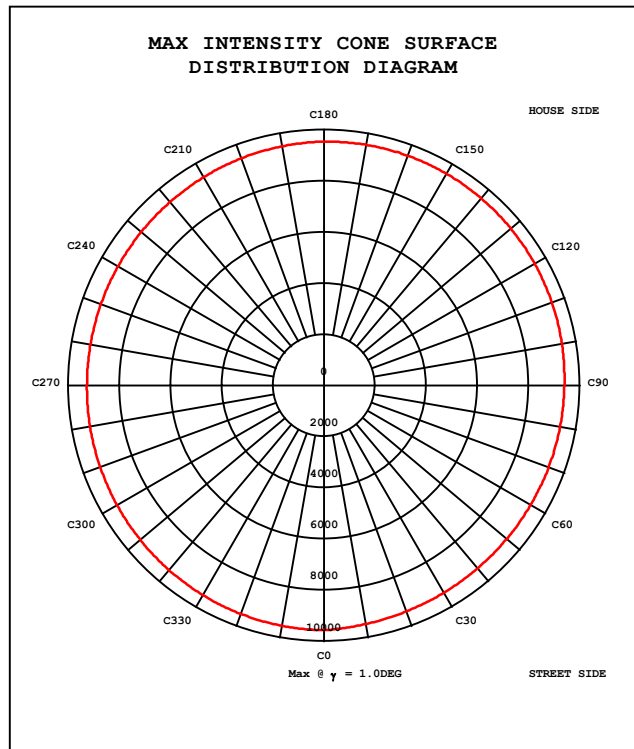
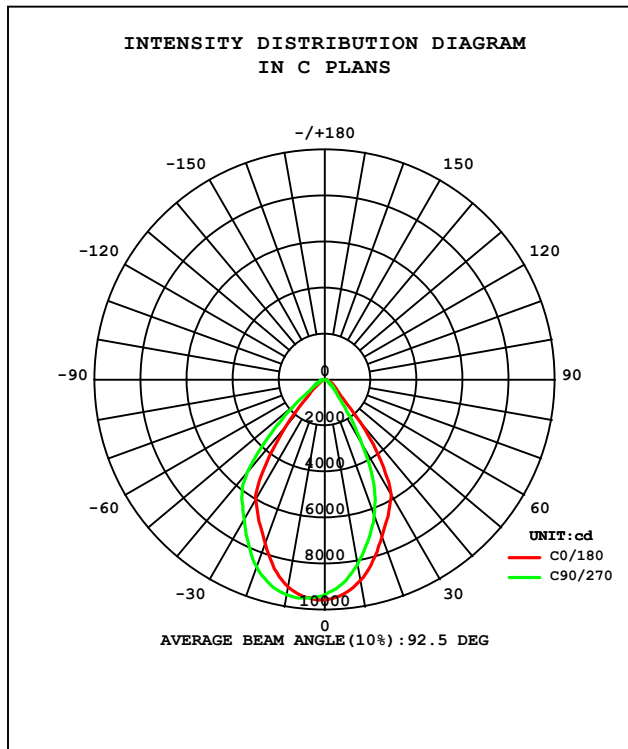


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 150W SMD LED HIGHBAY	TYPE: HIGHBAY	WEIGHT:
MODEL NO.: BT44-09422; BT44-09432	SPECIFICATION:	SERIAL No.:
DIMENSION:	SURFACE:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	BT44-09432	Imax (cd)	9569	η street_up (%)	0.0
NOMINAL POWER (W)	144	LOR (%)	110.3	η street_down (%)	83.7
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	11029	η house_up (%)	0.0
NOMINAL FLUX (lm)	10000	MAXIMUM @ (C, γ)	0, 1.0	η house_down (%)	26.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	219.1	η down (%)	110.3	SLI	



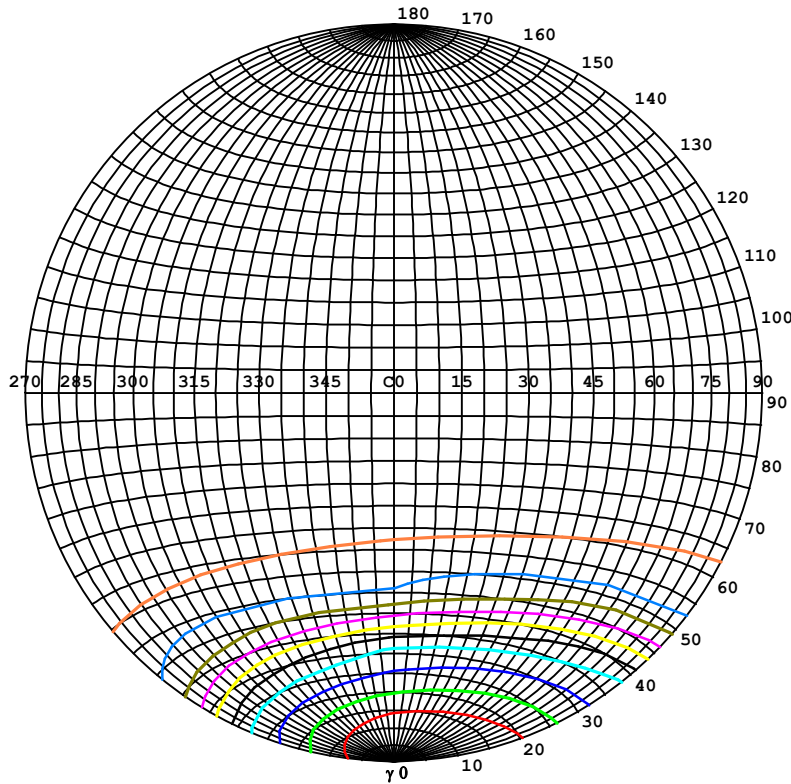
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.255
 Humidity: 65.0%
 Test Distance: 6.600m [K=1.0000]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

NAME: 150W SMD LED HIGHBAY	TYPE:HIGHBAY	WEIGHT:
MODEL NO.:BT44-09422;BT44-09432	SPECIFICATION:	SERIAL No.:
DIMENSION:	SURFACE:	PROTECTION ANGLE:



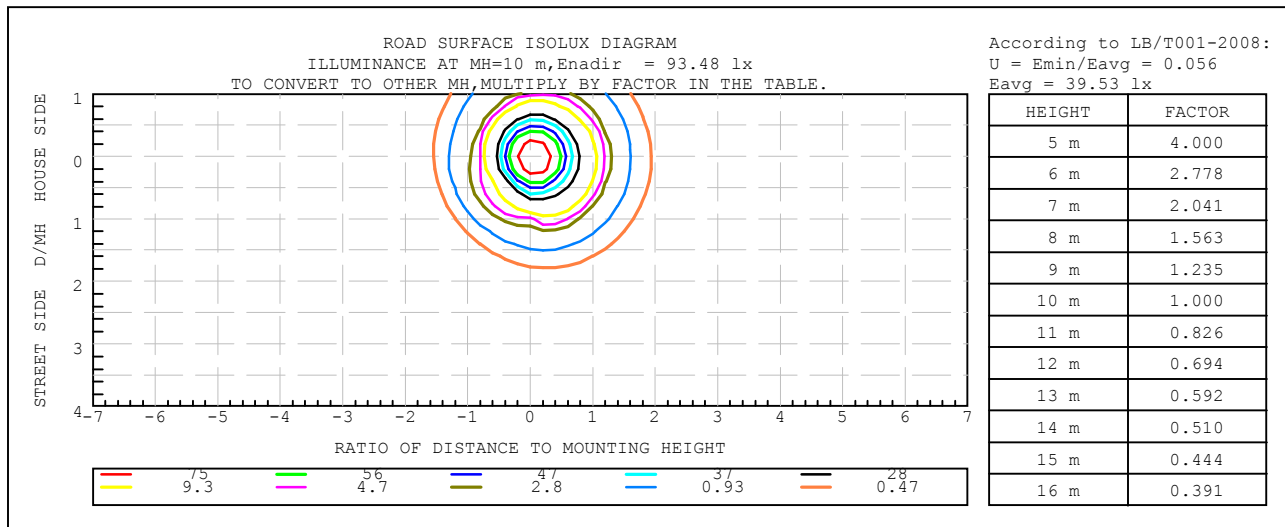
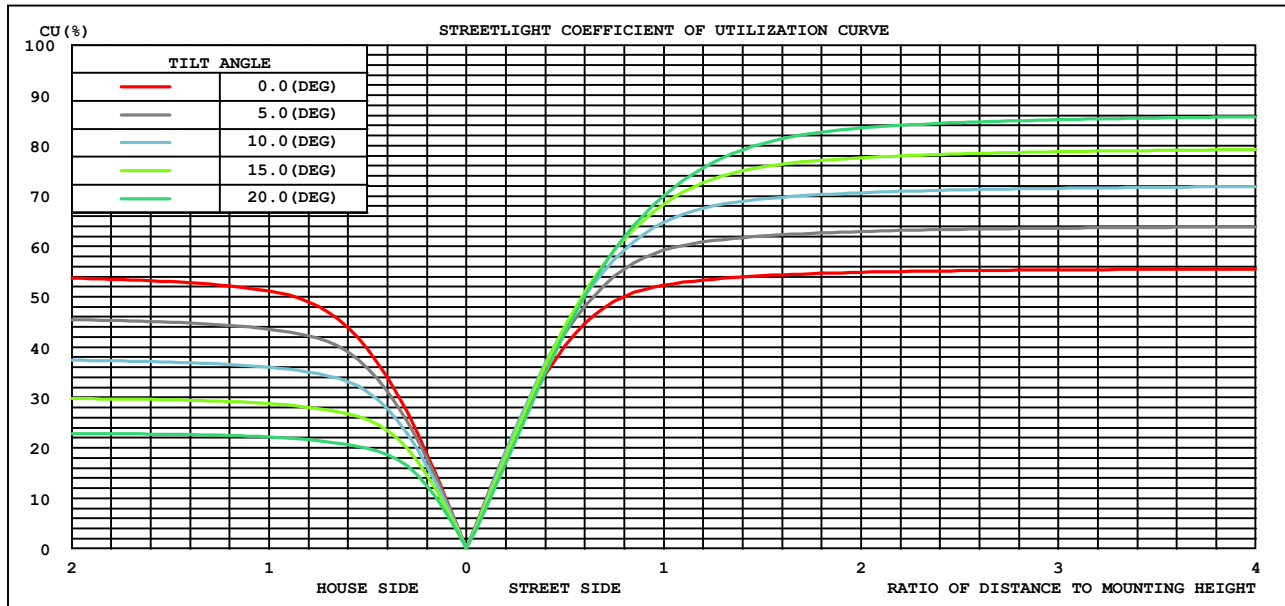
Classification:
 IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:14.18cd/klm
 Max.At90:5.350cd/klm
 Max.80-90:14.18cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9569
90%	8612
80%	7655
70%	6698
60%	5742
50%	4785
40%	3828
30%	2871
20%	1914
10%	957
5%	478

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.255
 Humidity:65.0%
 Test Distance:6.600m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.255
Humidity: 65.0%
Test Distance: 6.600m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

NAME: 150W SMD LED HIGHBAY	TYPE: HIGHBAY	WEIGHT:
MODEL NO.: BT44-09422; BT44-09432	SPECIFICATION:	SERIAL No.:
DIMENSION:	SURFACE:	PROTECTION ANGLE:

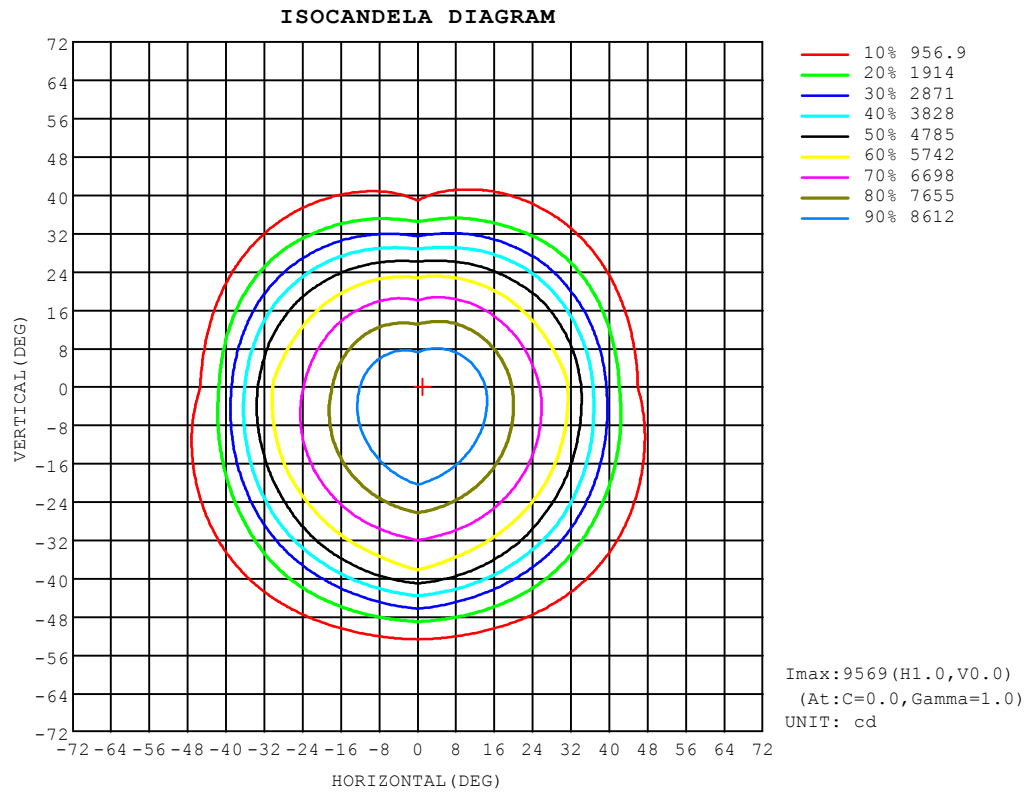
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%
10	9162	9489	8884	8161					0- 10	876.8	876.8	7.95
20	7597	8677	7284	6322					10- 20	2317	2317	28.96
30	6021	7024	5821	3328					20- 30	3003	3003	56.18
40	2660	5235	2443	877.9					30- 40	2592	2592	79.68
50	737.3	1635	725.1	465.8					40- 50	1258	1258	91.08
60	401.1	564.6	396.6	229.7					50- 60	514.5	514.5	95.75
70	196.3	293.3	189.2	92.33					60- 70	283.3	283.3	98.32
80	71.32	141.8	65.90	23.03					70- 80	134.7	134.7	99.54
90	16.21	53.50	23.05	25.63					80- 90	50.84	50.84	100.00
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY: cd								UNIT: lm			

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.255
 Humidity: 65.0%
 Test Distance: 6.600m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: 150W SMD LED HIGHBAY	TYPE:HIGHBAY	WEIGHT:
MODEL NO.:BT44-09422;BT44-09432	SPECIFICATION:	SERIAL No.:
DIMENSION:	SURFACE:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-09-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.255
 Humidity:65.0%
 Test Distance:6.600m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 150W SMD LED HIGHBAY	TYPE:HIGHBAY	WEIGHT:
MODEL NO.:BT44-09422;BT44-09432	SPECIFICATION:	SERIAL No.:
DIMENSION:	SURFACE:	PROTECTION ANGLE:

Table--1

UNIT: cd

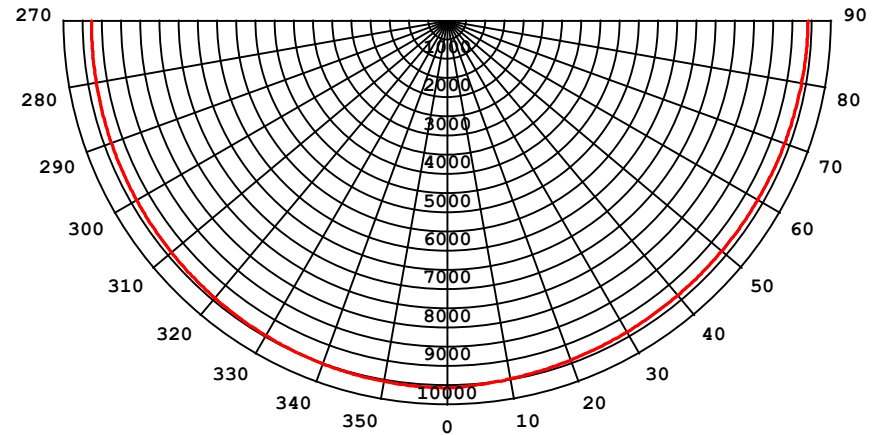
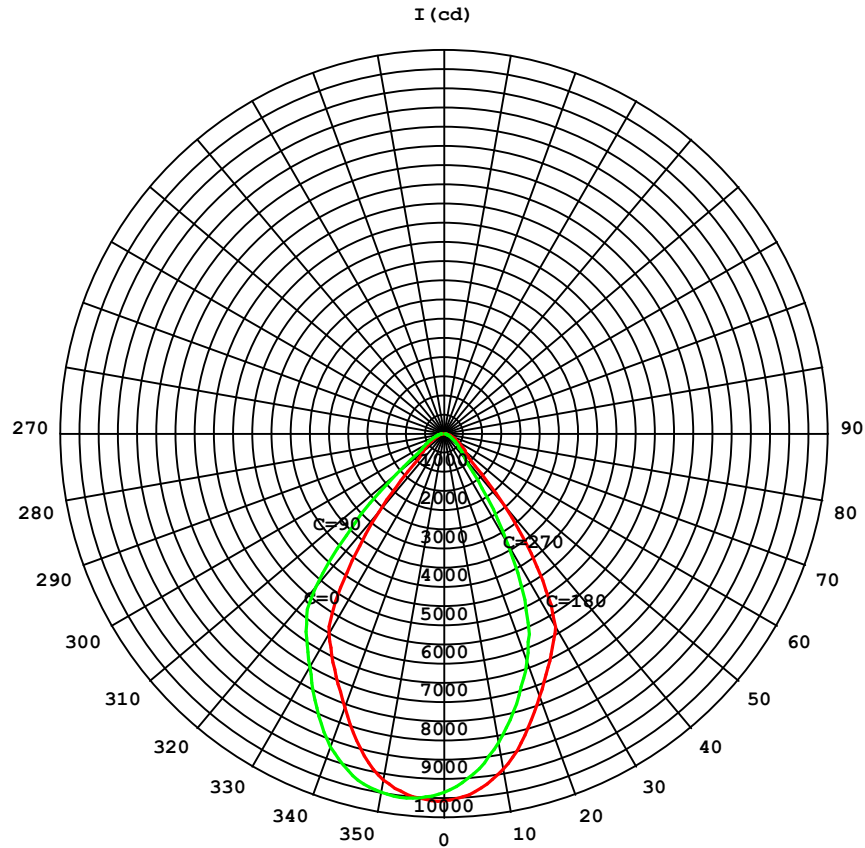
γ (DEG)\C (DEG)	C (DEG)																		
	0	90	180	270															
0	9557	9345	9557	9345															
5	9489	9528	9365	8896															
10	9162	9489	8884	8161															
15	8484	9215	8141	7297															
20	7597	8677	7284	6322															
25	6776	7881	6532	5082															
30	6021	7024	5821	3328															
35	4427	6299	4239	1734															
40	2660	5235	2443	878															
45	1121	3312	990	643															
50	737	1635	725	466															
55	550	767	546	329															
60	401	565	397	230															
65	286	412	279	154															
70	196	293	189	92.3															
75	127	205	120	45.9															
80	71.3	142	65.9	23.0															
85	29.7	91.2	29.1	23.4															
90	16.2	53.5	23.1	25.6															

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-09-28

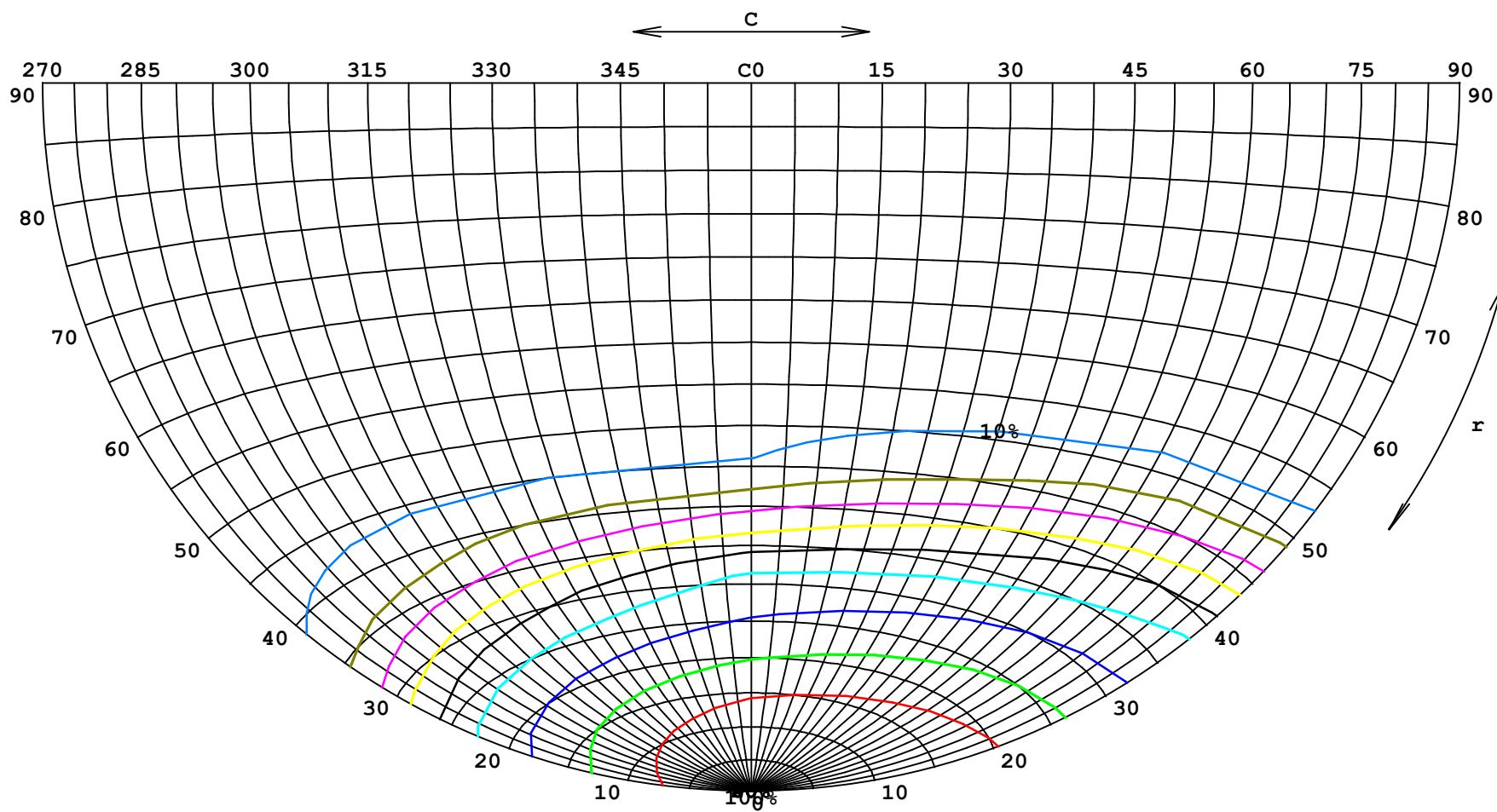
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.255
 Humidity:65.0%
 Test Distance:6.600m [K=1.0000]
 Remarks:

FLUX DATA:

LOR:	110.3 %
STREET DOWN:	8373 lm
STREET UP:	0 lm
HOUSE DOWN:	2656 lm
HOUSE UP:	0 lm



$$I_{\max}(100\%) = 9569 \text{ cd}$$



$E_{max}(100\%) = 95.57 \text{ lx}$ $H = 10\text{m}$

