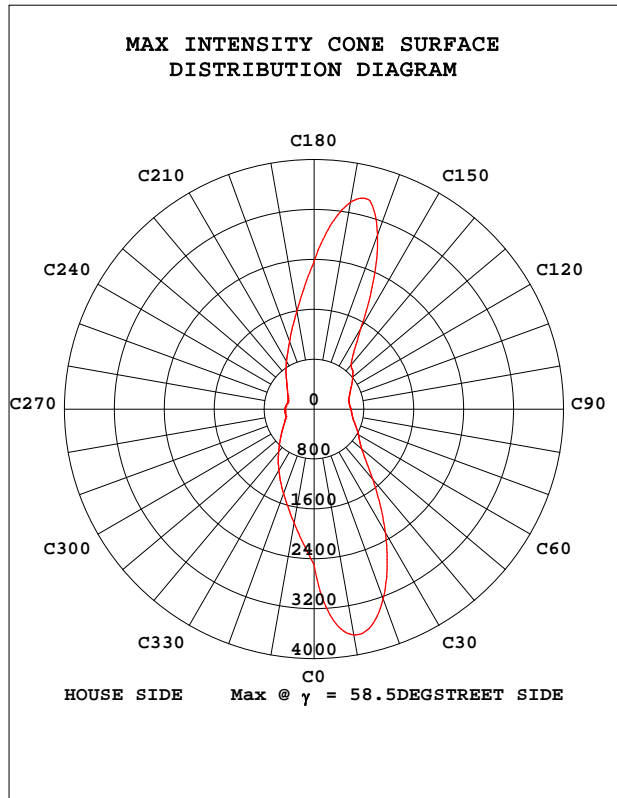
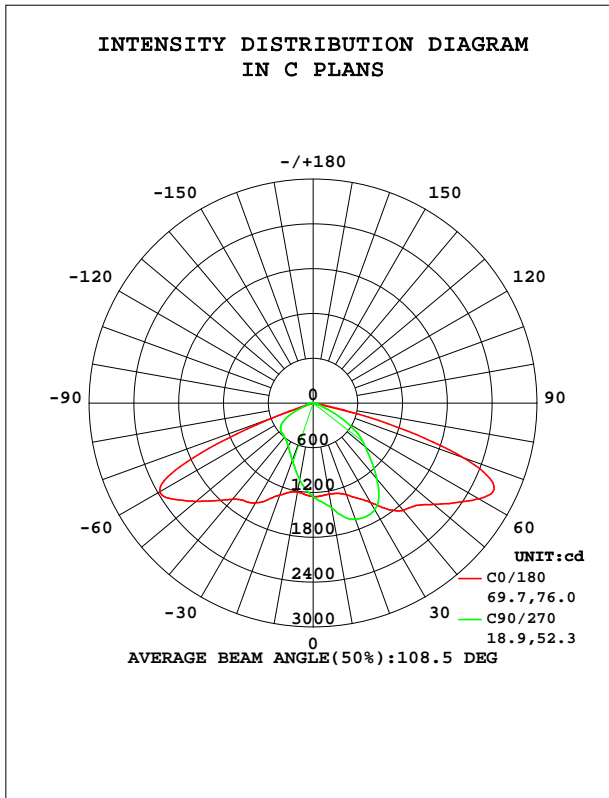


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	URchno Iogy Co.Lty	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 173.49 lm/W			
MODEL	3030 5000K	I _{max} (cd)	3585	η street_up(%)	0.3
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	62.3
RATED VOLTAGE(V)	33	TOTAL FLUX(lm)	5210	η house_up(%)	0.3
NOMINAL FLUX(lm)	5209.98	MAXIMUM @(C,γ)	15,58.5	η house_down(%)	37.1
LAMPS INSIDE	1	η up(%)	0.6	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	33	η down(%)	99.4	SLI	17.053



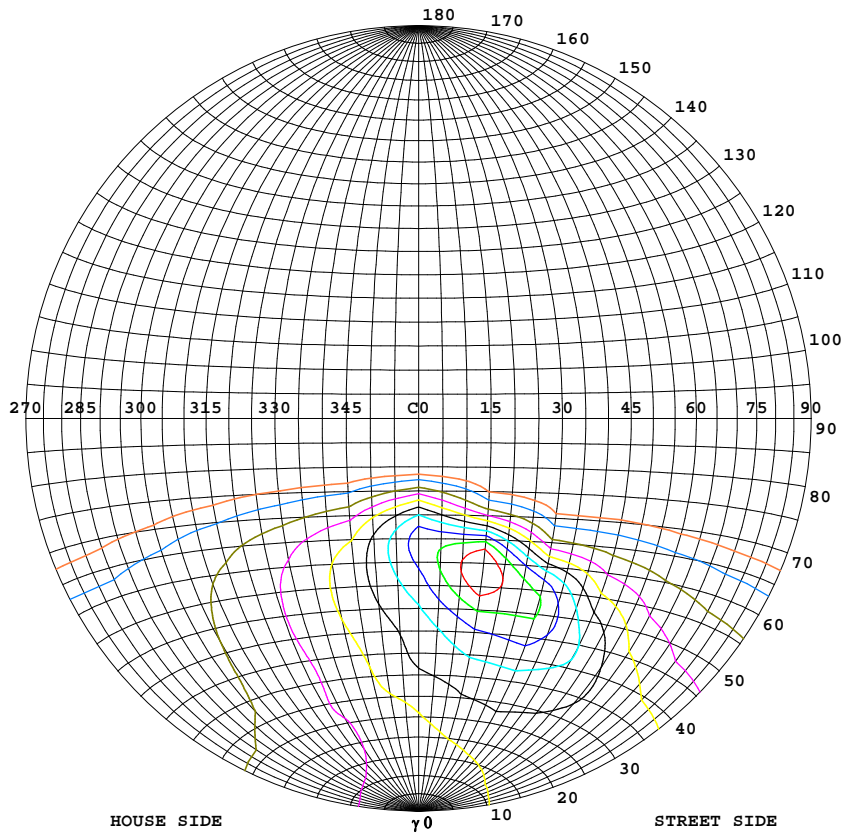
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronicS	URchno Iogy Co.Lty	Shielding Angle:



Classification:

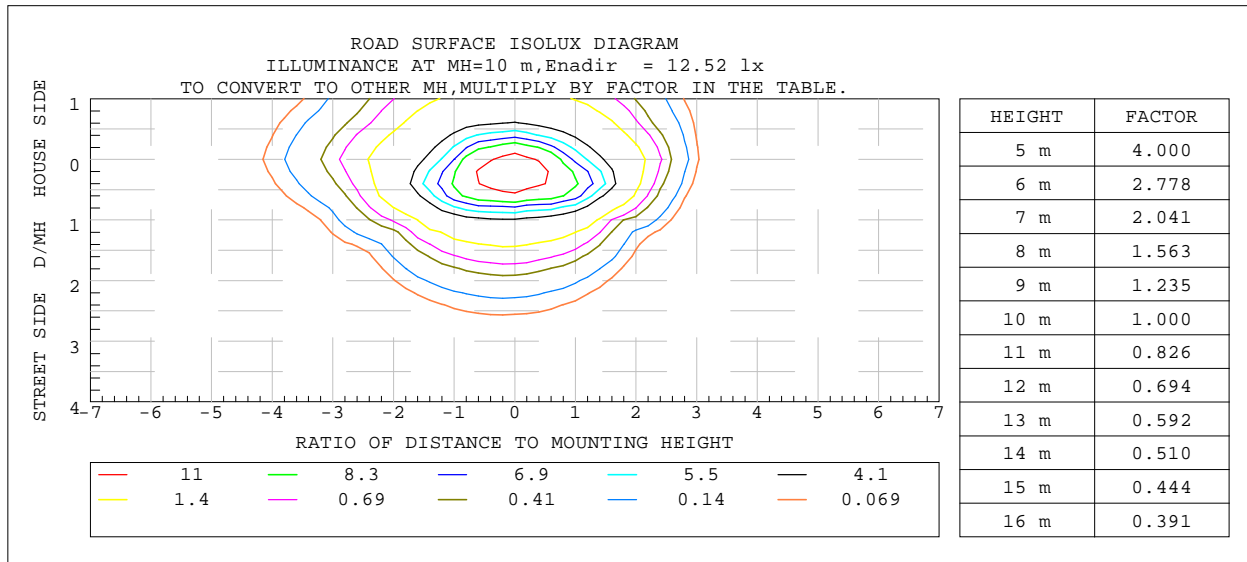
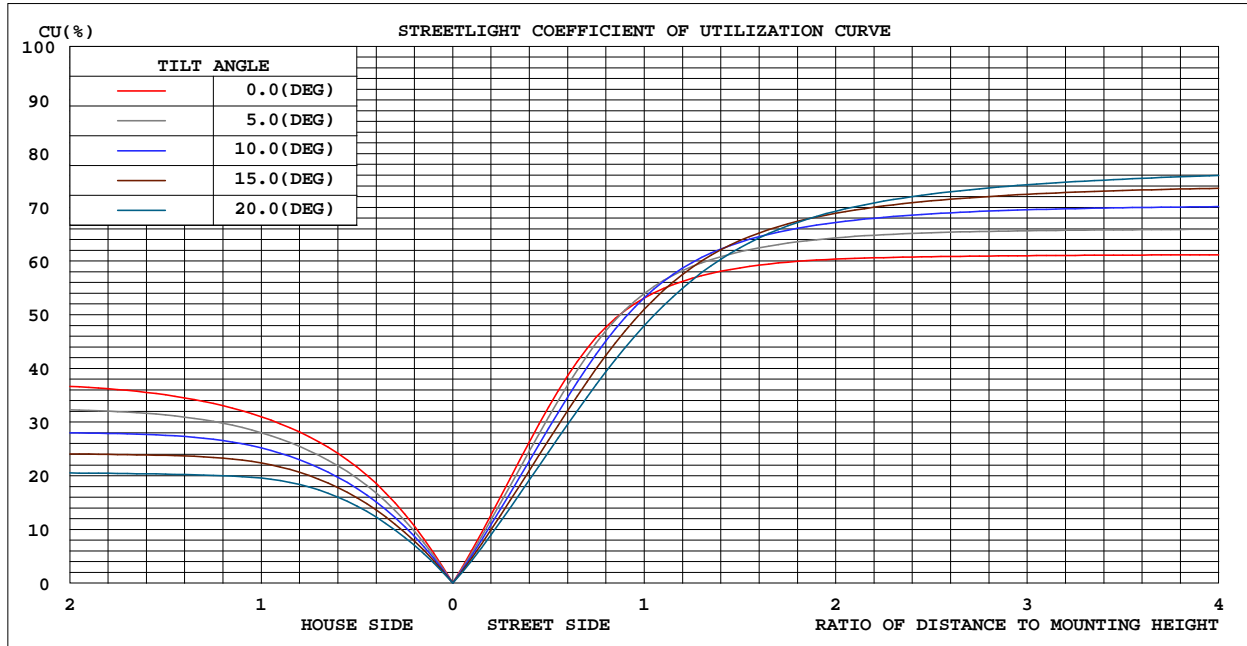
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:14.20cd/klm
 Max.At90:4.248cd/klm
 Max.80-90:14.20cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3585
90%	3227
80%	2868
70%	2510
60%	2151
50%	1793
40%	1434
30%	1076
20%	717
10%	359
5%	179

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-04-19

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	SW:chno Iogy Co.Lty	Shielding Angle:

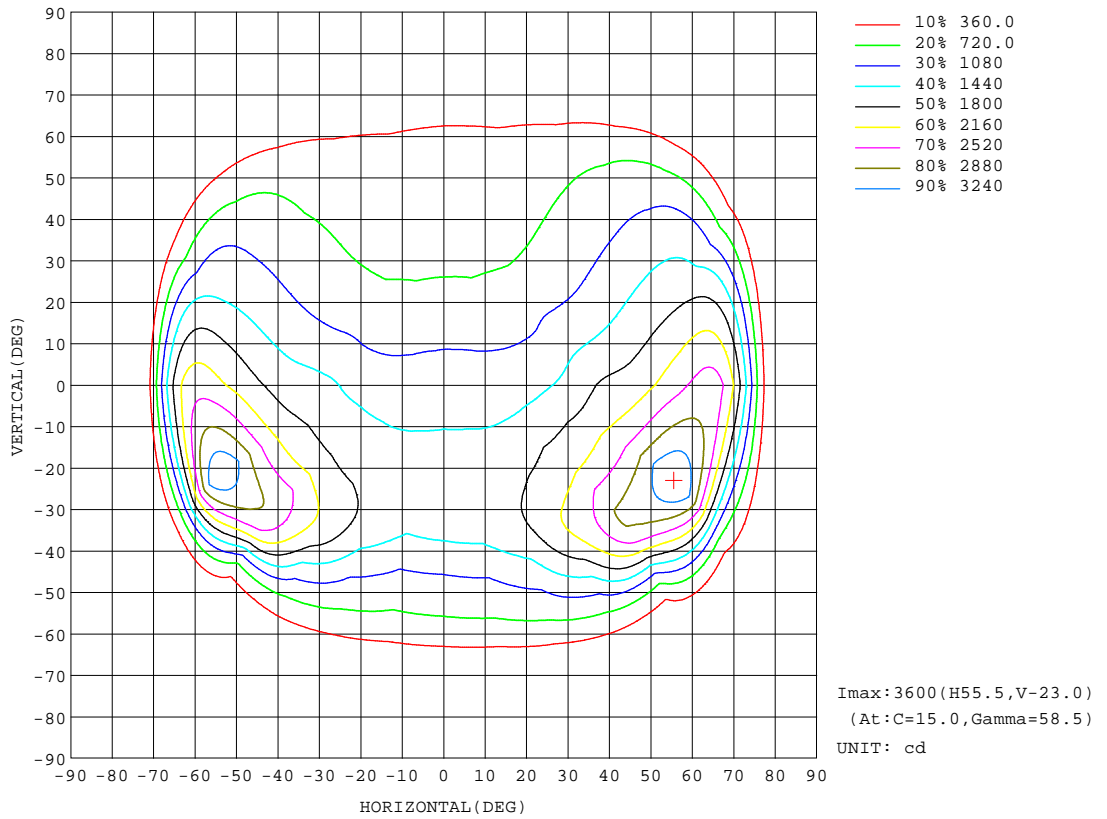
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum
5	1249	1307	1332	1299	1232	1176	1159	1188	0- 5	29.82	29.82	0.57
10	1240	1356	1424	1341	1211	1087	1045	1108	5- 10	88.16	118.0	2.26
15	1254	1455	1575	1446	1239	998.0	923.5	1027	10- 15	145.9	263.9	5.06
20	1307	1604	1655	1552	1312	921.4	817.8	957.1	15- 20	206.4	470.3	9.03
25	1408	1710	1678	1630	1428	869.9	733.9	914.0	20- 25	268.2	738.5	14.2
30	1534	1806	1653	1744	1544	815.3	669.8	891.4	25- 30	331.5	1070	20.5
35	1737	1957	1536	1918	1602	782.7	622.7	860.4	30- 35	396.1	1466	28.1
40	1875	2117	1333	2058	1683	766.8	599.6	852.1	35- 40	460.0	1926	37
45	1944	2150	1109	2022	1849	754.3	585.6	851.1	40- 45	521.4	2447	47
50	2112	1941	913.2	1694	2049	729.0	567.5	841.8	45- 50	576.4	3024	58
55	2328	1516	749.0	1203	2251	683.7	529.0	816.9	50- 55	612.6	3636	69.8
60	2563	1045	517.8	749.0	2373	586.8	435.1	764.2	55- 60	594.0	4230	81.2
65	2675	577.9	265.1	319.0	1872	389.6	273.4	616.8	60- 65	477.4	4708	90.4
70	2145	201.4	111.5	93.00	536.8	157.4	84.19	344.8	65- 70	281.3	4989	95.8
75	909.8	73.86	59.74	57.76	50.33	77.45	79.61	130.8	70- 75	115.8	5105	98
80	72.29	58.60	47.29	43.40	21.79	39.48	72.92	73.97	75- 80	42.55	5147	98.8
85	28.37	47.67	26.32	26.45	9.994	13.18	38.63	32.97	80- 85	20.82	5168	99.2
90	15.74	22.13	0.5954	7.960	5.572	3.398	3.986	12.51	85- 90	9.766	5178	99.4
95	8.045	6.539	0.7659	1.597	2.808	0.7866	0.4853	2.446	90- 95	3.122	5181	99.4
100	4.098	1.525	1.120	2.223	4.044	1.479	0.7747	0.9247	95-100	1.196	5182	99.5
105	5.025	2.083	1.499	2.886	5.455	2.595	1.211	1.685	100-105	1.295	5184	99.5
110	6.286	2.662	1.894	3.508	6.536	3.915	1.757	2.822	105-110	1.716	5185	99.5
115	7.178	3.201	2.298	4.053	7.199	5.116	2.431	4.052	110-115	2.077	5187	99.6
120	7.731	3.661	2.706	4.527	7.634	6.004	3.233	5.022	115-120	2.325	5190	99.6
125	7.955	4.080	3.084	4.895	7.931	6.737	4.113	5.734	120-125	2.467	5192	99.7
130	8.031	4.480	3.443	5.100	8.122	7.304	4.993	6.425	125-130	2.516	5195	99.7
135	8.130	4.802	3.789	5.219	8.382	7.504	5.792	7.084	130-135	2.486	5197	99.8
140	8.165	5.075	4.120	5.313	8.712	7.520	6.448	7.633	135-140	2.378	5200	99.8
145	7.964	5.348	4.479	5.444	8.675	7.581	6.986	8.128	140-145	2.215	5202	99.8
150	7.602	5.597	4.853	5.698	8.374	7.972	7.380	8.354	145-150	2.018	5204	99.9
155	7.333	5.894	5.317	6.009	8.040	8.331	7.613	8.415	150-155	1.781	5206	99.9
160	7.191	6.168	5.803	6.275	7.845	8.443	7.780	8.348	155-160	1.506	5207	99.9
165	7.178	6.457	6.308	6.549	7.731	8.431	8.114	8.264	160-165	1.207	5208	100
170	7.178	6.783	6.862	6.868	7.580	8.287	8.350	8.174	165-170	0.8835	5209	100
175	7.211	7.097	7.400	7.143	7.471	7.937	8.227	7.953	170-175	0.5392	5210	100
180	7.313	7.423	7.784	7.462	7.394	7.545	7.918	7.580	175-180	0.1806	5210	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

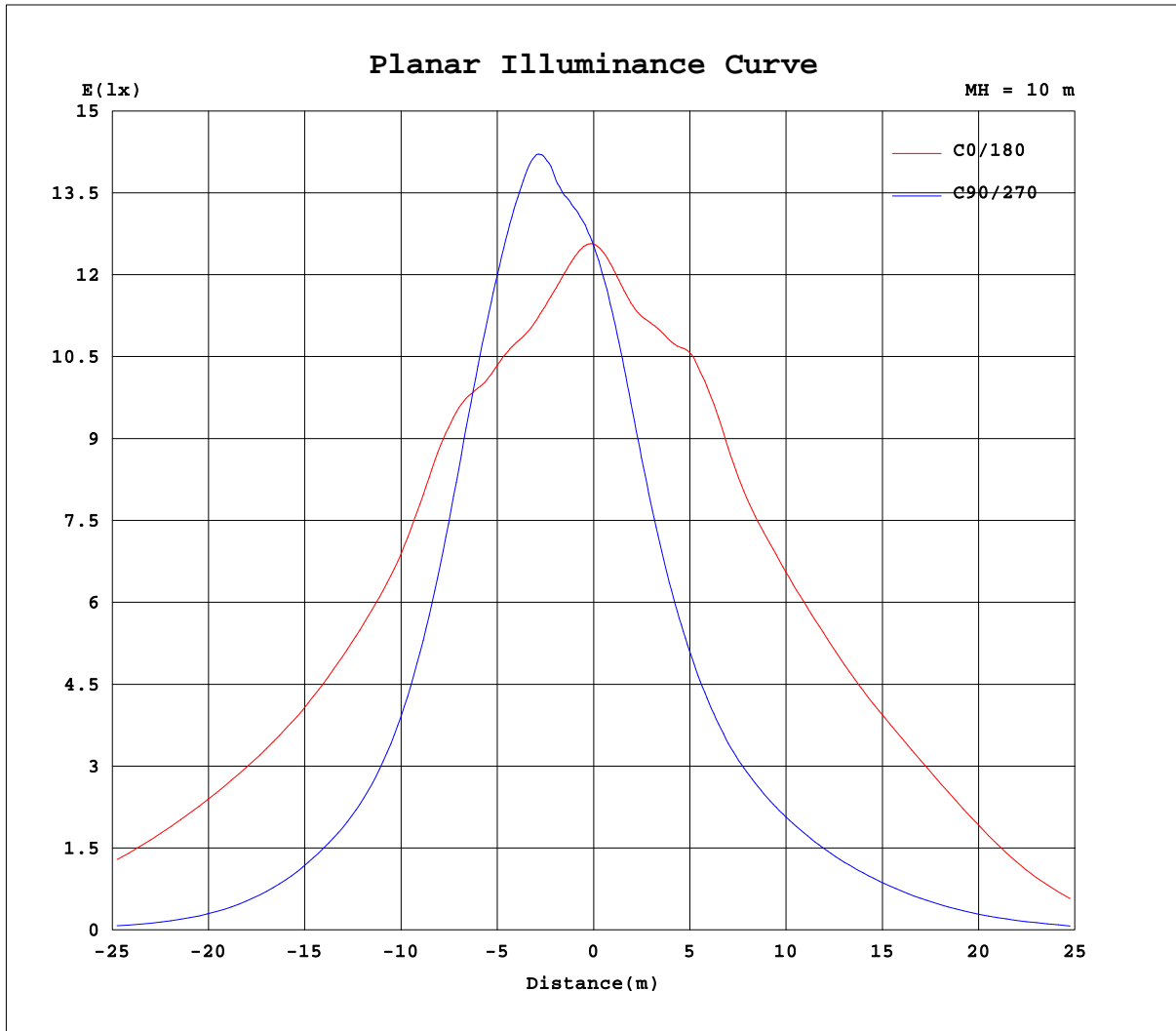
Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	URchno Iogy Co.Lty	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



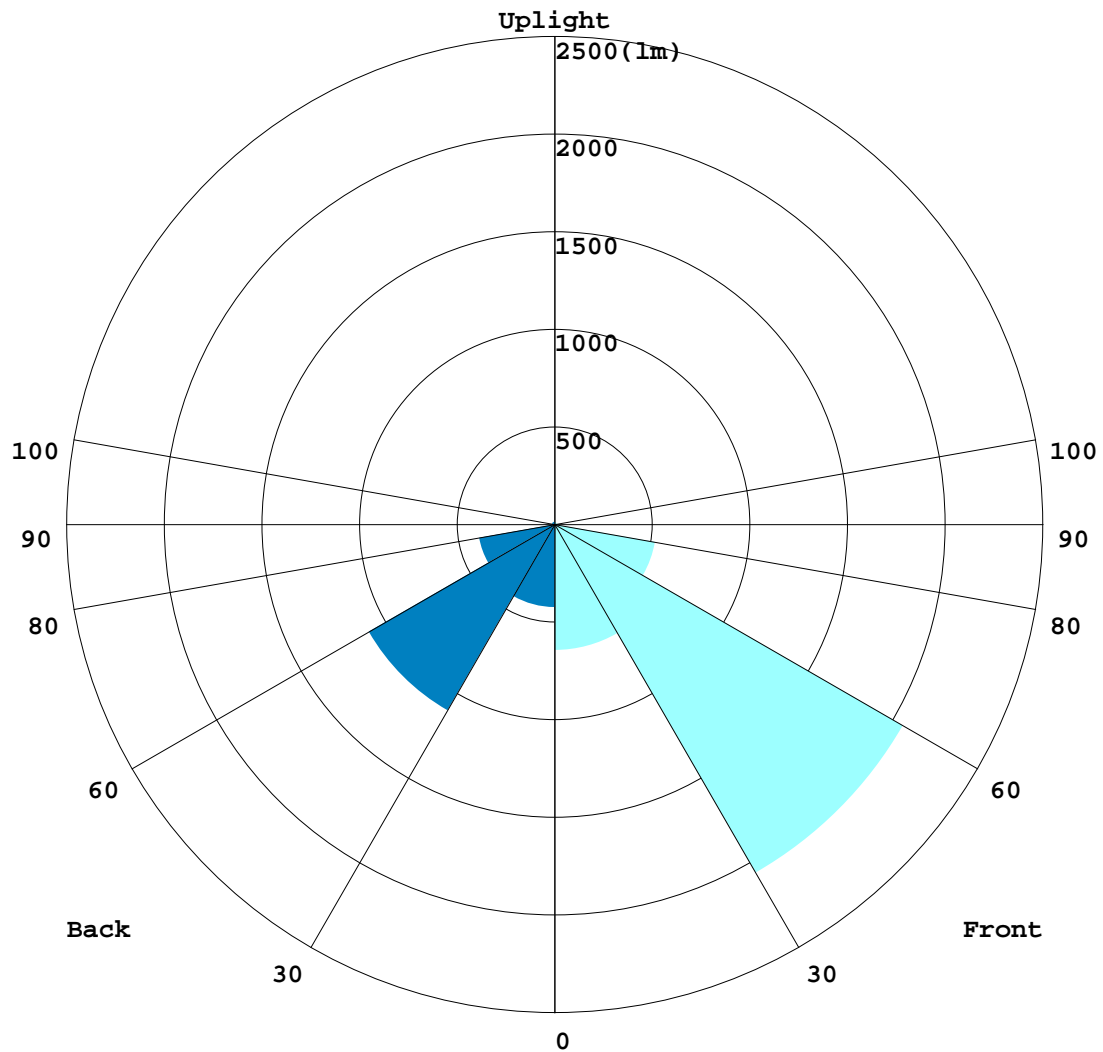
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	URchno Iogy Co.Lty	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	SW:chno Iogy Co.Lty	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	644.63	12.4
FM - Front-Medium(30-60)	2061.3	39.6
FH - Front-High(60-80)	523.23	10.0
FVH - Front-Very High(80-90)	15.451	0.3
Total Forward Light	3259.7	62.6

BL - Back-Low(0-30)	425.37	8.2
BM - Back-Medium(30-60)	1099.2	21.1
BH - Back-High(60-80)	393.77	7.6
BVH - Back-Very High(80-90)	15.135	0.3
Total Back Light	1950.3	37.4

UL - Uplight-Low(90-100)	4.3185	0.1
UH - Uplight-High(100-180)	27.589	0.5
Total Up Light	31.907	0.6

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1933.5	16.76	1950.3
Street Side	3244.6	15.147	3259.7

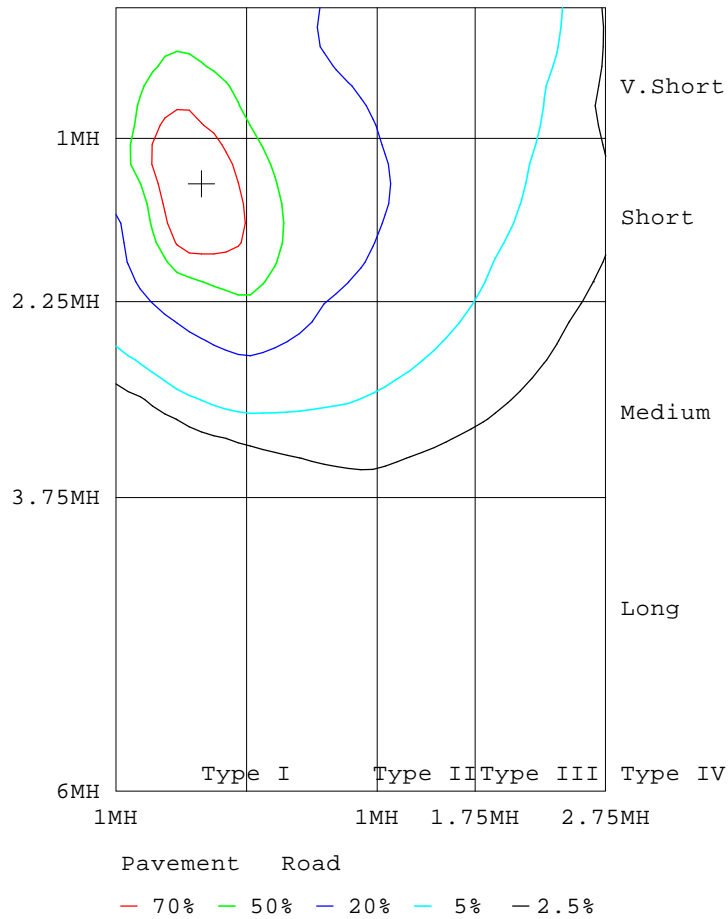
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	URchno Iogy Co.Lty	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	SW:chno Iogy Co.Lty	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253
5	1249	1268	1289	1307	1321	1330	1332	1326	1314	1299	1278	1257	1232	1208	1193	1176	1165	1159	1159
10	1240	1281	1319	1356	1390	1414	1424	1408	1378	1341	1299	1256	1211	1163	1124	1087	1060	1045	1045
15	1254	1320	1385	1455	1520	1564	1575	1543	1495	1446	1388	1313	1239	1145	1067	998	952	927	923
20	1307	1432	1538	1604	1632	1659	1655	1606	1561	1552	1521	1434	1312	1163	1034	921	850	821	818
25	1408	1589	1707	1710	1674	1683	1678	1615	1594	1630	1625	1561	1428	1226	1036	870	769	734	734
30	1534	1760	1850	1806	1708	1669	1653	1593	1649	1744	1748	1689	1544	1246	999	815	705	669	670
35	1737	1918	2027	1957	1735	1590	1536	1499	1675	1918	1982	1843	1602	1262	986	783	664	623	623
40	1875	2167	2301	2117	1669	1408	1333	1316	1583	2058	2286	2054	1683	1305	991	767	639	598	600
45	1944	2448	2630	2150	1488	1186	1109	1097	1372	2022	2650	2442	1849	1367	1003	754	620	579	586
50	2112	2888	2896	1941	1243	982	913	891	1103	1694	2849	3012	2049	1423	996	729	597	552	567
55	2328	3409	2778	1516	1000	805	749	725	855	1203	2403	3535	2251	1420	954	684	551	504	529
60	2563	3552	1951	1045	737	574	518	502	594	749	1098	3216	2373	1298	844	587	454	402	435
65	2675	2731	828	578	403	301	265	253	280	319	303	1497	1872	887	578	390	279	238	273
70	2145	1080	233	201	150	128	112	113	106	93.0	80.6	258	537	328	238	157	123	87.6	84.2
75	910	172	76.6	73.9	88.0	65.3	59.7	61.2	79.8	57.8	44.6	40.9	50.3	78.8	81.2	77.4	74.1	60.0	79.6
80	72.3	44.3	45.5	58.6	70.1	44.6	47.3	40.5	59.0	43.4	28.2	25.6	21.8	38.8	30.4	39.5	48.6	48.5	72.9
85	28.4	28.0	29.2	47.7	43.7	27.1	26.3	22.1	23.4	26.4	17.8	17.9	9.99	14.5	13.5	13.2	18.4	29.6	38.6
90	15.7	17.2	20.8	22.1	13.9	10.6	0.60	5.67	6.20	7.96	6.17	7.95	5.57	5.60	4.66	3.40	2.97	2.98	3.99
95	8.05	10.2	7.28	6.54	2.52	2.15	0.77	1.39	1.16	1.60	2.34	3.50	2.81	2.45	1.47	0.79	0.65	0.51	0.49
100	4.10	2.99	1.99	1.53	1.21	1.12	1.12	1.28	1.59	2.22	3.29	4.78	4.04	3.85	2.76	1.48	1.06	0.86	0.77
105	5.03	4.06	2.77	2.08	1.65	1.51	1.50	1.69	2.10	2.89	4.24	6.08	5.45	5.40	4.33	2.60	1.69	1.34	1.21
110	6.29	5.13	3.54	2.66	2.11	1.92	1.89	2.12	2.60	3.51	5.06	7.15	6.54	6.67	5.80	3.91	2.52	1.96	1.76
115	7.18	6.01	4.21	3.20	2.58	2.34	2.30	2.55	3.08	4.05	5.67	7.85	7.20	7.48	6.74	5.12	3.46	2.72	2.43
120	7.73	6.54	4.70	3.66	3.02	2.76	2.71	3.01	3.52	4.53	6.14	8.22	7.63	7.87	7.43	6.00	4.45	3.62	3.23
125	7.95	6.80	5.10	4.08	3.42	3.16	3.08	3.43	3.86	4.90	6.44	8.34	7.93	8.00	7.96	6.74	5.37	4.58	4.11
130	8.03	7.08	5.46	4.48	3.81	3.54	3.44	3.79	4.16	5.10	6.52	8.20	8.12	7.95	8.05	7.30	6.20	5.48	4.99
135	8.13	7.22	5.71	4.80	4.18	3.88	3.79	4.09	4.48	5.22	6.45	7.81	8.38	7.90	7.77	7.50	6.91	6.25	5.79
140	8.17	7.14	5.87	5.08	4.51	4.18	4.12	4.38	4.71	5.31	6.23	7.29	8.71	8.14	7.57	7.52	7.37	6.85	6.45
145	7.96	6.93	5.96	5.35	4.78	4.50	4.48	4.69	5.00	5.44	6.14	6.89	8.67	8.63	7.89	7.58	7.66	7.27	6.99
150	7.60	6.83	6.13	5.60	5.12	4.91	4.85	5.07	5.32	5.70	6.14	6.72	8.37	8.81	8.45	7.97	7.78	7.52	7.38
155	7.33	6.82	6.27	5.89	5.48	5.33	5.32	5.46	5.66	6.01	6.27	6.73	8.04	8.67	8.70	8.33	7.98	7.72	7.61
160	7.19	6.87	6.46	6.17	5.86	5.79	5.80	5.91	6.03	6.28	6.50	6.80	7.85	8.40	8.64	8.44	8.16	7.93	7.78
165	7.18	6.98	6.68	6.46	6.26	6.29	6.31	6.40	6.43	6.55	6.64	6.89	7.73	8.14	8.37	8.43	8.35	8.20	8.11
170	7.18	7.10	6.90	6.78	6.68	6.78	6.86	6.91	6.90	6.87	6.82	6.97	7.58	7.87	8.05	8.29	8.33	8.32	8.35
175	7.21	7.26	7.12	7.10	7.10	7.26	7.40	7.38	7.26	7.14	7.07	7.12	7.47	7.60	7.72	7.94	8.05	8.25	8.23
180	7.31	7.36	7.34	7.42	7.51	7.70	7.78	7.73	7.60	7.46	7.38	7.36	7.39	7.40	7.46	7.54	7.65	7.85	7.92

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:33.00V I:0.9100A P:30.03W PF:0.9520 Lamp Flux:5209.98x1 lm		
NAME:	TYPE:	WEIGHT:6
SPEC.:SLT-32C	DIM.:	SERIAL No.:
MFR.: Shen Zhen Xing Sheng Yang Opto-elec tronics	URchno Iogy Co.Lty	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1253	1253	1253	1253	1253														
5	1164	1174	1188	1205	1223														
10	1055	1077	1108	1149	1191														
15	934	971	1027	1101	1179														
20	827	872	957	1071	1194														
25	743	796	914	1068	1242														
30	681	743	891	1120	1354														
35	633	701	860	1110	1419														
40	603	675	852	1122	1464														
45	584	659	851	1154	1527														
50	564	642	842	1173	1597														
55	525	613	817	1166	1637														
60	440	549	764	1111	1605														
65	290	400	617	949	1423														
70	133	204	345	588	955														
75	66.0	98.0	131	201	321														
80	52.9	67.4	74.0	69.9	65.1														
85	36.5	39.8	33.0	32.6	40.5														
90	7.28	12.0	12.5	14.8	16.5														
95	0.47	0.53	2.45	5.31	7.02														
100	0.74	0.80	0.92	1.57	2.46														
105	1.17	1.30	1.69	2.85	3.73														
110	1.73	1.98	2.82	4.29	5.08														
115	2.44	2.84	4.05	5.50	6.12														
120	3.28	3.78	5.02	6.26	6.84														
125	4.19	4.69	5.73	6.86	7.17														
130	5.11	5.53	6.43	7.39	7.49														
135	5.92	6.36	7.08	7.83	7.81														
140	6.60	7.08	7.63	8.11	7.83														
145	7.15	7.64	8.13	8.30	7.93														
150	7.51	7.96	8.35	8.54	8.27														
155	7.68	8.06	8.42	8.56	8.45														
160	7.89	8.08	8.35	8.42	8.31														
165	8.05	8.17	8.26	8.27	8.15														
170	8.25	8.19	8.17	8.02	7.91														
175	8.18	8.06	7.95	7.77	7.69														
180	7.84	7.71	7.58	7.50	7.43														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-19

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: