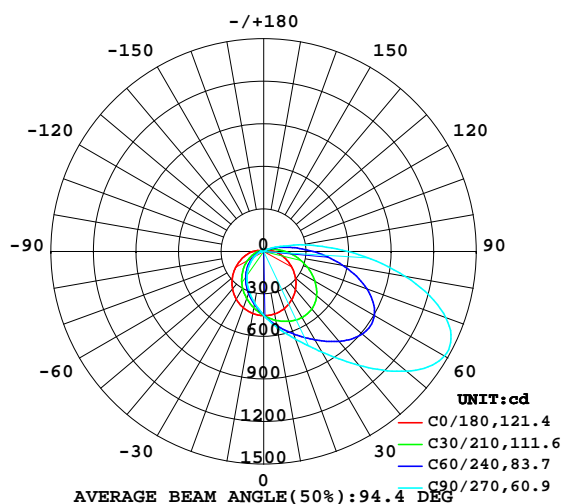


## LUMINAIRE PHOTOMETRIC TEST REPORT

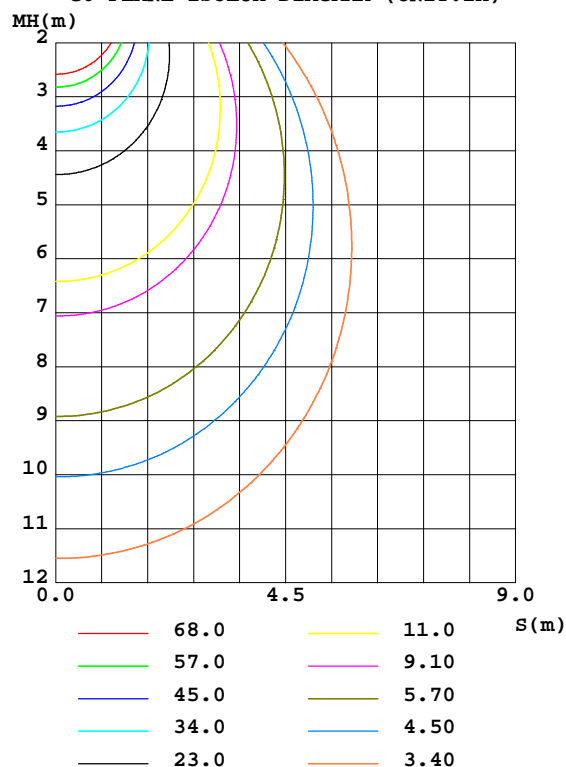
Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm		
NAME: DW320 24W 000 3000K(德辰LED)	TYPE:圆柱形	
MFR.:	DIM.: $\phi 320 \times 94$ (mm)	
	SUR.: 289*151 (mm)	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.82 lm/W			
MODEL		Imax(cd)	1477	S/MH(C0/180)	1.30
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	3.01
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2572.2	$\eta$ UP,DN(C0-180)	7.8,71.2
NOMINAL FLUX(lm)	2572.23	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	2.2,18.9
LAMPS INSIDE	1	$\eta$ up(%)	10.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220	$\eta$ down(%)	90.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2020-07-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks: 电源: LF-GIR030YM0600H  
灯板: DW320-4S9P-V2.1  
灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
3000K, 1W, 9V (带透镜)  
灯罩: 0.5% 扩散比例(抗UV)

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

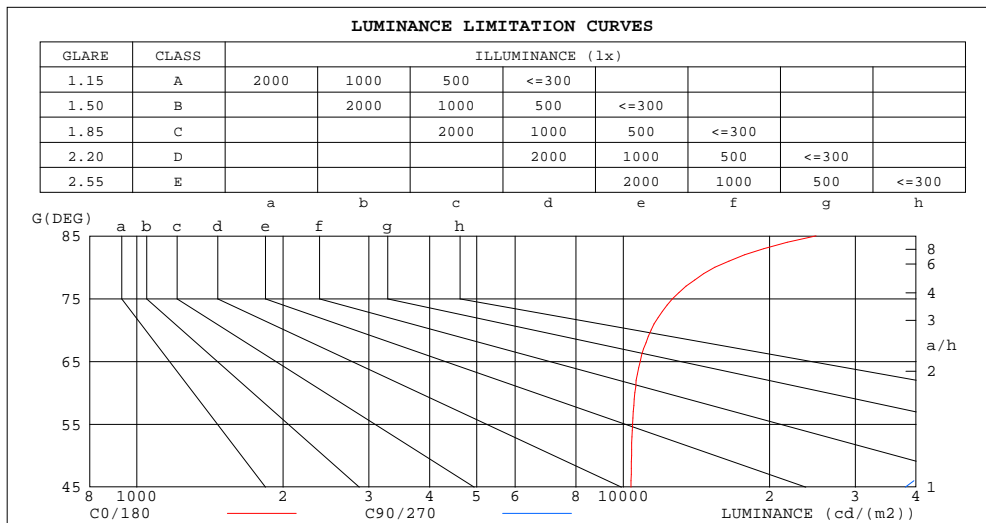
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	448.1	511.7	544.1	509.3	445.0	391.9	370.6	393.6	0- 10	43.13	43.13	1.68,1.68
20	429.0	571.7	658.5	562.1	423.0	334.3	302.1	335.7	10- 20	128.1	171.2	6.66,6.66
30	395.4	629.6	818.6	607.7	388.7	276.2	238.2	276.7	20- 30	209.0	380.2	14.8,14.8
40	349.8	678.2	1049	639.9	343.4	217.6	177.0	218.2	30- 40	284.0	664.2	25.8,25.8
50	294.2	697.2	1314	643.1	289.7	162.5	123.1	163.4	40- 50	348.8	1013	39.4,39.4
60	232.5	659.5	1473	598.0	229.8	112.9	77.88	114.5	50- 60	388.7	1402	54.5,54.5
70	171.7	553.1	1368	497.4	170.2	72.86	44.47	75.22	60- 70	380.4	1782	69.3,69.3
80	118.0	401.6	1014	364.0	118.2	44.99	24.81	46.98	70- 80	315.7	2098	81.6,81.6
90	75.60	251.5	593.6	233.5	75.38	28.17	17.78	28.58	80- 90	218.3	2316	90,90
100	43.47	132.6	276.7	127.3	44.15	19.50	17.70	18.47	90-100	125.8	2442	94.9,94.9
110	24.07	59.00	92.95	58.80	21.20	16.14	17.95	14.20	100-110	59.39	2501	97.2,97.2
120	15.76	26.26	34.20	26.75	15.16	15.99	17.62	13.38	110-120	27.73	2529	98.3,98.3
130	11.64	12.75	13.32	13.52	12.54	16.17	17.16	13.36	120-130	15.08	2544	98.9,98.9
140	11.42	8.750	7.958	9.501	12.09	16.23	16.92	13.48	130-140	9.791	2554	99.3,99.3
150	12.29	9.128	7.984	9.517	12.64	16.10	16.80	13.88	140-150	7.580	2561	99.6,99.6
160	13.24	10.61	9.628	10.97	13.46	15.72	16.26	14.30	150-160	5.831	2567	99.8,99.8
170	13.94	12.26	11.51	12.41	14.08	14.91	14.99	13.82	160-170	3.750	2571	99.9,99.9
180	14.21	13.73	13.39	13.18	14.28	13.74	13.34	13.19	170-180	1.290	2572	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** DAMIN  
**Test Date:** 2020-07-08

**$\gamma$  Range:** 0 - 180DEG  
 **$\gamma$  Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
**Humidity:** 65.0%  
**Test Distance:** 8.000m [K=0.7063]  
**Remarks:** 电源: LF-GIR030YM0600H  
 灯板: DW320-4S9P-V2.1  
 灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
 3000K,1W,9V(带透镜)  
 灯罩: 0.5%扩散比例(抗UV)

## LUMINANCE LIMITATION CURVES

Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm		
NAME: DW320 24W 000 3000K(德辰LED)	TYPE:圆柱形	
MFR.:	DIM.: $\phi 320 \times 94$ (mm)	
	SUR.:289*151 (mm)	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	24923	208055
80	15445	132771
75	12636	106460
70	11410	90900
65	10837	78364
60	10568	66947
55	10456	56182
50	10402	46457
45	10379	38038

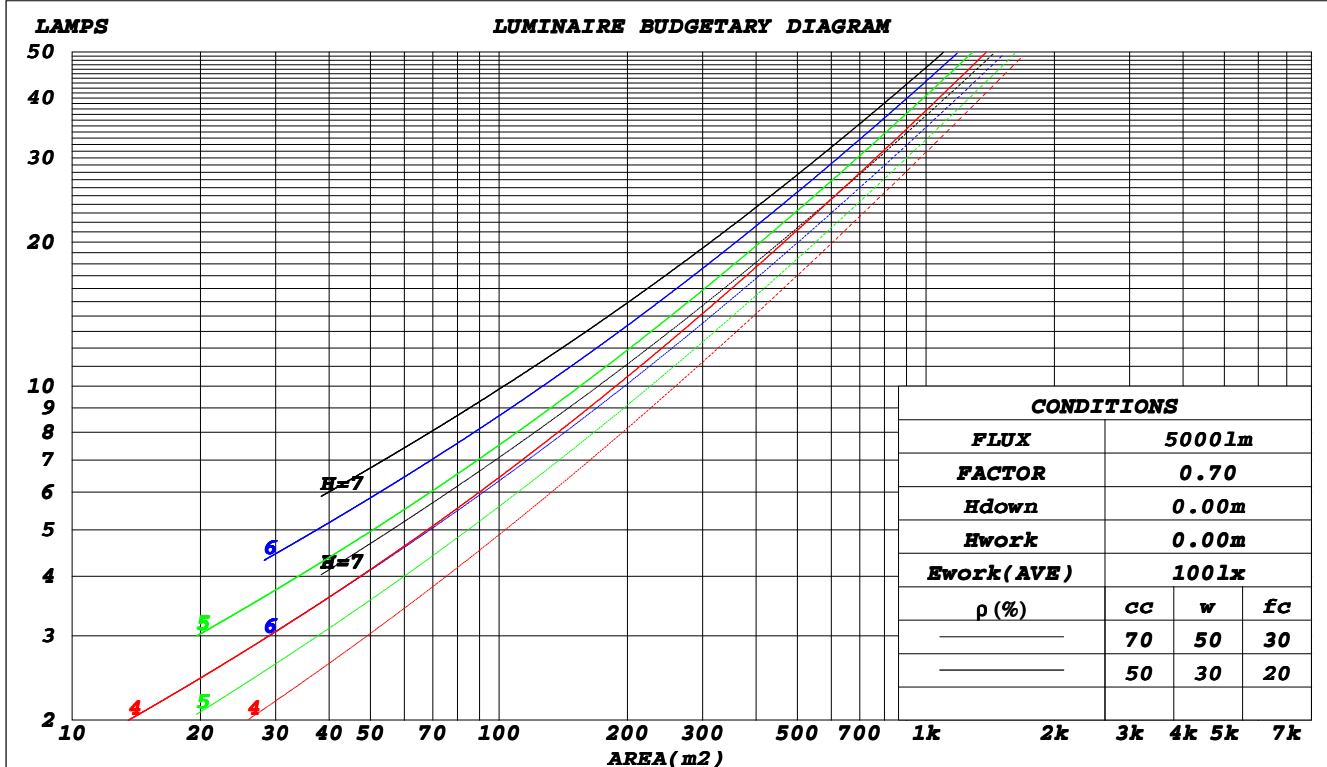
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-07-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks: 电源: LF-GIR030YM0600H  
灯板: DW320-4S9P-V2.1  
灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
3000K,1W,9V(带透镜)  
灯罩: 0.5%扩散比例(抗UV)

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm		
NAME: DW320 24W 000 3000K(德辰LED)	TYPE:圆柱形	
MFR.:	DIM.: $\phi 320 \times 94$ (mm)	
	SUR.: 289*151 (mm)	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.90
1.0	.96	.90	.85	.92	.87	.82	.86	.82	.78	.80	.77	.74	.75	.72	.70	.67
2.0	.81	.72	.65	.78	.70	.63	.73	.66	.60	.68	.62	.57	.63	.59	.55	.52
3.0	.69	.59	.52	.67	.58	.51	.62	.55	.48	.58	.52	.46	.54	.49	.44	.41
4.0	.60	.50	.42	.58	.49	.41	.54	.46	.40	.51	.44	.38	.47	.41	.36	.34
5.0	.53	.43	.35	.51	.42	.35	.48	.40	.33	.45	.38	.32	.42	.36	.31	.28
6.0	.47	.37	.30	.46	.36	.30	.43	.35	.28	.40	.33	.27	.37	.31	.26	.24
7.0	.42	.33	.26	.41	.32	.26	.39	.31	.25	.36	.29	.24	.34	.28	.23	.21
8.0	.38	.29	.23	.37	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.20	.18
9.0	.35	.26	.20	.34	.26	.20	.32	.24	.19	.30	.23	.19	.28	.22	.18	.16
10.0	.32	.24	.18	.31	.23	.18	.29	.22	.17	.28	.21	.17	.26	.20	.16	.14



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-07-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks: 电源: LF-GIR030YM0600H  
 灯板: DW320-4S9P-V2.1  
 灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
 3000K, 1W, 9V (带透镜)  
 灯罩: 0.5% 扩散比例(抗UV)

## WEC AND CCEC

Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm		
NAME: DW320 24W 000 3000K(德辰LED)	TYPE:圆柱形	
MFR.:	DIM.: $\phi$ 320*94 (mm)	
	SUR.:289*151 (mm)	

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.419	.238	.076	.409	.233	.074	.389	.223	.071	.372	.214	.069	.355	.206	.066		
2.0	.362	.198	.061	.352	.194	.060	.335	.186	.058	.319	.179	.056	.304	.172	.054		
3.0	.319	.170	.051	.311	.167	.050	.295	.160	.049	.281	.154	.047	.267	.148	.046		
4.0	.286	.149	.044	.278	.146	.043	.264	.140	.042	.251	.135	.041	.238	.130	.039		
5.0	.258	.132	.038	.252	.129	.038	.239	.124	.037	.227	.120	.036	.216	.115	.035		
6.0	.236	.118	.034	.230	.116	.033	.218	.112	.032	.207	.108	.032	.197	.104	.031		
7.0	.216	.107	.030	.211	.105	.030	.200	.101	.029	.190	.098	.028	.181	.094	.028		
8.0	.200	.098	.027	.195	.096	.027	.185	.093	.026	.176	.089	.026	.168	.086	.025		
9.0	.186	.090	.025	.181	.088	.025	.172	.085	.024	.164	.082	.024	.156	.079	.023		
10.0	.173	.083	.023	.169	.082	.023	.161	.079	.022	.154	.076	.022	.146	.074	.021		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.266	.266	.266	.228	.228	.228	.155	.155	.155	.089	.089	.089	.029	.029	.029	
1.0	.264	.232	.202	.226	.199	.174	.155	.137	.120	.089	.079	.070	.029	.025	.023	
2.0	.259	.209	.167	.221	.180	.144	.152	.124	.100	.088	.072	.059	.028	.023	.019	
3.0	.251	.192	.145	.216	.166	.125	.148	.115	.088	.085	.067	.052	.027	.022	.017	
4.0	.244	.180	.131	.209	.155	.113	.144	.108	.080	.083	.063	.047	.027	.021	.016	
5.0	.236	.170	.121	.202	.147	.105	.139	.103	.074	.081	.060	.044	.026	.020	.015	
6.0	.228	.162	.114	.196	.140	.100	.135	.098	.070	.078	.058	.042	.025	.019	.014	
7.0	.221	.155	.109	.190	.134	.095	.131	.094	.067	.076	.056	.040	.025	.018	.013	
8.0	.213	.149	.106	.184	.130	.092	.127	.091	.065	.074	.054	.039	.024	.018	.013	
9.0	.207	.145	.103	.178	.126	.089	.123	.088	.064	.072	.052	.038	.023	.017	.013	
10.0	.201	.140	.100	.173	.122	.087	.120	.086	.062	.070	.051	.037	.023	.017	.012	

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** DAMIN  
**Test Date:** 2020-07-08

**$\gamma$  Range:** 0 - 180DEG  
 **$\gamma$  Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
**Humidity:** 65.0%  
**Test Distance:** 8.000m [K=0.7063]  
**Remarks:** 电源: LF-GIR030YM0600H  
 灯板: DW320-4S9P-V2.1  
 灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
 3000K,1W,9V(带透镜)  
 灯罩: 0.5%扩散比例(抗UV)

UGR(Unified Glare Rating) Table

Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm										
NAME: DW320 24W 000 3000K(德辰LED)					TYPE:圆柱形					
MFR.:					DIM.: $\phi 320 \times 94$ (mm)					
					SUR.:289*151 (mm)					
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	21.8	23.4	22.2	23.8	24.2	29.3	30.9	29.8	31.3	31.7
3H	23.4	24.9	23.8	25.3	25.7	32.8	34.3	33.2	34.7	35.1
4H	24.2	25.6	24.6	26.0	26.5	34.5	35.9	34.9	36.3	36.8
6H	24.9	26.3	25.4	26.7	27.2	36.1	37.4	36.6	37.9	38.4
8H	25.4	26.6	25.8	27.1	27.6	36.9	38.2	37.4	38.7	39.2
12H	25.8	27.0	26.3	27.5	28.0	37.8	39.0	38.3	39.5	40.0
4H 2H	24.5	25.8	24.9	26.3	26.8	29.5	30.9	30.0	31.3	31.8
3H	26.0	27.2	26.5	27.7	28.2	33.2	34.4	33.7	34.9	35.4
4H	26.7	27.9	27.3	28.4	28.9	35.0	36.2	35.5	36.7	37.2
6H	27.5	28.6	28.1	29.1	29.7	36.9	37.9	37.4	38.5	39.0
8H	27.9	28.9	28.5	29.4	30.1	37.9	38.8	38.4	39.4	40.0
12H	28.4	29.3	29.0	29.8	30.5	38.9	39.8	39.5	40.4	41.0
8H 4H	28.6	29.6	29.2	30.1	30.7	35.1	36.0	35.6	36.6	37.2
6H	29.6	30.4	30.2	31.0	31.6	37.2	38.0	37.8	38.6	39.2
8H	30.1	30.8	30.7	31.4	32.1	38.3	39.1	38.9	39.7	40.3
12H	30.6	31.3	31.2	31.9	32.6	39.6	40.3	40.2	40.9	41.6
12H 4H	29.2	30.1	29.8	30.7	31.3	35.0	35.9	35.6	36.5	37.1
6H	30.4	31.1	31.0	31.7	32.4	37.2	37.9	37.8	38.5	39.2
8H	31.0	31.7	31.7	32.3	33.0	38.4	39.1	39.0	39.7	40.4
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 / - 0.2				
2.0H	+ 0.2 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117, 2572 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 3.3$ )

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-07-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7063]  
 Remarks: 电源: LF-GIR030YM0600H  
 灯板: DW320-4S9P-V2.1  
 灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
 3000K,1W,9V(带透镜)  
 灯罩: 0.5%扩散比例(抗UV)

## UTILIZATION FACTORS TABLE

Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm		
NAME: DW320 24W 000 3000K(德辰LED)	TYPE:圆柱形	
MFR.:	DIM.: $\phi 320 \times 94$ (mm)	
	SUR.:289*151 (mm)	

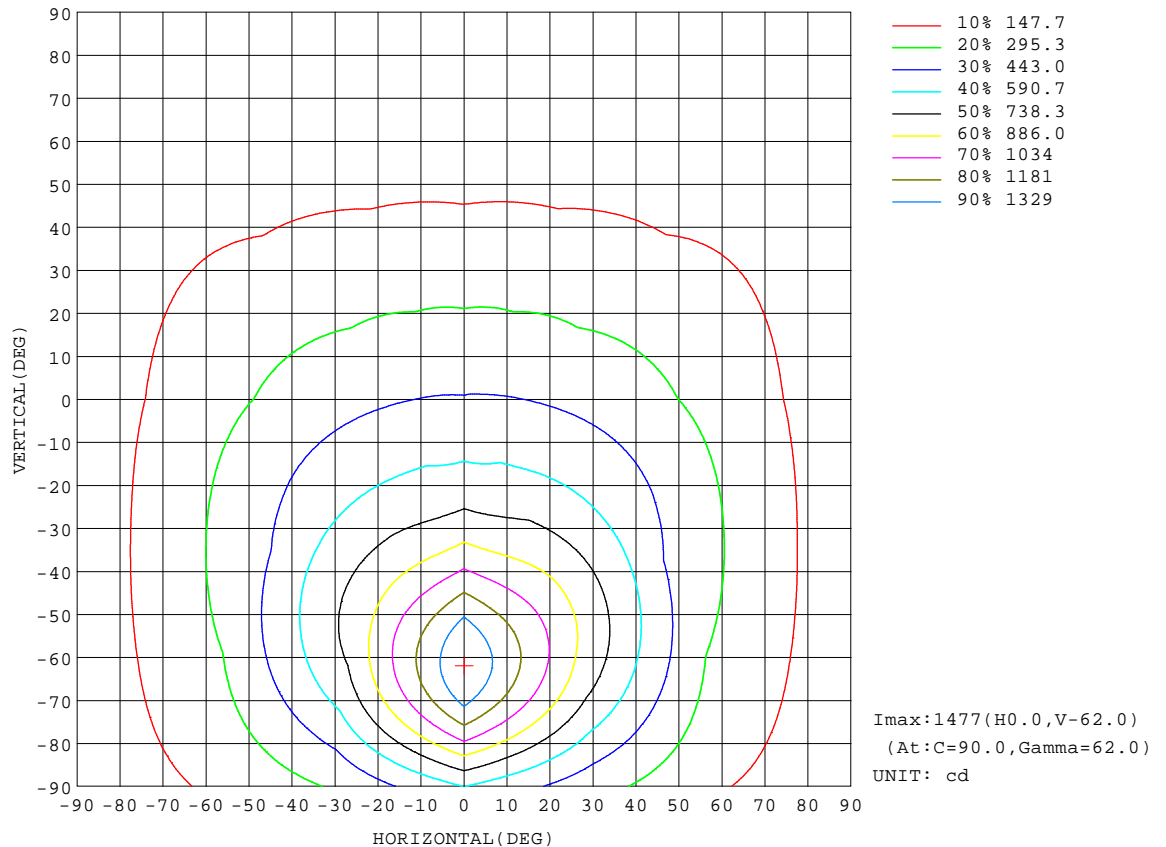
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	34	26	46	33	26	44	32	25	18
0.80	56	42	34	54	42	33	52	40	33	25
1.00	64	50	41	62	49	41	59	51	40	31
1.25	71	58	49	69	57	48	65	55	47	38
1.50	76	63	54	74	62	54	70	60	52	42
2.00	84	72	64	81	71	62	76	67	60	50
2.50	89	78	70	86	76	68	81	72	66	54
3.00	93	83	75	90	81	74	84	77	71	59
4.00	98	89	82	94	87	81	88	82	77	65
5.00	101	94	88	98	91	85	91	86	81	68
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** DAMIN  
**Test Date:** 2020-07-08

**$\gamma$  Range:** 0 - 180DEG  
 **$\gamma$  Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
**Humidity:** 65.0%  
**Test Distance:** 8.000m [K=0.7063]  
**Remarks:** 电源: LF-GIR030YM0600H  
 灯板: DW320-4S9P-V2.1  
 灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
 3000K,1W,9V(带透镜)  
 灯罩: 0.5%扩散比例(抗UV)

## ISOCANDELA DIAGRAM

Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm		
NAME: DW320 24W 000 3000K(德辰LED)	TYPE:圆柱形	
MFR.:	DIM.: $\phi 320 \times 94$ (mm)	
	SUR.: 289*151 (mm)	



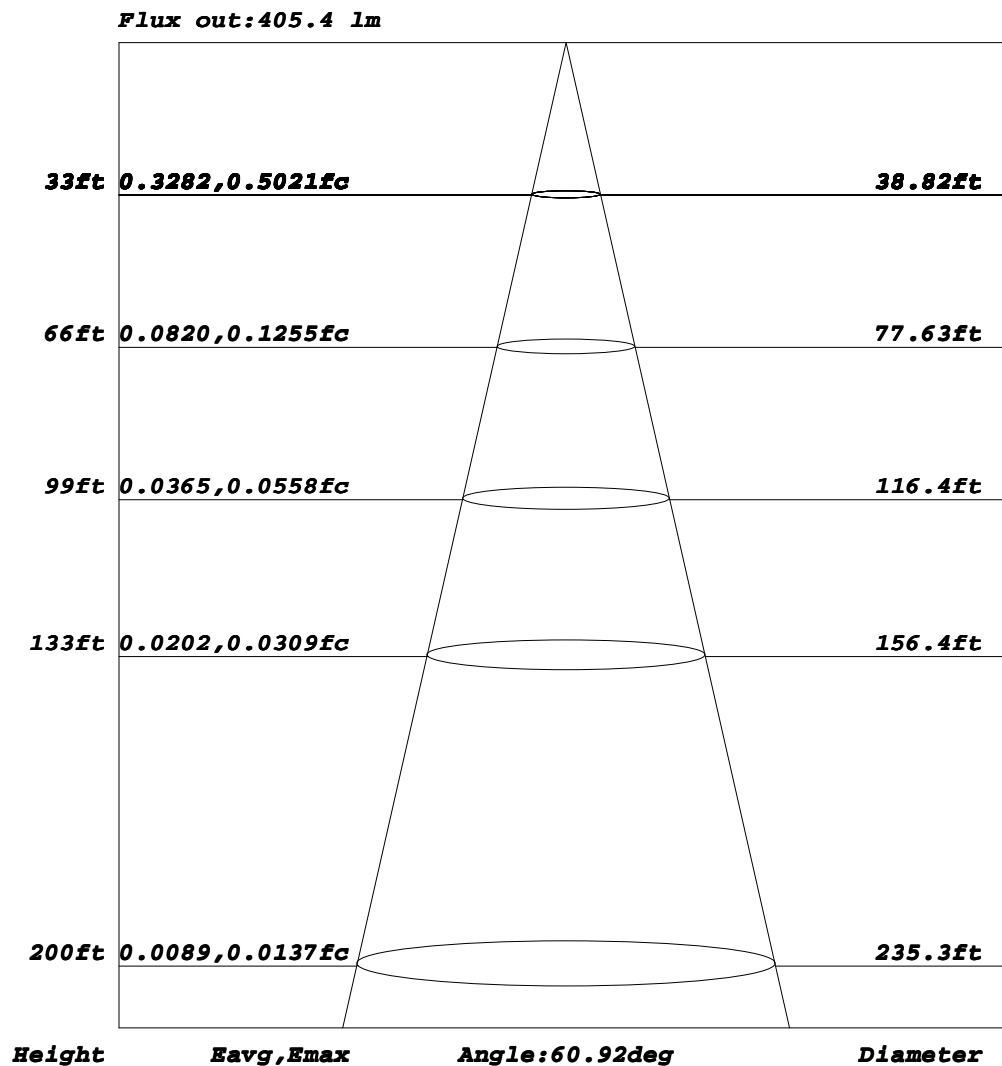
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2020-07-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks: 电源: LF-GIR030YM0600H  
灯板: DW320-4S9P-V2.1  
灯珠型号: 2835-LT3-H7H9F3R530(德辰)  
3000K, 1W, 9V (带透镜)  
灯罩: 0.5% 扩散比例(抗UV)



## AAI Figure

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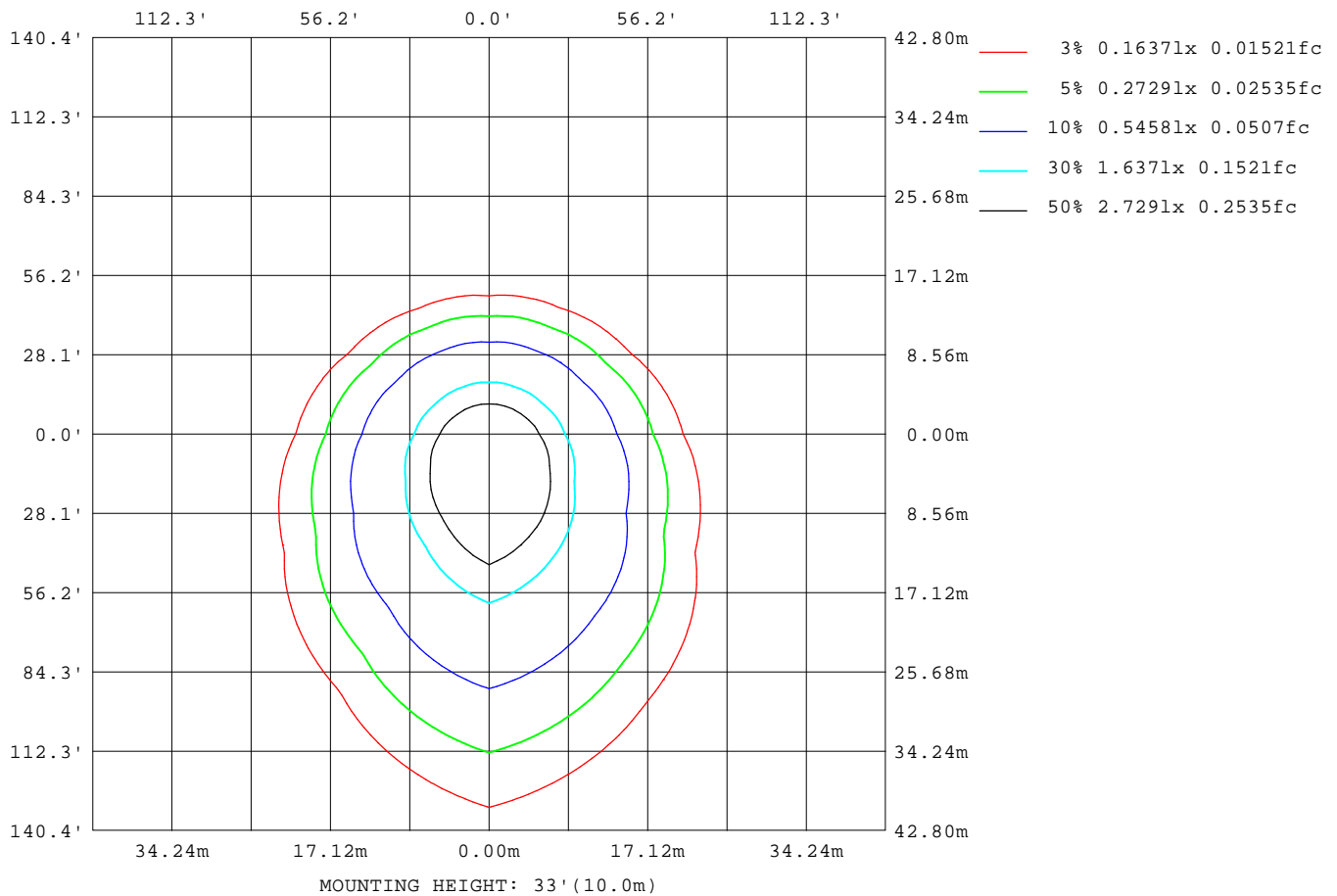
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 3000K, 1W, 9V (带透镜)  
 灯罩: 0.5% 扩散比例(抗UV)

## ISOLUX DIAGRAM

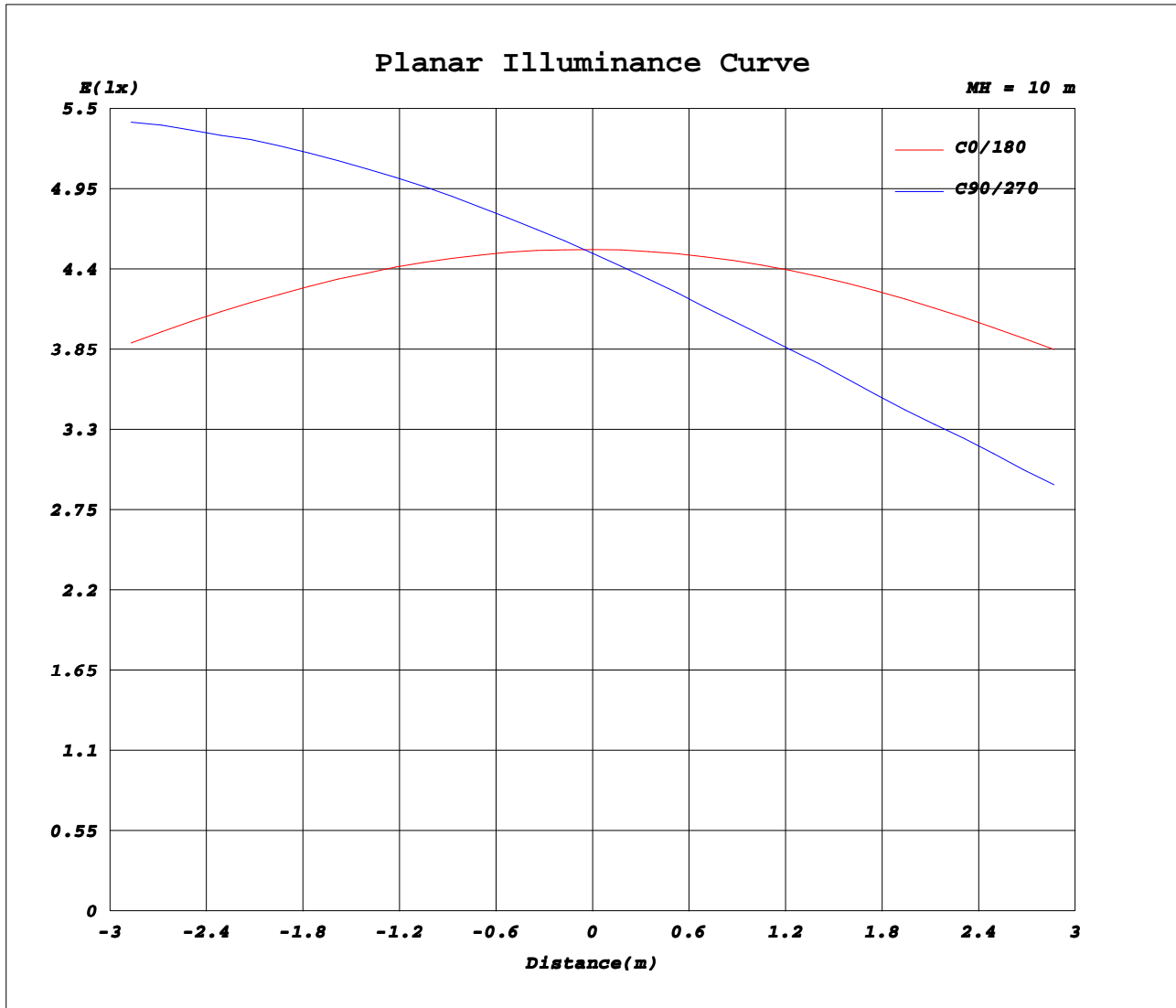
Test:U:221.30V I:0.1080A P:22.800W PF:0.9540 Freq:50.00Hz Lamp Flux:2572.23x1 lm		
NAME: DW320 24W 000 3000K(德辰LED)	TYPE:圆柱形	
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	SUR.:289*151 (mm)	



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## Planar Illuminance Curve



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 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks: 电源: LF-GIR030YM0600H  
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3000K, 1W, 9V (带透镜)  
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## LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	453	452	451	451	451	453	453	452	451	451	451	453							
5	452	473	489	495	488	473	451	429	414	409	415	431							
10	448	493	531	544	528	490	445	404	380	371	381	406							
15	441	510	574	598	568	504	436	380	347	336	348	382							
20	429	525	619	659	609	515	423	354	315	302	315	356							
25	414	535	668	731	650	521	407	327	284	270	283	329							
30	395	539	720	819	693	523	389	299	253	238	253	301							
35	374	538	774	924	734	519	367	271	223	207	222	272							
40	350	529	828	1049	771	508	343	242	193	177	193	243							
45	323	513	874	1183	801	492	317	214	165	149	166	215							
50	294	487	907	1314	818	468	290	186	139	123	140	187							
55	264	456	918	1418	816	440	260	160	114	99.4	115	161							
60	232	418	901	1473	791	406	230	135	91.3	77.9	93.0	136							
65	202	375	853	1457	741	366	200	111	71.5	59.5	73.6	113							
70	172	330	777	1368	670	325	170	90.9	54.8	44.5	57.3	93.2							
75	144	283	677	1212	585	281	143	73.0	41.8	32.9	44.1	75.4							
80	118	238	566	1014	491	237	118	57.9	32.1	24.8	33.7	60.2							
85	95.6	194	455	798	398	195	95.5	45.4	25.3	20.0	25.8	47.4							
90	75.6	153	349	594	311	156	75.4	35.3	21.0	17.8	20.4	36.7							
95	58.6	118	255	416	232	121	58.3	27.4	18.6	17.4	17.1	28.2							
100	43.5	88.0	177	277	164	91.0	44.1	21.3	17.7	17.7	15.3	21.6							
105	31.9	64.0	116	149	110	66.1	25.8	17.1	17.4	17.9	14.8	16.7							
110	24.1	45.5	72.5	92.9	70.3	47.4	21.2	14.7	17.6	17.9	14.8	13.6							
115	18.9	32.1	45.2	56.2	44.9	33.4	17.6	14.2	17.7	17.8	14.8	12.5							
120	15.8	23.3	29.2	34.2	29.4	24.1	15.2	14.2	17.8	17.6	14.8	12.0							
125	13.7	17.2	18.9	21.2	19.7	17.7	13.5	14.3	17.8	17.4	14.7	11.8							
130	11.6	13.1	12.4	13.3	13.4	13.6	12.5	14.5	17.8	17.2	14.6	12.1							
135	11.1	10.1	9.29	9.46	10.1	11.3	12.1	14.7	17.7	17.0	14.6	12.2							
140	11.4	9.20	8.30	7.96	8.69	10.3	12.1	14.9	17.6	16.9	14.6	12.4							
145	11.8	9.31	8.30	7.51	8.46	10.2	12.3	15.0	17.4	16.9	14.7	12.6							
150	12.3	9.91	8.35	7.98	8.64	10.4	12.6	15.1	17.1	16.8	14.9	12.9							
155	12.8	10.6	9.08	8.76	9.40	11.0	13.1	15.1	16.8	16.6	15.0	13.2							
160	13.2	11.3	9.91	9.63	10.3	11.7	13.5	15.1	16.4	16.3	15.1	13.5							
165	13.6	12.1	10.8	10.5	11.1	12.4	13.9	15.0	15.8	15.7	14.8	13.4							
170	13.9	12.8	11.7	11.5	12.0	12.8	14.1	14.7	15.1	15.0	14.4	13.2							
175	14.1	13.4	12.6	12.4	12.6	12.9	14.2	14.4	14.4	14.3	14.0	13.2							
180	14.2	14.0	13.5	13.4	13.3	13.0	14.3	13.9	13.6	13.3	13.4	13.0							

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