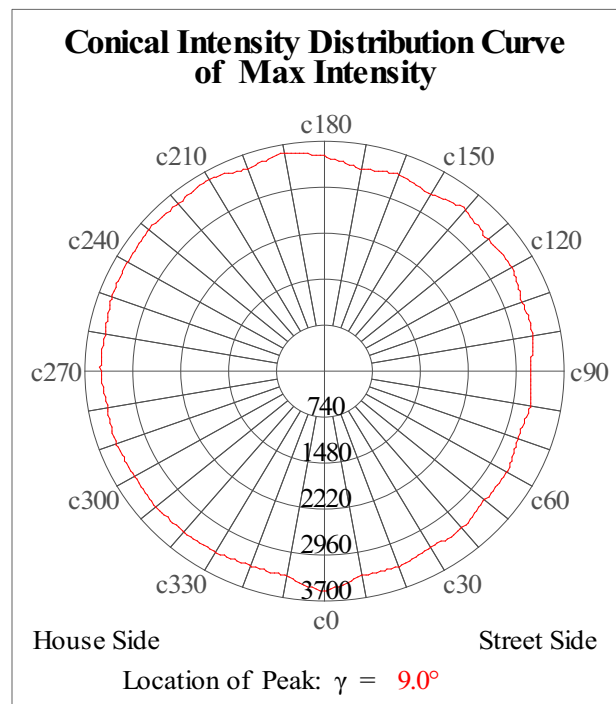
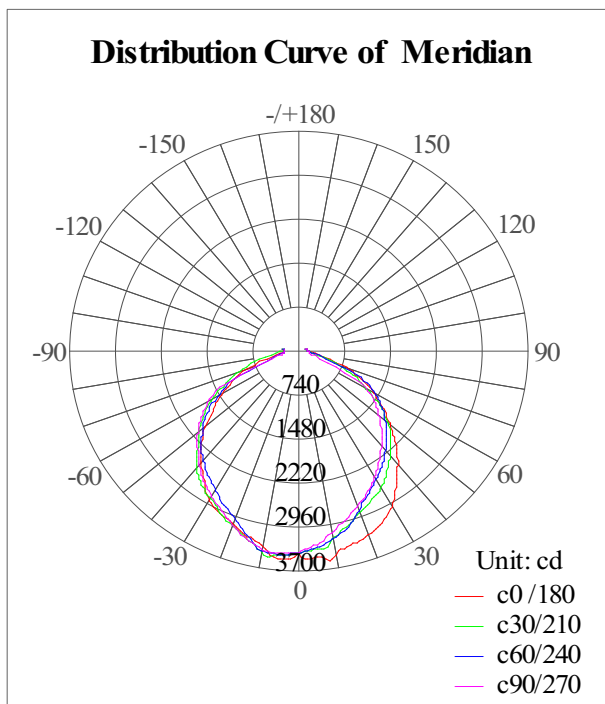


Photometric Data of Lamp

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:

Measured Data of Lamp			
Voltage: 219.6 V	Current: 0.437 A	Power: 94.7 W	Power Factor: 0.987
Total Flux	8777.90 lm	Central Intensity	3518.17 cd
Lamp Efficiency	0.00%	Light Efficiency	92.69 lm/W
Peak Intensity	3681.36 cd	Location of Peak(c, γ)	(0.0°, 9.0°)
Half-Intensity Angle	102.6°	BeamAngle	142.2°
Upward Light Ratio	0	Downward Light Ratio	100%
Upward Street Side	0	Downward Street Side	4125.67 lm
Upward House Side	0	Downward House Side	4652.37 lm
Flash Area(76°)	0 cm ²	Discomfort Glare(SLI)	0



c Range: 0-360 Degree

c Interval: 10 Degree

Test Speed: Fast

Test Distance: 5.0 m

Note: notes

 γ Range: 0-90 Degree

 γ Interval: 0.9 Degree

Test Date: 2012-11-09

Test Time: 12-51-18

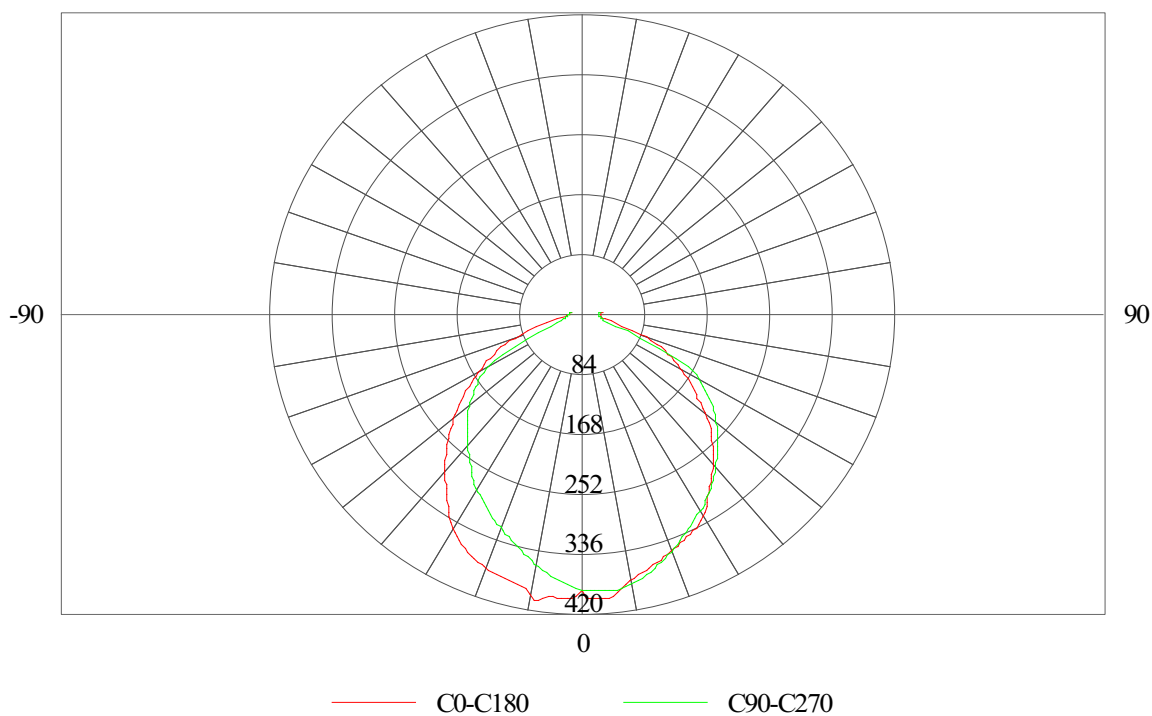
Temperature: 25 Celsius

Humidity: 65%

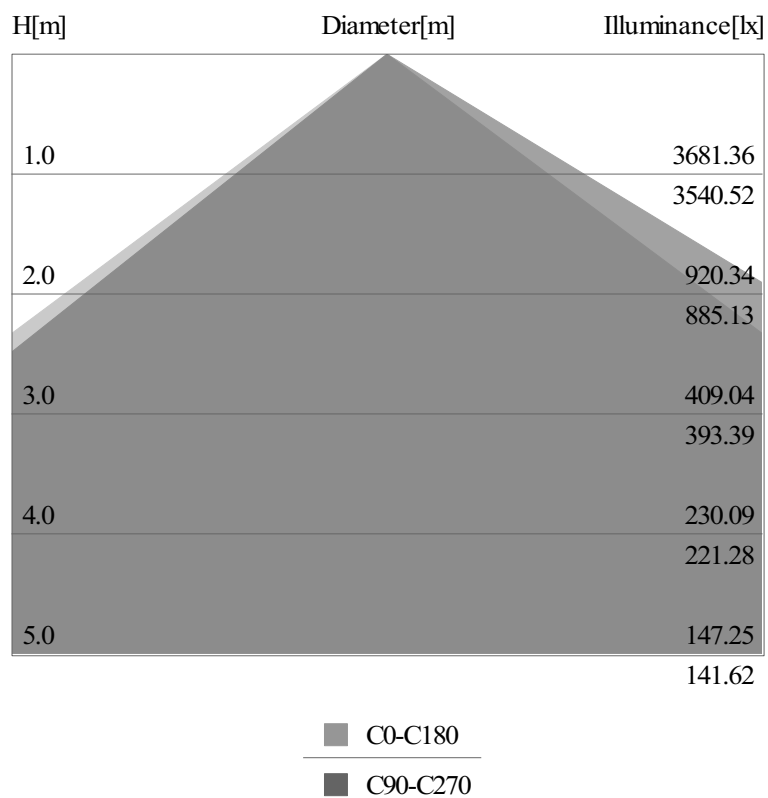
Test No.: 001

Tester:

cd/1000 lm Curve

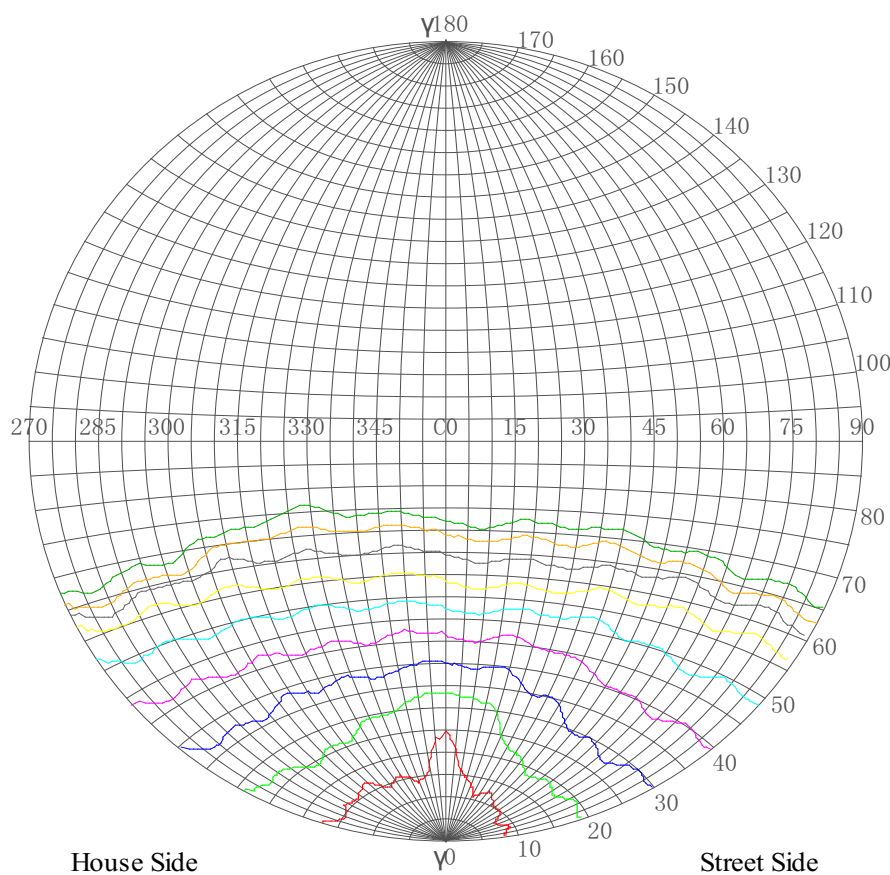


Illumination Cone Curve



Isocandela Curve of Road Lamp (Round Net Curve)

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:



Road Lamp Type

CIE: semi-cut-off
 CIE: short-narrow extension
 IES: semi-cut-off
 IES: II-very short
 Max. At80: 27.30cd/klm
 Max. At90: 30.6178cd/klm

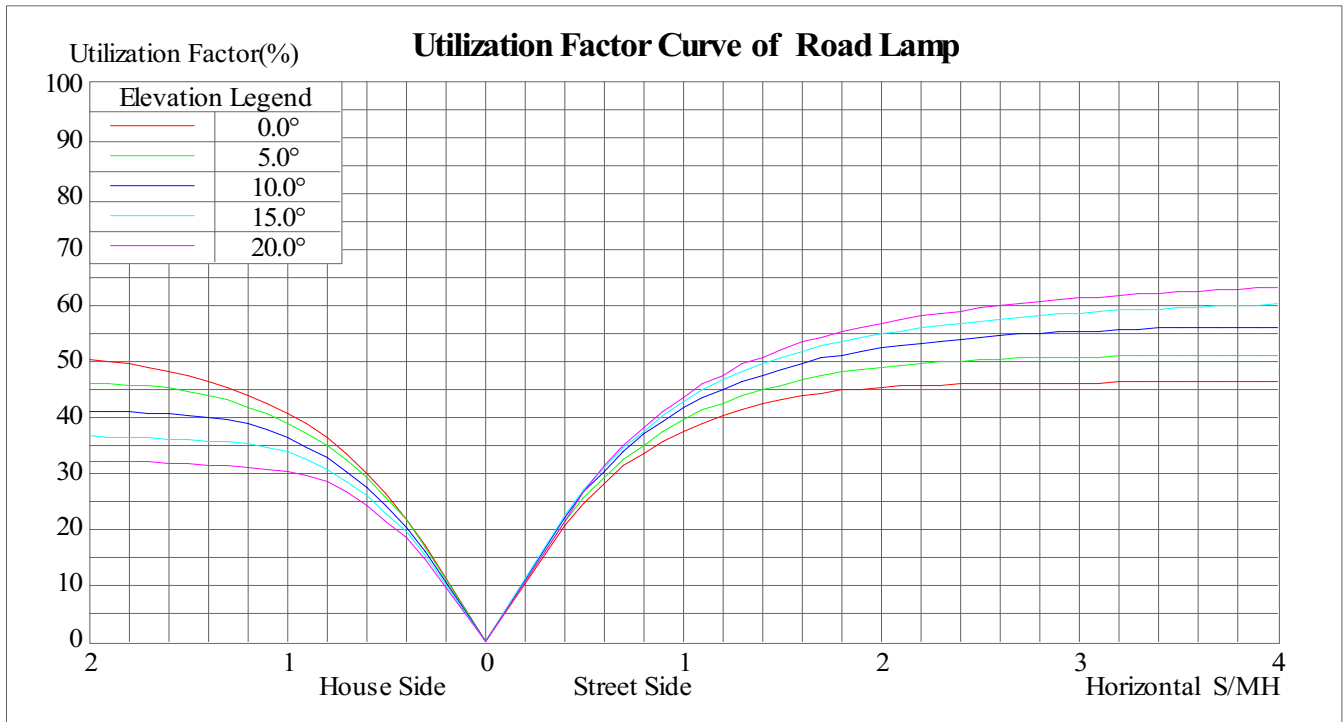
Isocandela Curve(Round Net)	
Intensity Unit	cd
Imax= 100%	3682
90%	3314
80%	2946
70%	2577
60%	2209
50%	1841
40%	1473
30%	1105
20%	737
10%	369

c Range: 0-360 Degree
 c Interval: 10 Degree
 Test Speed: Fast
 Test Distance: 5.0 m
 Note: notes

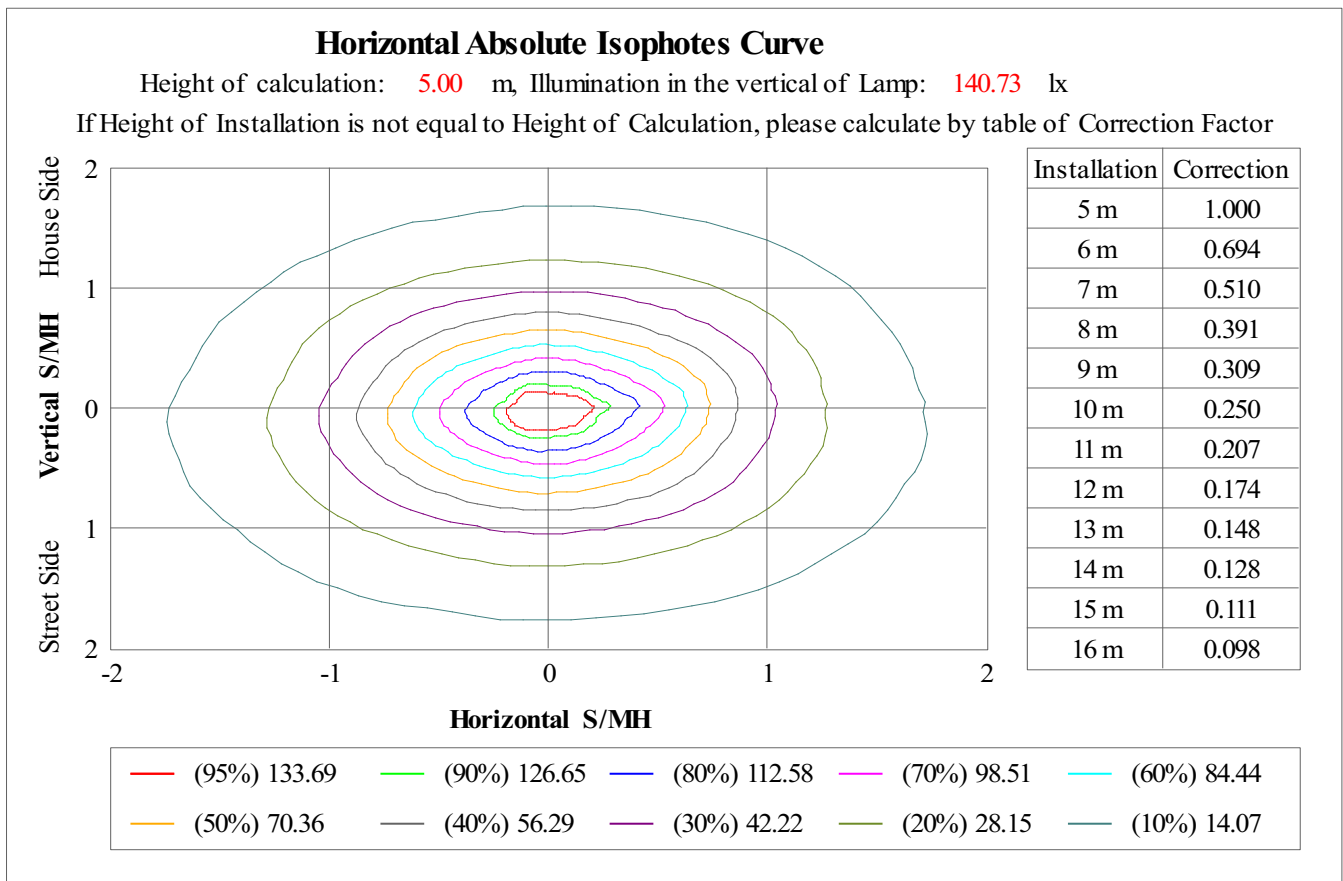
γ Range: 0-90 Degree
 γ Interval: 0.9 Degree
 Test Date: 2012-11-09
 Test Time: 12-51-18

Temperature: 25 Celsius
 Humidity: 65%
 Test No.: 001
 Tester:

Lamp Utilization Factor Curve

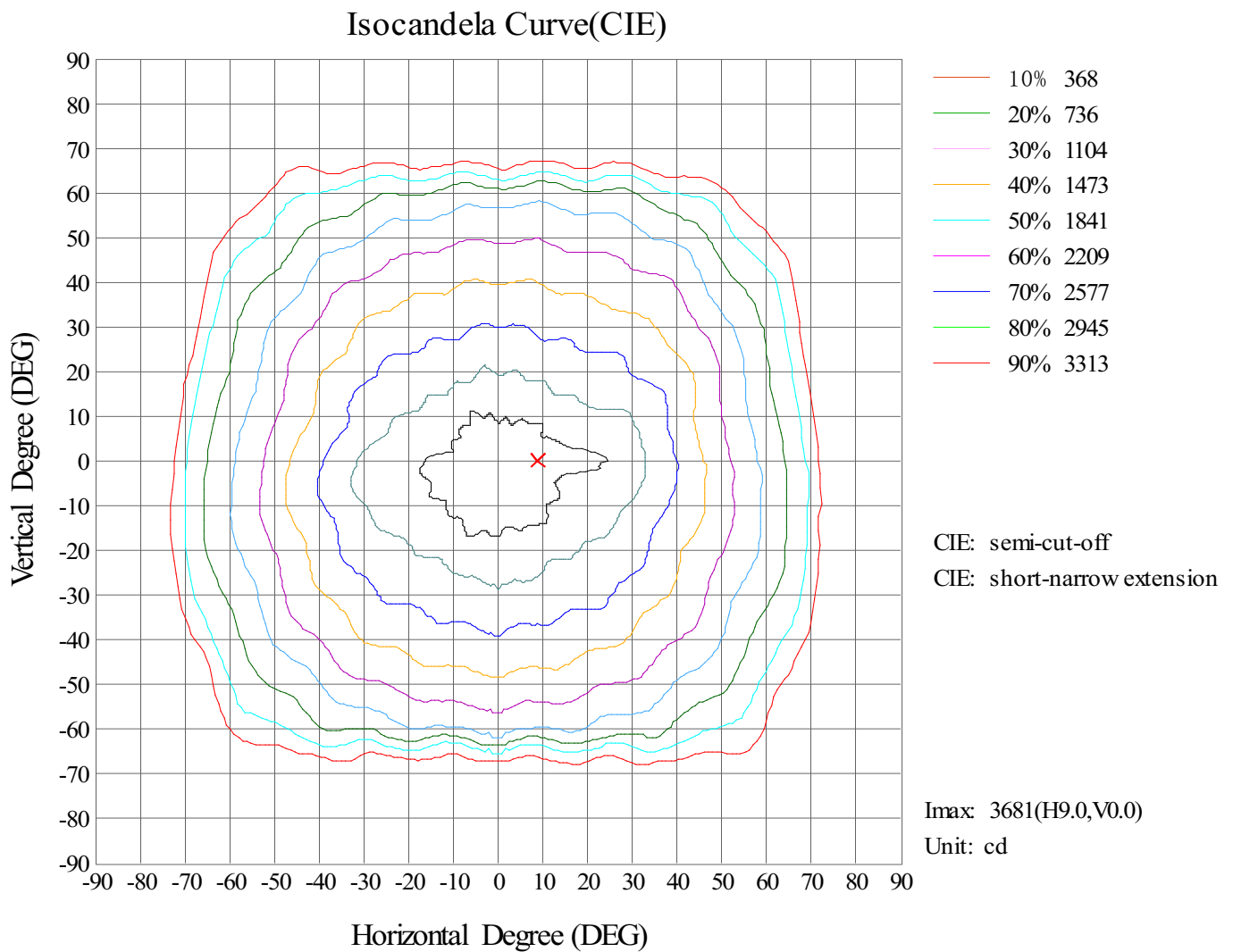


Horizontal Isophotes Curve



Isocandela Curve of Lamp

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:



c Range: 0-360 Degree
c Interval: 10 Degree
Test Speed: Fast
Test Distance: 5.0 m
Note: notes

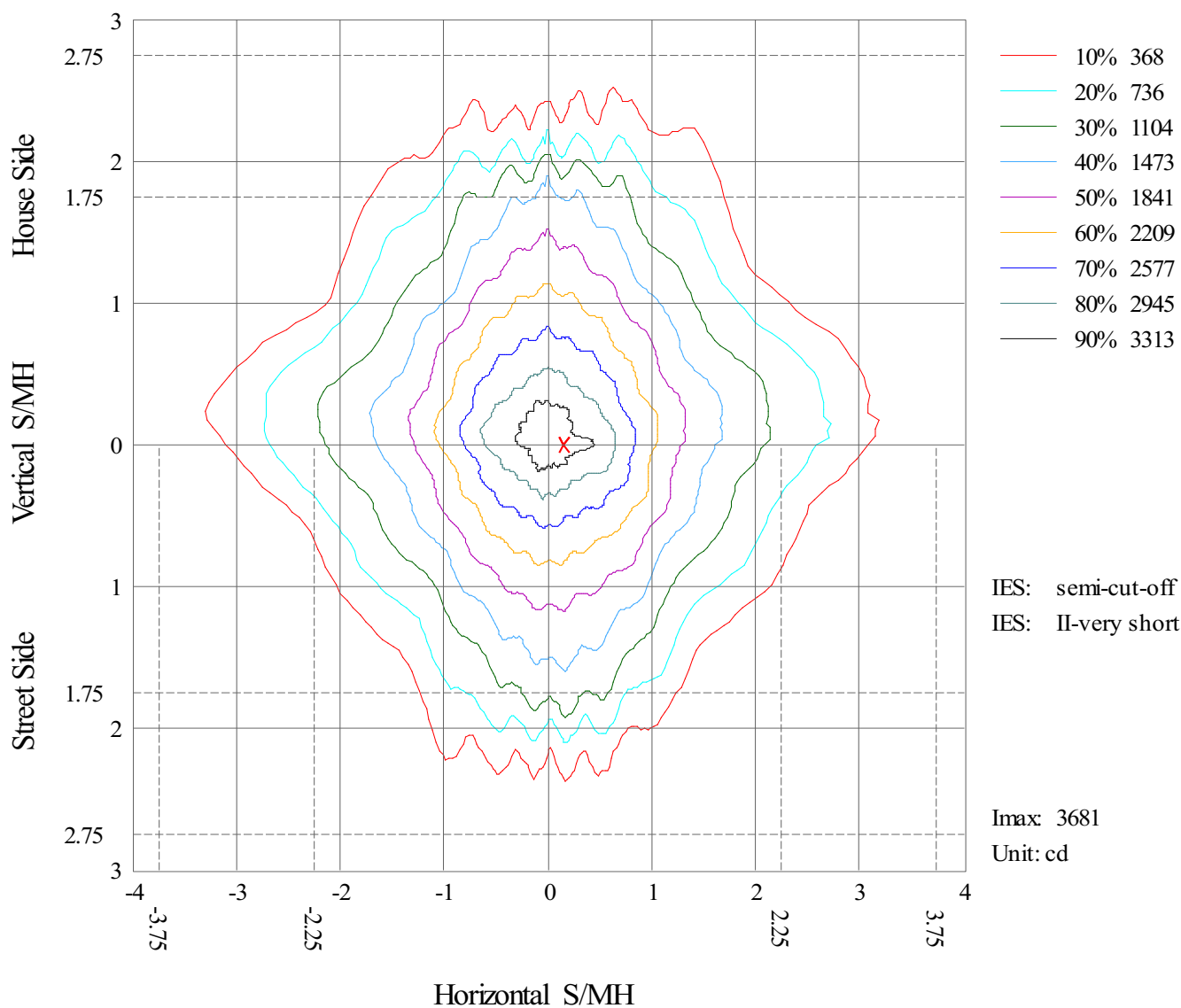
γ Range: 0-90 Degree
 γ Interval: 0.9 Degree
Test Date: 2012-11-09
Test Time: 12-51-18

Temperature: 25 Celsius
Humidity: 65%
Test No.: 001
Tester:

Isocandela Curve of Lamp

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:

Isocandela Curve(IES)



c Range: 0-360 Degree
c Interval: 10 Degree
Test Speed: Fast
Test Distance: 5.0 m
Note: notes

γ Range: 0-90 Degree
 γ Interval: 0.9 Degree
Test Date: 2012-11-09
Test Time: 12-51-18

Temperature: 25 Celsius
Humidity: 65%
Test No.: 001
Tester:

Lamp Ring with Flux

Lamp Description		
Lamp Name: 100W flood light	Lamp Size:	Lamp Weight:
Lamp Type: led light	Rated Voltage: 220 V	Rated Power:
Light Type: LED	Light Number:	Rated Flux:
Light Standard: 100w	Light Area:	Light Flux:

γ	C0	C90	C180	C270	γ(°)	Φ(Ring)	Φ(Total)	%
3.6	3619	3431	3633	3532	0.0-3.6	43.58	43.58	0.50
7.2	3650	3328	3574	3538	3.6-7.2	130.1	173.6	1.98
10.8	3566	3195	3418	3485	7.2-10.8	212.5	386.1	4.40
14.4	3499	3068	3337	3389	10.8-14.4	286.6	672.7	7.66
18.0	3454	2947	3253	3270	14.4-18.0	353.7	1026	11.69
21.6	3394	2841	3174	3157	18.0-21.6	526.7	1553	17.69
25.2	3306	2723	3093	3035	21.6-25.2	481.5	2035	23.18
28.8	3175	2593	3010	2926	25.2-28.8	527.4	2562	29.19
32.4	2986	2454	2849	2817	28.8-32.4	564.3	3126	35.61
36.0	2770	2302	2665	2691	32.4-36.0	590.1	3716	42.34
39.6	2591	2170	2503	2550	36.0-39.6	605.8	4322	49.24
43.2	2379	2019	2322	2409	39.6-43.2	611.5	4934	56.20
46.8	2162	1881	2150	2273	43.2-46.8	606.9	5541	63.12
50.4	1950	1718	1909	2115	46.8-50.4	591.1	6132	69.85
54.0	1714	1556	1688	1951	50.4-54.0	562.6	6694	76.26
57.6	1510	1360	1490	1760	54.0-57.6	521.4	7216	82.20
61.2	1295	897.1	1289	1541	57.6-61.2	461.9	7678	87.46
64.8	1063	316.0	1064	791.4	61.2-64.8	363.8	8041	91.61
68.4	783.7	192.8	771.7	293.0	64.8-68.4	243.5	8285	94.38
72.0	306.5	167.9	292.8	253.2	68.4-72.0	142.4	8427	96.01
75.6	160.1	149.9	236.7	235.7	72.0-75.6	65.57	8493	96.75
79.2	143.2	138.8	238.0	229.2	75.6-79.2	73.40	8566	97.59
82.8	127.5	128.6	245.2	227.4	79.2-82.8	70.61	8637	98.39
86.4	118.5	120.9	254.9	231.6	82.8-86.4	70.22	8707	99.19
90.0	111.4	114.5	268.8	238.9	86.4-90.0	70.86	8778	100.00
Unit: °	Intensity Unit: cd					Unit: lm		

γ/C	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0.0	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518	3518
3.6	3619	3540	3526	3483	3497	3452	3476	3429	3472	3431	3473	3451	3486	3485	3500	3510	3512	3513	3633
7.2	3650	3520	3492	3477	3440	3376	3408	3330	3388	3328	3400	3371	3445	3446	3488	3401	3486	3387	3574
10.8	3566	3391	3435	3299	3423	3295	3310	3209	3269	3195	3291	3271	3386	3221	3312	3238	3317	3273	3418
14.4	3499	3338	3290	3179	3225	3106	3215	3102	3139	3068	3166	3121	3167	3069	3166	3121	3219	3193	3337
18.0	3454	3298	3215	3072	3079	2963	3049	2961	3023	2947	3063	2939	2994	2936	3039	3014	3124	3110	3253
21.6	3394	3256	3135	2974	2959	2847	2882	2822	2901	2841	2930	2791	2858	2811	2921	2897	3021	3021	3174
25.2	3306	3199	3067	2882	2852	2734	2759	2680	2779	2723	2790	2658	2737	2705	2809	2795	2919	2941	3093
28.8	3175	3084	2992	2792	2758	2630	2639	2538	2643	2593	2642	2530	2619	2586	2697	2686	2820	2827	3010
32.4	2986	2907	2897	2677	2658	2510	2524	2426	2514	2454	2506	2413	2502	2472	2591	2571	2705	2660	2849
36.0	2770	2698	2746	2532	2559	2393	2403	2301	2383	2302	2374	2286	2374	2341	2474	2407	2530	2460	2665
39.6	2591	2508	2578	2394	2416	2263	2272	2175	2257	2170	2247	2152	2247	2210	2341	2233	2355	2306	2503
43.2	2379	2259	2419	2251	2264	2128	2143	2033	2119	2019	2109	2008	2107	2057	2174	2079	2194	2133	2322
46.8	2162	2041	2214	2104	2116	1986	1996	1889	1964	1881	1959	1860	1959	1883	2002	1921	2042	1948	2150
50.4	1950	1829	2017	1905	1983	1833	1865	1743	1820	1718	1801	1695	1799	1721	1831	1739	1851	1716	1909
54.0	1714	1582	1774	1668	1820	1664	1719	1581	1660	1556	1624	1502	1631	1518	1649	1504	1615	1512	1688
57.6	1510	1375	1515	1395	1608	1455	1563	1409	1501	1360	1448	1298	1437	1301	1433	1295	1427	1327	1490
61.2	1295	1138	1278	1150	1354	1223	1355	1110	1288	897.1	1206	992.4	1200	1068	1201	1056	1224	1103	1289
64.8	1063	911.2	1047	890.0	1066	928.5	1092	530.4	754.5	316.0	673.3	458.7	974.4	845.4	987.6	823.6	985.4	883.3	1064
68.4	783.7	515.0	767.5	617.8	797.8	428.6	512.9	228.3	266.9	192.8	223.9	202.1	417.7	404.7	749.8	610.6	732.5	470.0	771.7
72.0	306.5	164.5	398.8	210.3	292.6	167.5	201.3	166.5	183.5	167.9	184.1	171.8	187.4	170.0	473.3	196.0	330.6	166.9	292.8
75.6	160.1	145.9	151.9	142.7	154.9	147.6	159.5	147.1	158.6	149.9	162.0	153.4	163.4	152.1	164.7	150.7	159.9	151.4	236.7
79.2	143.2	129.7	136.8	128.3	139.3	130.7	139.4	133.8	143.3	138.8	146.7	140.3	147.2	137.2	145.6	138.8	147.1	137.9	238.0
82.8	127.5	119.3	122.9	116.1	124.9	120.8	127.1	124.9	132.8	128.6	135.4	130.9	135.2	128.8	133.8	128.9	134.5	127.2	245.2
86.4	118.5	112.0	114.1	110.1	117.8	114.9	119.5	117.1	122.9	120.9	125.6	122.3	125.8	121.5	125.5	121.7	125.3	118.6	254.9
90.0	111.4	105.9	107.0	105.3	110.9	110.0	112.4	109.6	113.7	114.5	116.6	114.2	117.6	114.5	119.0	115.2	117.3	111.0	268.8