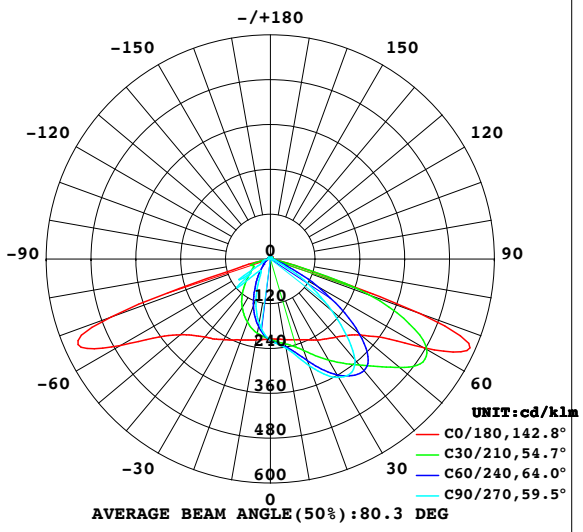
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0.00V I:0.00A P:0.0W PF:1.000 Lamp Flux:2037.47x1 lm		
NAME: SSL-32	TYPE:LED	
MFR.:		

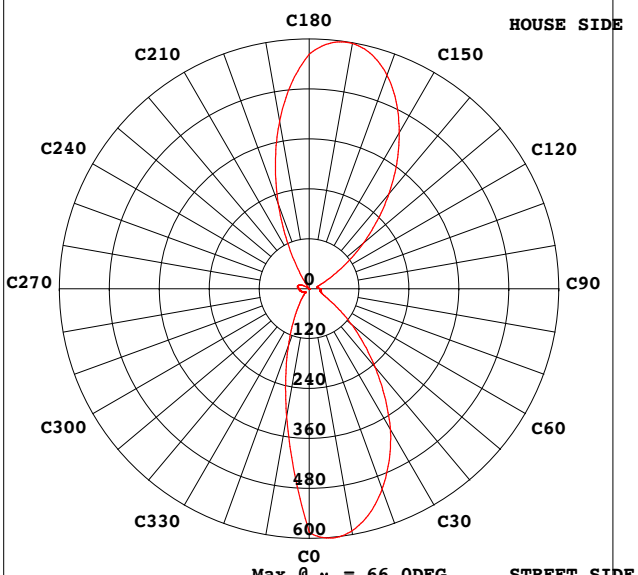
DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SSL-32	Imax(cd/klm)	585.0	η street_up(%)	1.9
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	52.6
RATED VOLTAGE(V)		TOTAL FLUX(lm/klm)	1000.0	η house_up(%)	1.4
NOMINAL FLUX(lm)	2037.47	MAXIMUM @(C,γ)	0,66.0	η house_down(%)	44.2
LAMPS INSIDE	1	η up(%)	3.2	76 FLASHAREA(m2)	
TEST VOLTAGE(V)		η down(%)	96.8	SLI	

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



AVERAGE BEAM ANGLE(50%):80.3 DEG

MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM



Max @ γ = 66.0DEG STREET SIDE

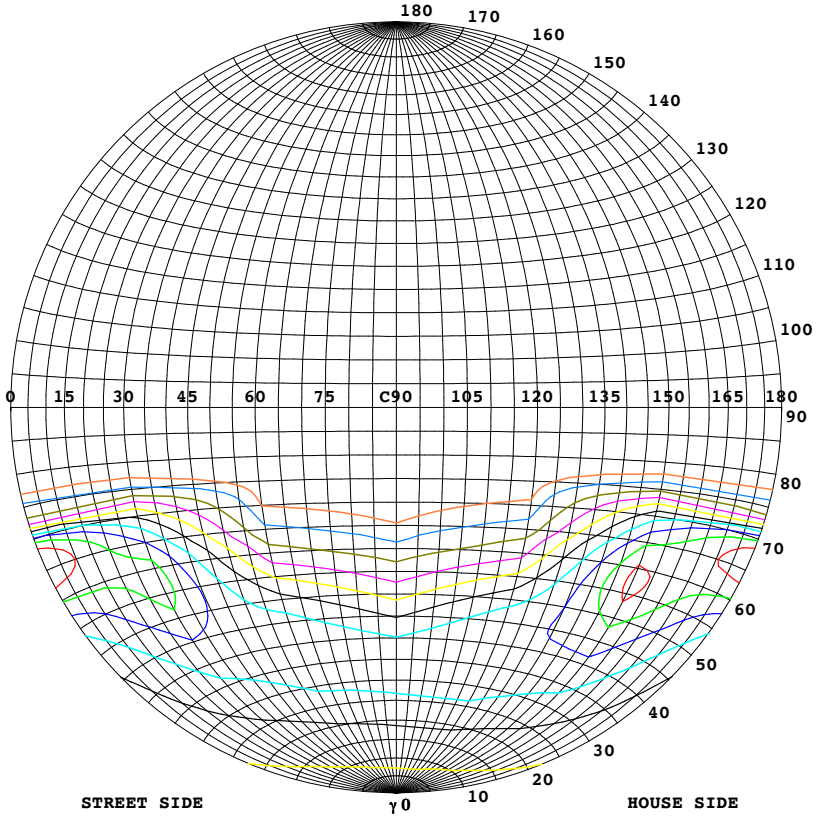
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG

γ Range: 0 - 180DEG
γ Interval: 1.0DEG

Humidity:65.0%
Test Distance:8.000m [K=0.7063]

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:0.00V I:0.00A P:0.0W PF:1.000 Lamp Flux:2037.47x1 lm		
NAME: SSL-32	TYPE:LED	
MFR.:		

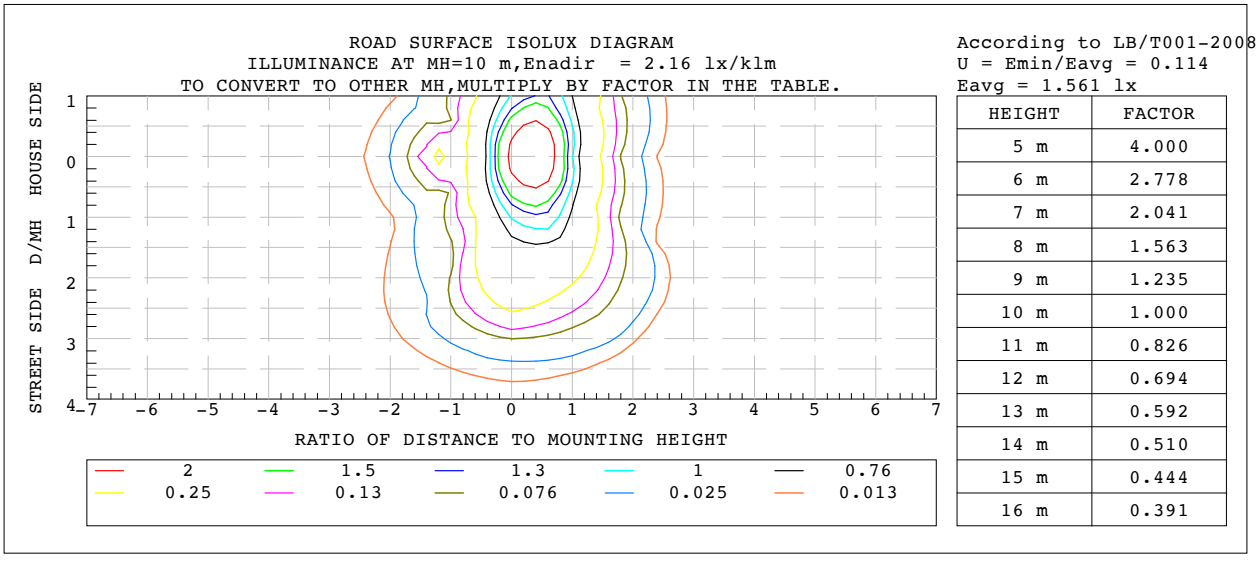


Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:15.71cd/klm
Max.At90:6.212cd/klm
Max.80-90:15.71cd/klm
NRB 5101:Limited[2.0%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
Imax=100%	585
90%	527
80%	468
70%	410
60%	351
50%	293
40%	234
30%	176
20%	117
10%	59
5%	29

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



According to LB/T001-2008:
U = Emin/Eavg = 0.114
Eavg = 1.561 lx

HEIGHT	FACTOR
5 m	4.000
6 m	2.778
7 m	2.041
8 m	1.563
9 m	1.235
10 m	1.000
11 m	0.826
12 m	0.694
13 m	0.592
14 m	0.510
15 m	0.444
16 m	0.391

ZONAL FLUX DIAGRAM

Test:U:0.00V I:0.00A P:0.0W PF:1.000 Lamp Flux:2037.47x1 lm		
NAME: SSL-32	TYPE:LED	
MFR.:		

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	219.1	234.8	242.5	237.2	220.0	192.7	174.6	192.1	0- 10	20.53	20.53	2.05,2.05
20	230.0	275.1	303.5	285.8	231.0	157.1	113.1	157.9	10- 20	61.22	81.75	8.17,8.17
30	250.4	335.4	365.9	352.3	249.6	115.3	58.64	119.5	20- 30	104.3	186.0	18.6,18.6
40	273.4	380.5	352.3	399.7	273.1	79.85	40.60	84.43	30- 40	147.2	333.2	33.3,33.3
50	317.6	380.9	213.5	408.6	316.2	52.84	117.5	57.83	40- 50	180.5	513.7	51.4,51.4
60	476.2	312.8	79.41	346.4	462.6	37.92	48.52	42.85	50- 60	198.3	712.0	71.2,71.2
70	426.3	155.2	17.42	179.6	452.7	33.03	22.89	38.42	60- 70	189.0	901.1	90.1,90.1
80	12.01	12.73	7.443	12.94	12.99	13.50	11.41	13.51	70- 80	58.48	959.5	96,96
90	4.737	4.208	2.777	4.068	6.212	4.426	4.791	4.864	80- 90	7.974	967.5	96.8,96.8
100	4.907	3.871	2.443	3.859	7.502	4.703	4.375	5.188	90-100	5.018	972.5	97.3,97.3
110	5.282	3.431	2.589	3.129	5.784	5.554	5.020	6.034	100-110	4.636	977.2	97.7,97.7
120	5.724	3.661	2.814	3.051	6.358	6.254	6.092	6.869	110-120	4.799	982.0	98.2,98.2
130	6.040	4.213	3.125	3.301	6.610	6.466	6.824	7.212	120-130	4.693	986.7	98.7,98.7
140	6.554	4.730	3.598	3.759	7.141	6.839	7.071	7.169	130-140	4.333	991.0	99.1,99.1
150	6.804	5.185	4.227	4.166	7.423	7.216	7.032	7.029	140-150	3.720	994.7	99.5,99.5
160	6.768	5.632	4.904	4.680	7.390	7.374	7.113	6.910	150-160	2.851	997.6	99.8,99.8
170	6.958	6.228	5.662	5.358	7.119	7.203	7.033	6.650	160-170	1.807	999.4	99.9,99.9
180	7.063	6.836	6.449	6.160	7.074	6.841	6.460	6.110	170-180	0.6215	1000.0	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

ISOCANDELA DIAGRAM

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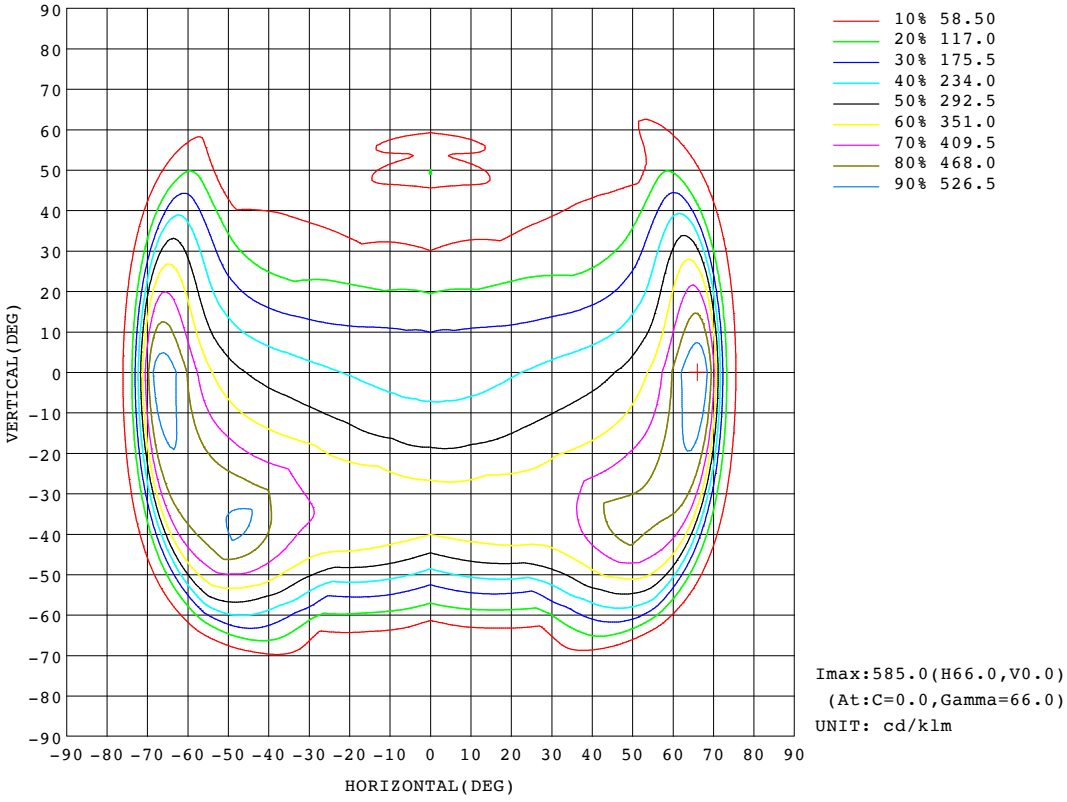
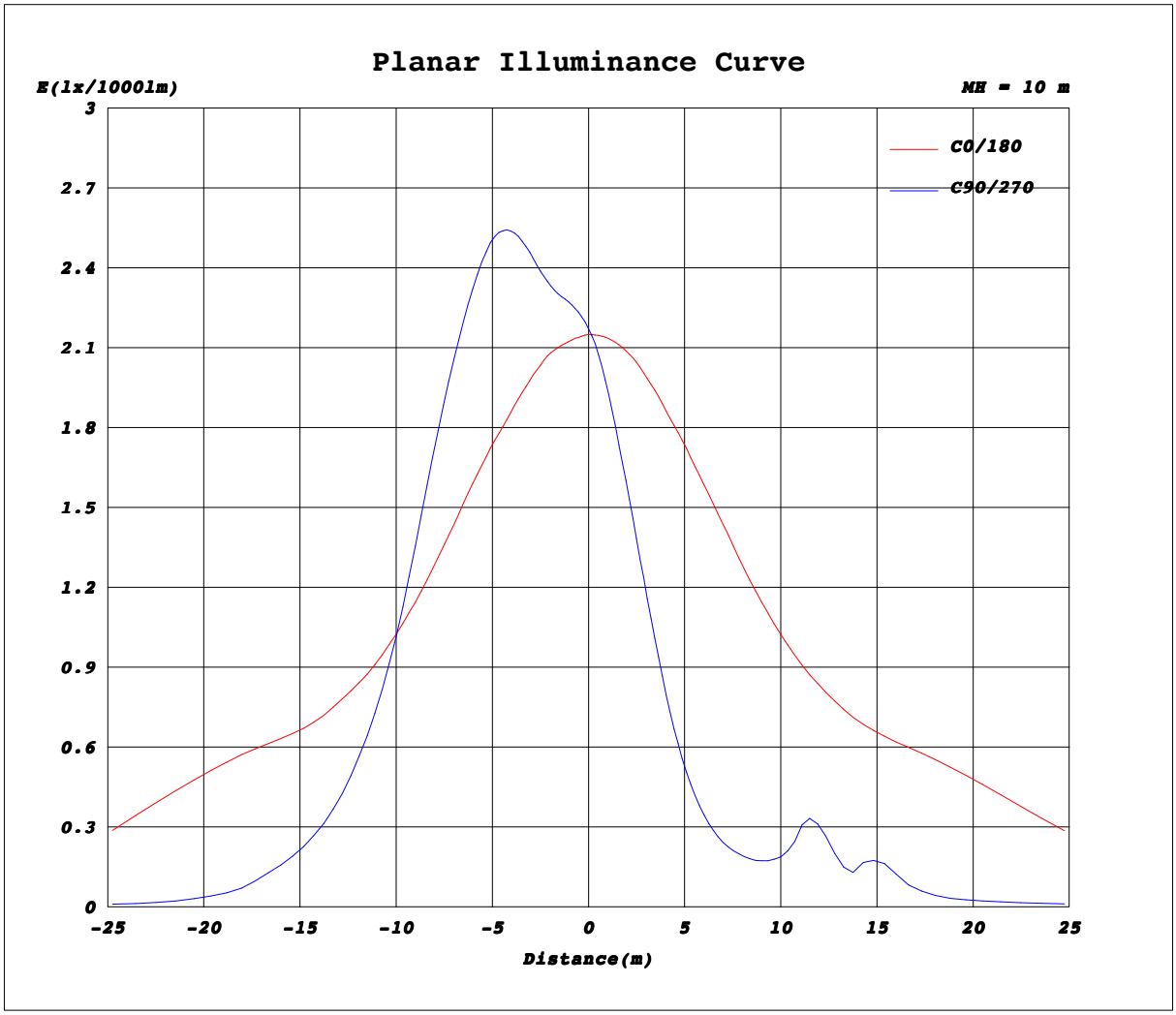
NAME: SSL-32	**TYPE:LED**	
MFR.:		



Planar Illuminance Curve



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0.00V I:0.00A P:0.0W PF:1.000 Lamp Flux:2037.47x1 lm		
NAME: SSL-32	**TYPE:LED**	
MFR.:		

Table--1 **UNIT: cd/klm**

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	215	216	218	217	218	215	215	216	218	217	218	215							
5	215	223	228	229	228	223	217	209	204	200	204	208							
10	219	231	239	243	241	233	220	202	184	175	184	200							
15	224	242	259	267	266	248	225	193	161	145	161	192							
20	230	261	290	304	302	270	231	180	134	113	135	181							
25	239	286	325	340	341	299	239	167	105	82.5	108	169							
30	250	313	358	366	375	330	250	151	79.4	58.6	83.3	156							
35	261	341	381	374	395	363	262	135	60.1	44.4	62.8	140							
40	273	371	390	352	403	397	273	115	44.4	40.6	47.0	122							
45	290	407	370	288	386	438	290	97.2	31.7	53.5	34.3	104							
50	318	452	310	214	328	489	316	80.9	24.7	118	26.3	89.4							
55	368	490	229	142	245	539	364	67.4	22.5	88.8	23.3	76.5							
60	476	483	143	79.4	160	533	463	57.2	18.6	48.5	19.7	66.0							
65	580	410	67.8	31.3	80.8	454	559	49.6	16.1	26.2	17.3	58.3							
70	426	282	28.5	17.4	35.1	324	453	51.7	14.4	22.9	15.4	61.5							
75	70.8	67.9	16.4	11.5	17.5	98.7	76.9	46.2	13.8	20.0	14.5	55.7							
80	12.0	15.2	10.2	7.44	10.2	15.7	13.0	14.3	12.7	11.4	12.5	14.5							
85	7.29	7.48	4.89	3.98	5.44	7.36	9.69	7.01	7.52	6.74	8.31	7.14							
90	4.74	5.08	3.34	2.78	3.57	4.57	6.21	4.73	4.13	4.79	4.76	4.97							
95	4.66	6.13	3.68	2.70	3.99	5.60	6.22	5.02	4.01	4.40	4.61	5.31							
100	4.91	4.60	3.14	2.44	3.35	4.37	7.50	5.26	4.15	4.37	4.75	5.62							
105	4.77	4.04	2.88	2.39	2.88	3.57	5.43	5.52	4.54	4.46	5.19	5.78							
110	5.28	4.00	2.86	2.59	2.76	3.50	5.78	5.99	5.12	5.02	5.80	6.27							
115	5.58	4.11	2.91	2.69	2.71	3.41	6.20	6.33	5.64	5.58	6.38	6.66							
120	5.72	4.31	3.01	2.81	2.73	3.38	6.36	6.45	6.06	6.09	6.85	6.89							
125	5.88	4.61	3.25	2.95	2.86	3.41	6.46	6.41	6.32	6.48	7.22	6.96							
130	6.04	4.90	3.53	3.12	3.09	3.51	6.61	6.42	6.52	6.82	7.48	6.94							
135	6.29	5.16	3.81	3.34	3.32	3.73	6.84	6.62	6.63	7.03	7.59	6.87							
140	6.55	5.36	4.10	3.60	3.55	3.97	7.14	6.95	6.72	7.07	7.55	6.79							
145	6.73	5.54	4.39	3.89	3.77	4.15	7.35	7.24	6.86	7.07	7.43	6.76							
150	6.80	5.70	4.67	4.23	3.97	4.36	7.42	7.44	6.99	7.03	7.28	6.77							
155	6.77	5.84	4.95	4.56	4.20	4.60	7.42	7.54	7.12	7.05	7.16	6.78							
160	6.77	6.02	5.25	4.90	4.48	4.88	7.39	7.54	7.20	7.11	7.06	6.76							
165	6.88	6.24	5.59	5.27	4.86	5.18	7.27	7.44	7.20	7.13	6.99	6.65							
170	6.96	6.49	5.97	5.66	5.26	5.46	7.12	7.29	7.11	7.03	6.82	6.48							
175	6.99	6.74	6.35	6.01	5.65	5.78	7.07	7.15	6.94	6.79	6.53	6.29							
180	7.06	6.96	6.71	6.45	6.19	6.13	7.07	6.97	6.71	6.46	6.16	6.06							