

Luminaire Photograph

LED STREET LIGHT SL880 LED
FEELIGHT TECH CO., LIMITED



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2011-01-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: SL880-200W, 90LM/W

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

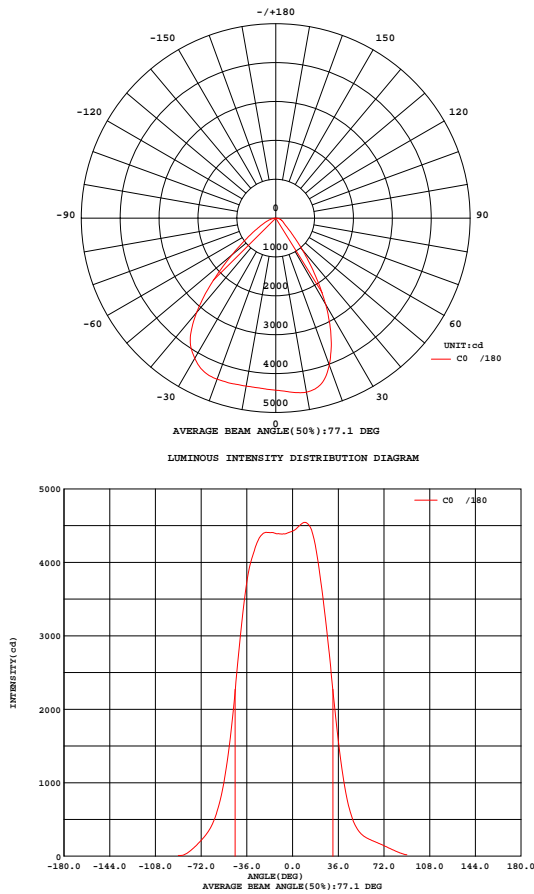


Fig. C0/C180

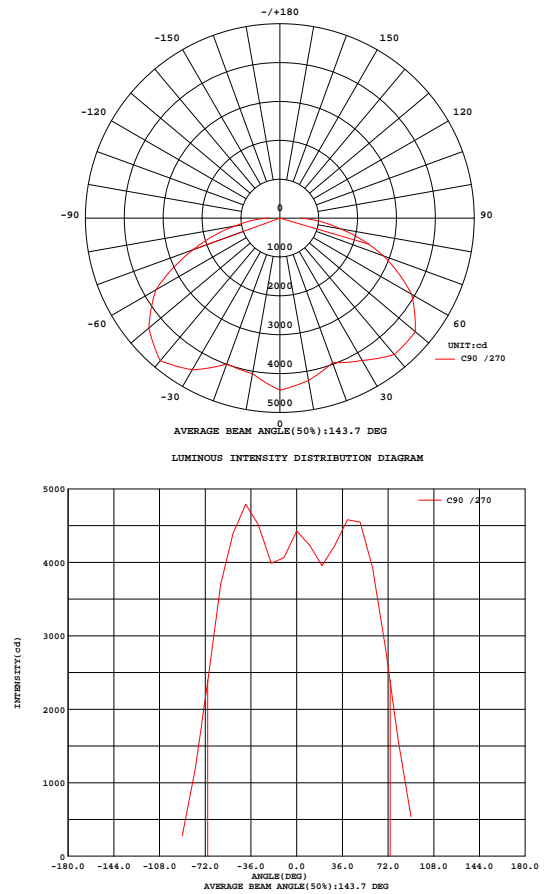


Fig. C90/C270

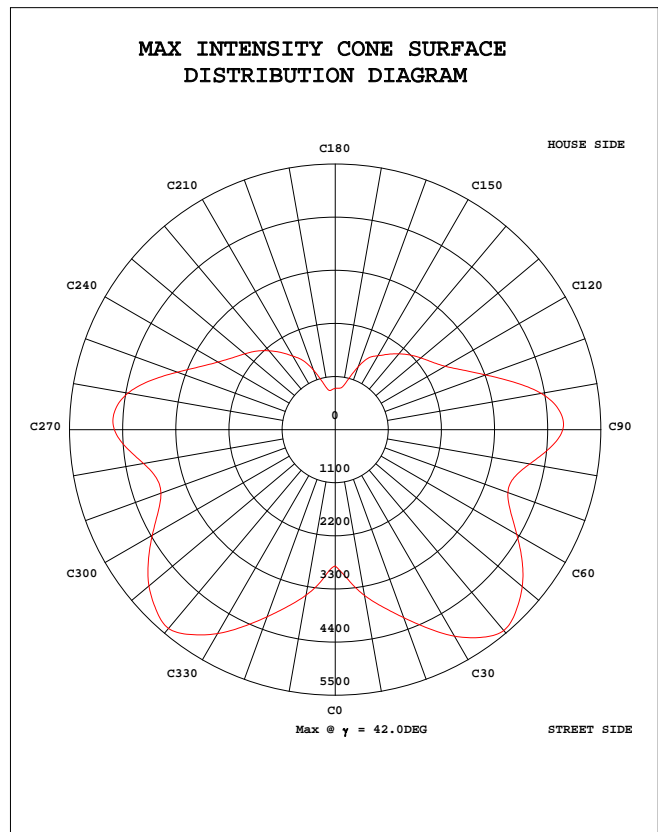
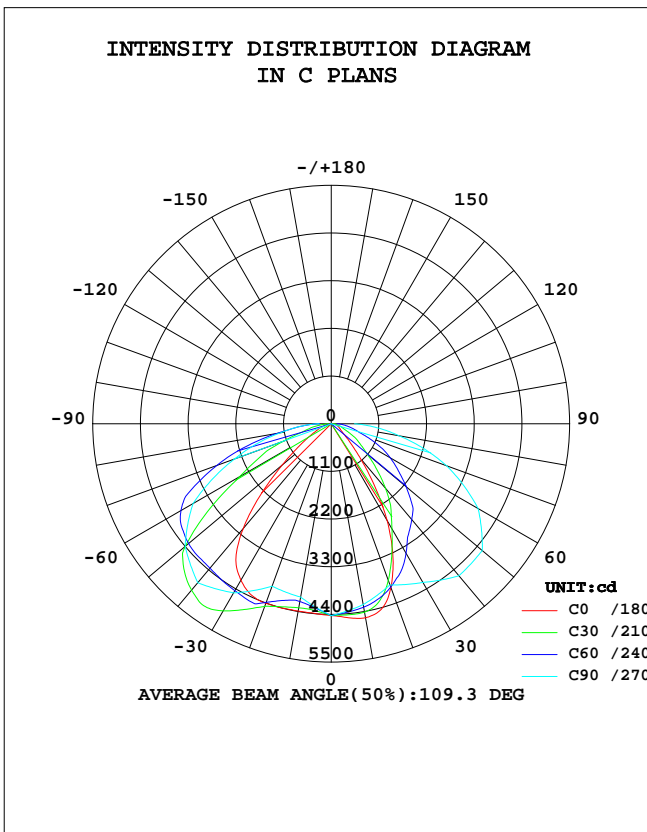
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STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:224.5V I:0.9980A P:200.0W PF:0.9480 Lamp Flux:14600x1 lm		
NAME: LED STREET LIGHT	TYPE:SL880	WEIGHT:18.1KGS
DIMENSION: 868mm*386mm*139mm	SPECIFICATION:LED	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL880-200W	Imax(cd)	5429	η street_up(%)	0.0
NOMINAL POWER(W)	220	EFFICIENCY(%)	92.0	η street_down(%)	60.2
RATED VOLTAGE(V)	224	TOTAL FLUX(lm)	13434	η house_up(%)	0.0
NOMINAL FLUX(lm)	14600	MAXIMUM @(C, γ)	40,42.0	η house_down(%)	31.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.0010
TEST VOLTAGE(V)	224.1	η down(%)	92.0	SLI	17.440



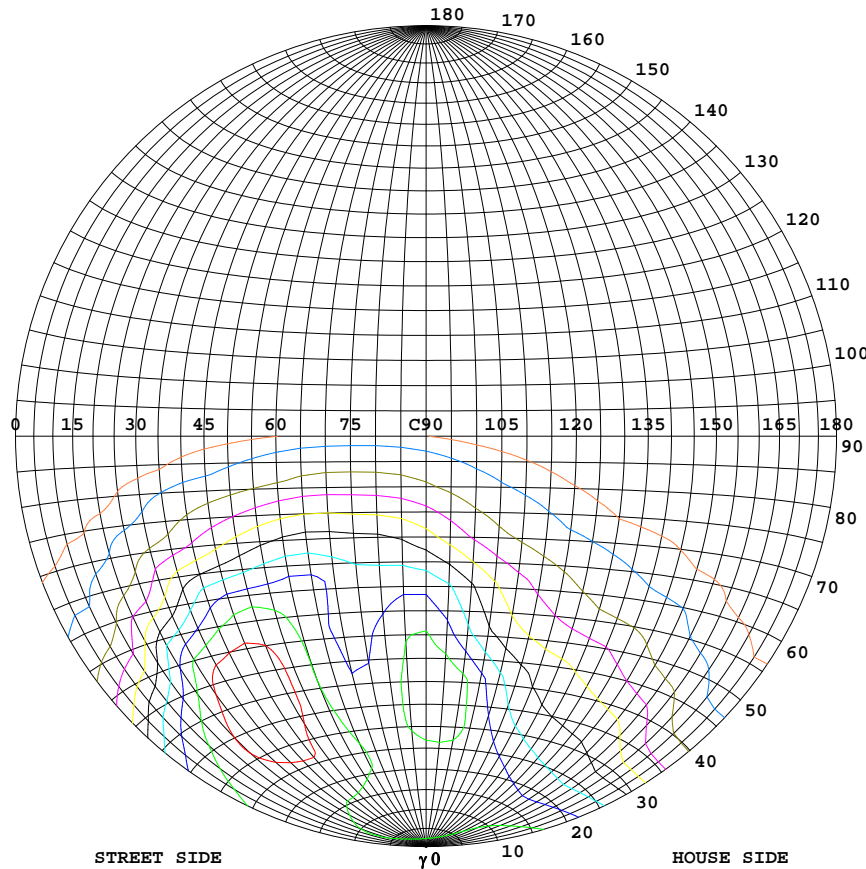
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Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

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Classification:

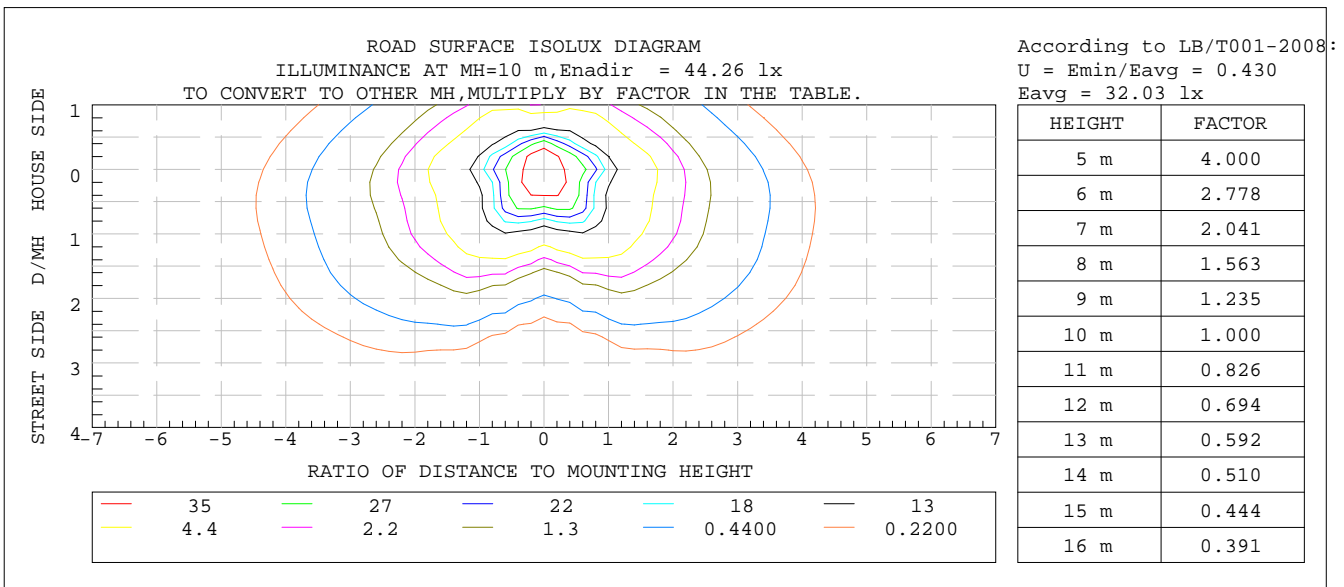
IES:Type IV - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:125.4cd/klm
 Max.At90:45.13cd/klm
 Max.80-90:125.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5429
90%	4886
80%	4343
70%	3800
60%	3257
50%	2714
40%	2171
30%	1629
20%	1086
10%	543
5%	271

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**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



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ZONAL FLUX DIAGRAM

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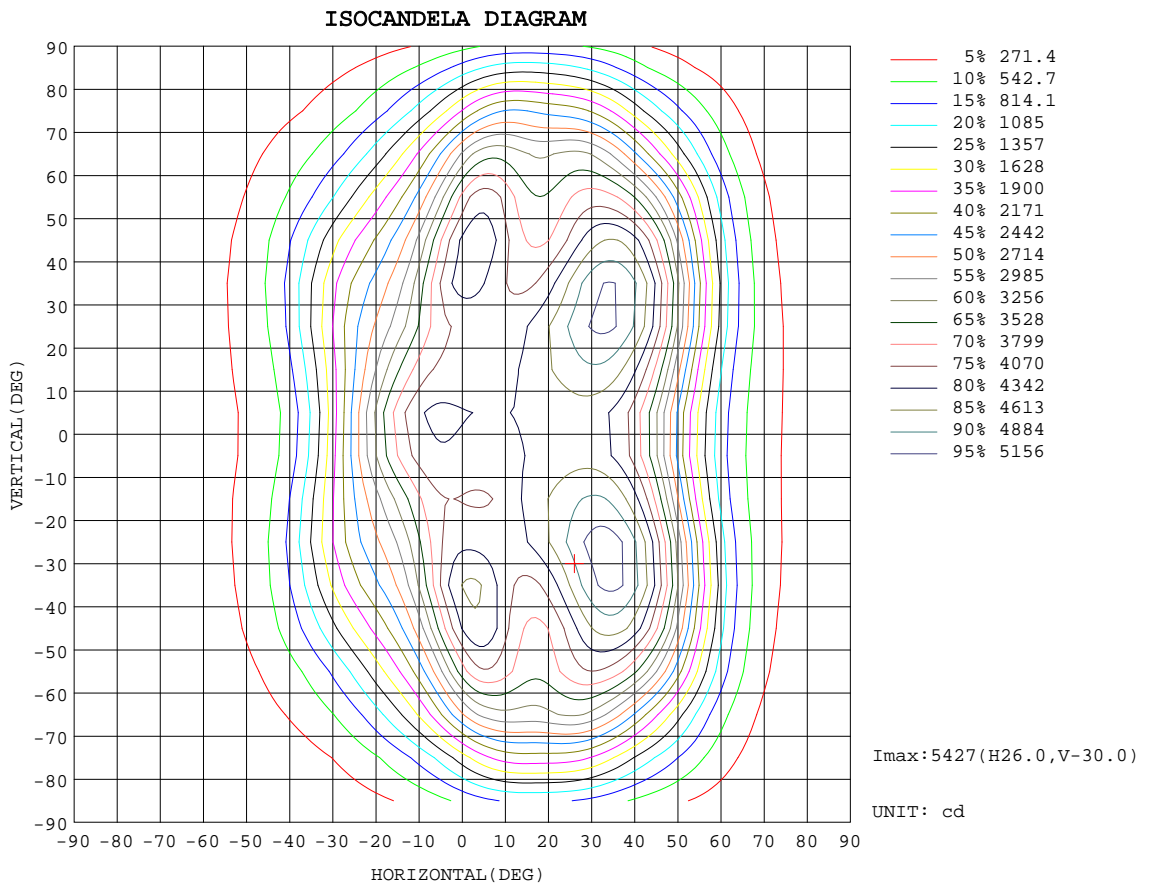
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
5	4391	4294	4244	4327	4491	4392	4332	4349	0- 5	104.5	104.5	0.78
10	4387	4248	4062	4221	4544	4353	4238	4321	5- 10	308.7	413.2	3.08
15	4403	4309	4025	4040	4439	4236	4097	4352	10- 15	505.1	918.4	6.84
20	4407	4518	3988	3774	4025	3929	3956	4508	15- 20	689.2	1608	11.97
25	4361	4802	4247	3359	3365	3499	4091	4740	20- 25	856.8	2464	18.34
30	4165	4990	4505	2966	2577	3081	4227	4933	25- 30	1003	3468	25.81
35	3837	5140	4647	2628	1735	2716	4403	5102	30- 35	1117	4585	34.13
40	3164	5316	4789	2314	1062	2403	4579	5292	35- 40	1199	5784	43.06
45	2284	5225	4594	1995	629.8	2153	4564	5169	40- 45	1234	7017	52.24
50	1473	4978	4399	1666	401.3	1896	4548	4919	45- 50	1208	8225	61.23
55	913.0	4519	4041	1176	288.2	1403	4230	4450	50- 55	1134	9359	69.67
60	576.2	3937	3682	776.3	234.9	977.6	3912	3877	55- 60	1035	10394	77.37
65	374.1	2939	3027	559.3	196.8	729.6	3371	2924	60- 65	908.2	11302	84.13
70	252.1	2058	2371	379.8	159.4	518.3	2830	2085	65- 70	743.1	12045	89.66
75	159.3	1410	1771	223.0	119.5	320.5	2206	1480	70- 75	574.5	12619	93.94
80	79.98	829.8	1171	141.0	79.23	217.3	1581	895.6	75- 80	409.8	13029	96.99
85	21.96	406.3	724.5	80.36	42.31	137.1	1060	460.4	80- 85	261.1	13290	98.93
90	9.467	150.3	277.9	32.53	17.89	66.95	537.7	188.0	85- 90	143.2	13434	100.00
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

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Table--4

UNIT: cd

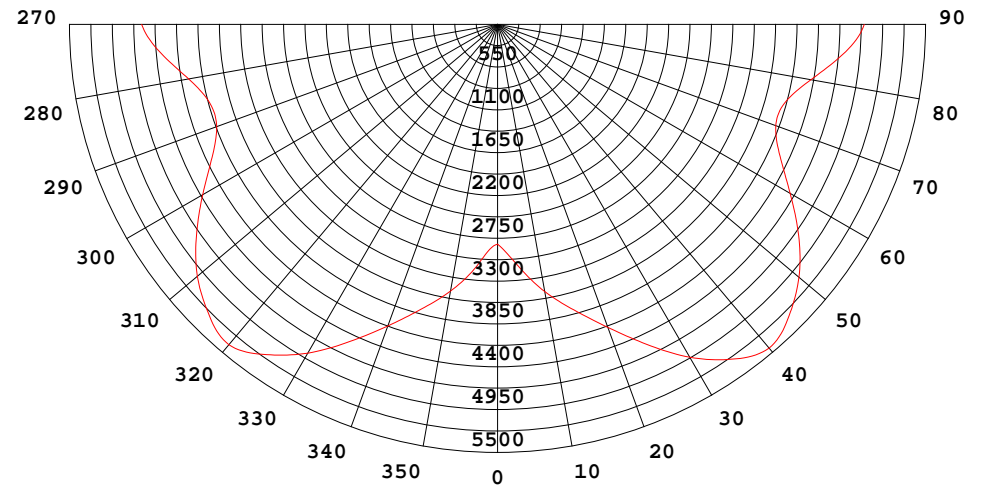
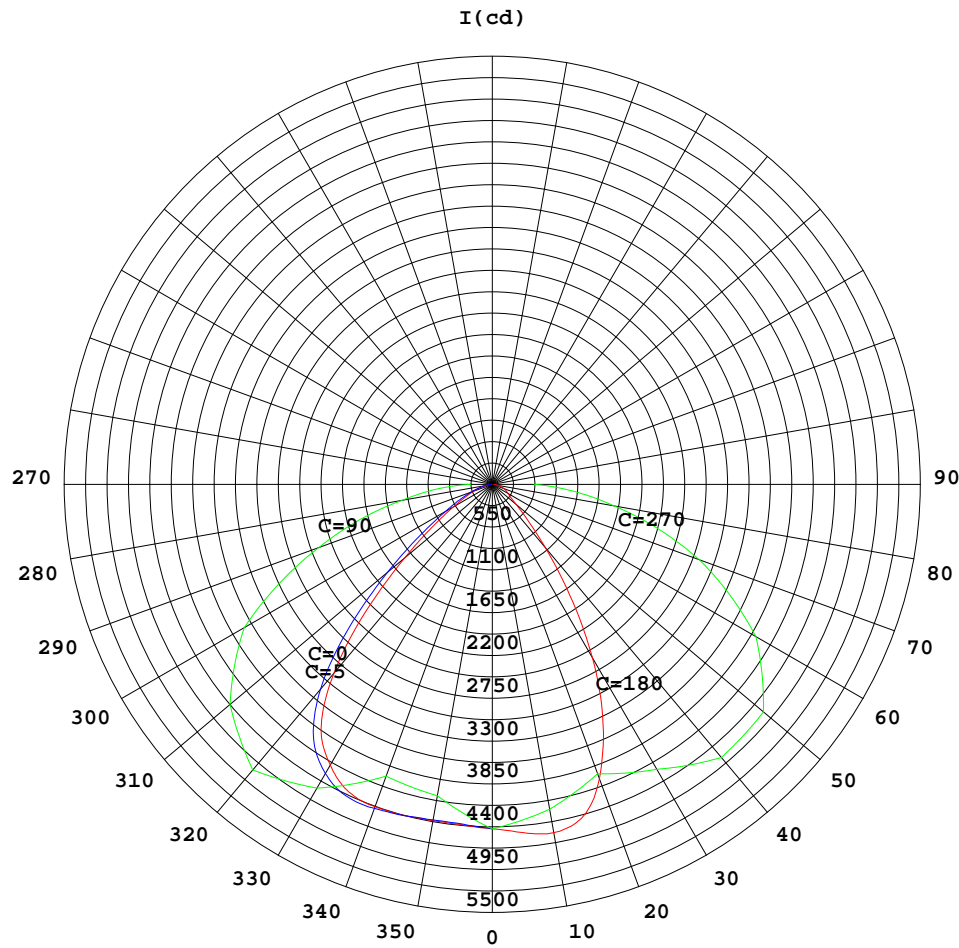
C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	4426	4426	4426	4426	4426	4426	4426	4426	4426	4426	4426	4426	4426	4426	4426				
5	4329	4332	4335	4338	4341	4345	4349	4353	4357	4362	4367	4371	4376	4381	4386				
10	4250	4259	4267	4281	4296	4309	4321	4333	4343	4352	4360	4367	4372	4378	4382				
15	4176	4214	4256	4289	4320	4341	4352	4359	4374	4389	4399	4405	4407	4407	4406				
20	4149	4234	4315	4388	4446	4486	4508	4511	4502	4478	4474	4470	4460	4444	4426				
25	4158	4246	4355	4485	4607	4707	4740	4745	4725	4682	4618	4562	4522	4470	4415				
30	4122	4193	4320	4473	4637	4795	4933	5021	4989	4901	4778	4633	4506	4389	4273				
35	4033	4082	4233	4466	4731	4942	5102	5176	5150	5025	4805	4571	4343	4159	3987				
40	3883	3913	4103	4398	4728	5041	5292	5326	5186	4937	4623	4299	4002	3718	3422				
45	3811	3783	3985	4340	4716	5003	5169	5210	5155	4759	4271	3750	3363	3040	2626				
50	3724	3649	3844	4197	4551	4807	4919	4834	4641	4412	3785	3029	2484	2172	1812				
55	3570	3575	3766	4028	4285	4452	4450	4261	3884	3462	3060	2341	1651	1379	1157				
60	3448	3578	3778	3883	3903	3915	3877	3600	3096	2485	2015	1689	1137	830	732				
65	3257	3364	3521	3516	3342	3125	2924	2695	2397	1851	1292	971	793	511	474				
70	3026	3010	3037	2944	2708	2406	2085	1744	1476	1203	929	592	451	358	302				
75	2447	2431	2401	2274	2036	1754	1480	1207	931	667	497	394	264	223	176				
80	1824	1788	1690	1518	1296	1078	896	731	575	428	288	182	139	106	96.5				
85	1235	1193	1100	948	764	593	460	350	253	169	117	79.1	54.4	29.9	25.2				
90	649	607	545	456	352	259	188	136	93.6	57.6	30.5	16.4	11.9	12.1	12.4				

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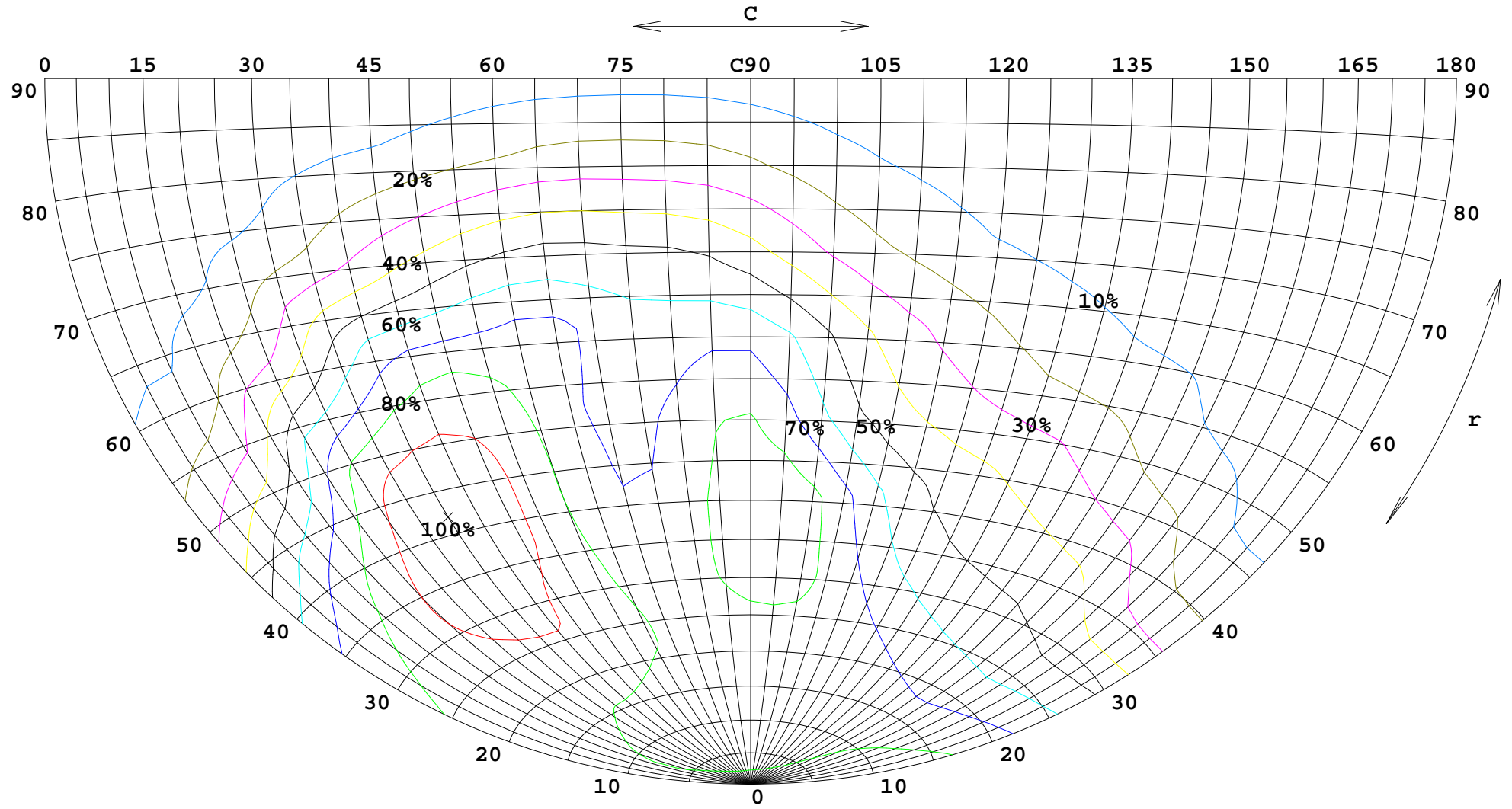
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FLUX DATA:

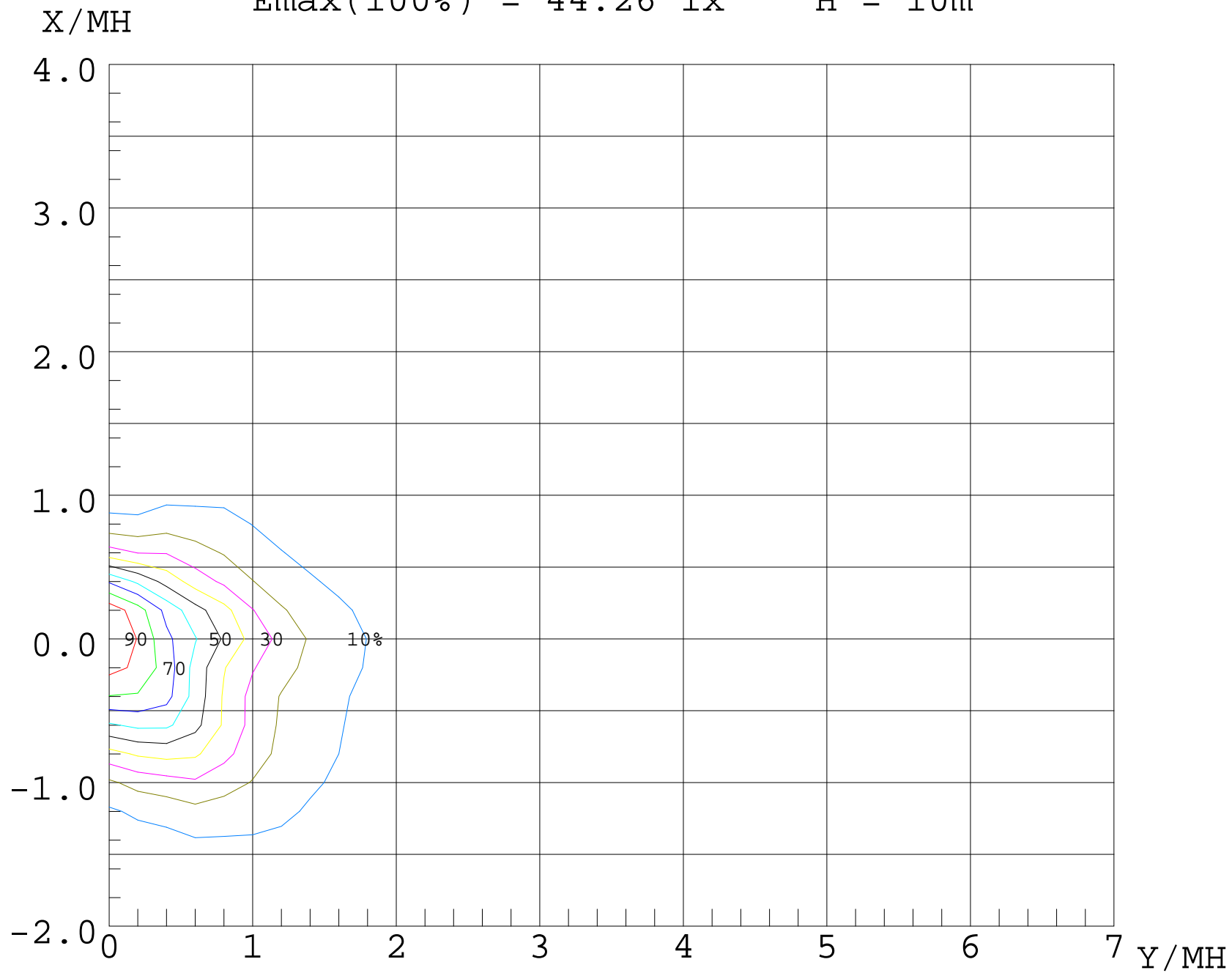
EFFICIENCY: 92.0 %
STREET DOWN: 8792 lm
STREET UP: 0 lm
HOUSE DOWN: 4642 lm
HOUSE UP: 0 lm



$I_{max}(100\%) = 5429 \text{ cd}$



$E_{\max}(100\%) = 44.26 \text{ lx}$ $H = 10\text{m}$



UF (%)

80

70

60

50

40

30

20

10

0

-2

-1

0

1

2

3

4 X/MH

20

15

10

5

0

