	.25	.23
9.0	.38	.29	.24	.37	.29	.23	.36	.28	.23	.35	.28	.23	.33	.27	.22	.21
10.0	.35	.27	.21	.34	.26	.21	.33	.26	.21	.32	.25	.21	.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	.402	.229	.072	.394	.225	.071	.378	.217	.069	.364	.210	.067	.350	.203	.065		
2.0	.348	.191	.058	.340	.187	.058	.326	.181	.056	.313	.176	.055	.301	.170	.054		
3.0	.308	.164	.049	.302	.161	.049	.289	.157	.048	.277	.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	.182	.088	.025	.179	.087	.024	.173	.085	.024	.166	.083	.024	.161	.082	.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	.216	.216	.216	.185	.185	.185	.126	.126	.126	.073	.073	.073	.023	.023	.023		
1.0	.213	.181	.153	.182	.156	.132	.125	.107	.091	.072	.062	.053	.023	.020	.017		
2.0	.206	.158	.118	.176	.136	.102	.121	.094	.071	.070	.055	.042	.022	.018	.014		
3.0	.198	.141	.095	.170	.122	.083	.117	.085	.058	.067	.049	.034	.022	.016	.011		
4.0	.190	.128	.081	.163	.111	.070	.112	.077	.049	.065	.045	.029	.021	.015	.010		
5.0	.182	.118	.071	.157	.102	.062	.108	.071	.043	.062	.042	.026	.020	.014	.009		
6.0	.174	.110	.064	.150	.095	.055	.103	.067	.039	.060	.039	.023	.019	.013	.008		
7.0	.167	.103	.058	.144	.089	.051	.099	.063	.036	.058	.037	.021	.019	.012	.007		
8.0	.160	.097	.054	.138	.084	.047	.095	.059	.034	.055	.035	.020	.018	.011	.007		
9.0	.154	.092	.051	.132	.080	.045	.092	.056	.032	.053	.033	.019	.017	.011	.006		
10.0	.147	.088	.049	.127	.077	.042	.088	.054	.030	.051	.032	.018	.017	.010	.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					22.9	24.5	23.2	24.8	25.1	24.7	26.3	25.0	26.6	26.8
3H					24.3	25.8	24.7	26.1	26.5	27.4	28.9	27.8	29.2	29.5
4H					24.8	26.3	25.2	26.6	26.9	28.9	30.4	29.3	30.7	31.0
6H					25.1	26.4	25.4	26.8	27.1	30.6	32.0	31.0	32.3	32.7
8H					25.1	26.4	25.5	26.7	27.1	31.5	32.8	31.9	33.2	33.6
12H					25.0	26.3	25.4	26.7	27.1	32.5	33.8	32.9	34.1	34.5
4H 2H					24.0	25.5	24.4	25.8	26.1	25.3	26.8	25.7	27.1	27.4
3H					25.8	27.1	26.3	27.5	27.9	28.3	29.6	28.7	30.0	30.3
4H					26.6	27.8	27.0	28.2	28.6	30.1	31.2	30.5	31.6	32.0
6H					27.1	28.2	27.6	28.6	29.1	32.0	33.0	32.4	33.4	33.9
8H					27.2	28.2	27.7	28.7	29.2	33.0	34.0	33.5	34.4	34.9
12H					27.3	28.2	27.8	28.7	29.2	34.1	35.0	34.6	35.5	36.0
8H 4H					27.8	28.8	28.2	29.2	29.7	30.5	31.5	30.9	31.9	32.4
6H					28.8	29.6	29.3	30.1	30.6	32.7	33.5	33.2	34.0	34.5
8H					29.2	30.0	29.7	30.4	31.0	33.9	34.7	34.4	35.2	35.7
12H					29.5	30.2	30.0	30.7	31.2	35.3	36.0	35.8	36.5	37.1
12H 4H					28.1	29.1	28.6	29.5	30.0	30.5	31.4	31.0	31.9	32.4
6H					29.4	30.2	29.9	30.7	31.2	32.8	33.6	33.3	34.1	34.6
8H					30.0	30.7	30.6	31.2	31.8	34.2	34.9	34.7	35.4	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, 59.72 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -9.8)  
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:

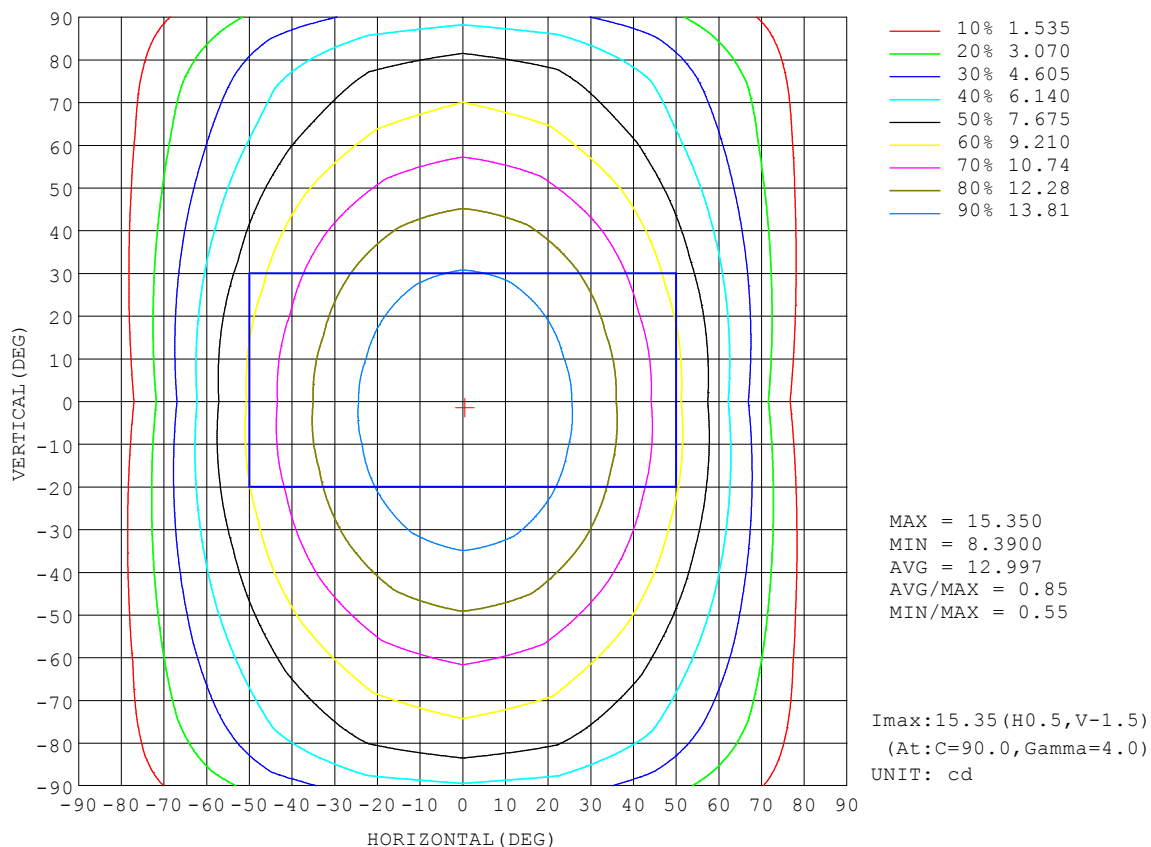
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	39	32	51	39	32	49	38	31	25
0.80	61	48	40	60	48	40	58	47	39	32
1.00	69	56	48	68	56	48	65	57	47	39
1.25	76	63	55	74	63	55	71	61	54	45
1.50	81	69	61	79	68	60	76	66	59	50
2.00	88	77	69	86	76	69	82	74	67	58
2.50	92	83	75	90	81	74	86	78	72	62
3.00	96	87	80	94	85	79	89	82	77	67
4.00	101	93	87	98	91	85	93	87	83	72
5.00	104	97	91	101	95	90	96	91	86	76
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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:



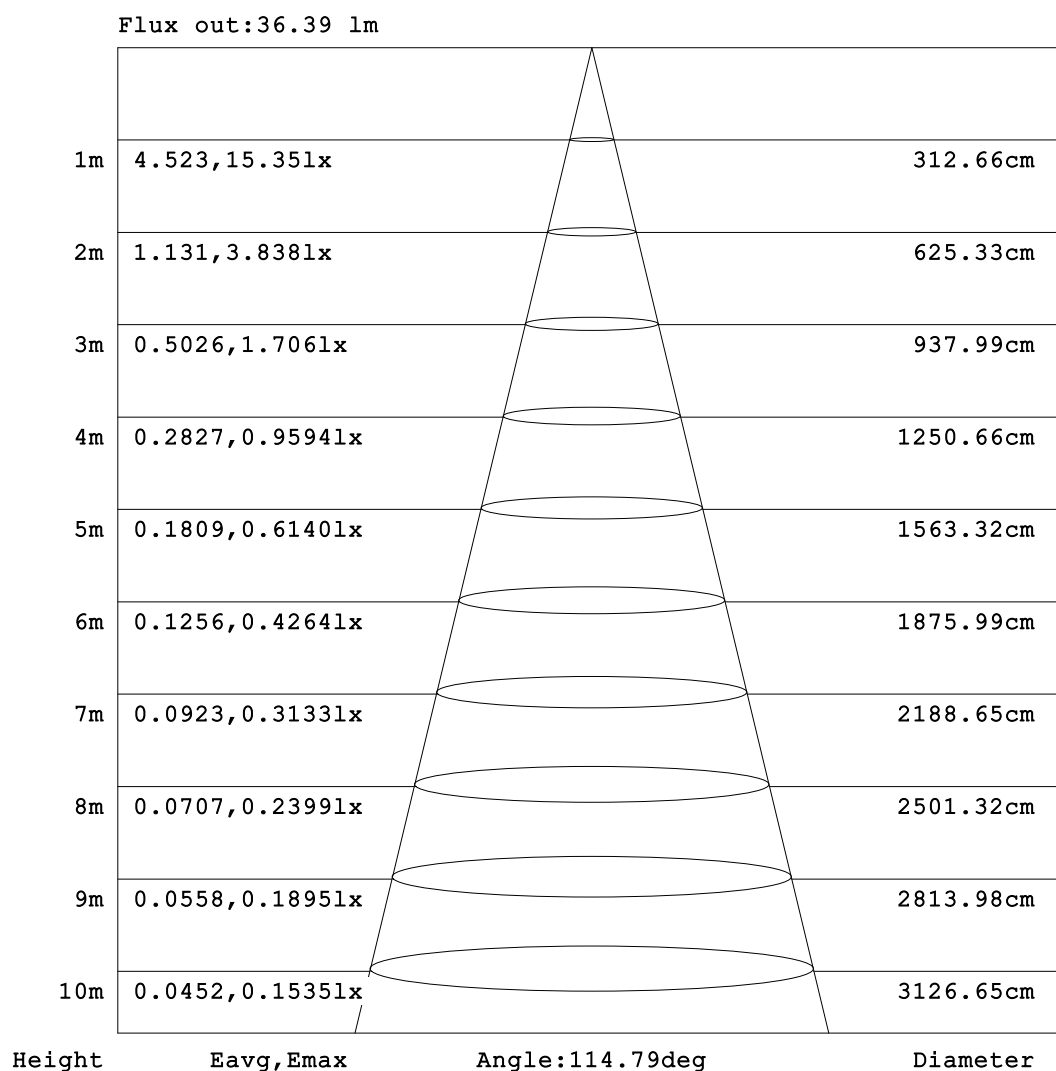
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-08-18

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:



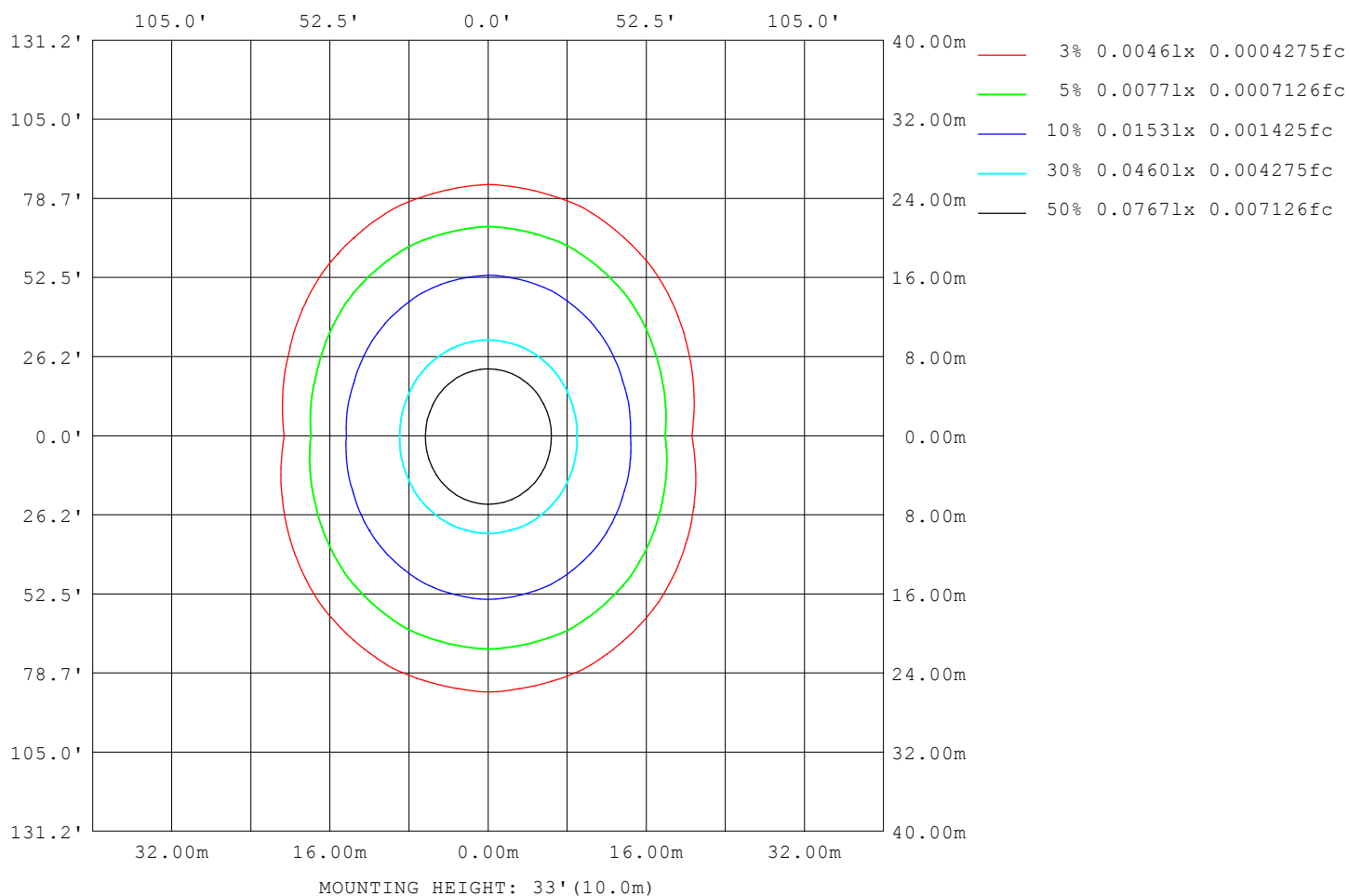
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

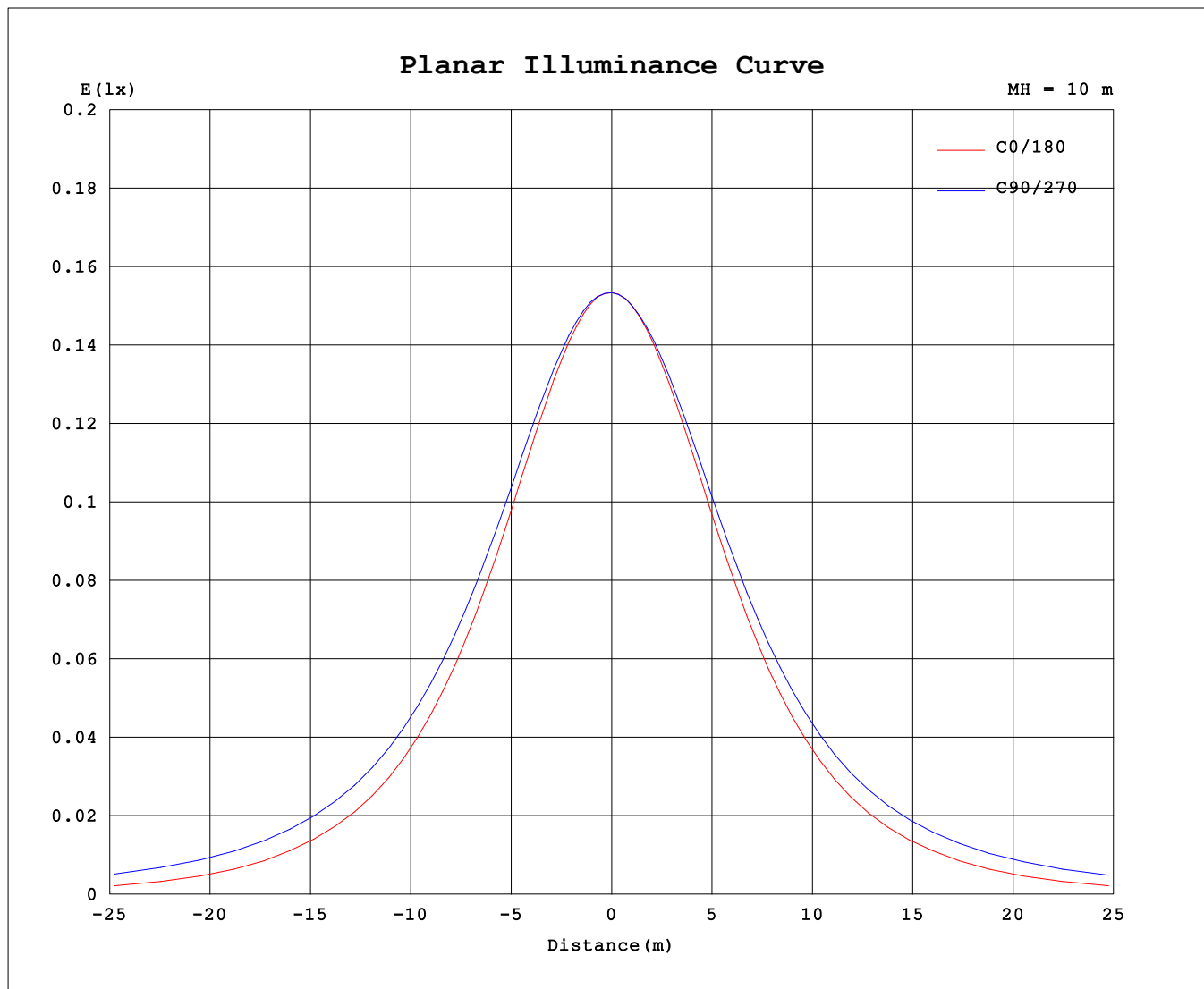
AvgL	cd/m2
L_0~180 (65) av	1032
L_0~180 (75) av	661
L_0~180 (85) av	0
L_90~270 (65) av	1982
L_90~270 (75) av	2864
L_90~270 (85) av	6832
L_45 (65) av	1641
L_45 (75) av	2196
L_45 (85) av	4910

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3			
5	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3			
10	15.1	15.2	15.2	15.2	15.3	15.2	15.2	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1			
15	14.9	15.0	15.1	15.1	15.2	15.1	15.0	14.9	14.8	14.8	14.9	14.9	15.0	15.0	14.9	14.9			
20	14.4	14.5	14.7	14.8	14.9	14.8	14.6	14.4	14.3	14.3	14.4	14.6	14.6	14.6	14.5	14.4			
25	14.0	14.1	14.4	14.6	14.7	14.5	14.3	14.0	13.9	13.9	14.1	14.3	14.4	14.3	14.2	14.0			
30	13.2	13.4	13.8	14.1	14.2	14.1	13.7	13.3	13.1	13.1	13.4	13.7	13.9	13.8	13.6	13.3			
35	12.6	12.9	13.4	13.8	13.9	13.7	13.2	12.7	12.4	12.5	13.0	13.3	13.5	13.4	13.1	12.7			
40	11.6	11.9	12.6	13.1	13.3	13.1	12.4	11.8	11.4	11.6	12.1	12.6	12.9	12.7	12.3	11.7			
45	10.8	11.2	12.0	12.7	12.9	12.6	11.9	11.1	10.6	10.8	11.5	12.1	12.4	12.2	11.7	11.0			
50	9.48	10.1	11.1	11.9	12.2	11.8	11.0	9.94	9.36	9.67	10.6	11.3	11.7	11.4	10.7	9.84			
55	8.55	9.27	10.4	11.4	11.7	11.3	10.3	9.13	8.44	8.84	9.90	10.8	11.2	10.9	10.0	9.00			
60	6.86	7.99	9.44	10.6	11.0	10.5	9.31	7.87	6.87	7.54	8.87	9.93	10.4	10.0	9.01	7.69			
65	5.56	7.11	8.78	10.0	10.5	9.96	8.65	7.00	5.56	6.65	8.18	9.39	9.89	9.49	8.33	6.80			
70	3.59	5.80	7.82	9.27	9.73	9.18	7.70	5.71	3.62	5.34	7.22	8.65	9.21	8.76	7.38	5.47			
75	2.31	4.95	7.21	8.75	9.25	8.67	7.12	4.87	2.39	4.50	6.66	8.21	8.79	8.32	6.83	4.64			
80	0.69	3.81	6.30	7.89	8.38	7.84	6.24	3.75	0.78	3.47	5.90	7.36	7.94	7.46	6.05	3.62			
85	0.01	3.09	5.52	7.09	7.57	7.05	5.48	3.07	0.00	2.91	5.17	6.58	7.17	6.66	5.28	3.04			
90	0.00	1.77	3.92	5.48	5.99	5.48	3.83	1.74	0.00	1.60	3.67	5.02	5.57	5.04	3.70	1.63			
95	0.00	0.11	2.17	3.76	4.26	3.84	2.27	0.30	0.00	0.38	2.26	3.53	4.02	3.51	2.22	0.30			
100	0.00	0.01	0.02	0.28	0.66	0.39	0.02	0.01	0.00	0.01	0.03	0.90	1.39	0.83	0.02	0.01			
105	0.00	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01			
110	0.00	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01			
115	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01			
120	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
125	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
130	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
135	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
140	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
145	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
150	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
155	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01			
160	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01			
165	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01			
170	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01			
175	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01			
180	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01			

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