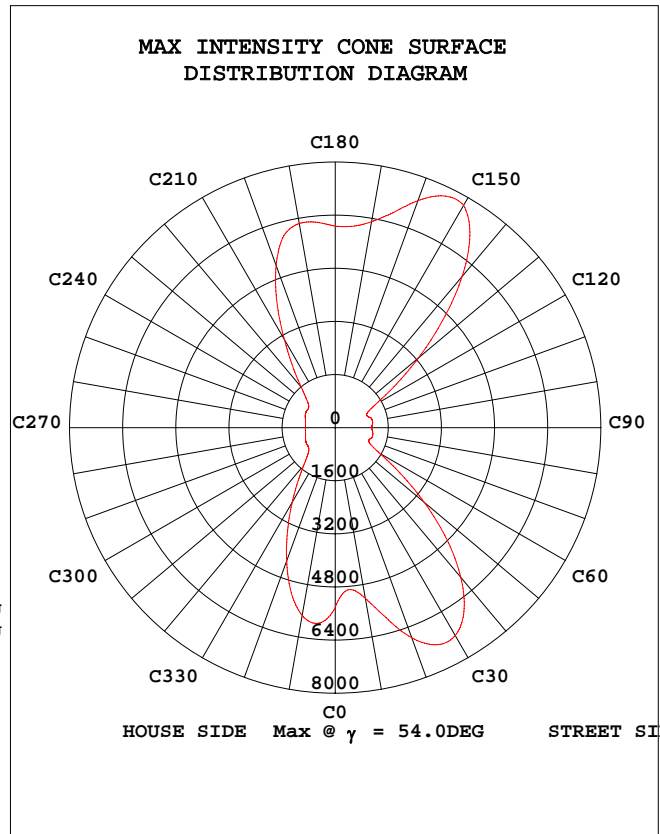
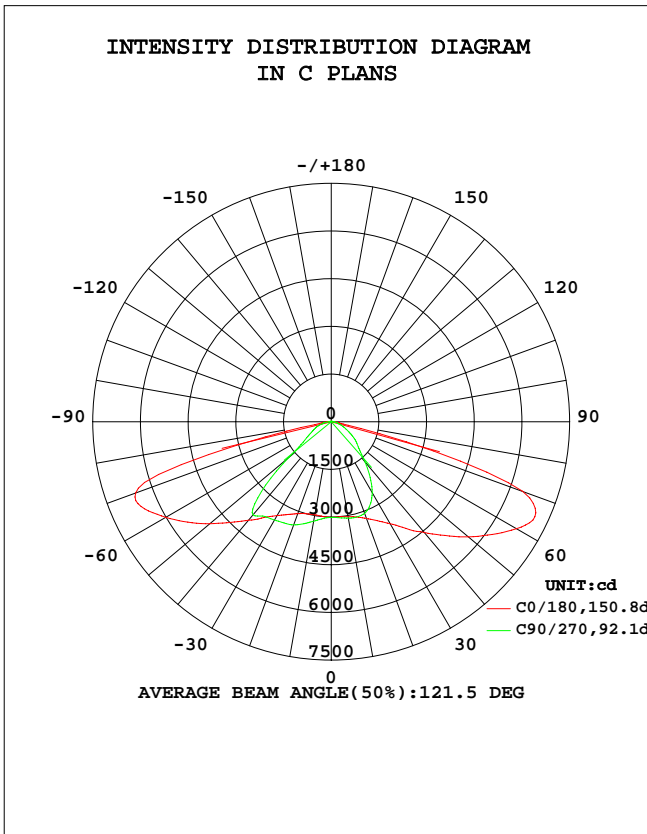


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.7080A P:151.2W PF:0.9670 Lamp Flux:14382.8x1 lm		
NAME: LED STREET LIGHT	TYPE:IP66	WEIGHT:12
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIHTING	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.12 lm/W			
MODEL	QH-STL-LD90S-150W	I _{max} (cd)	7733	η street_up(%)	0.5
NOMINAL POWER(W)	152	LOR(%)	100.0	η street_down(%)	58.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	14383	η house_up(%)	0.5
NOMINAL FLUX(lm)	14382.8	MAXIMUM @(C,γ)	150,54.0	η house_down(%)	41.0
LAMPS INSIDE	1	η up(%)	1.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.9	η down(%)	99.0	SLI	19.963

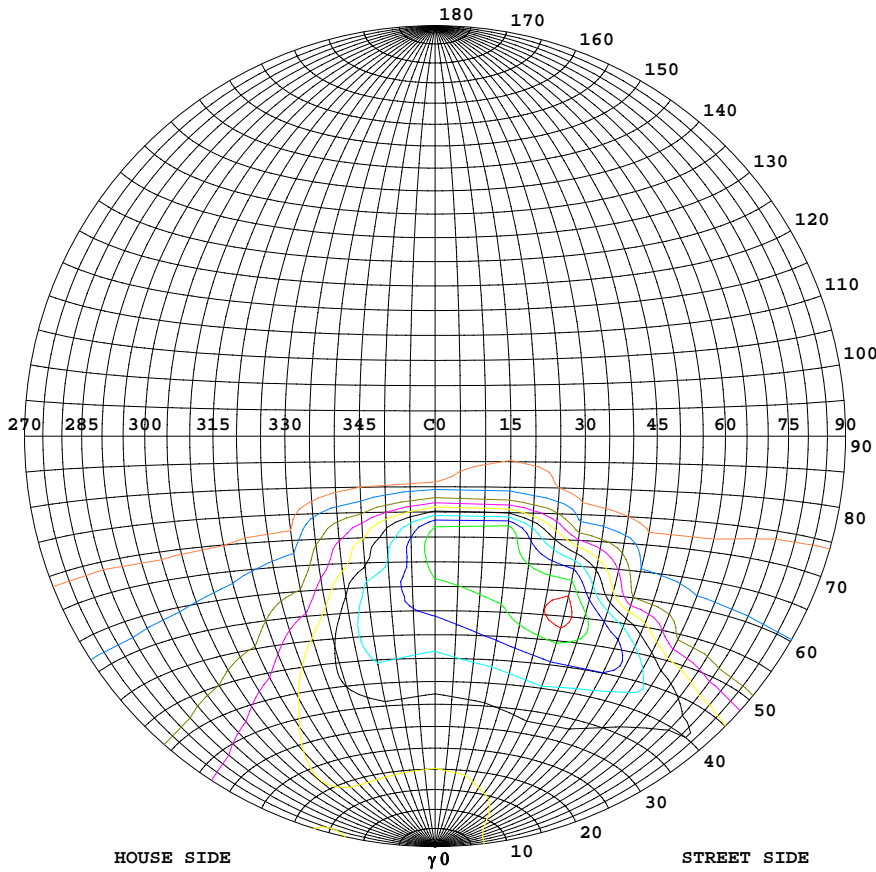


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:
 Test Date:2014-06-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:90.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.7080A P:151.2W PF:0.9670 Lamp Flux:14382.8x1 lm		
NAME: LED STREET LIGHT	TYPE:IP66	WEIGHT:12
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIHTING	SUR.:	PROTECTION ANGLE:



Classification:

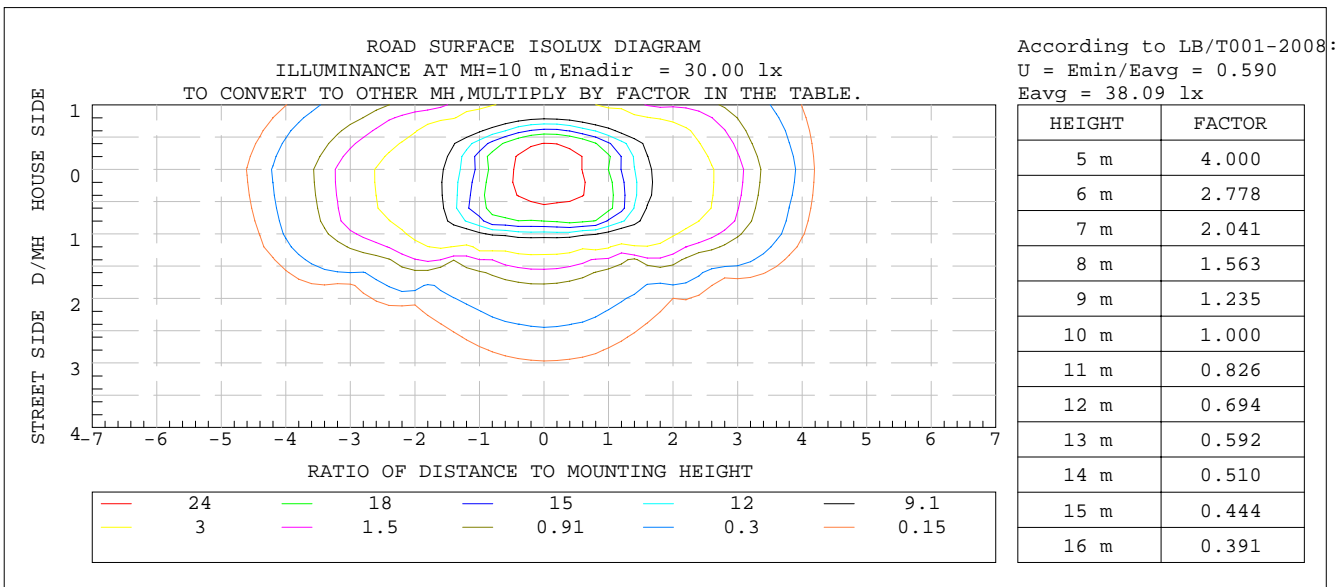
IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:43.14cd/klm
 Max.At90:8.906cd/klm
 Max.80-90:43.14cd/klm
 NRB 5101:Semi limited[21.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7733
90%	6960
80%	6187
70%	5413
60%	4640
50%	3867
40%	3093
30%	2320
20%	1547
10%	773
5%	387

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:
 Test Date:2014-06-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:90.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators:
Test Date: 2014-06-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity: 90.0%
Test Distance: 8.000m [K=1.0000]
Remarks: LED:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.7080A P:151.2W PF:0.9670 Lamp Flux:14382.8x1 lm		
NAME: LED STREET LIGHT	TYPE:IP66	WEIGHT:12
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIHTING	SUR.:	PROTECTION ANGLE:

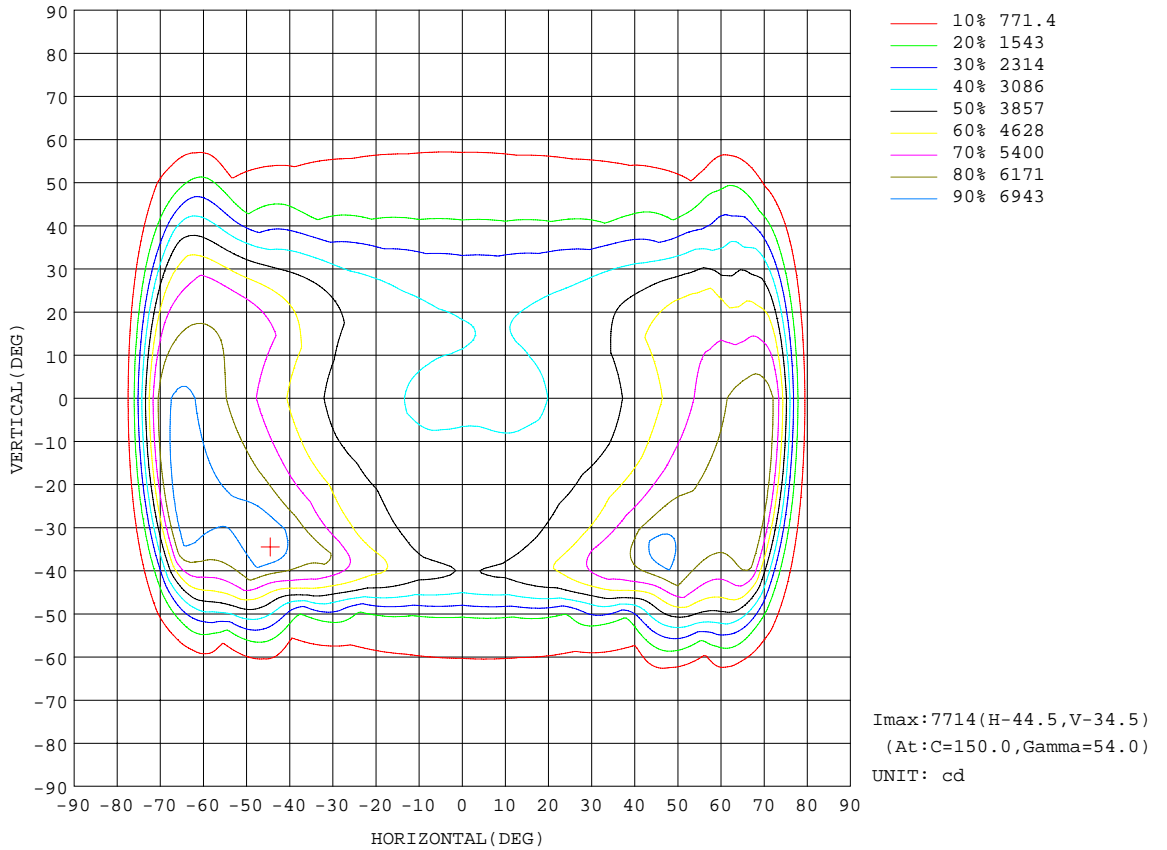
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2976	3068	3175	3087	3032	3064	3079	3029	0- 10	289.8	289.8	2.01,2.01
20	3079	3264	3455	3398	3239	3239	3066	3117	10- 20	892.4	1182	8.22,8.22
30	3411	3688	3572	3956	3704	3408	2579	3176	20- 30	1546	2728	19,19
40	4044	4444	3828	4886	4543	2978	1665	2725	30- 40	2242	4970	34.6,34.6
50	4989	5745	1731	5911	5635	1712	1054	1605	40- 50	2906	7876	54.8,54.8
60	6013	1555	785.5	1319	6728	912.6	650.4	907.3	50- 60	2853	10729	74.6,74.6
70	6551	465.2	495.7	422.1	6401	376.3	350.4	384.4	60- 70	2316	13044	90.7,90.7
80	523.7	214.1	245.5	211.6	311.1	200.3	205.4	177.6	70- 80	995.7	14040	97.6,97.6
90	75.64	76.09	36.33	68.34	50.40	60.11	37.47	70.97	80- 90	192.6	14233	99,99
100	50.64	31.84	3.161	27.71	54.99	31.07	5.112	29.51	90-100	44.26	14277	99.3,99.3
110	32.01	14.50	6.485	13.30	29.29	19.97	13.06	19.36	100-110	23.05	14300	99.4,99.4
120	28.64	14.35	15.28	14.36	26.73	20.50	20.35	20.67	110-120	18.07	14318	99.6,99.6
130	26.94	16.44	19.54	16.21	25.27	20.91	25.43	22.63	120-130	17.67	14336	99.7,99.7
140	24.87	18.27	25.07	17.68	22.87	19.85	30.54	24.15	130-140	16.38	14352	99.8,99.8
150	22.30	18.70	23.74	17.23	20.64	20.01	26.89	22.84	140-150	13.47	14366	99.9,99.9
160	20.20	19.12	21.07	17.52	19.08	19.91	23.56	21.97	150-160	9.623	14375	99.9,99.9
170	19.39	19.02	19.05	18.75	18.83	18.66	19.96	20.29	160-170	5.635	14381	100,100
180	19.06	18.54	18.84	19.47	19.02	18.50	18.89	19.49	170-180	1.839	14383	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:
 Test Date:2014-06-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:90.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:

ISOCANDELA DIAGRAM

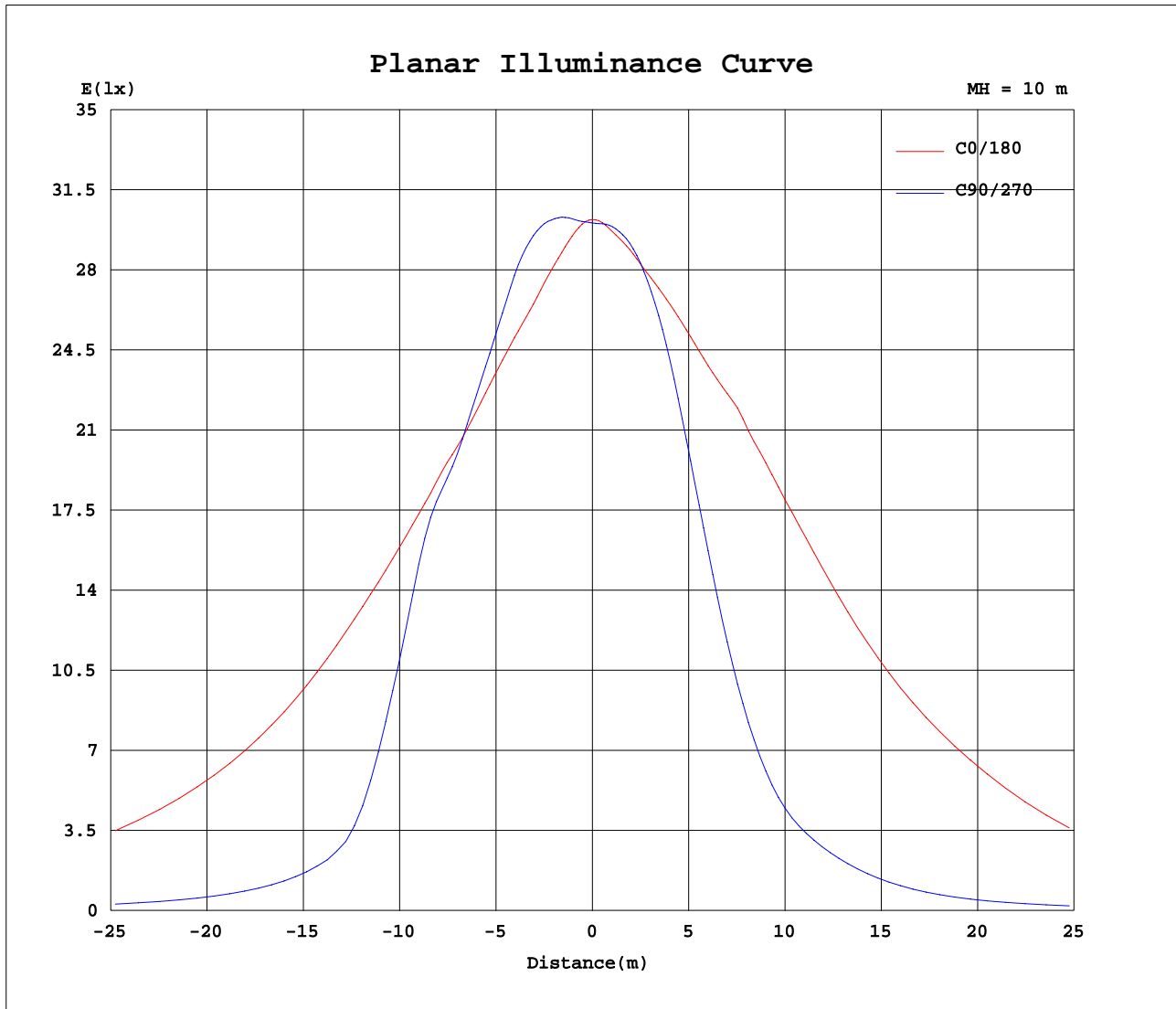
Test:U:220.9V I:0.7080A P:151.2W PF:0.9670 Lamp Flux:14382.8x1 lm		
NAME: LED STREET LIGHT	TYPE:IP66	WEIGHT:12
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIHTING	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators:
 Test Date: 2014-06-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity: 90.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks: LED:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators:
 Test Date: 2014-06-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity: 90.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks: LED: