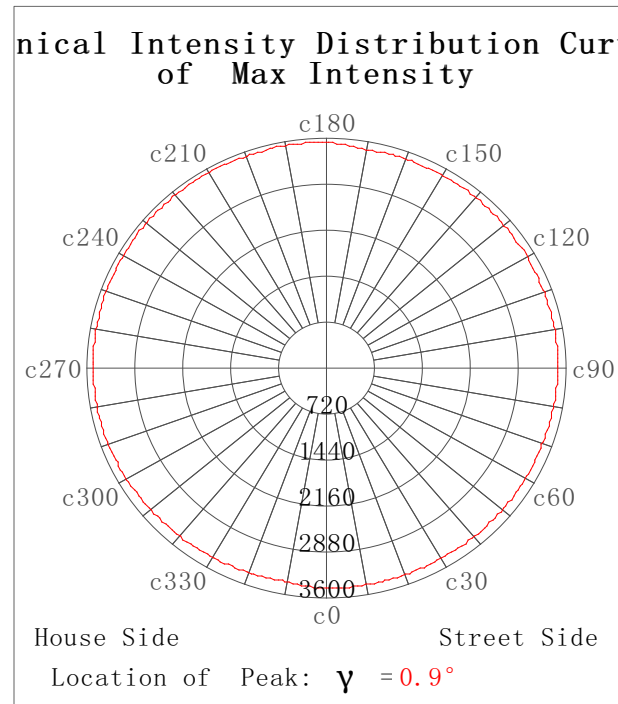
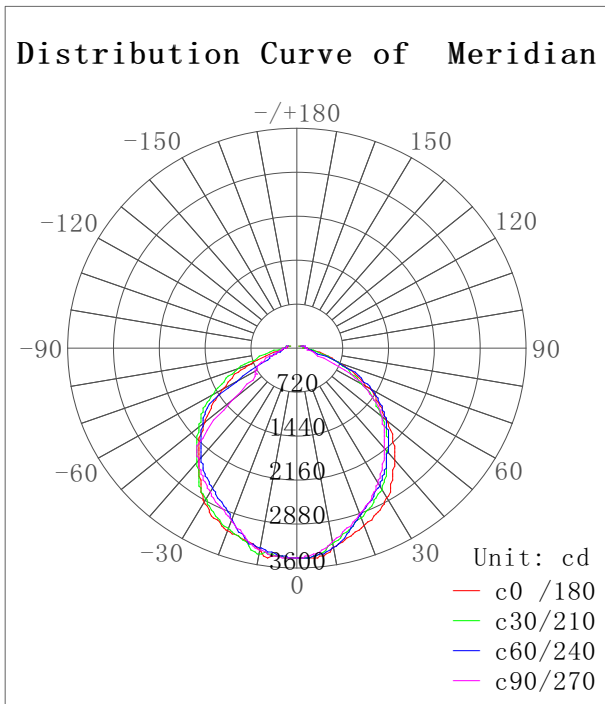




## Photometric Data of Lamp

Lamp Description		
Lamp Name: STL-80W-AC1	Lamp Size	Lamp Weight
Lamp Type: LED	Rated Volta	Rated Powe:
Light Typ	Light Number	Rated Flu
Light Standæ	Light Are	Light Flu

Measured Data of Lamp			
Voltage 223.9 V	Current 0.361 A	Power: 78.9 W	Power Factor 0.977
Total Flux	8220.70 lm	Central Intensity	3556.06 cd
Lamp Efficiency	0.00%	Light Efficiency	104.19 lm/W
Peak Intensity	3574.18 cd	Location of Peak (c)	(0.0° , 0.9° )
Half-Intensity Angle	102.6°	Beam Angle	142.2°
Upward Light Ratio	0	Downward Light Ratio	100%
Upward Street Side	0	Downward Street Side	4136.18 lm
Upward House Side	0	Downward House Side	4084.83 lm
Flash Area (76° )	0 cm <sup>2</sup>	Discomfort Glare (SL)	0

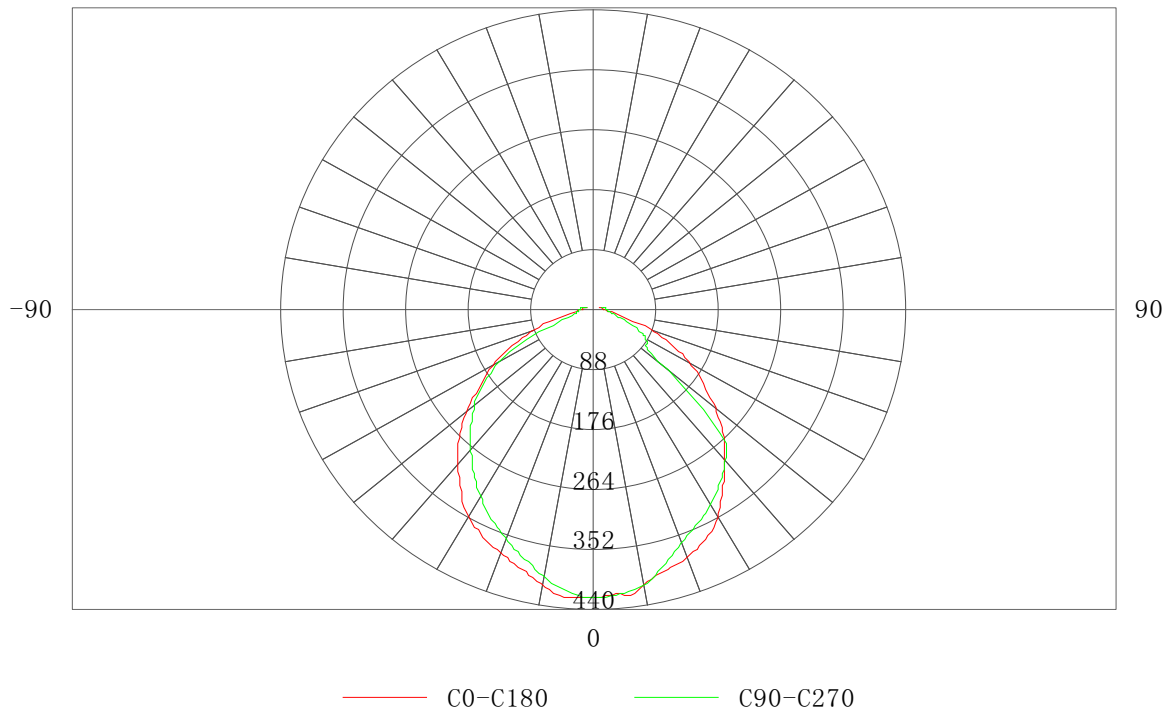


c Range 0-360 Degree  
c Interv 10 Degree  
Test Spee Fast  
Test Distan 6.0 m  
Note: notes

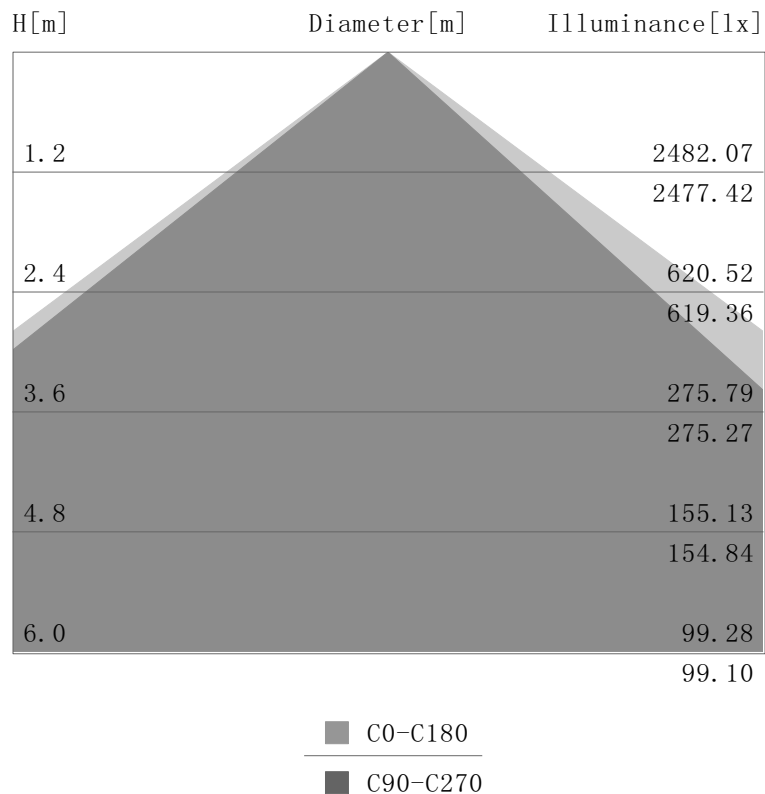
$\gamma$  Range 0-90 Degree  
 $\gamma$  Interv 0.9 Degree  
Test Date 2013-07-19  
Test Tim 21-35-17

Temperatur  
Humidit  
Test No.  
Tester

## cd/1000 lm Curve

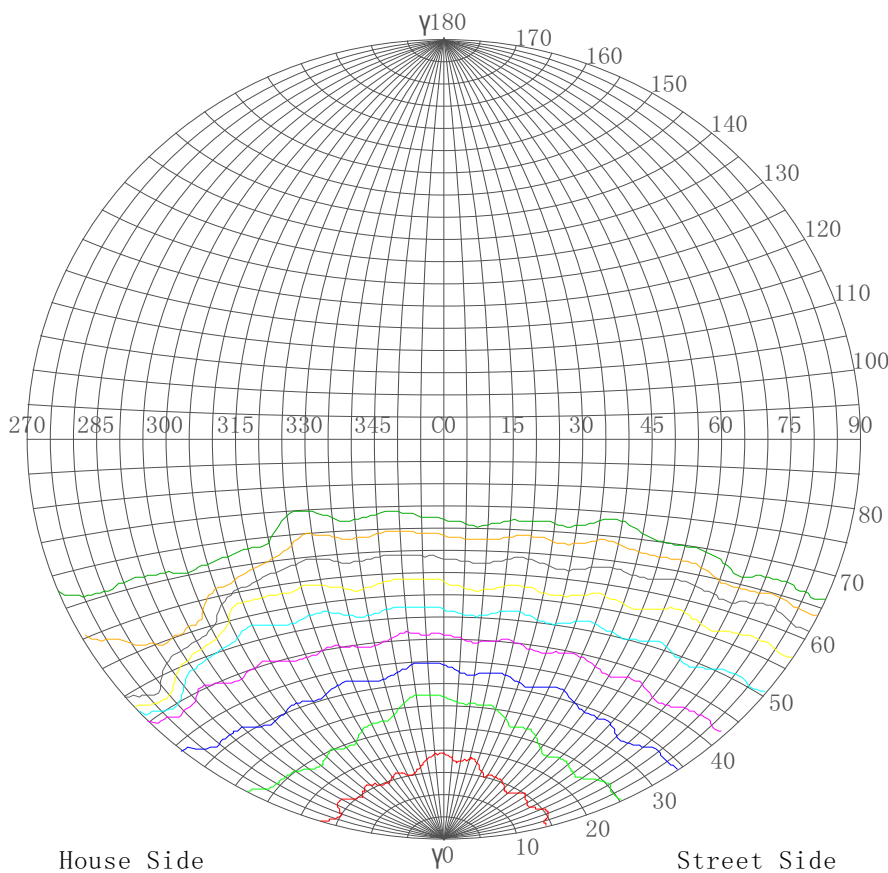


## Illumination Cone Curve



## socandela Curve of Road Lamp (Round Net Curve)

Lamp Description		
Lamp Name: STL-80W-AC1	Lamp Size	Lamp Weight
Lamp Type: LED	Rated Volta	Rated Powe:
Light Typ	Light Number	Rated Flu
Light Standæ	Light Are	Light Flu



### Road Lamp Type

CIE: semi-cut-off  
 CIE: short-narrow extensior  
 IES: cut-off  
 IES: II-very short  
 Max. At80: 19.33cd/klm  
 Max. At90: 14.7421cd/klm

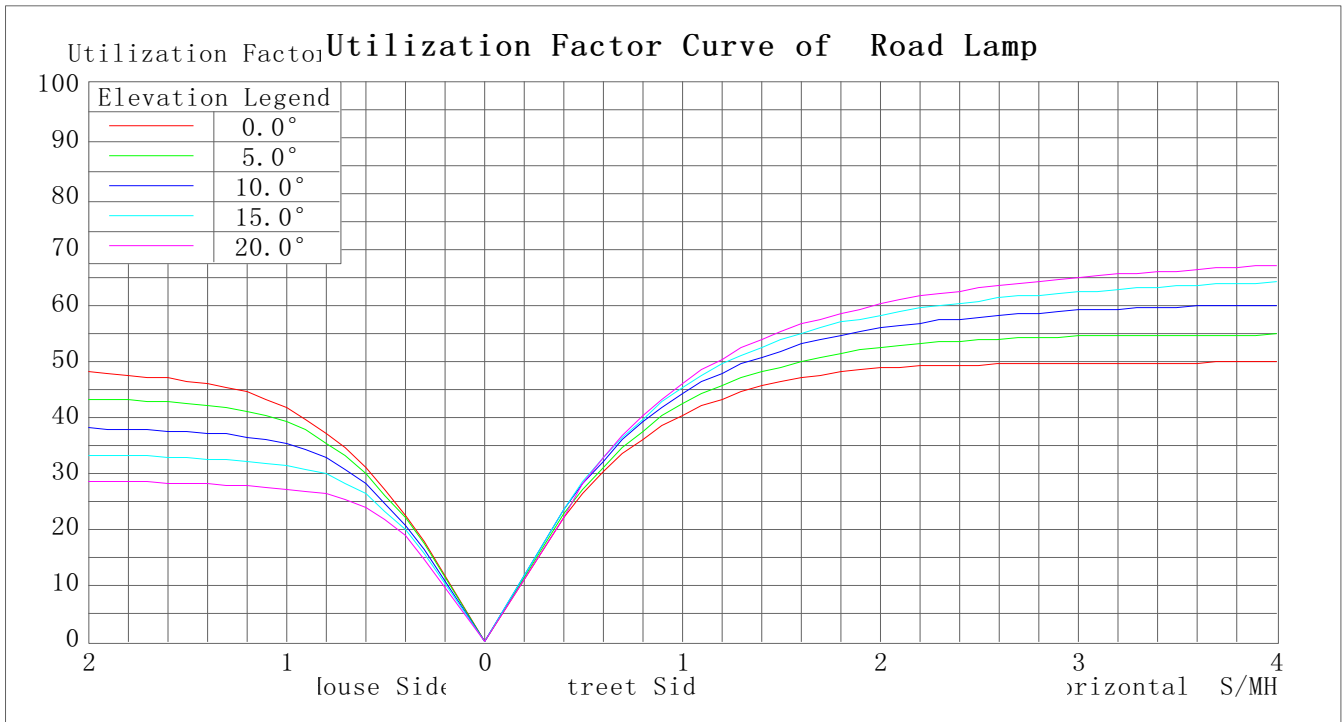
socandela Curve (Round Net)	
Intensity Unit	cd
Imax = 100%	3575
— 90%	3217
— 80%	2860
— 70%	2502
— 60%	2145
— 50%	1788
— 40%	1430
— 30%	1073
— 20%	715
— 10%	358

c Range 0-360 Degree  
 c Interv 10 Degree  
 Test Spee Fast  
 Test Distan 6.0 m  
 Note: notes

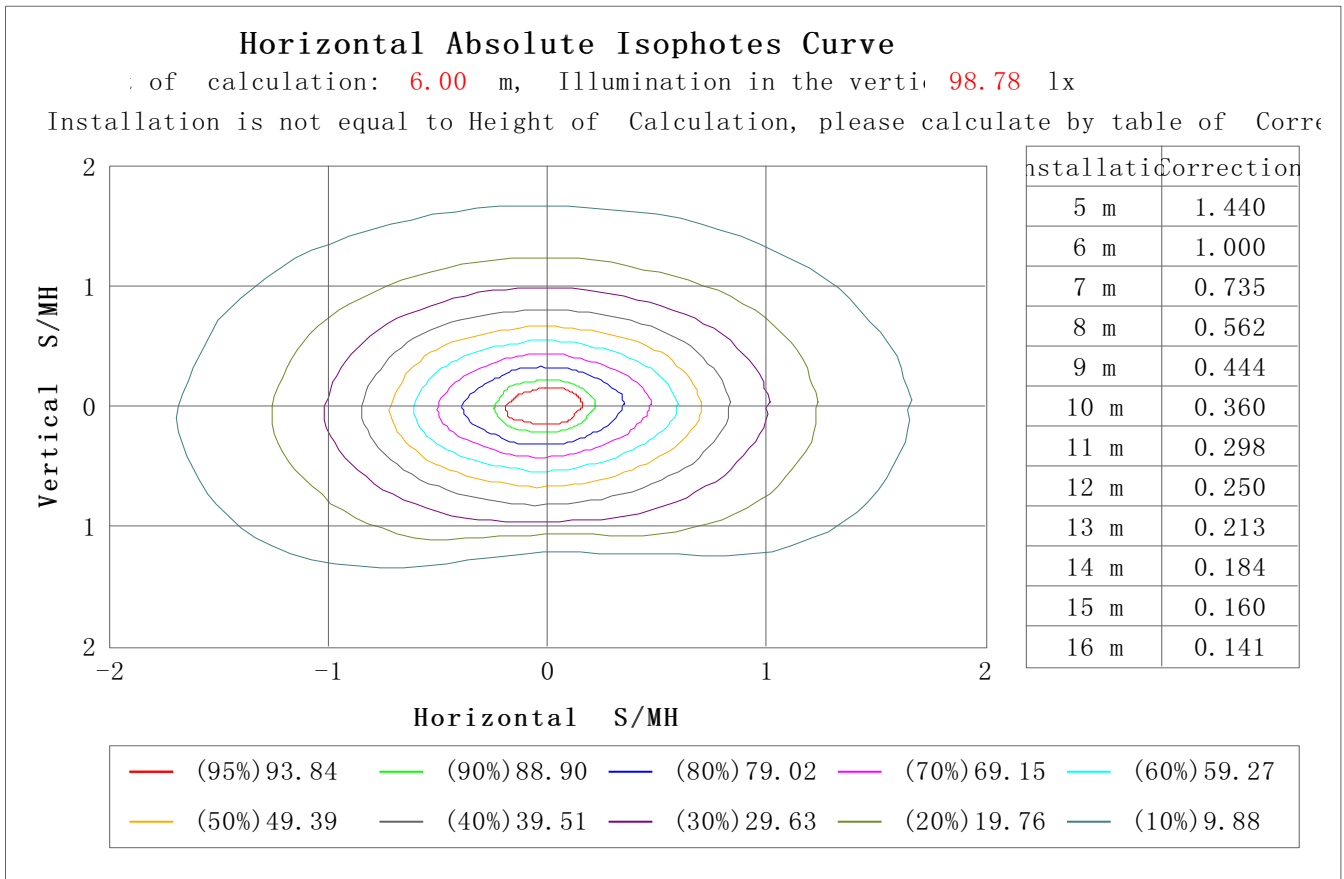
γ Range 0-90 Degree  
 γ Interv 0.9 Degree  
 Test Date 2013-07-19  
 Test Tim 21-35-17

Temperatur  
 Humidity  
 Test No.  
 Tester

## Lamp Utilization Factor Curve



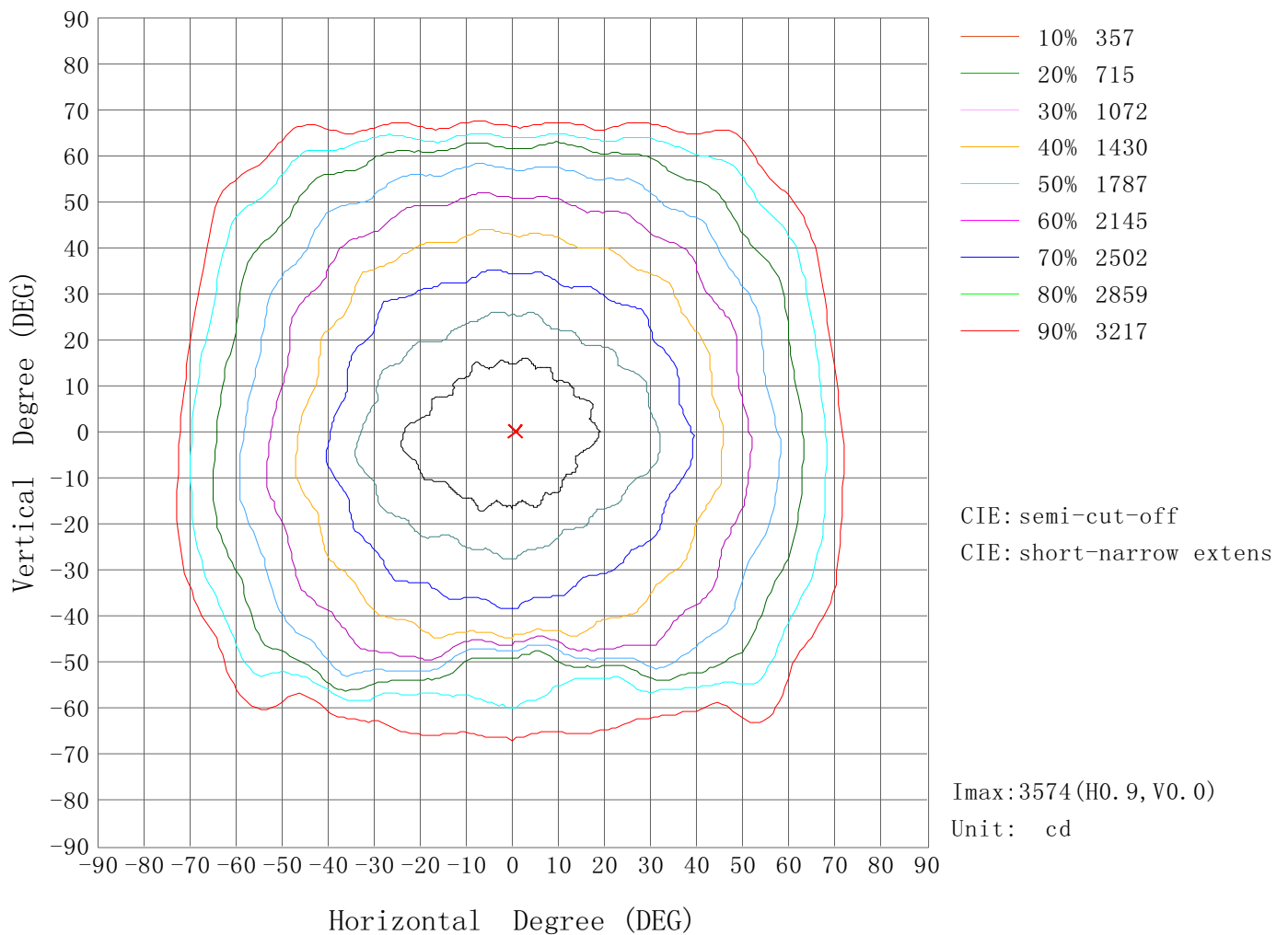
## Horizontal Isophotes Curve



## Isocandela Curve of Lamp

Lamp Description		
Lamp Name: STL-80W-AC1	Lamp Size	Lamp Weight
Lamp Type: LED	Rated Volta	Rated Powe:
Light Typ	Light Number	Rated Flu
Light Standæ	Light Are	Light Flu

### Isocandela Curve (CIE)



c Range 0-360 Degree  
 c Interv 10 Degree  
 Test Spee Fast  
 Test Distan 6.0 m  
 Note: notes

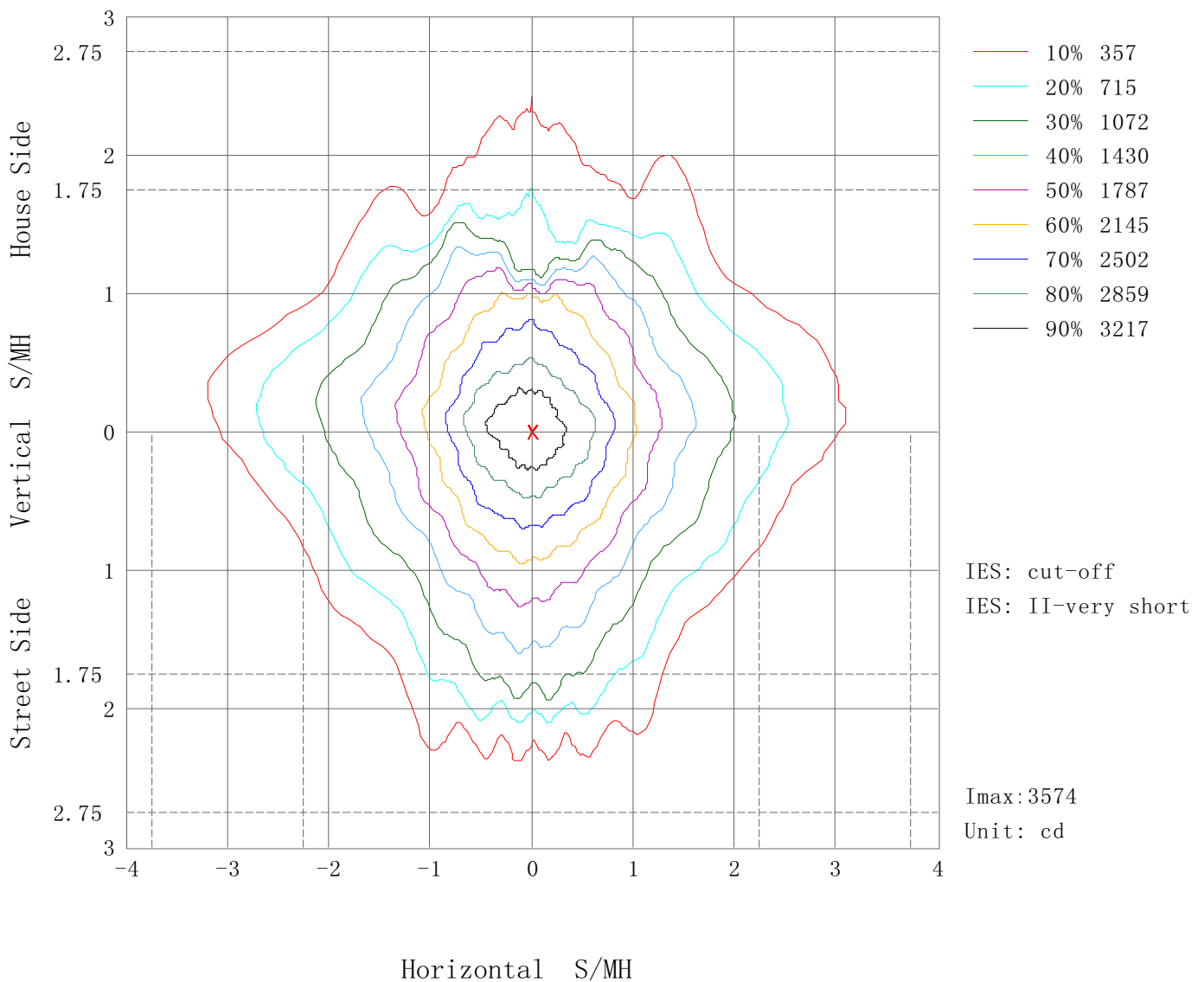
y Range 0-90 Degree  
 y Interv 0.9 Degree  
 Test Date 2013-07-19  
 Test Tim 21-35-17

Temperatur  
 Humidit  
 Test No.  
 Tester

## Isocandela Curve of Lamp

Lamp Description		
Lamp Name: STL-80W-AC1	Lamp Size	Lamp Weight
Lamp Type: LED	Rated Volta	Rated Powe:
Light Typ	Light Number	Rated Flu
Light Standæ	Light Are	Light Flu

### Isocandela Curve (IES)



c Range 0-360 Degree  
 c Interv 10 Degree  
 Test Spee Fast  
 Test Distan 6.0 m  
 Note: notes

y Range 0-90 Degree  
 y Interv 0.9 Degree  
 Test Date 2013-07-19  
 Test Tim 21-35-17

Temperatur  
 Humidit  
 Test No.  
 Tester

## Lamp Ring with Flux

Lamp Description		
Lamp Name: STL-80W-AC1	Lamp Size	Lamp Weight
Lamp Type: LED	Rated Volta	Rated Powe:
Light Typ	Light Number	Rated Flu
Light Standæ	Light Are	Light Flu

$\gamma$	C0	C90	C180	C270	$\gamma(^{\circ})$	$\Phi(\text{Ring})$	$\Phi(\text{Total})$	%
3.6	3570	3528	3542	3556	0.0-3.6	43.90	43.90	0.53
7.2	3537	3448	3572	3511	3.6-7.2	130.5	174.4	2.12
10.8	3421	3322	3431	3446	7.2-10.8	212.9	387.3	4.71
14.4	3328	3192	3357	3296	10.8-14.4	287.4	674.7	8.21
18.0	3244	3076	3304	3155	14.4-18.0	354.2	1029	12.52
21.6	3162	2950	3238	3023	18.0-21.6	527.2	1556	18.93
25.2	3077	2835	3143	2929	21.6-25.2	481.0	2037	24.78
28.8	2980	2691	3016	2831	25.2-28.8	525.6	2563	31.17
32.4	2835	2550	2833	2717	28.8-32.4	560.3	3123	37.99
36.0	2648	2389	2637	2593	32.4-36.0	583.4	3706	45.08
39.6	2488	2238	2452	2455	36.0-39.6	595.7	4302	52.33
43.2	2298	2086	2270	2307	39.6-43.2	597.7	4900	59.60
46.8	2086	1919	2059	1594	43.2-46.8	579.3	5479	66.65
50.4	1852	1761	1848	893.4	46.8-50.4	543.8	6023	73.26
54.0	1633	1551	1625	788.2	50.4-54.0	499.7	6523	79.34
57.6	1431	1341	1416	748.7	54.0-57.6	446.9	6969	84.78
61.2	1193	1004	1211	672.5	57.6-61.2	388.3	7358	89.50
64.8	906.5	399.9	964.5	458.1	61.2-64.8	301.6	7659	93.17
68.4	680.7	204.7	742.1	297.0	64.8-68.4	204.2	7864	95.65
72.0	264.0	172.1	233.6	226.6	68.4-72.0	124.0	7988	97.16
75.6	124.1	150.2	139.8	191.3	72.0-75.6	54.62	8042	97.82
79.2	101.7	129.9	122.8	164.6	75.6-79.2	54.53	8097	98.49
82.8	82.14	110.8	104.9	145.2	79.2-82.8	47.02	8144	99.06
86.4	67.88	90.93	91.32	131.9	82.8-86.4	41.21	8185	99.56
90.0	56.01	72.26	79.68	121.2	86.4-90.0	36.07	8221	100.00
Unit: $^{\circ}$	Intensity Unit: cd					Unit: lm		

