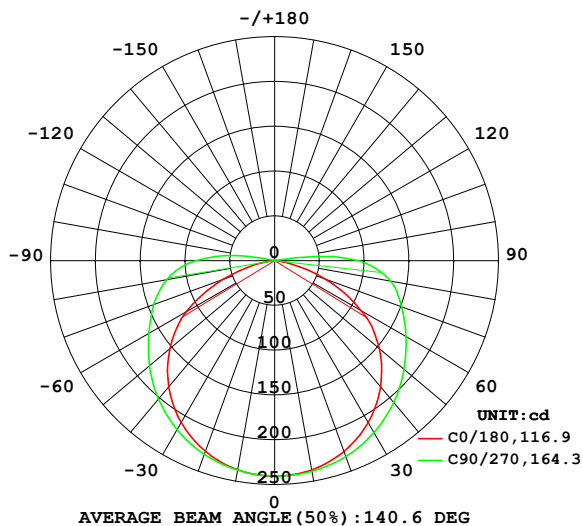


## LUMINAIRE PHOTOMETRIC TEST REPORT

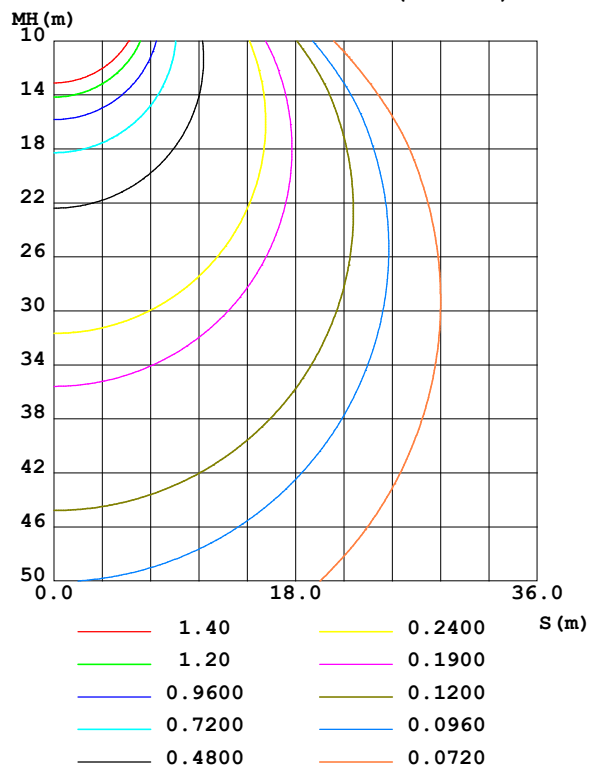
NAME: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 99.50 lm/W
MODEL	2700K+6500K RA90	Imax (cd)	240.7	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.35	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	947.93	$\eta$ UP,DN(C0-180)	1.7,48.9	
NOMINAL FLUX(lm)	1.48114	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	2.0,47.4	
LAMPS INSIDE	640	$\eta$ up (%)	3.7	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	$\eta$ 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: 2023-08-19

$\gamma$  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:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	237.3	238.1	238.8	238.1	237.1	237.1	237.5	237.1	0- 10	22.83	22.83	2.41,2.41
20	226.6	229.8	232.7	229.8	226.5	227.9	230.1	228.1	10- 20	66.12	88.95	9.38,9.38
30	208.8	216.2	221.7	216.2	208.7	213.3	217.9	213.5	20- 30	102.6	191.6	20.2,20.2
40	184.0	197.0	206.7	197.2	184.0	193.3	201.7	193.3	30- 40	128.5	320.1	33.8,33.8
50	152.5	173.8	188.7	174.2	152.6	169.4	182.6	169.3	40- 50	141.4	461.5	48.7,48.7
60	111.6	147.9	169.3	148.6	113.9	142.6	162.2	142.5	50- 60	140.4	601.9	63.5,63.5
70	59.70	122.9	150.9	123.7	61.30	116.6	143.7	116.6	60- 70	127.0	728.9	76.9,76.9
80	12.33	100.6	131.3	100.9	13.55	93.77	122.3	93.64	70- 80	105.8	834.7	88.1,88.1
90	0.1943	63.94	94.10	61.48	0.2049	59.99	88.06	59.10	80- 90	78.06	912.7	96.3,96.3
100	0.2205	0.5295	4.776	0.5238	0.2601	2.543	28.58	2.328	90-100	31.31	944.1	99.6,99.6
110	0.3071	0.4725	0.6140	0.4751	0.3362	0.5251	1.077	0.6190	100-110	1.501	945.6	99.7,99.7
120	0.3964	0.4725	0.5772	0.4751	0.4203	0.5251	0.5825	0.5144	110-120	0.5044	946.1	99.8,99.8
130	0.4805	0.5093	0.5641	0.5170	0.5043	0.5540	0.5825	0.5486	120-130	0.4625	946.5	99.9,99.9
140	0.5593	0.5670	0.5798	0.5774	0.5857	0.6065	0.6035	0.6011	130-140	0.4324	947.0	99.9,99.9
150	0.6355	0.6274	0.6270	0.6404	0.6566	0.6669	0.6533	0.6615	140-150	0.3861	947.3	99.9,99.9
160	0.6880	0.6825	0.6847	0.6928	0.7144	0.7167	0.7111	0.7139	150-160	0.3113	947.7	100,100
170	0.7353	0.7298	0.7346	0.7349	0.7616	0.7613	0.7583	0.7559	160-170	0.2050	947.9	100,100
180	0.7669	0.7640	0.7661	0.7638	0.7669	0.7771	0.7687	0.7664	170-180	0.0721	947.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 404.26 lm

%lum = 42.6%

%lamp = 42.6%

Conical surface Flux(130deg): 680.34 lm

%lum = 71.8%

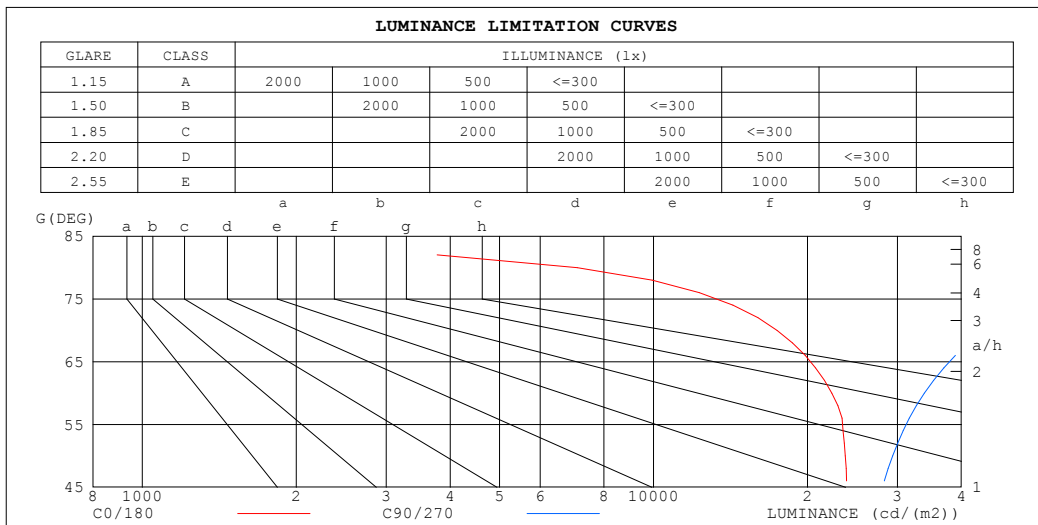
%lamp = 71.8%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-08-19

$\gamma$  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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	334	136437
80	7097	75656
75	15223	55579
70	17446	44131
65	21521	38333
60	22315	33881
55	24073	31546
50	23718	29377
45	24335	28282

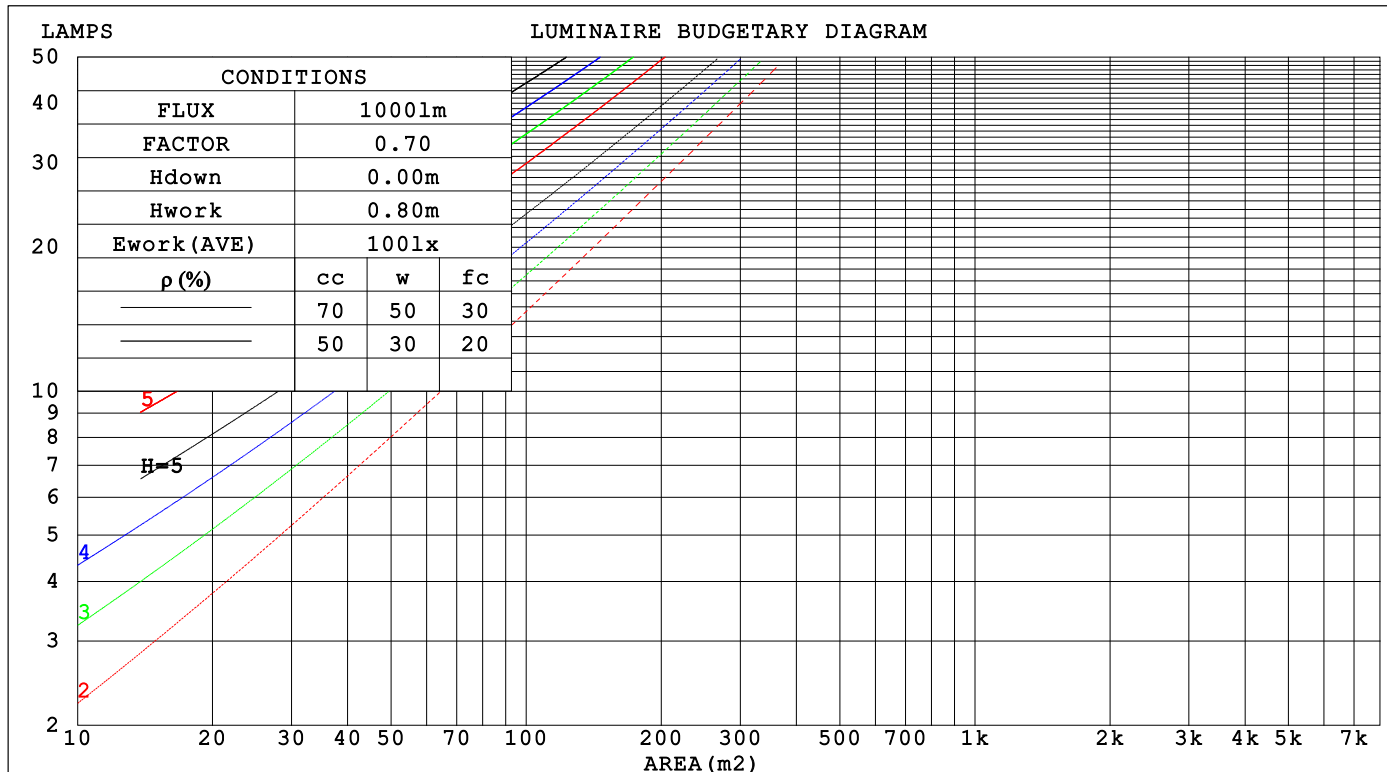
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-08-19

$\gamma$  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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*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	.96
1.0	.98	.93	.88	.95	.90	.86	.90	.86	.82	.86	.82	.79	.81	.79	.76	.73
2.0	.84	.76	.69	.81	.74	.67	.77	.71	.65	.73	.68	.63	.69	.65	.61	.59
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	.42	.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:2023-08-19

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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*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	.363	.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	.162	.049	.289	.157	.048	.277	.152	.047	.266	.148	.046		
4.0	.277	.144	.042	.271	.142	.042	.260	.138	.041	.249	.134	.040	.239	.130	.040		
5.0	.251	.128	.037	.246	.126	.037	.236	.123	.036	.226	.119	.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	.156	.184	.158	.134	.126	.109	.093	.072	.063	.054	.023	.020	.017		
2.0	.208	.160	.120	.179	.138	.104	.122	.095	.072	.071	.056	.042	.023	.018	.014		
3.0	.201	.143	.098	.172	.124	.085	.118	.086	.059	.068	.050	.035	.022	.016	.011		
4.0	.193	.131	.083	.165	.113	.072	.114	.079	.051	.066	.046	.030	.021	.015	.010		
5.0	.185	.121	.073	.159	.104	.064	.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	.170	.106	.061	.146	.091	.053	.101	.064	.037	.059	.038	.022	.019	.012	.007		
8.0	.163	.100	.057	.140	.087	.049	.097	.061	.035	.056	.036	.021	.018	.012	.007		
9.0	.156	.095	.054	.134	.082	.047	.093	.058	.033	.054	.034	.020	.018	.011	.007		
10.0	.150	.091	.051	.129	.079	.045	.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:2023-08-19

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: LY640-CSPTW2765-W24-10W-10MM						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.:						SUR.: 0.010*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		23.6	25.2	23.9	25.4	25.7	25.1	26.7	25.5	27.0	27.3
3H		25.0	26.5	25.4	26.9	27.2	27.9	29.4	28.2	29.7	30.0
4H		25.6	27.0	25.9	27.3	27.7	29.4	30.8	29.8	31.2	31.5
6H		25.8	27.2	26.2	27.5	27.9	31.1	32.5	31.5	32.8	33.2
8H		25.8	27.1	26.2	27.5	27.9	32.0	33.3	32.4	33.7	34.1
12H		25.8	27.1	26.2	27.4	27.8	33.0	34.3	33.4	34.7	35.1
4H 2H		24.7	26.1	25.0	26.4	26.8	25.8	27.2	26.2	27.6	27.9
3H		26.5	27.8	26.9	28.1	28.5	28.8	30.1	29.2	30.4	30.8
4H		27.3	28.5	27.7	28.9	29.3	30.5	31.7	31.0	32.1	32.5
6H		27.8	28.9	28.3	29.3	29.8	32.5	33.5	32.9	33.9	34.4
8H		28.0	29.0	28.4	29.4	29.9	33.5	34.5	34.0	34.9	35.4
12H		28.0	29.0	28.5	29.4	29.9	34.6	35.6	35.1	36.0	36.5
8H 4H		28.4	29.4	28.9	29.9	30.3	31.0	32.0	31.4	32.4	32.9
6H		29.5	30.3	30.0	30.8	31.3	33.2	34.1	33.7	34.5	35.0
8H		29.9	30.7	30.4	31.2	31.7	34.5	35.2	35.0	35.7	36.3
12H		30.2	30.9	30.8	31.4	32.0	35.9	36.5	36.4	37.0	37.6
12H 4H		28.8	29.7	29.3	30.2	30.7	31.0	31.9	31.5	32.4	32.9
6H		30.1	30.9	30.6	31.4	31.9	33.4	34.1	33.9	34.6	35.2
8H		30.7	31.4	31.3	31.9	32.5	34.7	35.4	35.3	35.9	36.5
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, 947.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)  
Area: 0.01 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-08-19

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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

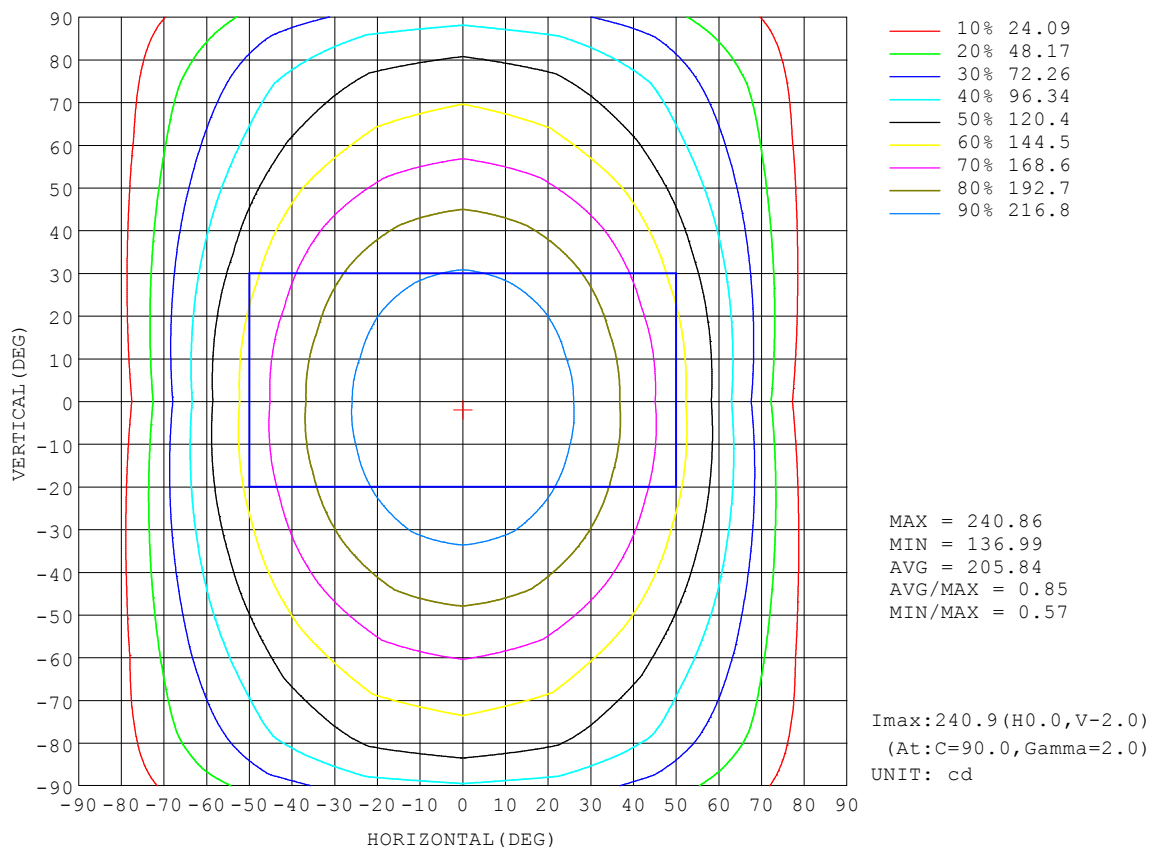
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	31	51	39	31	49	38	31	24
0.80	61	48	40	60	47	40	58	47	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	86	78	72	62
3.00	96	87	80	94	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	96	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: 2023-08-19

$\gamma$  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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



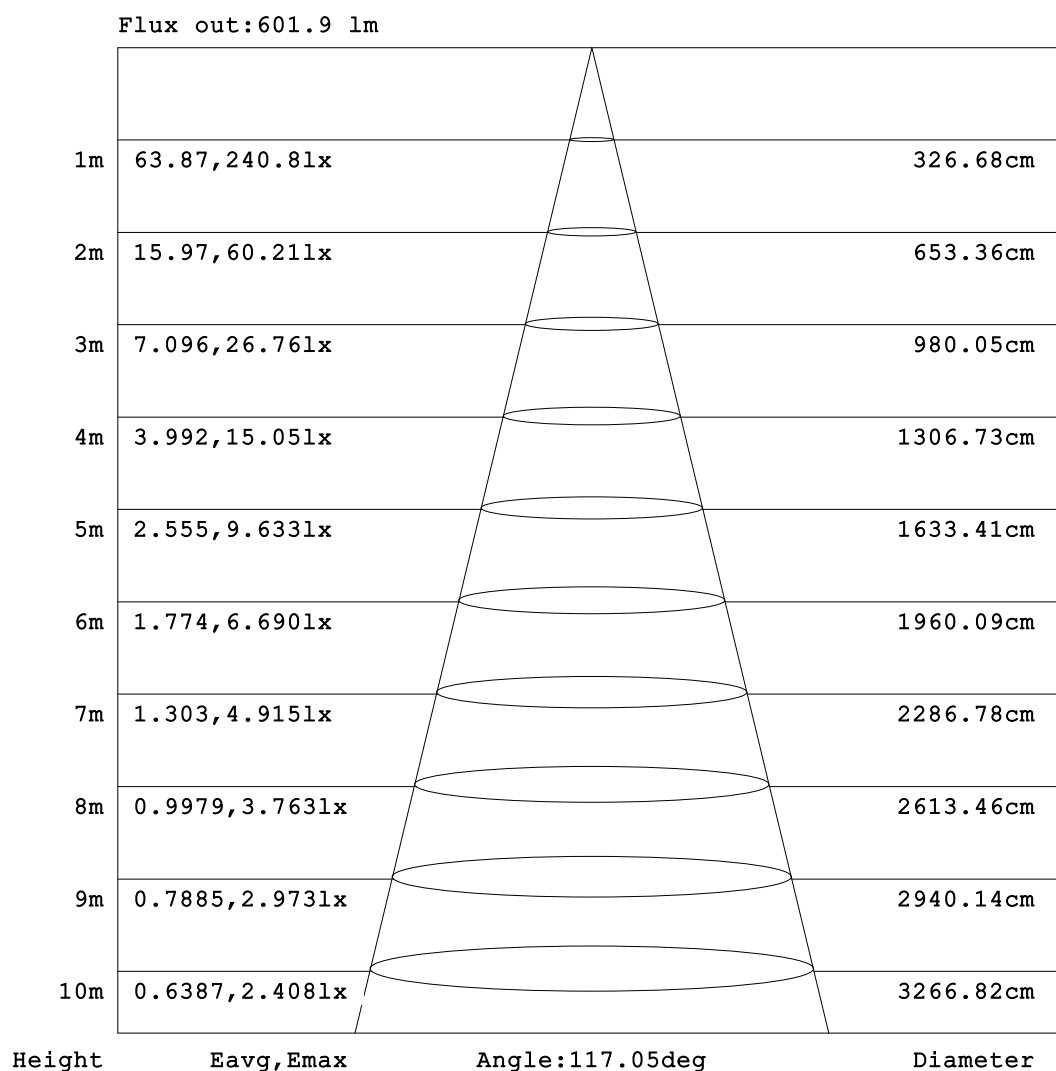
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-08-19

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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



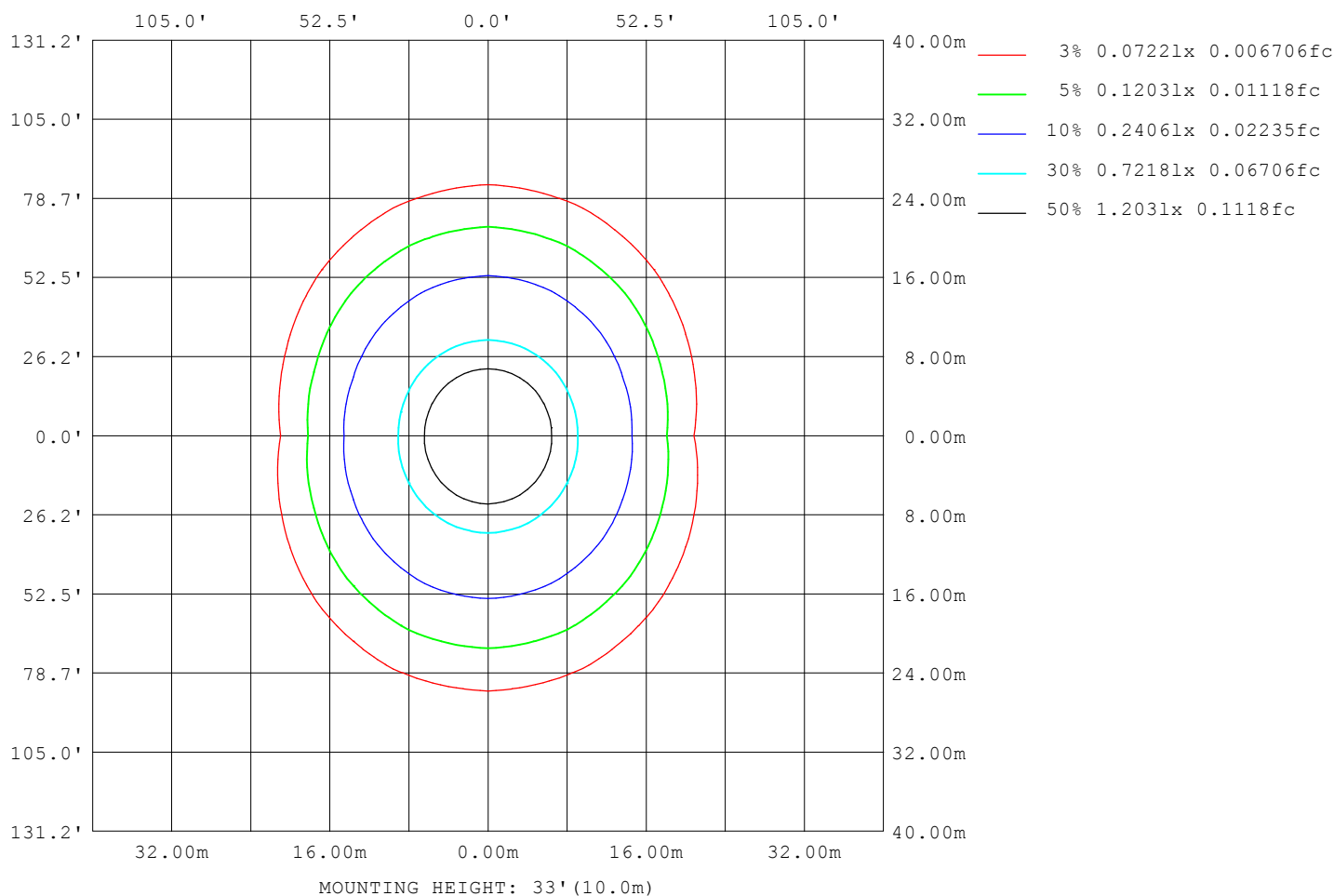
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-08-19

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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-08-19

$\gamma$  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:

## LED Avg.L Report

NAME: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*1	Shielding Angle:

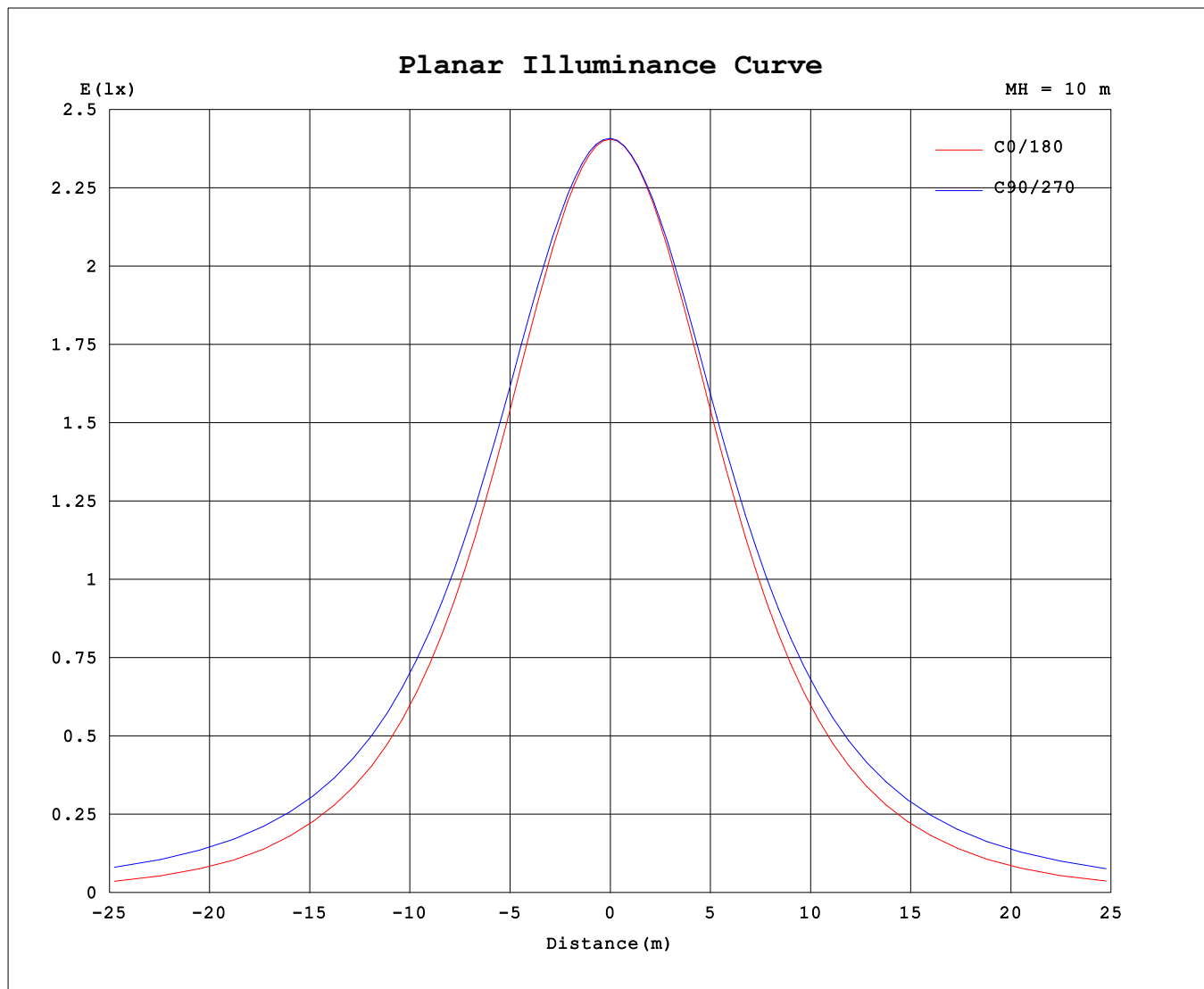
AvgL	cd/m2
L_0~180 (65) av	20540
L_0~180 (75) av	13590
L_0~180 (85) av	0
L_90~270 (65) av	36982
L_90~270 (75) av	53294
L_90~270 (85) av	127907
L_45 (65) av	31263
L_45 (75) av	42009
L_45 (85) av	94024

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-08-19

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: 2023-08-19

$\gamma$  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: LY640-CSPTW2765-W24-10W-10MM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.010*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	241	241	241	241	241	241	241	241	241	241	241	241	241	241	241	241			
5	240	240	240	241	241	241	240	240	240	240	240	240	240	240	240	240			
10	237	238	238	239	239	239	238	238	237	237	237	237	237	237	237	237			
15	234	235	235	237	237	237	235	234	234	234	234	235	235	235	234	234			
20	227	228	230	232	233	232	230	228	226	226	228	229	230	229	228	227			
25	220	222	225	228	229	228	225	222	220	220	223	225	226	225	223	220			
30	209	211	216	220	222	220	216	211	209	209	213	216	218	216	213	210			
35	200	203	209	214	216	215	209	203	200	201	206	210	212	210	206	201			
40	184	189	197	204	207	204	197	189	184	186	193	199	202	199	193	186			
45	172	178	188	197	200	197	188	178	172	175	184	191	194	191	184	175			
50	153	161	174	185	189	185	174	161	153	157	169	179	183	179	169	157			
55	138	148	164	177	181	177	164	148	138	144	159	170	174	170	159	144			
60	112	128	148	164	169	164	149	128	114	124	143	157	162	156	142	124			
65	91.0	114	137	156	162	157	138	114	93.2	110	132	148	154	148	132	110			
70	59.7	92.9	123	144	151	145	124	93.4	61.3	88.2	117	137	144	137	117	88.5			
75	39.4	79.5	114	136	144	137	114	79.9	40.7	74.5	108	129	136	129	108	75.0			
80	12.3	62.0	101	124	131	125	101	62.2	13.5	57.1	93.8	115	122	115	93.6	58.1			
85	0.29	51.5	88.8	112	119	112	89.2	51.4	0.39	46.7	82.2	104	111	103	81.8	47.5			
90	0.19	30.0	63.9	87.0	94.1	87.5	61.5	29.4	0.20	26.6	60.0	80.0	88.1	78.8	59.1	26.6			
95	0.19	1.29	32.7	58.8	66.6	60.7	35.0	2.99	0.22	7.99	39.9	59.5	66.7	58.2	38.5	6.77			
100	0.22	0.32	0.53	1.71	4.78	2.50	0.52	0.30	0.26	0.39	2.54	20.6	28.6	18.8	2.33	0.55			
105	0.25	0.33	0.48	0.59	0.68	0.59	0.48	0.34	0.29	0.37	0.68	1.70	3.47	1.84	1.05	0.38			
110	0.31	0.37	0.47	0.54	0.61	0.55	0.48	0.37	0.34	0.37	0.53	0.82	1.08	0.98	0.62	0.36			
115	0.34	0.40	0.47	0.54	0.59	0.55	0.48	0.40	0.37	0.38	0.53	0.63	0.76	0.72	0.51	0.39			
120	0.40	0.44	0.47	0.54	0.58	0.55	0.48	0.44	0.42	0.42	0.53	0.60	0.58	0.59	0.51	0.43			
125	0.43	0.47	0.49	0.55	0.57	0.55	0.48	0.47	0.46	0.45	0.53	0.60	0.58	0.57	0.52	0.46			
130	0.48	0.51	0.51	0.56	0.56	0.57	0.52	0.52	0.50	0.49	0.55	0.59	0.58	0.57	0.55	0.50			
135	0.51	0.54	0.54	0.57	0.56	0.58	0.54	0.55	0.54	0.52	0.58	0.59	0.59	0.56	0.57	0.52			
140	0.56	0.58	0.57	0.60	0.58	0.61	0.58	0.59	0.59	0.56	0.61	0.60	0.60	0.57	0.60	0.56			
145	0.60	0.61	0.59	0.62	0.60	0.63	0.61	0.62	0.62	0.59	0.63	0.61	0.62	0.59	0.62	0.59			
150	0.64	0.66	0.63	0.65	0.63	0.66	0.64	0.67	0.66	0.63	0.67	0.64	0.65	0.62	0.66	0.63			
155	0.66	0.68	0.65	0.67	0.65	0.69	0.67	0.69	0.68	0.66	0.69	0.67	0.68	0.64	0.69	0.65			
160	0.69	0.71	0.68	0.71	0.68	0.72	0.69	0.72	0.71	0.69	0.72	0.70	0.71	0.67	0.71	0.69			
165	0.71	0.74	0.71	0.73	0.71	0.74	0.72	0.74	0.74	0.71	0.74	0.71	0.73	0.70	0.73	0.71			
170	0.74	0.76	0.73	0.76	0.73	0.76	0.73	0.77	0.76	0.74	0.76	0.73	0.76	0.73	0.76	0.73			
175	0.75	0.77	0.75	0.77	0.75	0.77	0.75	0.77	0.77	0.75	0.77	0.74	0.77	0.74	0.77	0.75			
180	0.77	0.77	0.76	0.77	0.77	0.77	0.76	0.77	0.77	0.77	0.78	0.76	0.77	0.77	0.77	0.77			

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C Interval: 22.5DEG  
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