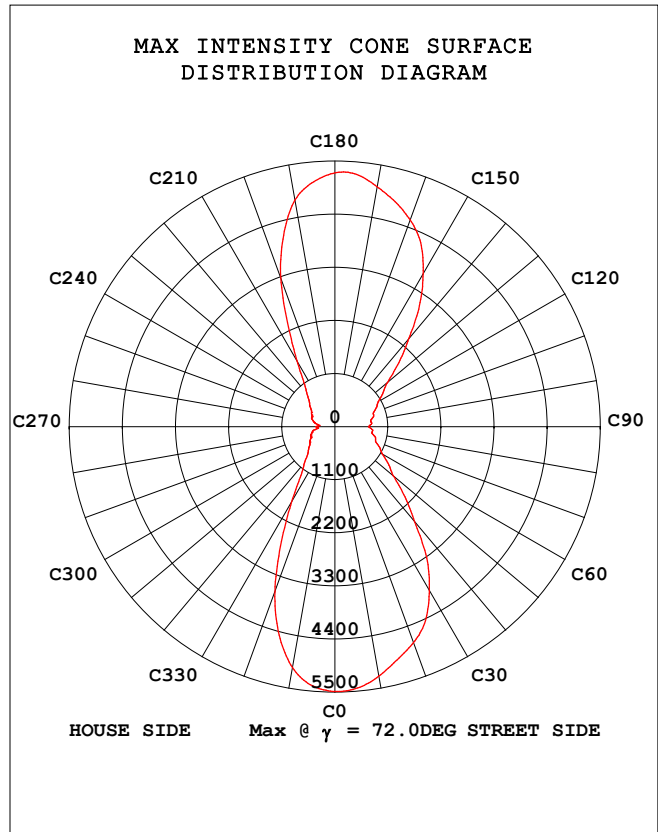
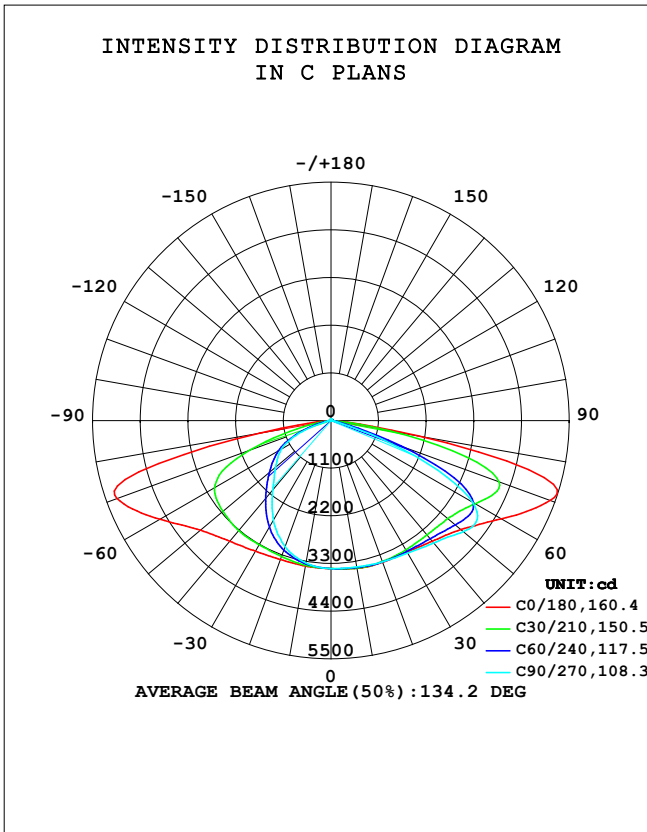


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.34 lm/W			
MODEL	ASD-LSB5R-PRO-100BK	I <sub>max</sub> (cd)	5485	η street_up (%)	0.4
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	56.7
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	15223	η house_up (%)	0.6
NOMINAL FLUX (lm)	15222.7	MAXIMUM @ (C, γ )	0,72.0	η house_down (%)	42.4
LAMPS INSIDE	1	η up (%)	1.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	99.0	SLI	

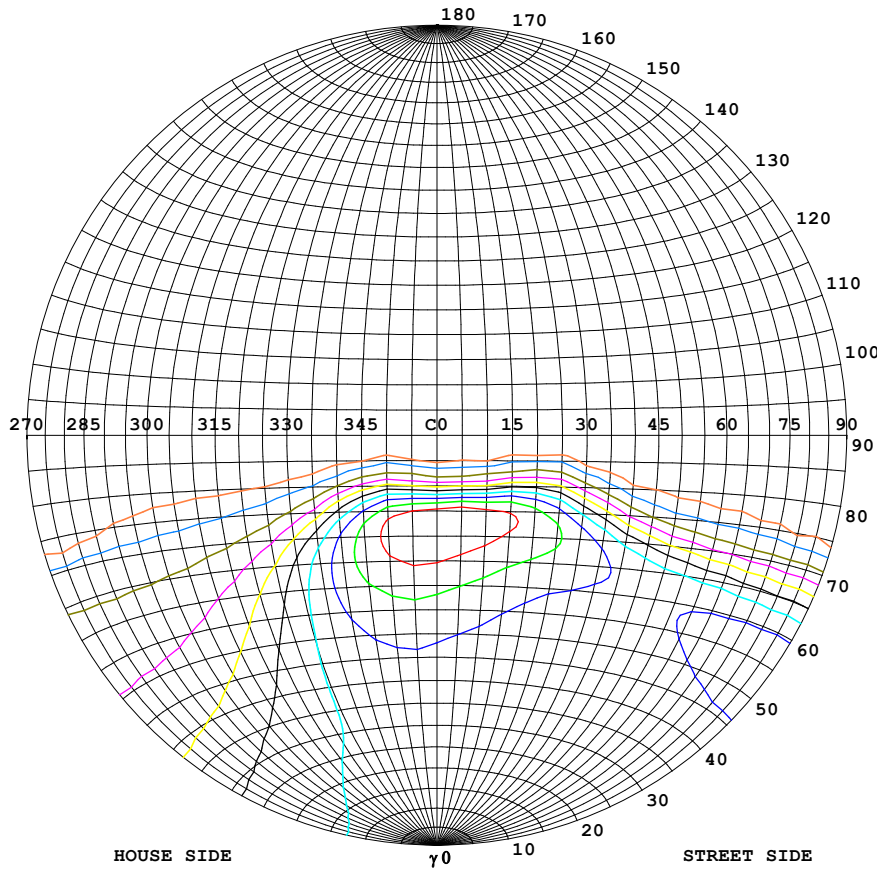


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



**Classification:**

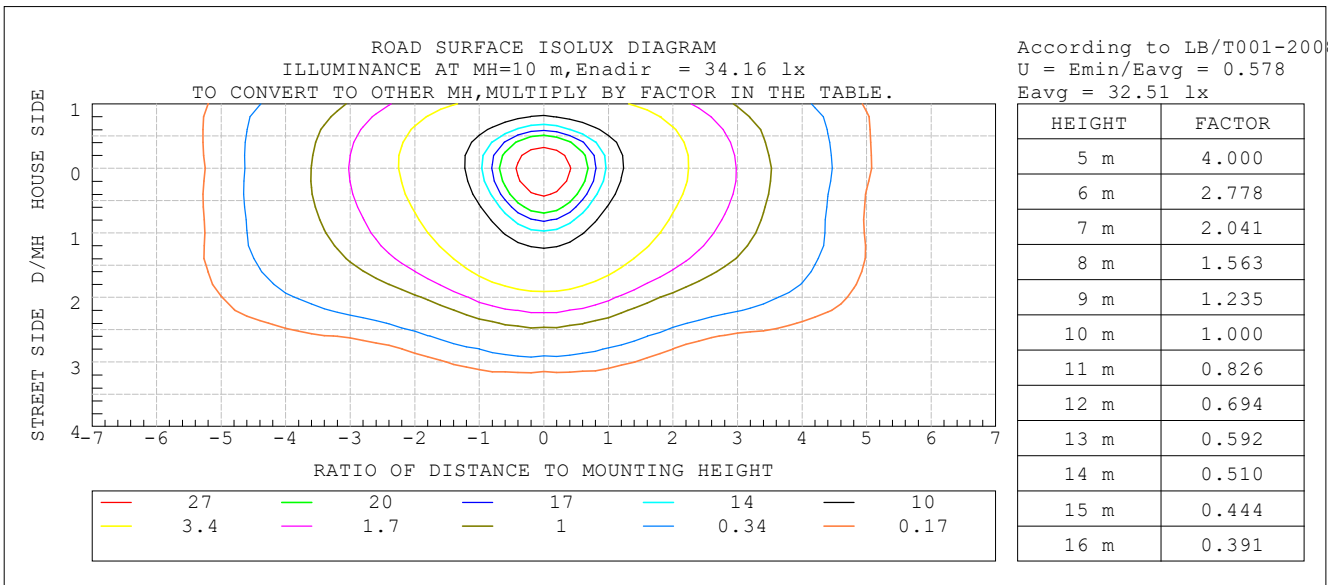
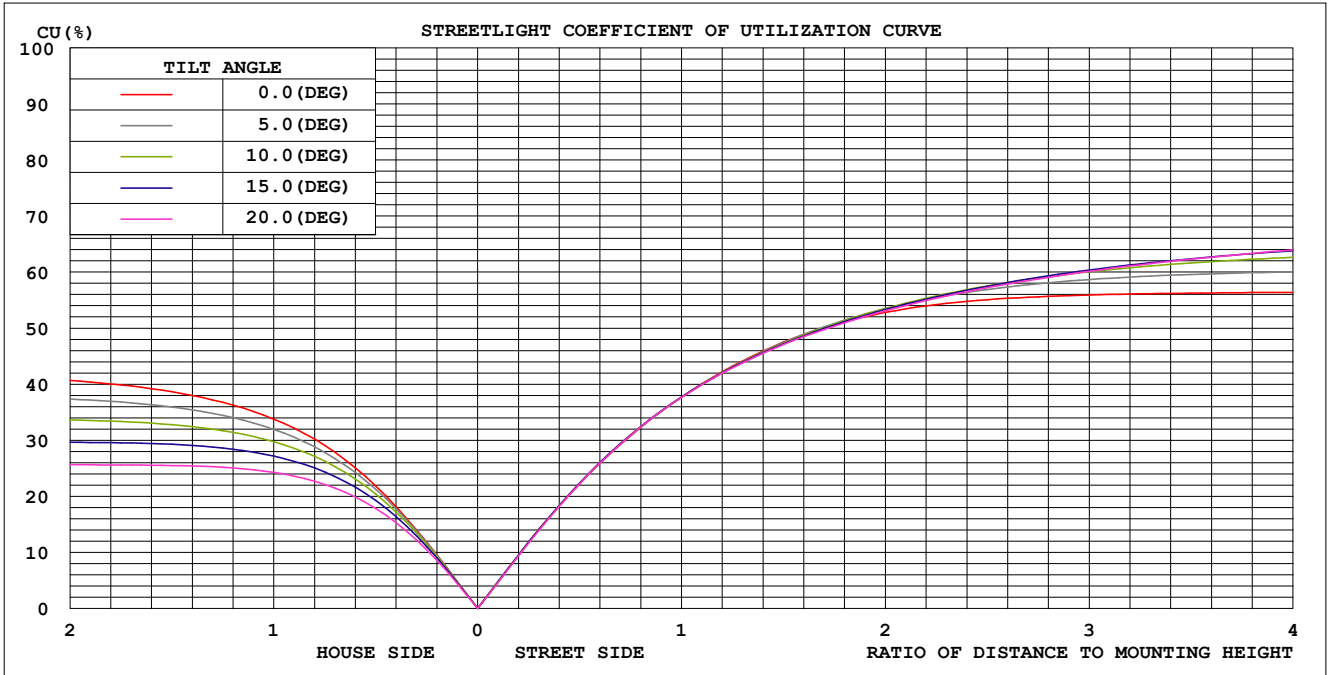
IES:Type III - Medium  
 CIE:Narrow - Long  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:173.7cd/klm  
 Max.At90:1.244cd/klm  
 Max.80-90:173.7cd/klm  
 NRB 5101:Semi limited[13.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5485
90%	4936
80%	4388
70%	3839
60%	3291
50%	2742
40%	2194
30%	1645
20%	1097
10%	548
5%	274

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: S  
 Test Date: 02 August 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.850m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

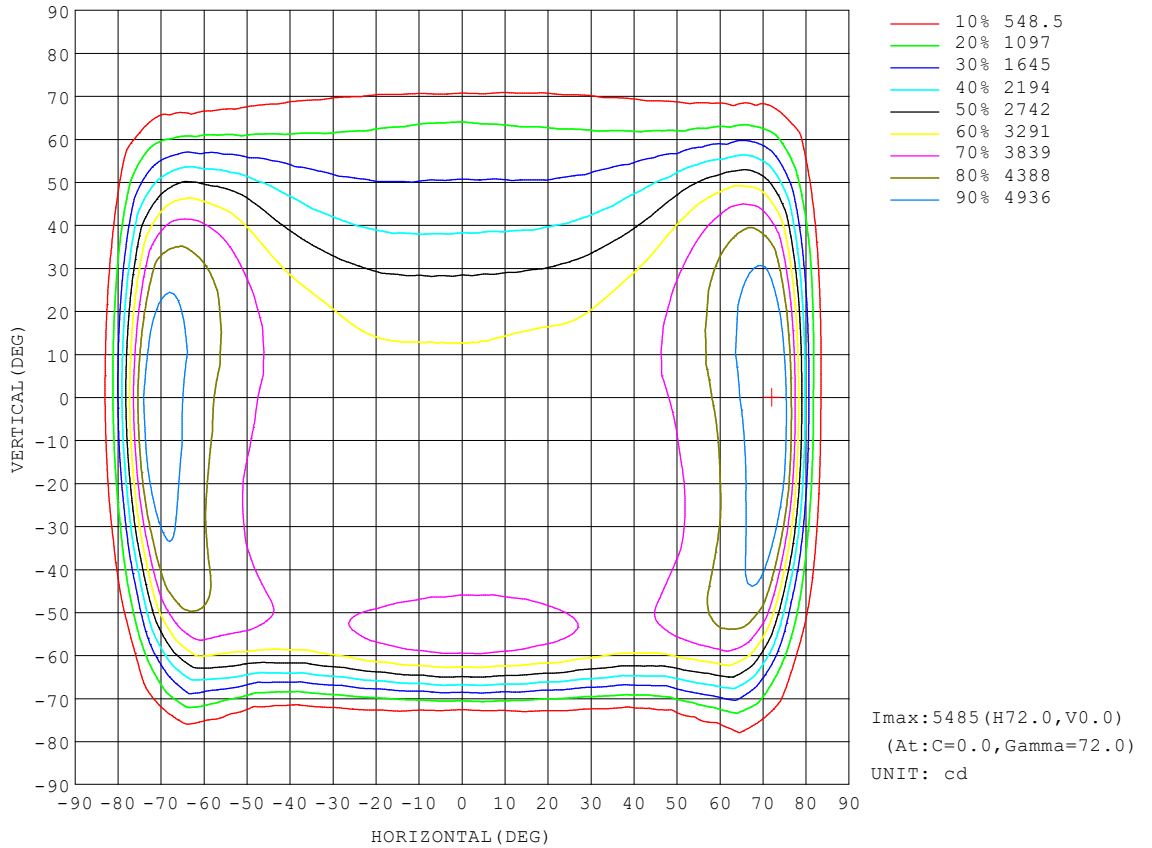
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3463	3451	3426	3423	3407	3375	3339	3402	0- 10	325.9	325.9	2.14,2.14
20	3482	3465	3471	3416	3414	3259	3097	3309	10- 20	960.8	1287	8.45,8.45
30	3508	3465	3534	3414	3484	3071	2658	3109	20- 30	1537	2824	18.6,18.6
40	3636	3461	3689	3449	3637	2791	2095	2819	30- 40	2033	4857	31.9,31.9
50	3915	3552	3989	3546	3937	2368	1669	2400	40- 50	2467	7324	48.1,48.1
60	4537	3753	3781	3763	4560	1819	1323	1855	50- 60	2887	10211	67.1,67.1
70	5386	2683	1238	2529	5260	962.0	632.2	1010	60- 70	2912	13123	86.2,86.2
80	2025	277.1	81.25	242.2	1665	167.7	80.80	220.1	70- 80	1742	14865	97.7,97.7
90	14.73	4.266	2.175	5.172	18.30	12.80	6.825	12.00	80- 90	209.1	15074	99,99
100	23.19	8.437	4.663	9.687	27.15	19.79	14.06	18.98	90-100	13.57	15088	99.1,99.1
110	28.77	13.96	8.297	15.26	32.48	26.85	22.64	26.27	100-110	19.89	15108	99.2,99.2
120	32.15	18.82	12.59	19.92	35.09	31.19	29.28	31.13	110-120	23.92	15132	99.4,99.4
130	31.67	22.62	17.22	22.46	34.35	32.13	33.71	33.89	120-130	24.71	15156	99.6,99.6
140	29.86	25.02	21.04	23.53	32.28	32.03	33.76	33.36	130-140	22.27	15179	99.7,99.7
150	29.35	26.83	24.18	25.19	31.76	31.88	33.03	32.94	140-150	18.31	15197	99.8,99.8
160	30.71	28.75	27.32	27.71	32.70	31.93	32.91	33.06	150-160	13.85	15211	99.9,99.9
170	33.28	31.21	30.49	30.91	34.55	32.81	33.45	33.84	160-170	8.934	15220	100,100
180	34.80	32.59	32.40	32.91	34.80	32.60	32.40	32.92	170-180	3.136	15223	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

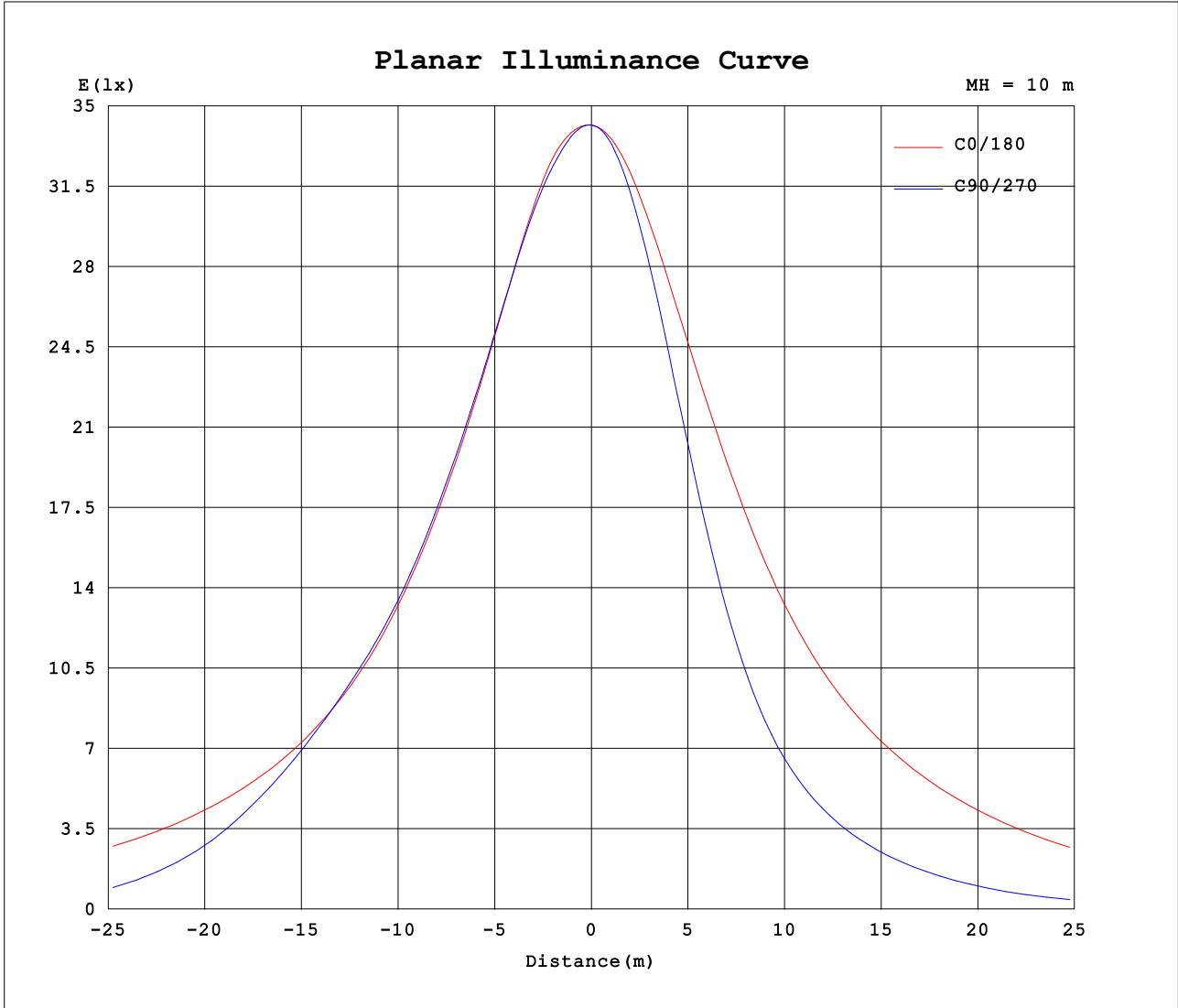
Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:02 August 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

**Planar Illuminance Curve**



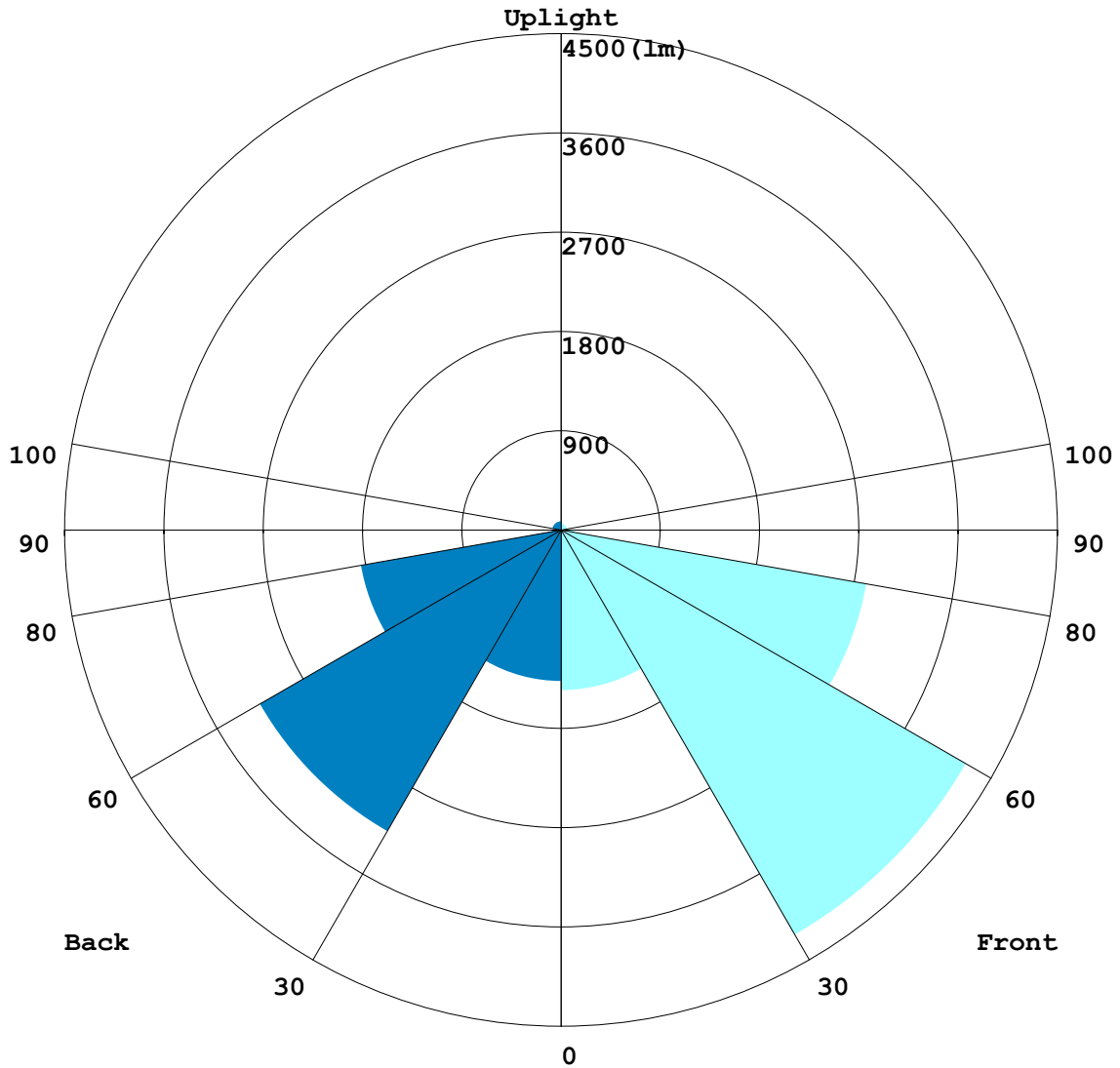
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: S  
 Test Date: 02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.850m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz		
Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1452.8	9.5
FM - Front-Medium(30-60)	4235.6	27.8
FH - Front-High(60-80)	2811.4	18.5
FVH - Front-Very High(80-90)	124.82	0.8
<b>Total Forward Light</b>	<b>8685.4</b>	<b>57.1</b>

BL - Back-Low(0-30)	1371.1	9.0
BM - Back-Medium(30-60)	3151.5	20.7
BH - Back-High(60-80)	1842.8	12.1
BVH - Back-Very High(80-90)	84.251	0.6
<b>Total Back Light</b>	<b>6537.3</b>	<b>42.9</b>

UL - Uplight-Low(90-100)	13.567	0.1
UH - Uplight-High(100-180)	135.01	0.9
<b>Total Up Light</b>	<b>148.58</b>	<b>1.0</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B3-U3-G3</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6449.6	87.737	6537.3
Street Side	8624.6	60.839	8685.4

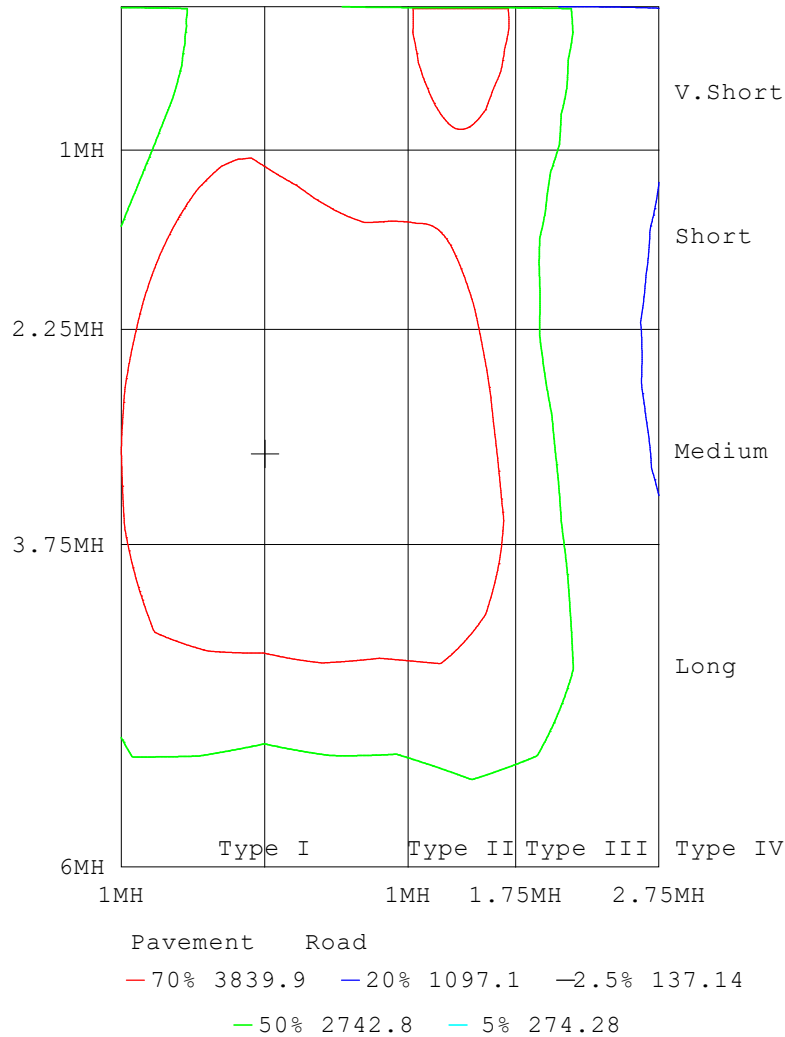
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**ROAD ISOCANDELA REPORT**

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz		
Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3416	3415	3417	3415	3417	3416	3415	3416	3416	3417	3417	3416	3417	3416	3418	3417	3418	3416	3417
5	3434	3434	3436	3434	3435	3433	3434	3431	3431	3431	3429	3428	3427	3425	3425	3422	3423	3421	3422
10	3463	3463	3465	3463	3463	3461	3460	3456	3455	3451	3449	3446	3443	3438	3437	3433	3431	3428	3426
15	3480	3481	3481	3478	3479	3472	3472	3470	3467	3464	3465	3463	3463	3461	3460	3457	3456	3452	3450
20	3482	3483	3481	3478	3474	3467	3464	3465	3465	3465	3468	3469	3472	3474	3476	3477	3478	3474	3471
25	3485	3484	3482	3477	3468	3459	3457	3461	3464	3467	3474	3478	3483	3487	3493	3496	3499	3498	3495
30	3508	3501	3495	3481	3467	3455	3451	3450	3454	3465	3476	3482	3490	3501	3514	3524	3534	3534	3534
35	3556	3539	3520	3495	3472	3453	3441	3437	3445	3459	3474	3491	3515	3536	3559	3574	3594	3599	3600
40	3636	3605	3571	3532	3496	3465	3447	3439	3446	3461	3487	3522	3563	3597	3636	3657	3681	3685	3689
45	3747	3701	3652	3598	3545	3497	3470	3457	3468	3488	3532	3580	3637	3689	3738	3769	3799	3805	3810
50	3915	3847	3782	3702	3627	3560	3526	3511	3523	3552	3609	3671	3747	3814	3878	3920	3961	3976	3989
55	4179	4076	3983	3868	3768	3677	3638	3612	3621	3652	3710	3778	3859	3932	3991	4038	4073	4090	4090
60	4537	4404	4270	4112	3993	3894	3842	3780	3756	3753	3761	3781	3794	3809	3793	3803	3786	3805	3781
65	4972	4830	4674	4480	4345	4204	4094	3936	3762	3602	3422	3303	3137	3044	2890	2835	2756	2780	2721
70	5386	5277	5102	4866	4688	4466	4127	3683	3133	2683	2221	1981	1722	1609	1416	1384	1301	1311	1238
75	5096	5197	5041	4896	4548	4024	3226	2410	1573	1079	730	611	494	456	384	375	232	285	196
80	2025	2160	2248	2644	2638	2266	1385	745	344	277	215	192	160	138	112	97.4	86.4	86.5	81.2
85	193	288	260	502	493	520	174	101	68.1	63.1	48.5	42.1	29.8	26.8	18.9	16.7	11.6	12.3	9.53
90	14.7	13.9	13.1	11.7	10.6	9.07	7.81	6.34	5.24	4.27	3.73	3.36	3.09	2.78	2.57	2.36	2.23	2.18	2.17
95	18.9	17.9	17.0	15.4	14.0	12.2	10.6	8.85	7.40	5.98	5.11	4.36	3.99	3.64	3.50	3.32	3.29	3.21	3.27
100	23.2	22.1	20.9	19.3	17.7	15.8	14.0	11.9	10.2	8.44	7.27	6.24	5.71	5.20	5.01	4.76	4.71	4.60	4.66
105	26.1	25.0	23.9	22.3	20.9	19.1	17.2	15.1	13.1	11.2	9.79	8.49	7.79	7.11	6.84	6.53	6.48	6.34	6.43
110	28.8	27.6	26.5	25.0	23.6	21.8	20.1	17.9	16.0	14.0	12.4	11.0	10.1	9.23	8.86	8.45	8.37	8.20	8.30
115	31.1	30.0	28.7	27.1	25.7	23.9	22.3	20.3	18.5	16.5	15.0	13.4	12.4	11.5	11.0	10.5	10.4	10.2	10.3
120	32.2	31.2	30.1	28.7	27.5	25.9	24.3	22.4	20.7	18.8	17.3	15.8	14.8	13.8	13.3	12.8	12.7	12.5	12.6
125	32.4	31.7	31.0	30.0	28.9	27.5	26.0	24.2	22.6	20.9	19.5	18.2	17.2	16.3	15.8	15.3	15.2	14.9	15.0
130	31.7	31.3	30.9	30.3	29.4	28.3	27.0	25.5	24.1	22.6	21.4	20.2	19.4	18.5	18.1	17.6	17.4	17.2	17.2
135	30.7	30.5	30.3	29.9	29.3	28.4	27.4	26.2	25.1	24.0	22.9	21.9	21.2	20.5	20.1	19.6	19.4	19.2	19.2
140	29.9	29.8	29.8	29.5	29.0	28.3	27.5	26.7	25.8	25.0	24.2	23.4	22.8	22.2	21.9	21.4	21.2	21.0	21.0
145	29.4	29.4	29.5	29.2	28.8	28.3	27.8	27.2	26.6	25.9	25.3	24.8	24.3	23.8	23.5	23.1	22.9	22.7	22.7
150	29.3	29.5	29.5	29.3	29.0	28.6	28.2	27.8	27.3	26.8	26.4	25.9	25.5	25.2	24.9	24.6	24.4	24.2	24.2
155	29.7	29.9	29.9	29.7	29.4	29.2	28.9	28.5	28.1	27.7	27.4	27.0	26.7	26.4	26.2	26.0	25.8	25.7	25.7
160	30.7	30.9	30.8	30.6	30.4	30.1	29.8	29.4	29.0	28.7	28.5	28.3	28.1	27.9	27.7	27.5	27.4	27.3	27.3
165	32.0	32.1	32.0	31.8	31.5	31.2	30.8	30.5	30.1	29.9	29.7	29.6	29.4	29.3	29.2	29.1	29.0	28.9	28.9
170	33.3	33.2	33.1	32.9	32.6	32.2	31.9	31.7	31.4	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.5	30.5	30.5
175	34.2	34.1	33.9	33.6	33.2	32.9	32.6	32.4	32.2	32.0	31.9	31.9	31.8	31.7	31.6	31.6	31.5	31.5	31.5
180	34.8	34.6	34.2	33.8	33.5	33.2	33.0	32.8	32.7	32.6	32.5	32.5	32.4	32.3	32.3	32.3	32.3	32.3	32.4

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3417	3419	3418	3419	3418	3418	3418	3418	3418	3418	3418	3417	3417	3417	3417	3417	3417	3416	3415
5	3421	3421	3421	3421	3421	3421	3420	3421	3420	3420	3418	3418	3417	3416	3415	3415	3413	3411	3409
10	3425	3425	3424	3424	3424	3424	3423	3423	3423	3422	3420	3420	3418	3416	3414	3412	3411	3407	3406
15	3445	3441	3437	3434	3431	3431	3428	3426	3422	3419	3416	3414	3412	3411	3413	3411	3411	3406	3404
20	3465	3458	3450	3442	3436	3432	3425	3421	3416	3411	3407	3406	3407	3411	3414	3416	3417	3414	3409
25	3487	3481	3472	3463	3451	3443	3431	3421	3412	3403	3400	3400	3406	3415	3424	3432	3439	3438	3435
30	3524	3517	3505	3494	3480	3464	3446	3430	3414	3404	3400	3405	3414	3429	3446	3467	3481	3484	3485
35	3584	3574	3557	3541	3516	3492	3467	3448	3428	3414	3409	3418	3433	3455	3481	3516	3542	3551	3556
40	3674	3660	3635	3608	3569	3532	3497	3473	3449	3437	3433	3441	3463	3494	3531	3582	3622	3637	3654
45	3793	3777	3739	3701	3647	3601	3551	3511	3482	3468	3466	3477	3502	3550	3605	3675	3731	3759	3790
50	3972	3956	3909	3855	3781	3718	3650	3592	3546	3527	3522	3541	3574	3644	3721	3823	3901	3937	3985
55	4081	4060	4026	3975	3915	3854	3777	3713	3663	3641	3636	3668	3715	3806	3908	4052	4163	4206	4276
60	3798	3770	3783	3764	3775	3755	3756	3749	3763	3786	3818	3873	3941	4051	4181	4357	4504	4560	4637
65	2781	2731	2812	2824	2948	3016	3192	3316	3537	3731	3937	4098	4210	4338	4497	4711	4892	4943	4980
70	1278	1261	1324	1343	1506	1590	1837	2064	2529	2980	3523	3941	4318	4576	4806	5042	5244	5260	5181
75	285	239	373	380	439	463	552	633	919	1372	2195	2933	3714	4112	4386	4369	4502	4590	4344
80	85.5	84.6	94.9	112	134	150	180	190	242	291	627	1218	1910	2049	1991	1586	1499	1665	1754
85	11.5	10.3	13.9	14.4	20.1	21.9	31.1	34.3	45.8	47.7	79.0	147	358	301	315	159	90.1	118	168
90	2.21	2.34	2.53	2.83	3.11	3.47	3.84	4.41	5.17	6.38	7.55	9.15	10.5	12.1	13.3	14.6	15.3	18.3	18.9
95	3.25	3.38	3.45	3.69	3.92	4.40	4.95	5.98	7.11	8.77	10.3	12.2	13.9	15.7	17.2	18.7	19.6	22.9	23.6
100	4.65	4.83	4.92	5.26	5.55	6.21	6.95	8.27	9.69	11.6	13.5	15.6	17.5	19.4	21.0	22.6	23.8	27.2	27.7
105	6.40	6.63	6.73	7.14	7.53	8.40	9.32	10.9	12.5	14.6	16.6	18.8	20.6	22.4	23.9	25.5	26.5	29.9	30.5
110	8.27	8.54	8.70	9.23	9.73	10.8	11.8	13.5	15.3	17.5	19.4	21.5	23.2	25.0	26.5	28.1	29.2	32.5	33.2
115	10.3	10.7	10.8	11.4	12.0	13.2	14.3	16.1	17.8	19.8	21.6	23.6	25.2	27.0	28.5	30.1	31.4	34.4	35.0
120	12.6	13.0	13.1	13.8	14.4	15.5	16.7	18.3	19.9	21.8	23.4	25.1	26.7	28.1	29.6	31.0	32.2	35.1	35.7
125	15.0	15.4	15.6	16.1	16.7	17.7	18.8	20.2	21.5	22.9	24.3	25.5	26.8	28.0	29.3	30.6	31.9	35.1	35.6
130	17.2	17.6	17.8	18.3	18.8	19.6	20.4	21.4	22.5	23.4	24.4	25.3	26.3	27.4	28.6	29.9	31.1	34.4	34.6
135	19.3	19.5	19.8	20.2	20.6	21.1	21.7	22.3	23.0	23.7	24.4	25.2	26.1	27.1	28.2	29.4	30.3	33.1	33.3
140	21.1	21.3	21.4	21.8	22.1	22.4	22.7	23.1	23.5	24.0	24.6	25.2	26.1	27.1	28.0	29.0	29.7	32.3	32.3
145	22.7	22.8	22.9	23.1	23.3	23.6	23.8	24.0	24.3	24.7	25.2	25.8	26.5	27.2	28.0	28.7	29.3	31.8	31.8
150	24.2	24.2	24.2	24.3	24.4	24.6	24.8	24.9	25.2	25.5	25.9	26.4	27.0	27.6	28.2	28.7	29.3	31.8	31.6
155	25.6	25.6	25.5	25.5	25.5	25.7	25.8	26.0	26.3	26.6	26.9	27.3	27.7	28.2	28.7	29.2	29.7	32.0	31.9
160	27.2	27.2	27.1	27.1	27.1	27.2	27.3	27.5	27.7	28.0	28.2	28.6	28.9	29.4	29.7	30.2	30.7	32.7	32.5
165	28.9	28.9	28.8	28.8	28.7	28.8	28.9	29.1	29.2	29.5	29.7	30.0	30.3	30.7	31.0	31.4	31.9	33.5	33.3
170	30.5	30.5	30.4	30.4	30.5	30.5	30.6	30.8	30.9	31.1	31.3	31.6	31.9	32.2	32.5	32.9	33.5	34.5	34.1
175	31.6	31.6	31.6	31.6	31.7	31.7	31.8	31.9	32.1	32.3	32.5	32.8	33.0	33.2	33.5	34.0	34.6	34.8	34.5
180	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.7	32.9	33.0	33.3	33.5	33.6	33.9	34.2	34.6	35.1	34.8	34.6

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--3 UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3417	3415	3417	3416	3415	3416	3416	3417	3417	3416	3417	3416	3418	3417	3418	3416	3417	3417	3419
5	3409	3408	3408	3406	3404	3402	3402	3401	3400	3397	3397	3394	3395	3393	3395	3394	3396	3396	3399
10	3405	3402	3400	3396	3391	3386	3381	3375	3370	3362	3359	3351	3349	3341	3341	3336	3339	3338	3344
15	3399	3392	3386	3376	3368	3355	3343	3327	3315	3297	3287	3269	3262	3247	3245	3238	3243	3239	3249
20	3400	3389	3376	3359	3340	3314	3288	3259	3235	3204	3183	3154	3136	3111	3104	3092	3097	3095	3113
25	3425	3408	3386	3357	3320	3274	3227	3177	3130	3076	3037	2990	2960	2925	2914	2895	2903	2900	2926
30	3472	3452	3417	3374	3312	3237	3159	3071	2990	2904	2842	2773	2735	2686	2673	2648	2658	2657	2692
35	3543	3518	3474	3411	3319	3205	3082	2947	2823	2694	2605	2516	2465	2411	2392	2366	2377	2381	2420
40	3642	3610	3544	3450	3317	3154	2981	2791	2626	2462	2349	2243	2186	2129	2111	2087	2095	2098	2137
45	3771	3724	3627	3485	3291	3063	2836	2595	2397	2215	2092	1984	1932	1884	1872	1851	1858	1859	1888
50	3961	3894	3747	3538	3257	2951	2656	2368	2153	1971	1859	1764	1720	1682	1679	1662	1669	1666	1689
55	4241	4133	3906	3599	3215	2803	2440	2114	1900	1732	1637	1557	1528	1500	1505	1497	1504	1498	1510
60	4562	4391	4064	3628	3104	2569	2147	1819	1627	1479	1408	1341	1332	1310	1323	1313	1323	1297	1308
65	4844	4543	4072	3434	2774	2138	1725	1443	1289	1163	1101	1039	1028	1010	1027	1022	1031	1010	1017
70	4910	4374	3650	2729	1982	1427	1159	962	863	764	726	669	659	627	633	611	632	618	649
75	4107	3338	2429	1477	989	698	577	478	437	384	366	329	277	171	155	150	154	153	164
80	1876	1385	796	441	317	191	179	168	170	153	140	99.2	88.7	81.0	81.2	78.3	80.8	79.6	84.2
85	295	153	95.6	60.9	55.3	43.5	37.8	31.8	32.9	28.6	27.2	23.0	23.1	19.2	20.2	17.5	20.2	19.3	23.7
90	18.7	18.6	17.7	16.9	15.7	14.8	13.6	12.8	11.8	11.2	10.1	9.05	8.16	7.54	6.88	6.77	6.82	6.86	7.57
95	23.3	22.9	21.8	20.8	19.4	18.2	16.8	15.6	14.2	13.2	12.0	11.4	10.8	10.5	10.2	10.2	9.95	10.1	10.0
100	27.4	26.9	25.8	24.7	23.4	22.3	20.9	19.8	18.4	17.4	16.2	15.6	14.9	14.7	14.3	14.3	14.1	14.2	14.1
105	30.2	29.8	28.8	27.8	26.7	25.8	24.7	23.7	22.5	21.6	20.5	19.9	19.2	19.1	18.7	18.7	18.5	18.7	18.5
110	33.0	32.6	31.7	30.7	29.5	28.7	27.6	26.9	25.9	25.1	24.2	23.7	23.2	23.0	22.8	22.8	22.6	22.8	22.7
115	35.0	34.6	33.8	32.8	31.8	31.0	30.0	29.3	28.4	27.8	27.0	26.7	26.3	26.3	26.2	26.3	26.2	26.3	26.1
120	35.9	35.6	34.9	34.1	33.3	32.6	31.8	31.2	30.5	29.9	29.3	29.1	28.9	29.1	29.3	29.4	29.3	29.4	29.2
125	35.7	35.5	34.9	34.2	33.5	32.9	32.5	32.0	31.7	31.4	31.2	31.2	31.3	31.7	31.9	32.1	32.0	32.1	31.9
130	34.7	34.6	34.2	33.7	33.2	32.8	32.4	32.1	32.0	32.0	32.1	32.4	32.8	33.3	33.5	33.7	33.7	33.8	33.7
135	33.4	33.4	33.2	33.0	32.7	32.4	32.2	32.0	32.0	32.0	32.3	32.6	33.1	33.5	33.8	34.0	34.1	34.2	34.1
140	32.4	32.4	32.4	32.3	32.2	32.2	32.1	32.0	32.1	32.1	32.4	32.6	32.9	33.2	33.5	33.7	33.8	33.8	33.8
145	31.7	31.8	31.7	31.8	31.8	31.9	31.9	32.0	32.1	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.4	33.4	33.3
150	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.9	32.0	32.2	32.3	32.4	32.5	32.8	32.9	33.1	33.0	33.0	33.0
155	31.8	31.7	31.6	31.6	31.7	31.7	31.7	31.8	32.0	32.1	32.1	32.2	32.4	32.6	32.7	32.8	32.8	32.9	32.9
160	32.2	32.0	31.9	31.9	31.9	31.8	31.9	31.9	32.0	32.1	32.1	32.2	32.4	32.6	32.7	32.9	32.9	32.9	32.9
165	32.9	32.7	32.5	32.4	32.3	32.3	32.3	32.3	32.4	32.4	32.6	32.6	32.8	33.0	33.1	33.2	33.3	33.3	33.4
170	33.8	33.4	33.2	33.0	32.9	32.8	32.8	32.8	32.8	32.8	33.0	33.0	33.1	33.2	33.3	33.4	33.4	33.6	33.6
175	34.1	33.7	33.4	33.1	33.0	32.9	32.8	32.8	32.6	32.7	32.7	32.7	32.7	32.8	32.8	32.9	33.0	33.1	33.1
180	34.2	33.8	33.5	33.2	33.0	32.9	32.7	32.6	32.5	32.4	32.4	32.3	32.3	32.3	32.4	32.4	32.5	32.5	32.5

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 5.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:S	Test Distance:7.850m [K=1.0000]
Test Date:02 August 2024	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.28V I:0.3858A P:101.93W PF:0.9528 Freq:49.98Hz Lamp Flux:15222.7x1 lm		
NAME: ASD-LSB5R-PRO-100BK	TYPE:	WEIGHT:
SPEC.: 100W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--4

UNIT: cd

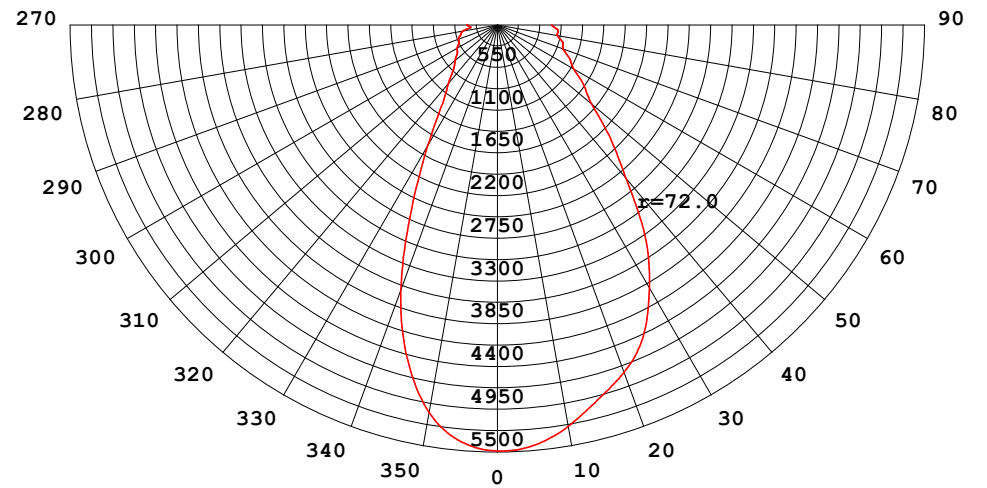
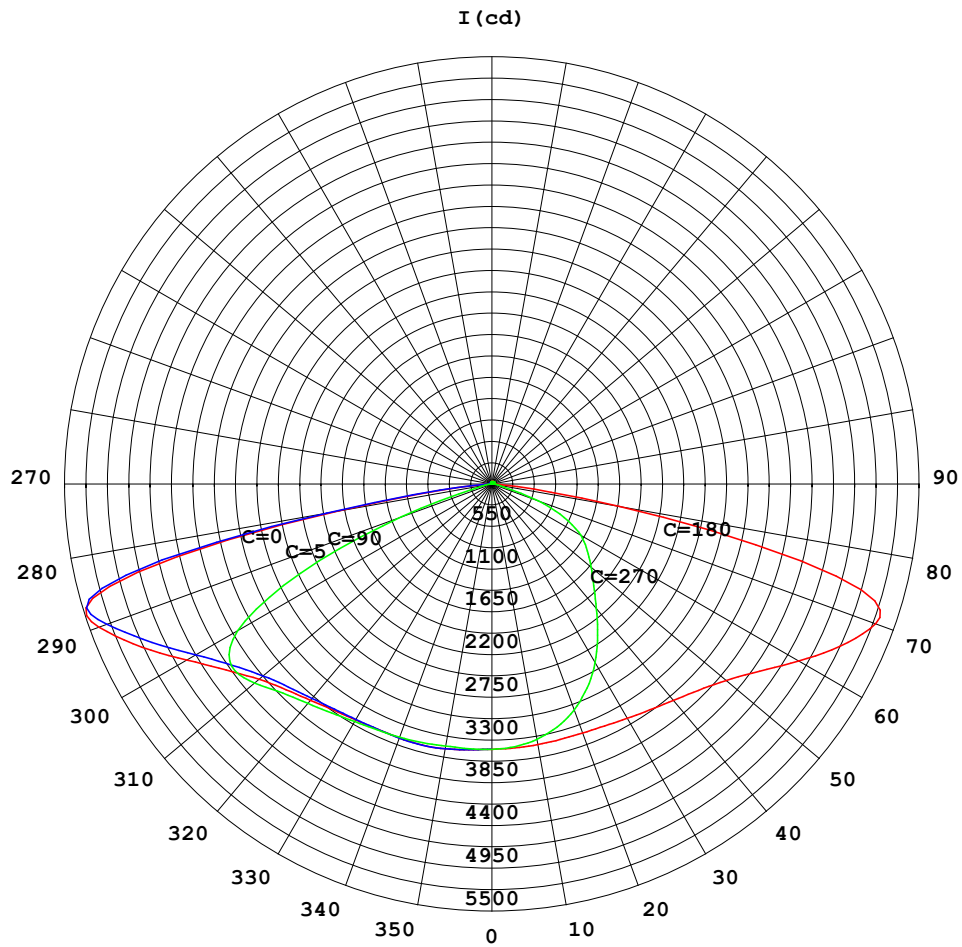
C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3418	3419	3418	3418	3418	3418	3418	3418	3418	3417	3417	3417	3417	3417	3417				
5	3399	3403	3404	3408	3410	3414	3416	3420	3422	3425	3428	3429	3433	3432	3436				
10	3346	3354	3360	3372	3381	3394	3402	3414	3424	3433	3442	3448	3455	3459	3463				
15	3253	3269	3280	3304	3322	3347	3367	3390	3409	3428	3443	3456	3468	3474	3480				
20	3122	3149	3171	3207	3238	3276	3309	3346	3376	3405	3429	3448	3465	3475	3482				
25	2943	2982	3016	3070	3117	3175	3225	3280	3326	3371	3407	3437	3460	3476	3485				
30	2712	2766	2811	2887	2952	3035	3109	3191	3262	3332	3393	3441	3477	3496	3510				
35	2446	2509	2565	2660	2748	2865	2971	3094	3207	3315	3407	3477	3528	3553	3565				
40	2161	2223	2285	2395	2510	2666	2819	2997	3159	3314	3444	3537	3608	3644	3657				
45	1904	1959	2017	2128	2253	2436	2633	2872	3093	3307	3485	3619	3715	3768	3785				
50	1697	1738	1784	1881	1994	2179	2400	2695	2982	3278	3536	3733	3879	3951	3973				
55	1507	1534	1567	1653	1754	1931	2153	2478	2834	3238	3606	3893	4105	4212	4252				
60	1298	1333	1355	1421	1499	1656	1855	2193	2612	3146	3647	4055	4354	4522	4604				
65	1012	1046	1069	1138	1200	1330	1483	1775	2212	2872	3538	4147	4598	4874	5014				
70	646	686	699	754	792	894	1010	1229	1542	2203	3017	3917	4612	5094	5360				
75	191	320	357	403	421	474	527	640	790	1172	1828	2879	3877	4633	4936				
80	85.9	98.4	124	171	189	212	220	244	299	408	576	1129	1845	2373	2214				
85	24.2	30.5	32.0	43.4	50.3	51.4	47.3	54.4	61.9	78.2	106	177	252	472	311				
90	7.78	8.72	9.24	9.95	10.6	11.2	12.0	12.8	13.7	14.5	15.4	16.1	17.0	17.3	17.6				
95	10.3	10.5	11.1	11.6	12.6	13.6	14.8	15.9	17.2	18.2	19.4	20.3	21.4	21.8	22.2				
100	14.5	14.6	15.3	15.7	16.8	17.6	19.0	20.0	21.3	22.2	23.4	24.4	25.5	26.1	26.5				
105	18.9	18.9	19.6	20.0	21.0	21.8	23.0	23.9	24.9	25.7	26.7	27.7	28.7	29.3	29.7				
110	22.9	23.0	23.4	23.8	24.6	25.3	26.3	27.0	27.9	28.7	29.8	30.6	31.6	32.1	32.3				
115	26.1	26.1	26.5	26.8	27.5	28.0	28.8	29.4	30.4	31.1	32.1	33.0	33.9	34.4	34.5				
120	29.0	28.7	29.0	29.1	29.7	30.3	31.1	31.8	32.7	33.3	34.1	34.5	35.0	35.3	35.3				
125	31.7	31.2	31.3	31.4	31.8	32.2	33.0	33.7	34.4	35.0	35.4	35.6	35.7	35.6	35.3				
130	33.6	33.1	32.9	32.9	33.2	33.5	33.9	34.4	34.9	35.3	35.6	35.7	35.5	35.3	34.7				
135	34.1	33.8	33.5	33.4	33.5	33.6	33.8	34.0	34.2	34.5	34.7	34.8	34.7	34.4	33.8				
140	33.8	33.6	33.5	33.2	33.2	33.2	33.4	33.4	33.5	33.6	33.8	33.9	33.9	33.5	33.0				
145	33.3	33.3	33.2	33.0	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.2	32.9	32.5				
150	33.0	33.0	33.0	32.9	32.9	32.9	32.9	33.1	33.1	33.1	33.0	33.0	32.9	32.8	32.4				
155	32.9	32.8	32.8	32.8	32.8	32.9	32.9	33.1	33.2	33.3	33.2	33.1	33.0	32.9	32.6				
160	32.9	33.0	32.9	32.9	32.9	33.0	33.1	33.2	33.4	33.7	33.8	33.7	33.6	33.5	33.3				
165	33.3	33.3	33.3	33.3	33.4	33.5	33.5	33.7	33.8	34.1	34.4	34.6	34.6	34.6	34.4				
170	33.6	33.6	33.6	33.7	33.7	33.8	33.8	34.1	34.3	34.5	34.8	35.1	35.4	35.4	35.4				
175	33.1	33.2	33.2	33.2	33.3	33.4	33.5	33.7	33.9	34.1	34.4	34.7	35.2	35.4	35.5				
180	32.5	32.5	32.5	32.6	32.7	32.7	32.9	33.1	33.3	33.5	33.7	33.9	34.2	34.6	35.2				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:02 August 2024

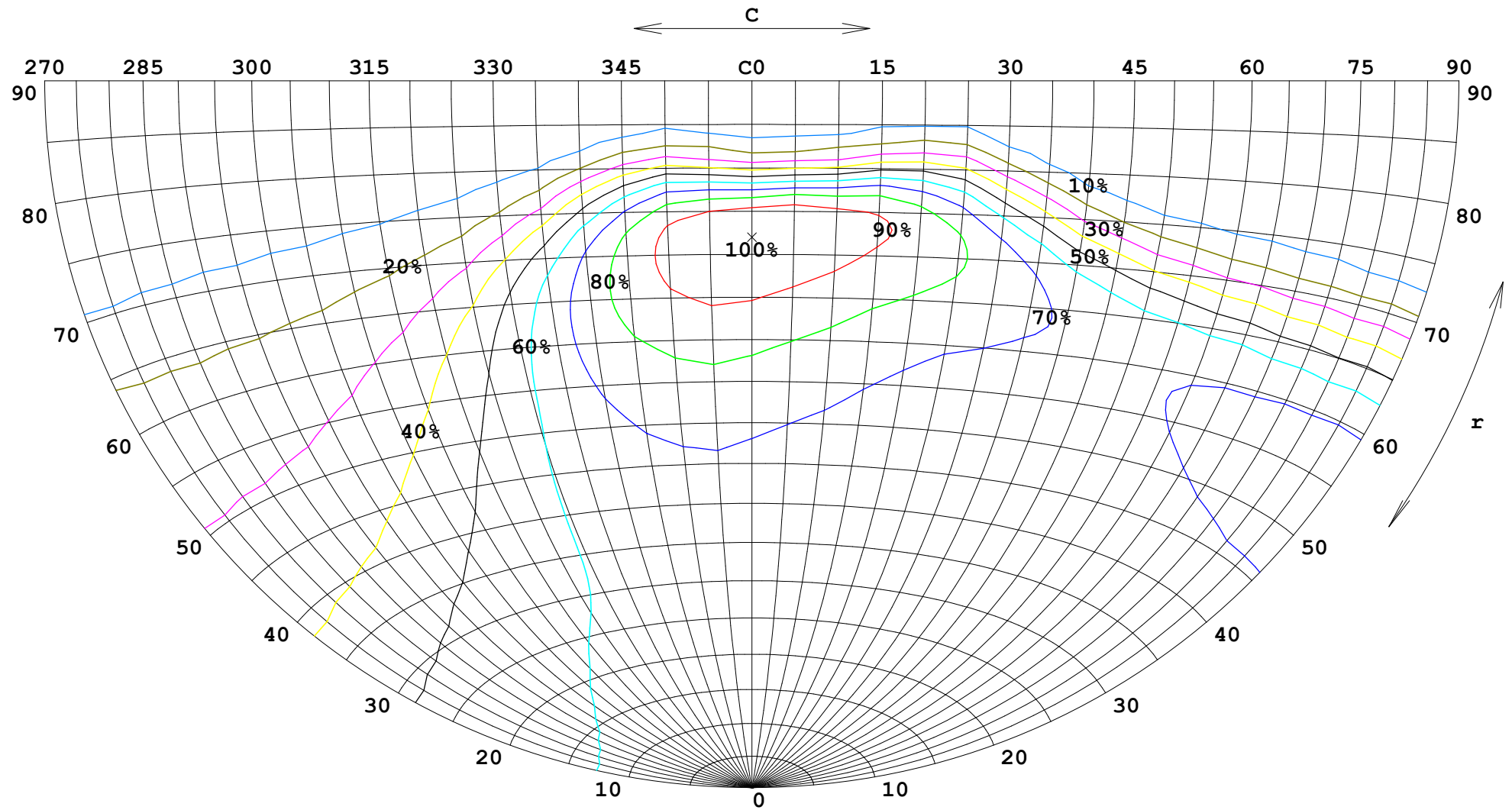
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**FLUX DATA:**

LOR: 100.0 %  
 STREET DOWN: 8625 lm  
 STREET UP: 60.84 lm  
 HOUSE DOWN: 6450 lm  
 HOUSE UP: 87.74 lm



$I_{max}(100\%) = 5485 \text{ cd}$



$E_{\max}(100\%) = 34.16 \text{ lx}$        $H = 10\text{m}$

