



**CROSS  
MINING**

Iluminación industrial

## Proyector 150W

**CM-7896SL**

Diseñado para aplicaciones exigentes, este proyector LED ofrece una eficiencia luminosa de hasta 115–118 lm/W, con un flujo total de  $\geq 17.000$  lm y un ángulo de apertura promedio de  $103^\circ$ , ideal para iluminación amplia y uniforme. Su construcción robusta incluye protección IP65 contra agua y polvo, asegurando fiabilidad y resistencia para uso industrial.



# PHILIPS

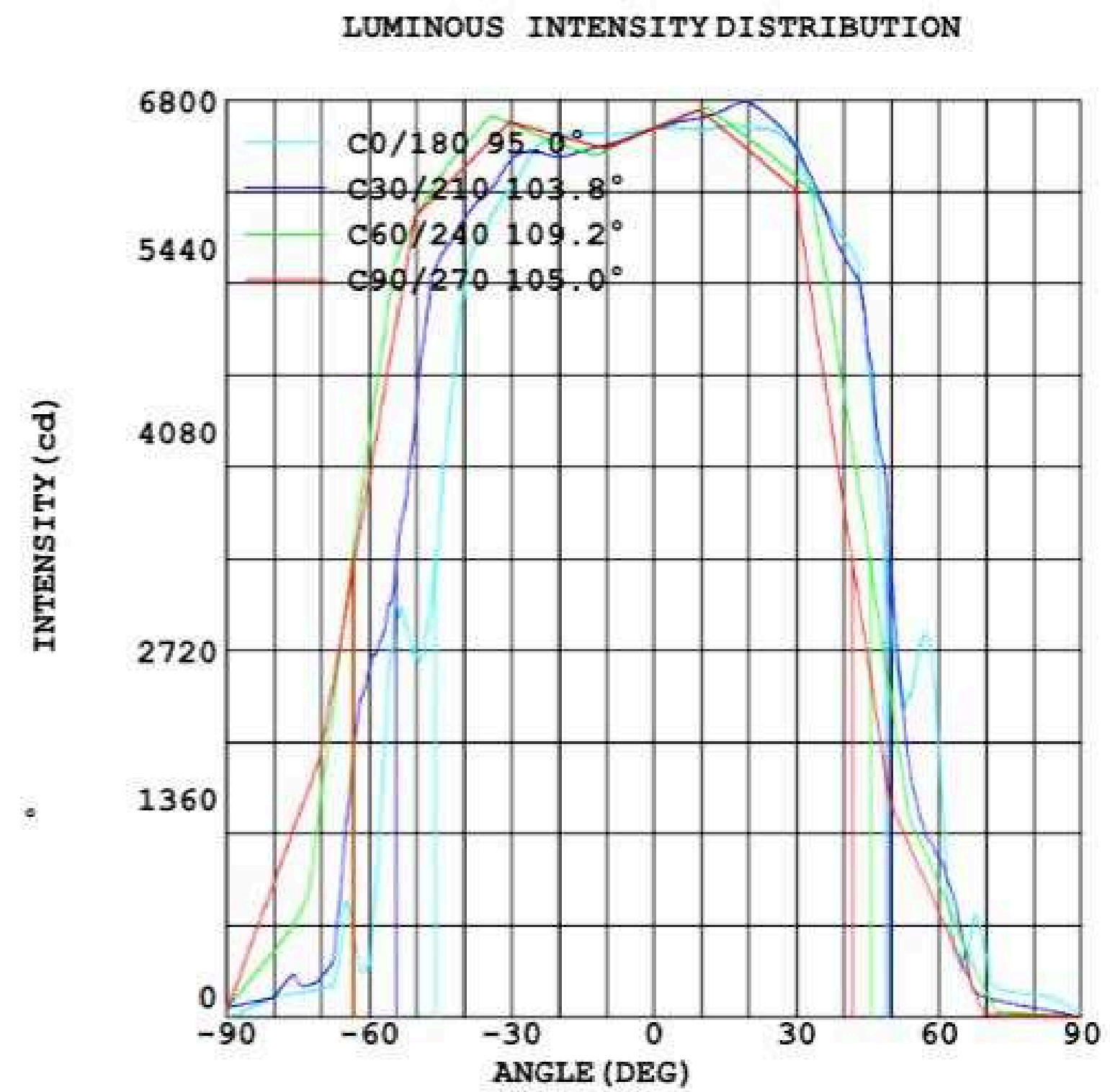
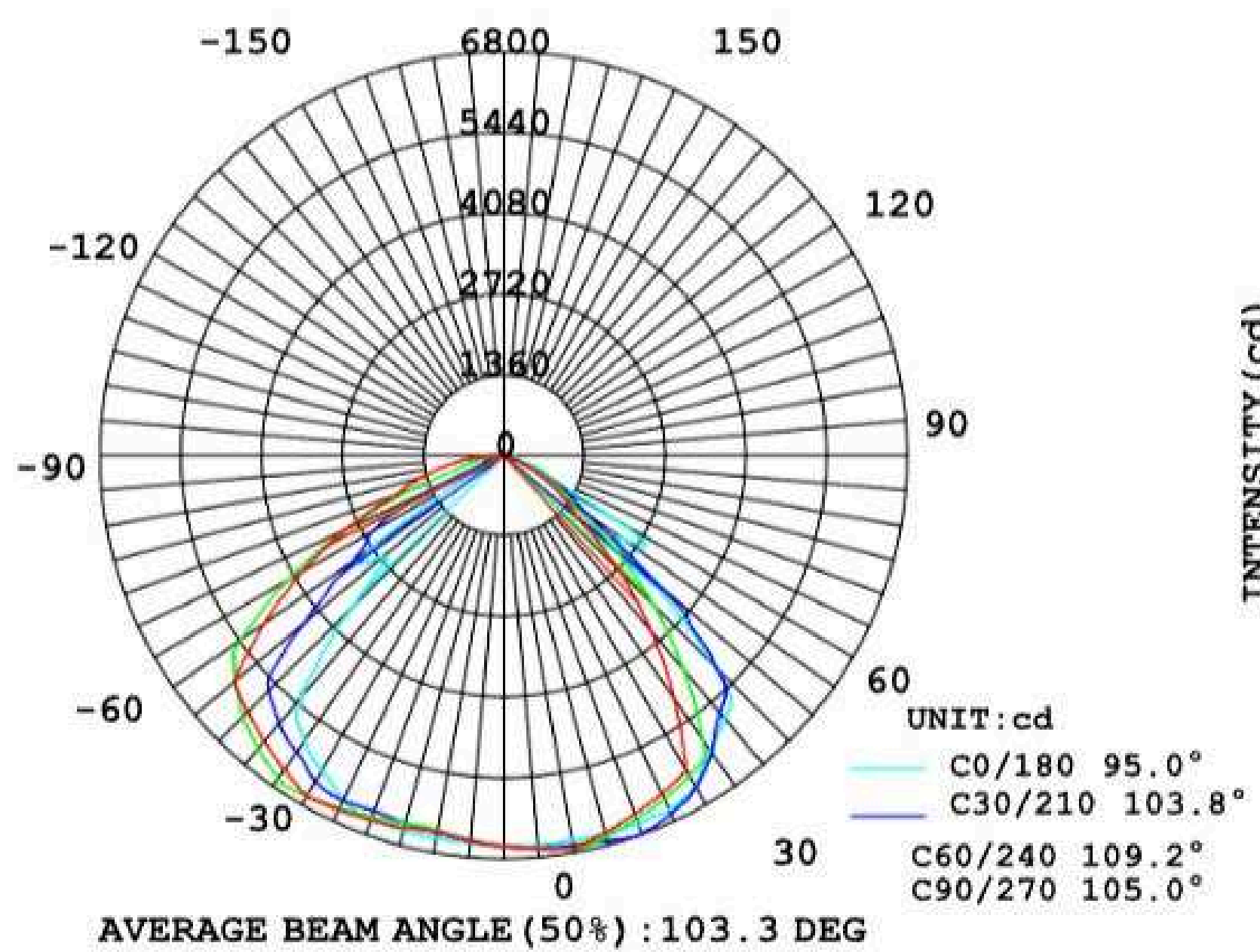




## Parámetros técnicos

Lamp Description		
manufacturer:	Model: CM-7896SL	
Name : Led Flood Light 150W	Type: Philips SMD3030 + ELG Meanwell Driver	Weight: 10.5 kg
Specification: $\geq 17.000$ lm (115–118 lm/W), Ra $\geq 80$	Dimension: 250 × 270 × 178 mm	serial N°: AM1963490

MeasuredData of Lamp		
Modale:	Imax(cd): 6800	Effective Flux(lm): 17236.9
Nominal Power (w): 150	Maximum (C, $\gamma$ ): 210, 19.5	EEL: 0.153
Rated Voltage (V): AC85–265	Efficiency: 115–118	Voltage (V): 220.3
Nominal Flux (lm): $\geq 17.000$	$\eta$ street_up(%): 0.0	Current (A): 0.902
Test Flux(lm): 17659	$\eta$ street_down(%): 59.8	Power (W): 193.6
Lamps Quantify: 1	$\eta$ house_up(%): 0.0	Power Factor: $\geq 0.95$
Total Flux (lm): 17659	$\eta$ house_down(%): 40.2	Efficiency (lm/W): 91.2



Test System:HOPOO HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:20151118

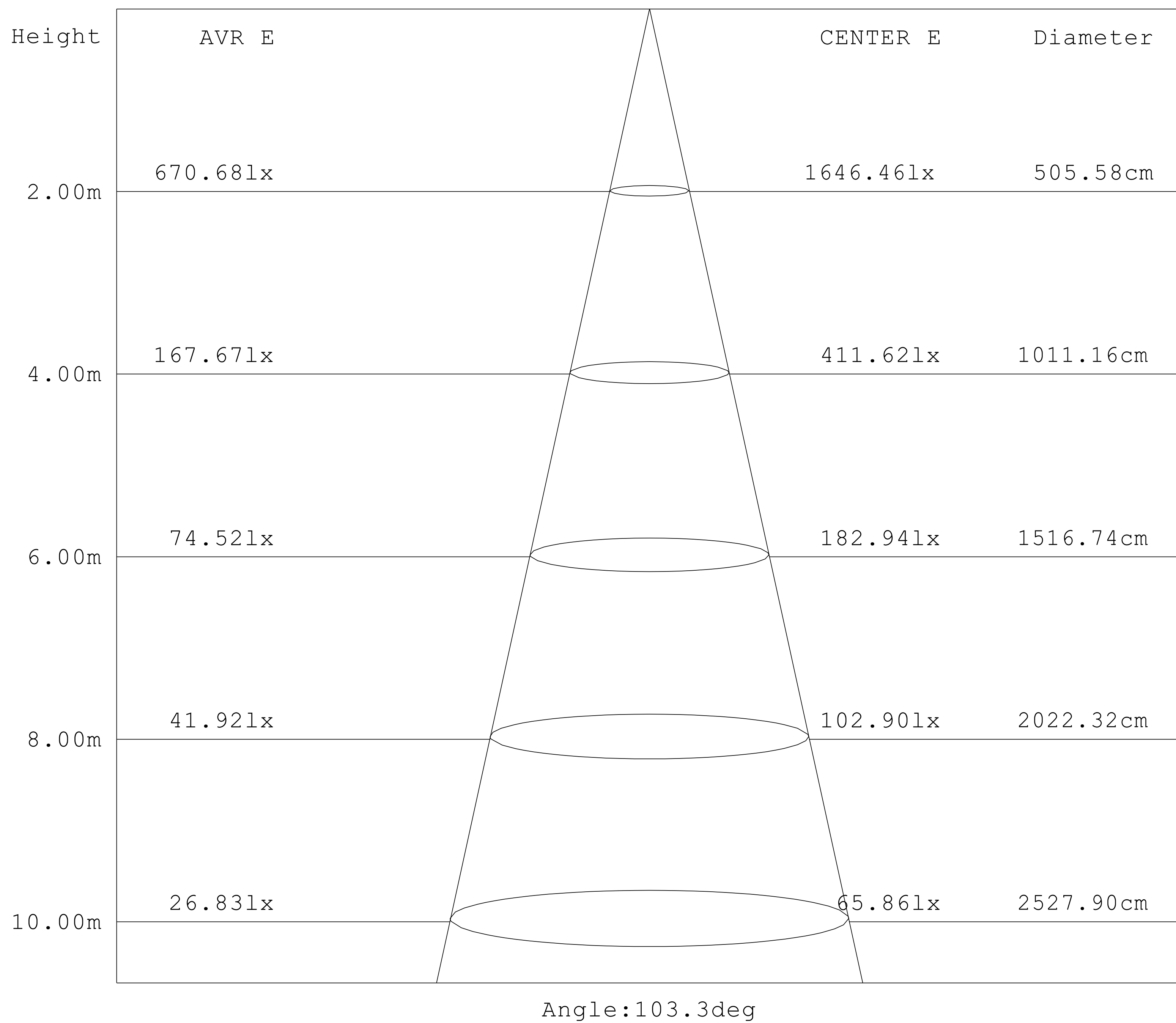
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:



## Street Light Photometric Test Report

Lamp Description		
manufacturer:	Model: CM-9856-SL	
Name : Led Flood Light 200W	Type:	Weight:
Specification:	Dimension:	serial N°: FL-C20151

### AVERAGE AND CENTER E Figure



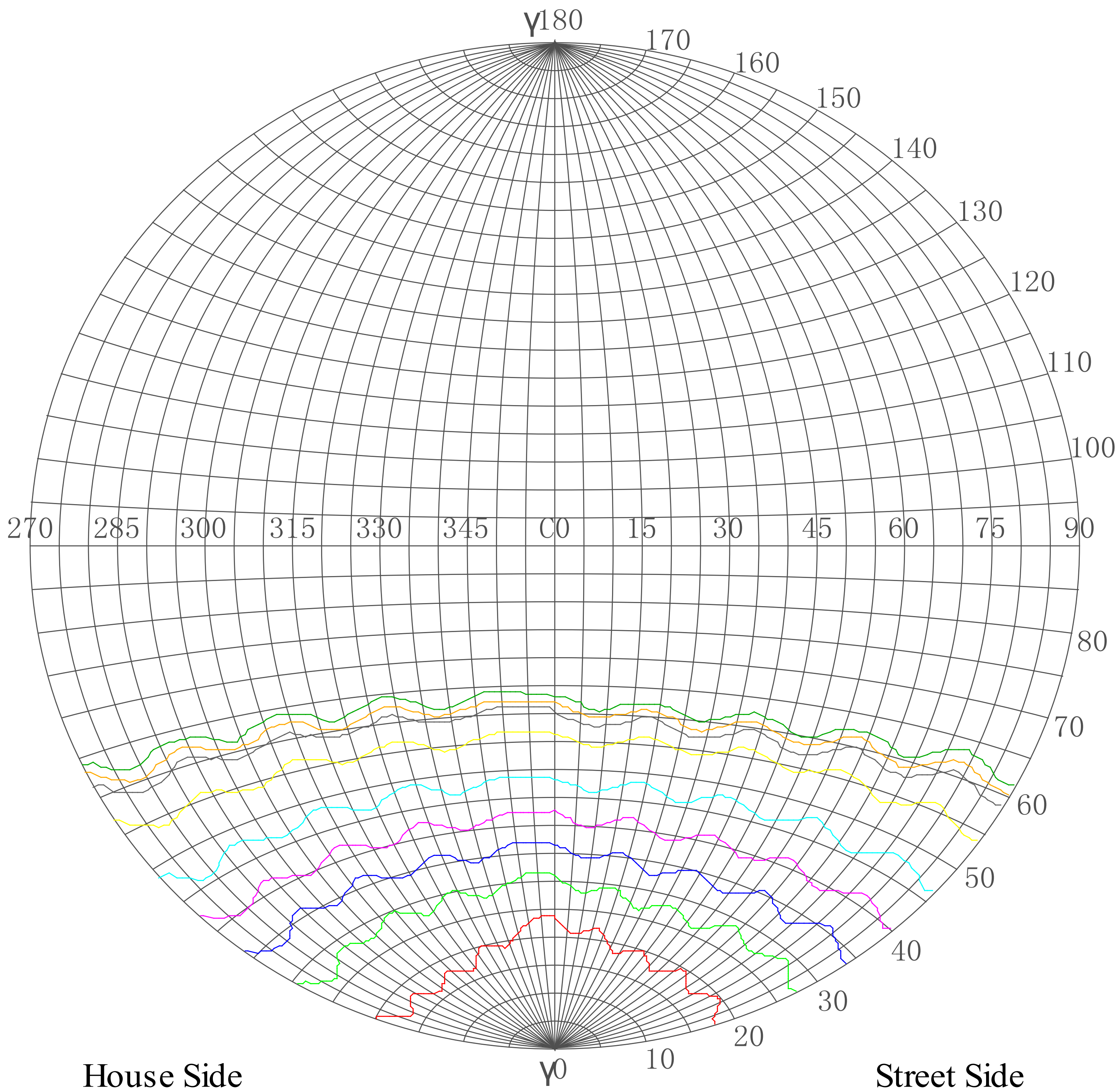
Test System: HOPOO HPG1900  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 20151118

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:



## Street Light Photometric Test Report

Lamp Description		
manufacturer:	Model: CM-9856-SL	
Name : Led Flood Light 200W	Type:	Weight:
Specification:	Dimension:	serial N°: FL-C20151



### Road Lamp Type

CIE: cut-off  
 CIE: short-narrow extension  
 IES: cut-off  
 IES: II-very short  
 Max. At80: 7.81cd/klm  
 Max. At90: 6.5117cd/klm

Isocandela Curve(Round Net)	
Intensity Unit	cd
Imax = 100%	9608
— 90%	8648
— 80%	7687
— 70%	6726
— 60%	5765
— 50%	4804
— 40%	3844
— 30%	2883
— 20%	1922
— 10%	961

c Range: 0-360 Degree  
 c Interval: 10 Degree  
 Test Speed: Fast  
 Test Distance: 8.0 m  
 Note:

$\gamma$  Range: 0-90 Degree  
 $\gamma$  Interval: 0.9 Degree  
 Test Date: 2012-05-28  
 Test Time: 17:25:49

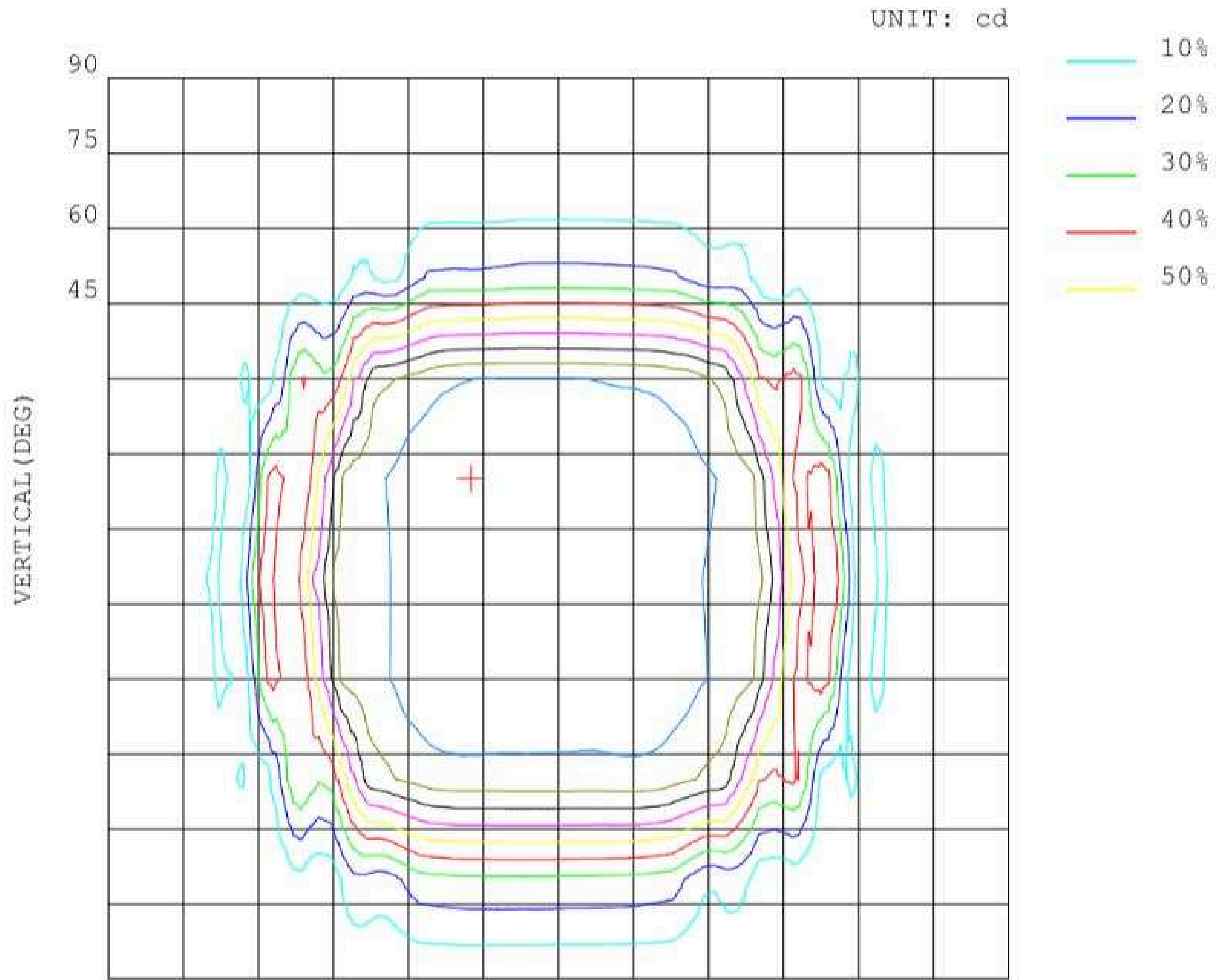
Temperature: 25 Celsius  
 Humidity: 65%  
 Test No.:  
 Tester:



Lamp Description

manufacturer:	Model: CM-9856-SL	
Name : Led Flood Light 200W	Type:	Weight:
Specification:	Dimension:	serial N°: FL-C20151

ISOCANDELA DIAGRAM



Test System:HOPOO HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:20151118

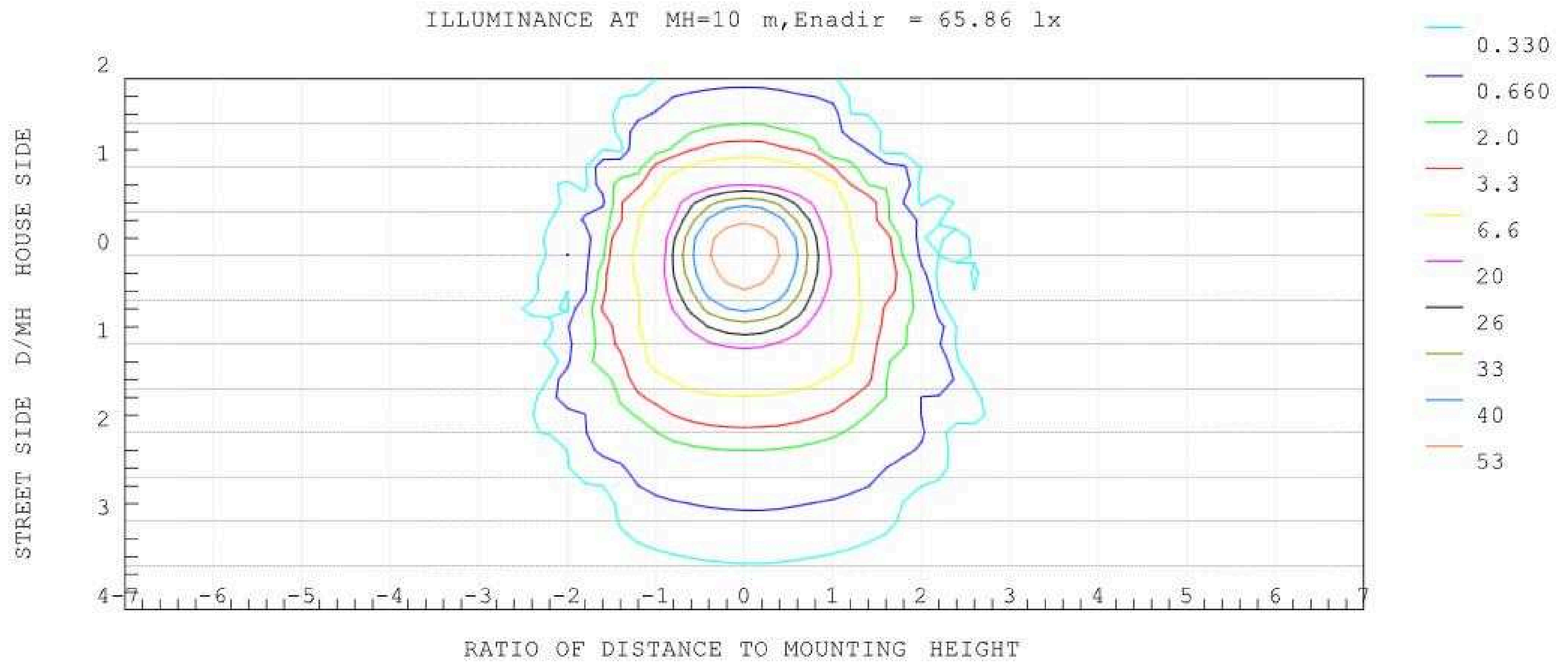
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:



**Lamp Description**

manufacturer:	Model: CM-9856-SL	
Name : Led Flood Light 200W	Type:	Weight:
Specification:	Dimension:	serial N°: FL-C20151

**ISOLUX DIAGRAM**



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:20151118

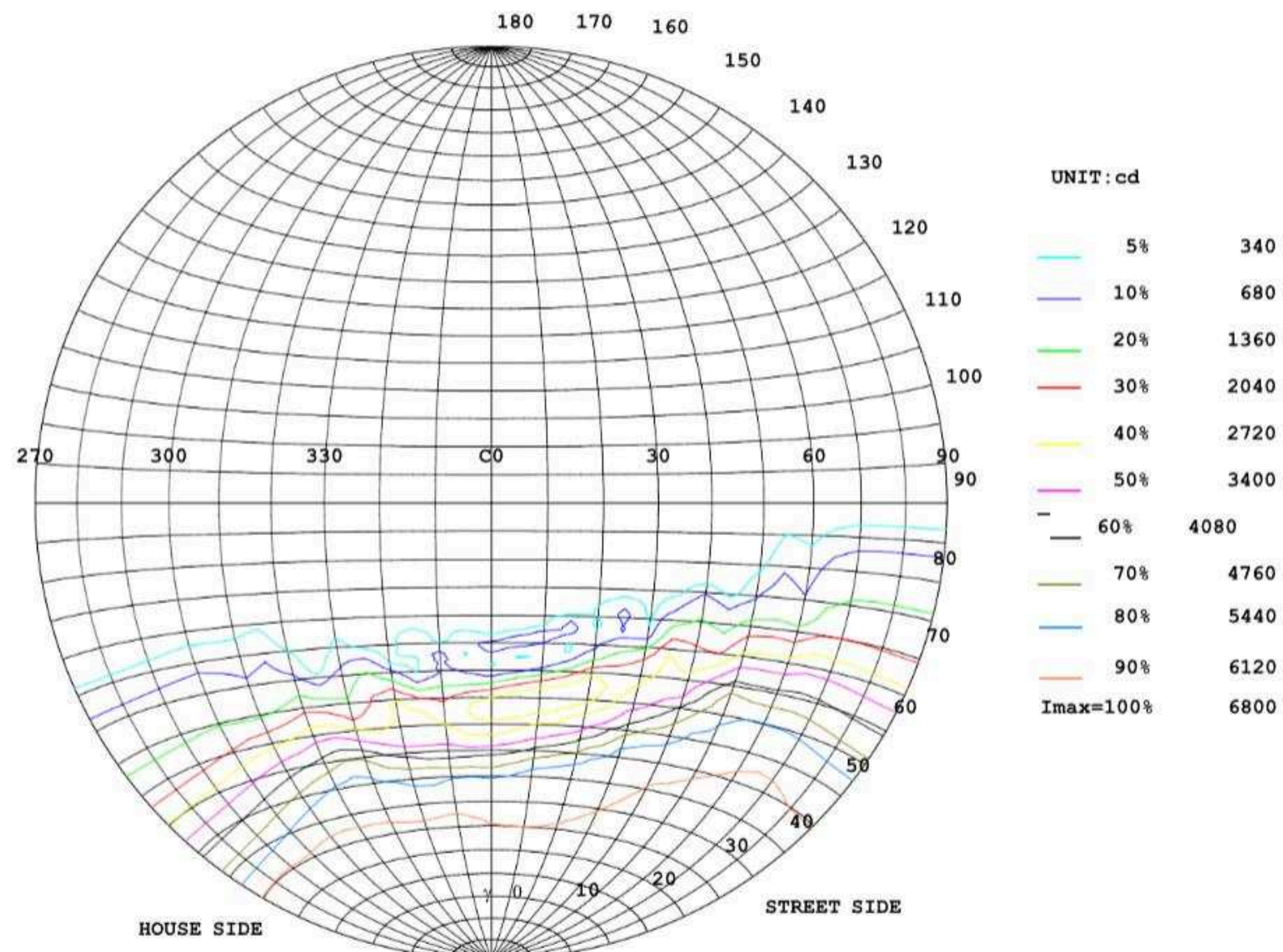
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:



**Lamp Description**

manufacturer:	Model: CM-9856-SL	
Name : Led Flood Light 200W	Type:	Weight:
Specification:	Dimension:	serial N°: FL-C20151

**ISOCANDELA DIAGRAM**

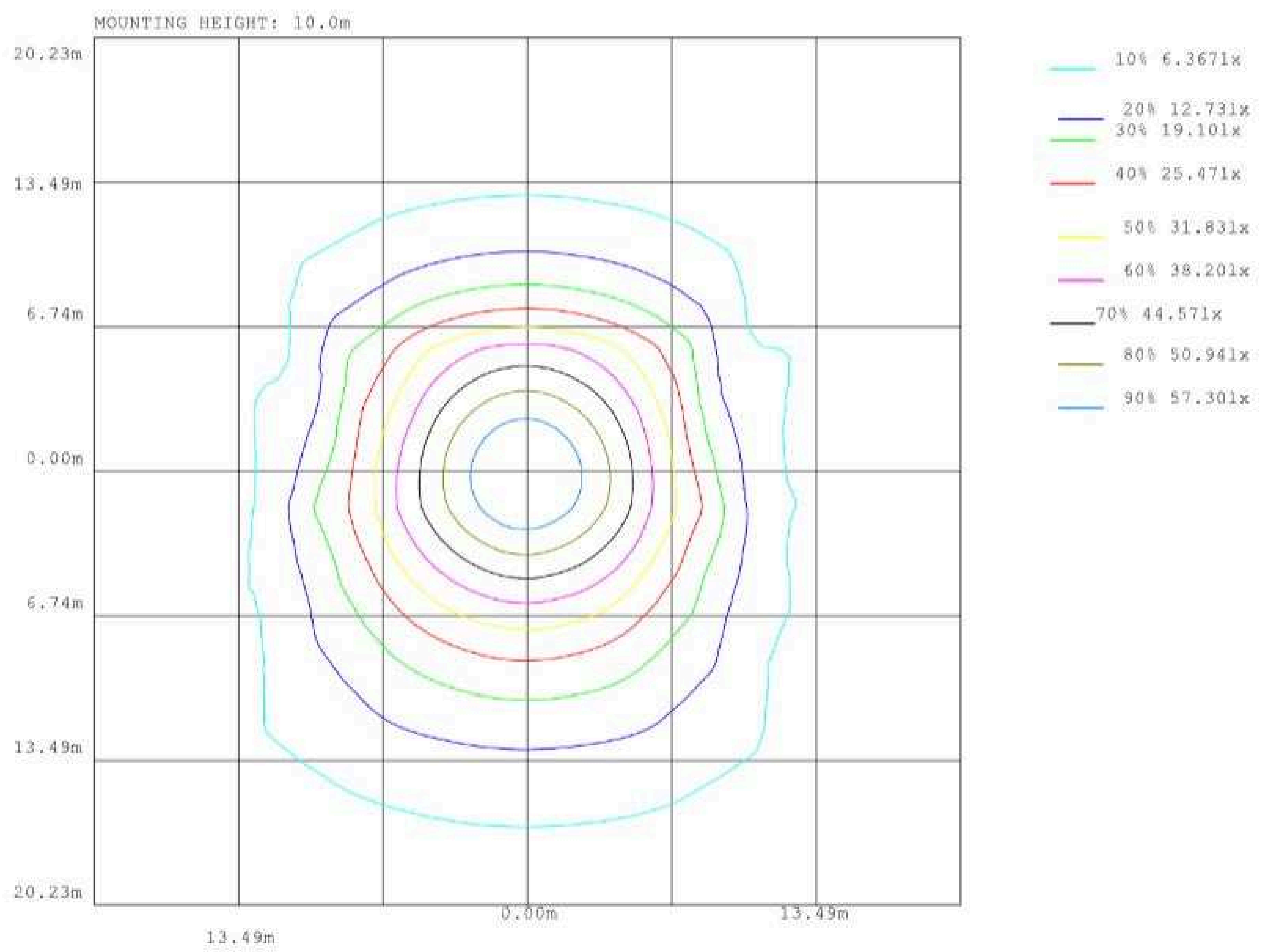




**Lamp Description**

manufacturer:	Model: CM-9856-SL	
Name : Led Flood Light 200W	Type:	Weight:
Specification:	Dimension:	serial N°: FL-C20151

**ISOLUX DIAGRAM**



Test System:HOPOO HPG1900  
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 Operators:  
 Test Date:20151118

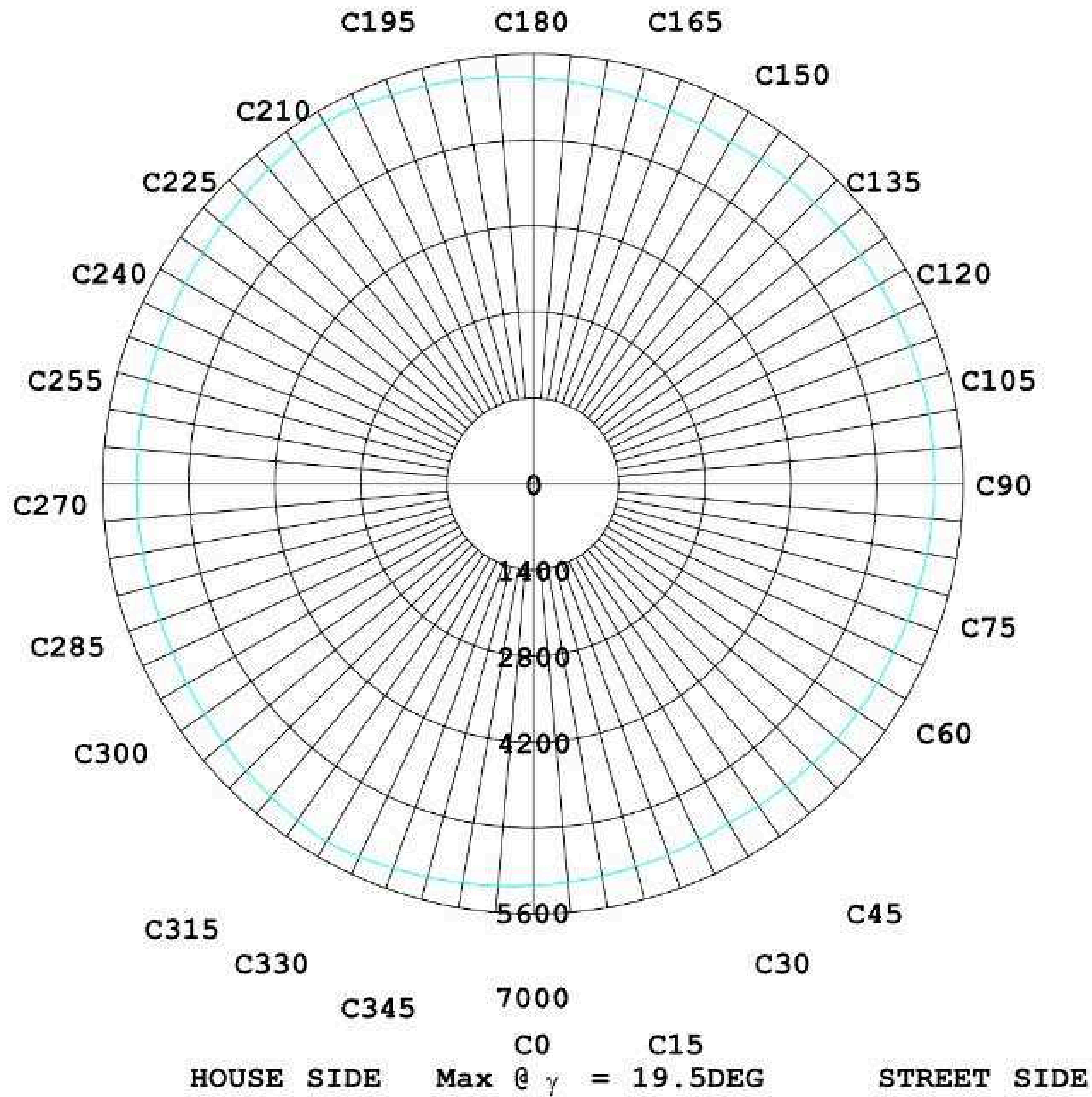
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:



**Lamp Description**

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**ISOCANDELA DIAGRAM**



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Temperature:25.3DEG  
Operators:  
Test Date:20151118

Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
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Remarks:

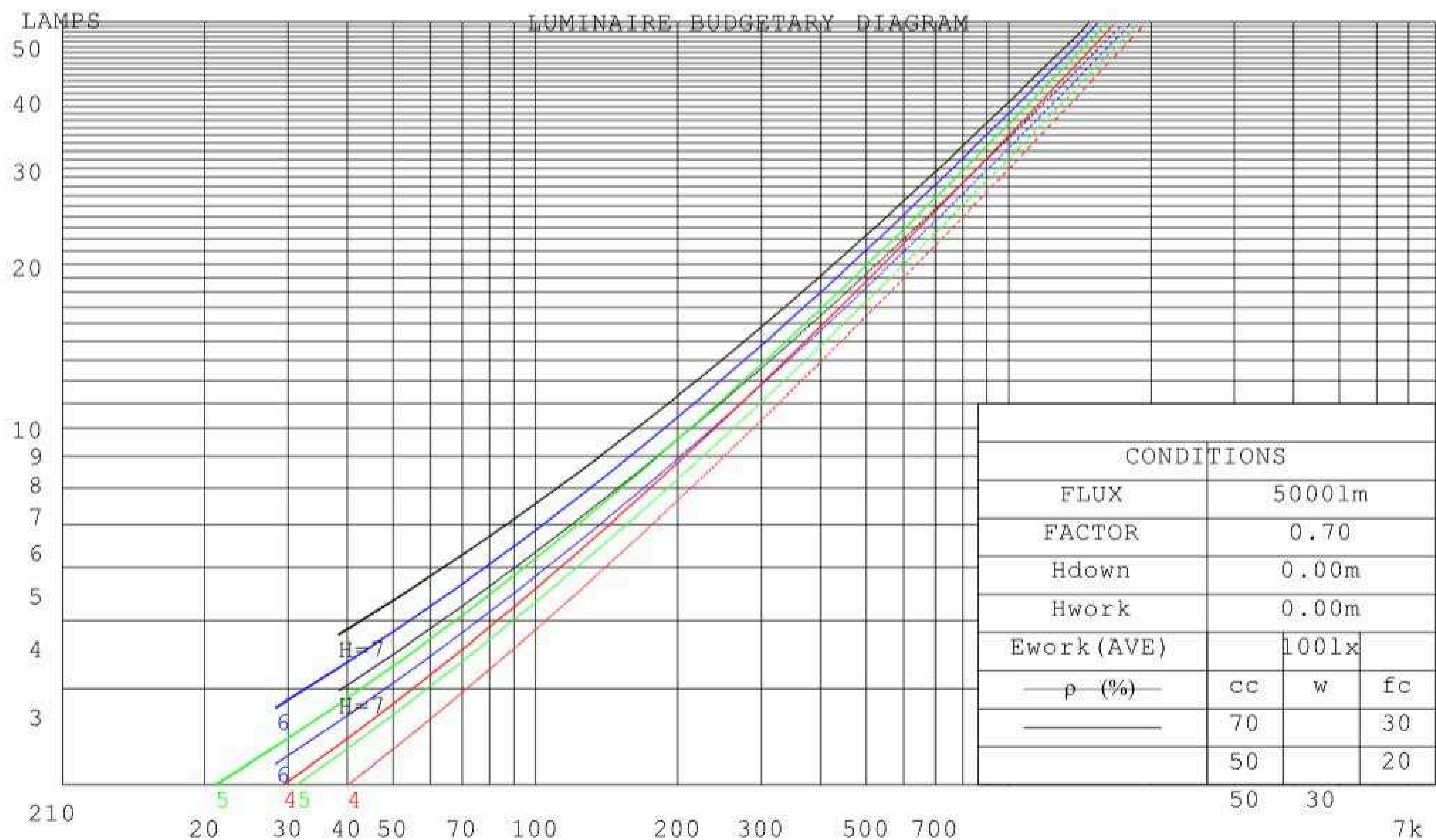


**Lamp Description**

manufacturer:	Model: CM-9856-SL	
Name : Led Flood Light 200W	Type:	Weight:
Specification:	Dimension:	serial N°: FL-C20151

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

$\rho_{cc}$	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.06	1.02	.99	1.04	1.01	.97	.90	.97	.94	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.86	.82	.78	.83	.79	.77	.75
3.0	.84	.76	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.74	.70	.66	.64
4.0	.75	.67	.60	.73	.66	.60	.71	.64	.59	.69	.63	.58	.67	.62	.58	.56
5.0	.67	.59	.52	.66	.58	.52	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49
6.0	.61	.52	.46	.60	.52	.46	.58	.51	.45	.56	.50	.45	.55	.49	.45	.43
7.0	.55	.47	.41	.54	.46	.41	.53	.46	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.36	.50	.42	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.44	.37	.33	.43	.37	.32	.42	.37	.32	.30
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.39	.33	.29	.28



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