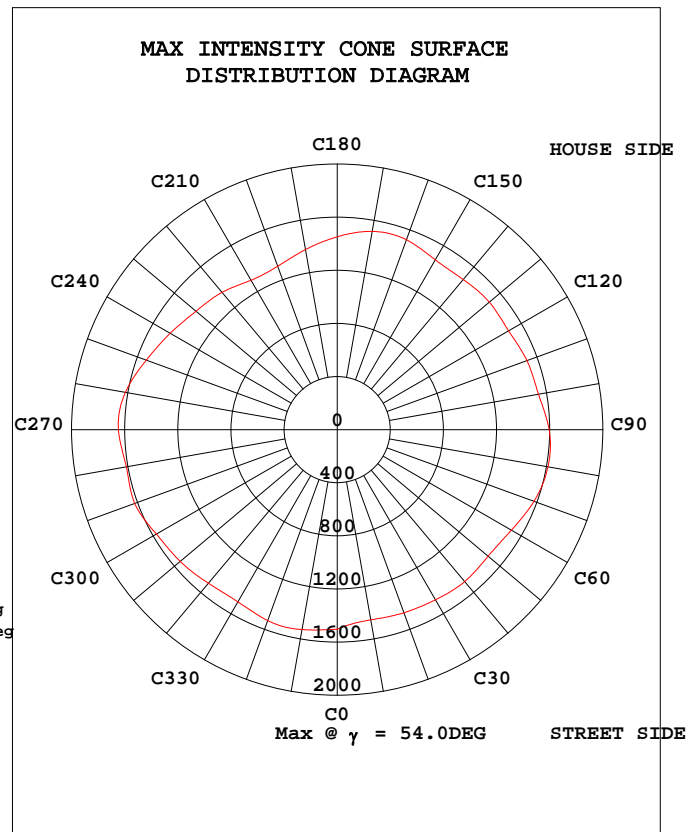
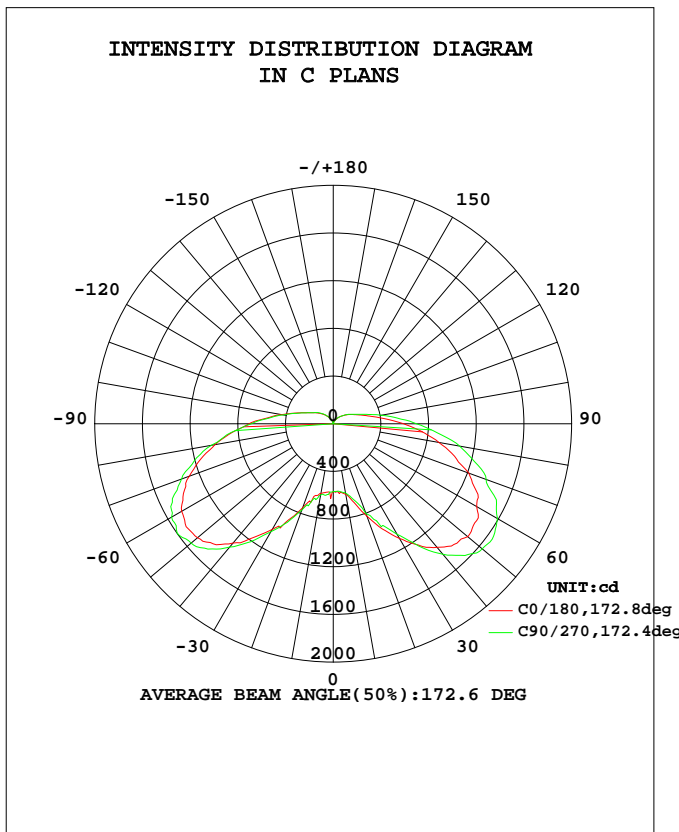


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.6812A P:81.08W PF:0.9918 Lamp Flux:8636.76x1 lm		
NAME: Outdoor Pole/Arm-mounted Decorative Luminaire	TYPE:CL03C-80-40k-lv-01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Supertek	SUR.:0.19*0.19*3.14	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.52 lm/W			
MODEL	CL03C-80-40k-lv-01	I _{max} (cd)	1648	η street_up(%)	8.8
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	45.5
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	8637	η house_up(%)	6.9
NOMINAL FLUX(lm)	8636.76	MAXIMUM @(C,γ)	270,54.0	η house_down(%)	38.8
LAMPS INSIDE	1	η up(%)	15.7	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	η down(%)	84.3	SLI	



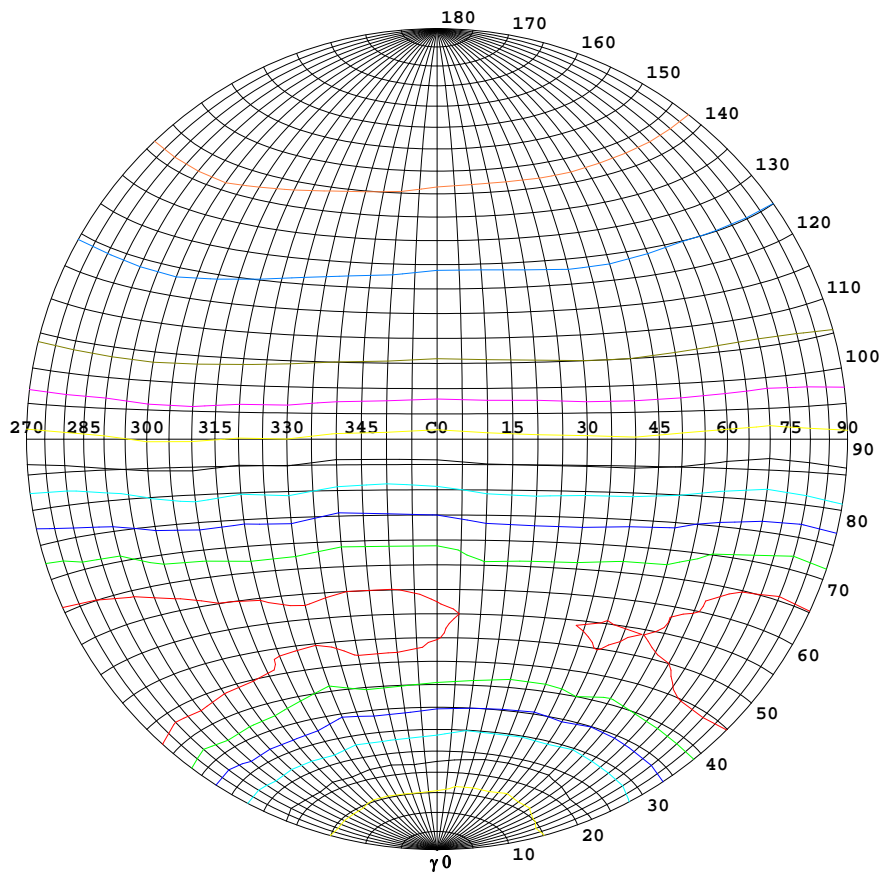
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:David
Test Date:2017-09-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
Humidity:67.1%
Test Distance:26.000m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.0V I:0.6812A P:81.08W PF:0.9918 Lamp Flux:8636.76x1 lm		
NAME: Outdoor Pole/Arm-mounted Decorative Luminaire	TYPE:CL03C-80-40k-lv-01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Supertek	SUR.:0.19*0.19*3.14	PROTECTION ANGLE:



Classification:

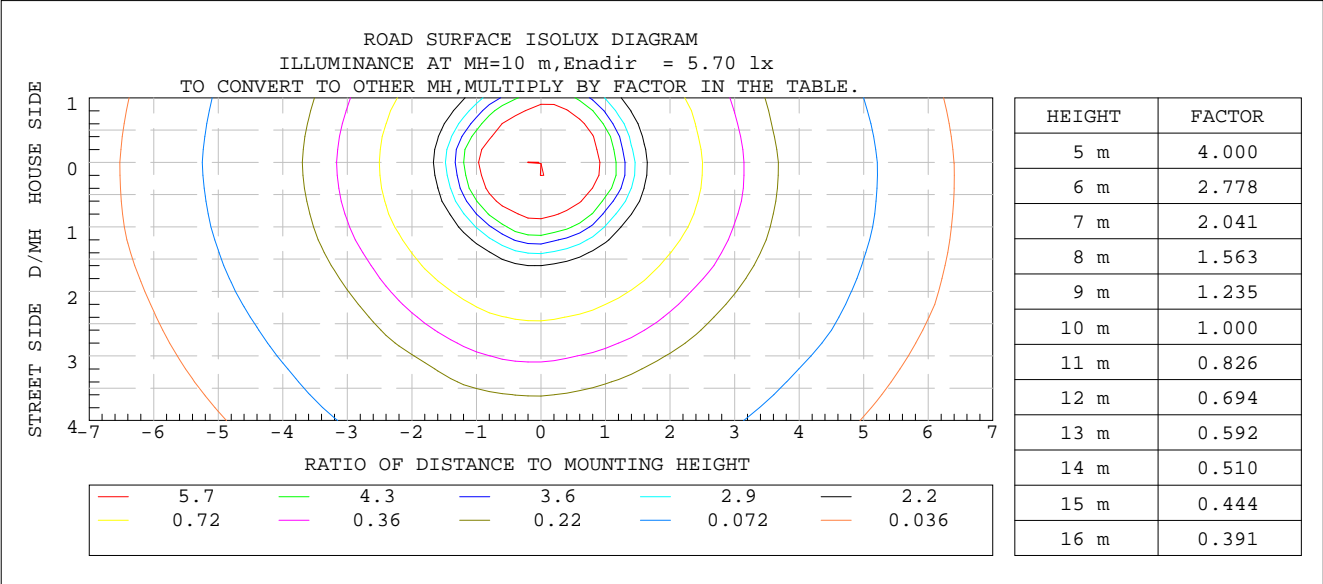
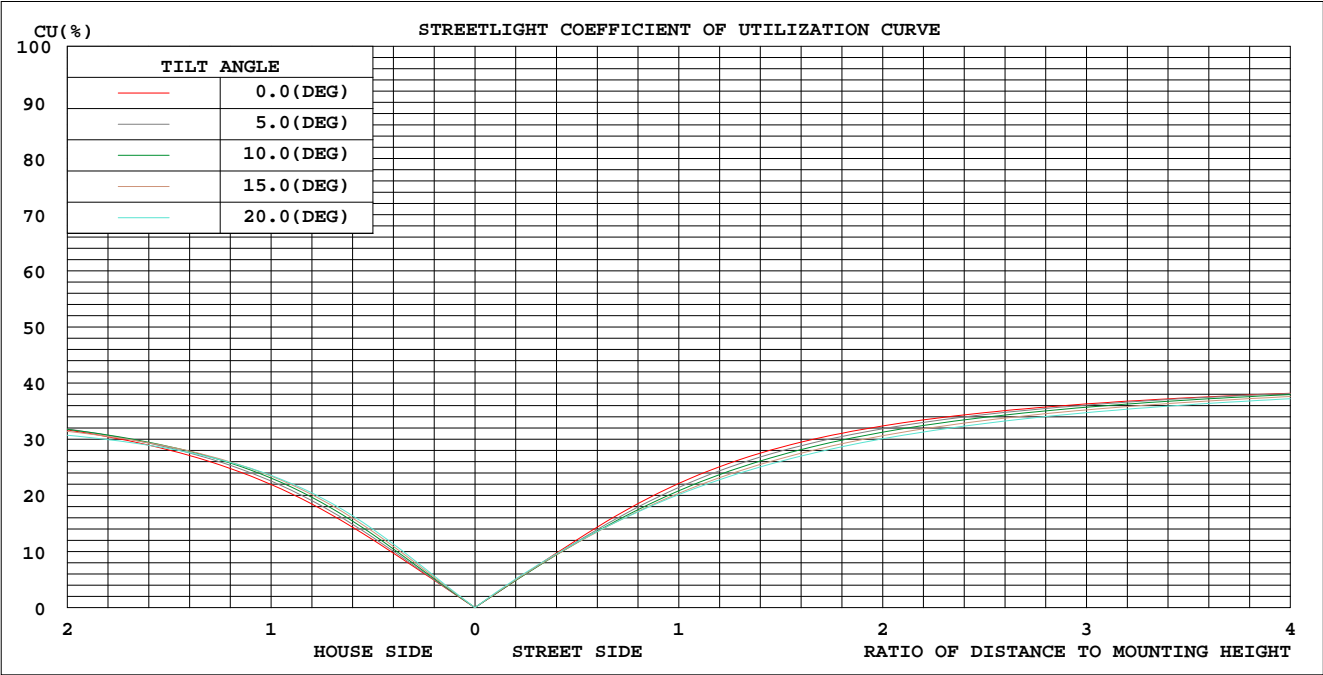
IES:Type IV - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:124.4cd/klm
 Max.At90:83.36cd/klm
 Max.80-90:124.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1648
90%	1483
80%	1318
70%	1154
60%	989
50%	824
40%	659
30%	494
20%	330
10%	165
5%	82

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2017-09-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
 Humidity:67.1%
 Test Distance:26.000m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:David
Test Date:2017-09-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
Humidity:67.1%
Test Distance:26.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.0V I:0.6812A P:81.08W PF:0.9918 Lamp Flux:8636.76x1 lm		
NAME: Outdoor Pole/Arm-mounted Decorative Luminaire	TYPE:CL03C-80-40k-lv-01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Supertek	SUR.:0.19*0.19*3.14	PROTECTION ANGLE:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum
10	594.1	595.7	606.6	597.9	601.4	592.1	588.8	598.2	0- 10	55.85	55.85	0.65
20	749.4	734.4	769.0	792.7	824.3	779.3	804.1	781.5	10- 20	192.9	248.8	2.88
30	1023	1003	1046	1090	1110	1044	1070	1091	20- 30	428.0	676.8	7.84
40	1306	1302	1350	1353	1353	1281	1429	1358	30- 40	757.8	1435	16.6
50	1488	1471	1556	1479	1474	1378	1632	1521	40- 50	1109	2543	29.4
60	1469	1446	1567	1434	1390	1318	1591	1483	50- 60	1336	3880	44.9
70	1285	1264	1353	1204	1210	1142	1364	1258	60- 70	1354	5233	60.6
80	1008	976.3	1035	873.9	899.0	896.1	1074	968.6	70- 80	1175	6408	74.2
90	706.7	678.5	688.0	561.3	591.5	596.0	698.4	655.6	80- 90	874.6	7283	84.3
100	444.7	428.9	430.9	341.1	347.1	351.9	414.3	403.5	90-100	561.4	7844	90.8
110	272.6	261.6	268.6	223.3	221.2	206.8	233.8	239.7	100-110	328.4	8173	94.6
120	186.1	181.7	187.9	165.8	157.1	147.1	160.0	163.0	110-120	199.4	8372	96.9
130	132.1	136.0	139.4	119.5	107.8	100.9	107.4	113.3	120-130	129.8	8502	98.4
140	88.73	92.23	92.90	79.06	70.48	67.33	71.65	74.91	130-140	77.14	8579	99.3
150	53.45	52.90	51.65	42.08	39.58	39.58	40.93	46.11	140-150	39.41	8618	99.8
160	24.36	25.20	21.37	17.32	13.25	14.48	12.94	18.28	150-160	14.88	8633	100
170	6.088	6.566	6.038	6.296	5.957	6.679	7.382	6.451	160-170	3.244	8636	100
180	2.623	2.594	0.3993	0.7140	2.176	2.259	2.336	2.363	170-180	0.4286	8637	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2017-09-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
 Humidity:67.1%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.6812A P:81.08W PF:0.9918 Lamp Flux:8636.76x1 lm		
NAME: Outdoor Pole/Arm-mounted Decorative Luminaire	TYPE:CL03C-80-40k-1v-01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Supertek	SUR.:0.19*0.19*3.14	PROTECTION ANGLE:

Conical surface Flux(90deg):

1949.1 lm

%lum = 22.6%

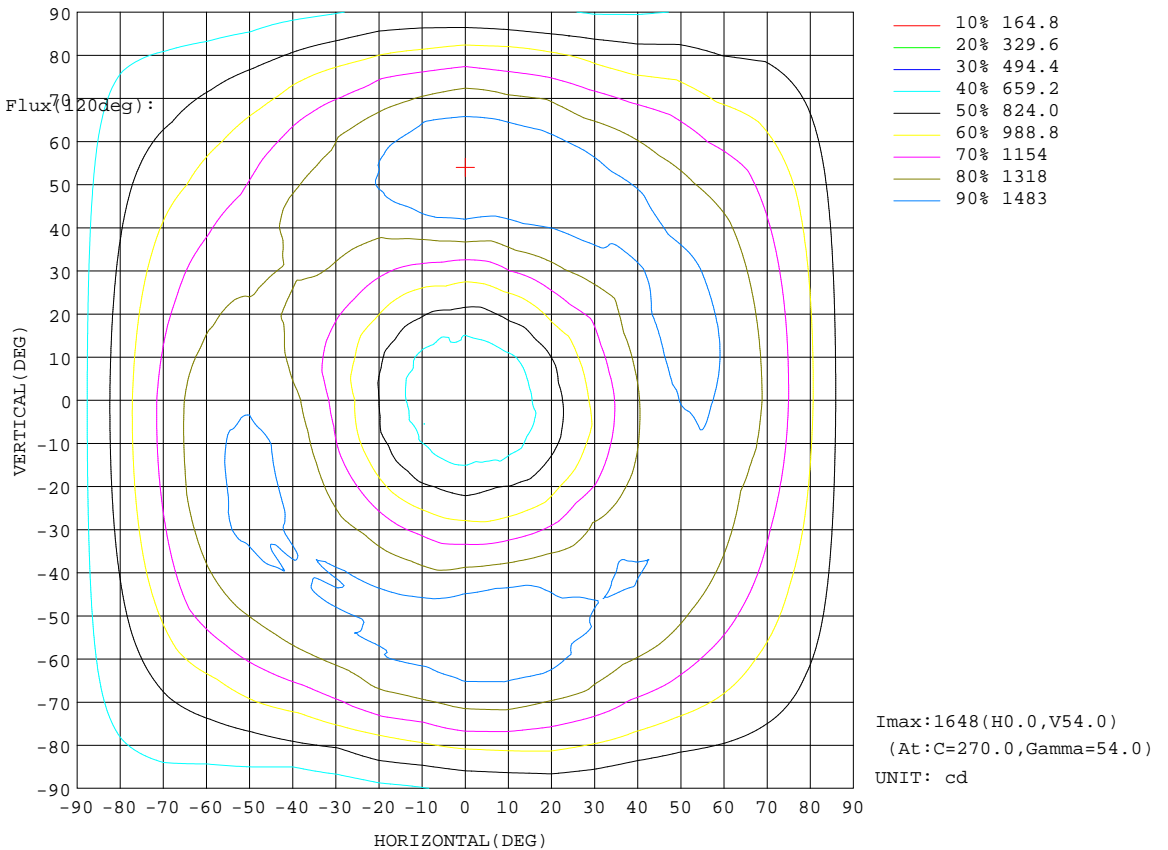
%lamp = 22.6%

Conical surface Flux(70deg):

3879.8 lm

%lum = 44.9%

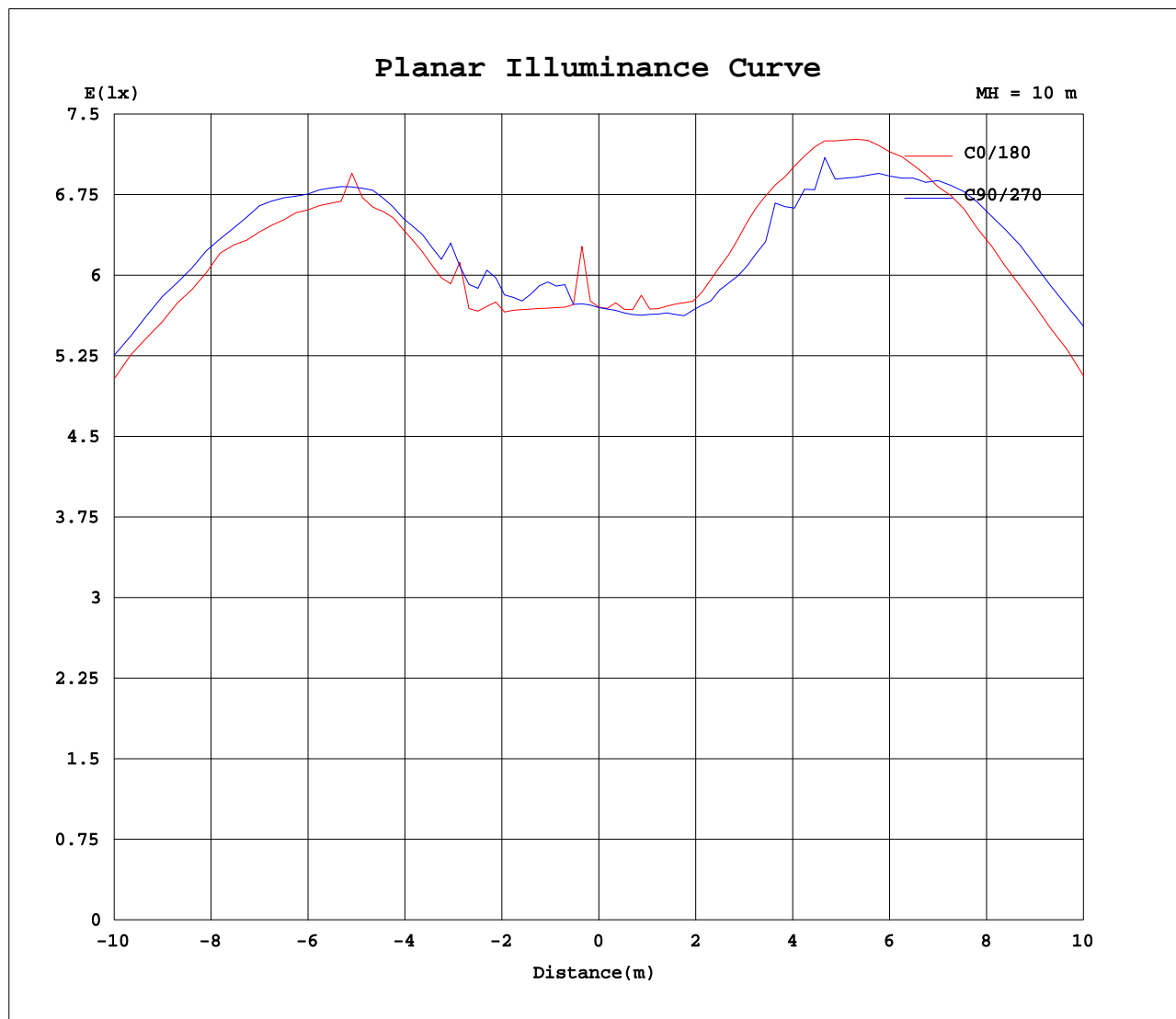
%lamp = 44.9%



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:David
Test Date:2017-09-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
Humidity:67.1%
Test Distance:26.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.6DEG
Operators: David
Test Date: 2017-09-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.287
Humidity: 67.1%
Test Distance: 26.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.6812A P:81.08W PF:0.9918 Lamp Flux:8636.76x1 lm		
NAME: Outdoor Pole/Arm-mounted Decorative Luminaire	TYPE:CL03C-80-40k-lv-01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Supertek	SUR.:0.19*0.19*3.14	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	570	571	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570
5	576	577	578	576	577	577	579	579	637	597	582	581	581	581	579	577	574	572	588
10	594	593	588	591	594	597	590	596	605	607	601	597	600	598	598	617	607	604	601
15	631	625	630	634	629	640	637	654	669	656	658	666	670	669	684	679	682	683	687
20	749	731	739	733	727	742	740	766	780	769	778	791	779	797	789	809	801	824	824
25	891	855	861	855	866	867	895	928	900	912	920	930	928	930	939	950	950	961	974
30	1023	991	997	997	1010	996	1016	1030	1032	1046	1052	1070	1070	1083	1096	1101	1107	1120	1110
35	1165	1156	1148	1140	1171	1157	1173	1193	1201	1209	1194	1219	1229	1232	1243	1256	1261	1270	1241
40	1306	1293	1266	1287	1318	1286	1326	1354	1362	1350	1324	1347	1338	1352	1354	1360	1378	1383	1353
45	1425	1378	1376	1393	1412	1401	1435	1492	1507	1487	1449	1454	1446	1449	1439	1437	1458	1468	1432
50	1488	1437	1443	1459	1486	1456	1483	1570	1603	1556	1518	1524	1492	1480	1478	1478	1507	1506	1474
55	1507	1461	1466	1466	1486	1470	1518	1584	1612	1599	1525	1514	1480	1474	1478	1491	1510	1519	1449
60	1469	1407	1412	1421	1442	1451	1474	1542	1567	1567	1513	1485	1454	1443	1425	1443	1475	1456	1390
65	1387	1327	1341	1344	1372	1368	1436	1478	1492	1489	1423	1393	1333	1327	1324	1338	1381	1353	1322
70	1285	1244	1228	1236	1256	1272	1321	1348	1357	1353	1311	1264	1211	1211	1196	1226	1244	1221	1210
75	1153	1122	1109	1099	1115	1132	1178	1221	1219	1209	1152	1130	1061	1037	1059	1072	1078	1073	1055
80	1008	970	959	959	966	986	1032	1052	1053	1035	972	939	881	865	883	889	924	909	899
85	854	827	821	818	809	826	856	873	868	862	813	782	720	696	708	728	744	753	744
90	707	689	683	677	671	686	709	720	706	688	654	615	569	561	562	574	590	599	591
95	557	556	555	547	544	555	568	580	564	542	514	482	447	433	445	452	458	456	451
100	445	441	436	428	424	434	446	452	441	431	404	382	354	339	344	349	355	351	347
105	346	341	337	330	330	339	349	353	347	337	319	300	280	271	276	282	283	282	274
110	273	270	266	259	257	266	272	276	275	269	258	245	230	223	224	227	230	229	221
115	221	220	217	211	210	216	222	225	223	220	213	204	194	189	189	191	193	193	185
120	186	185	182	179	179	184	187	189	190	188	184	177	171	166	166	166	166	165	157
125	158	158	157	156	157	161	164	165	166	165	163	158	150	144	143	143	141	138	131
130	132	133	132	132	134	138	140	141	140	139	137	131	125	120	119	119	117	114	108
135	110	112	112	112	113	115	117	117	118	117	113	108	104	99.2	98.5	97.9	96.2	93.7	88.1
140	88.7	90.5	90.7	90.9	91.5	93.0	94.2	94.6	94.7	92.9	90.2	86.5	82.8	79.3	78.8	78.5	77.1	74.6	70.5
145	68.8	69.7	70.0	69.8	70.5	72.0	72.9	72.7	72.2	70.6	68.4	65.9	62.7	59.6	59.3	59.5	58.1	56.5	54.0
150	53.5	53.7	52.8	51.9	52.3	53.5	54.2	53.8	53.1	51.6	49.9	48.0	45.2	42.6	41.5	41.5	41.1	40.8	39.6
155	38.3	38.8	38.4	37.6	37.7	38.1	38.4	37.6	36.6	35.3	33.9	32.3	29.9	28.1	27.2	26.6	26.2	25.8	24.9
160	24.4	24.9	25.3	25.3	25.3	25.0	24.6	23.7	22.6	21.4	20.0	18.9	18.1	17.8	16.8	15.4	14.4	13.7	13.3
165	12.6	13.3	14.2	14.9	15.1	14.6	13.5	12.2	11.1	10.1	9.60	9.50	9.54	9.32	8.76	8.24	7.71	7.25	6.92
170	6.09	6.36	6.63	6.74	6.68	6.45	6.12	5.89	5.86	6.04	6.30	6.45	6.43	6.38	6.21	6.21	6.12	6.05	5.96
175	3.92	4.07	4.17	4.32	4.42	4.57	4.70	4.89	5.18	5.56	5.55	5.29	4.85	4.31	3.89	3.49	3.07	2.77	2.29
180	2.62	2.70	3.10	2.70	2.72	2.47	2.13	1.09	0.52	0.40	0.45	0.67	0.58	0.63	0.80	1.17	1.64	2.01	2.18

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:David
Test Date:2017-09-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
Humidity:67.1%
Test Distance:26.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.6812A P:81.08W PF:0.9918 Lamp Flux:8636.76x1 lm			
NAME: Outdoor Pole/Arm-mounted Decorative Luminaire		TYPE:CL03C-80-40k-lv-01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:	
MFR.: Supertek	SUR.:0.19*0.19*3.14	PROTECTION ANGLE:	

Table--2

UNIT: cd

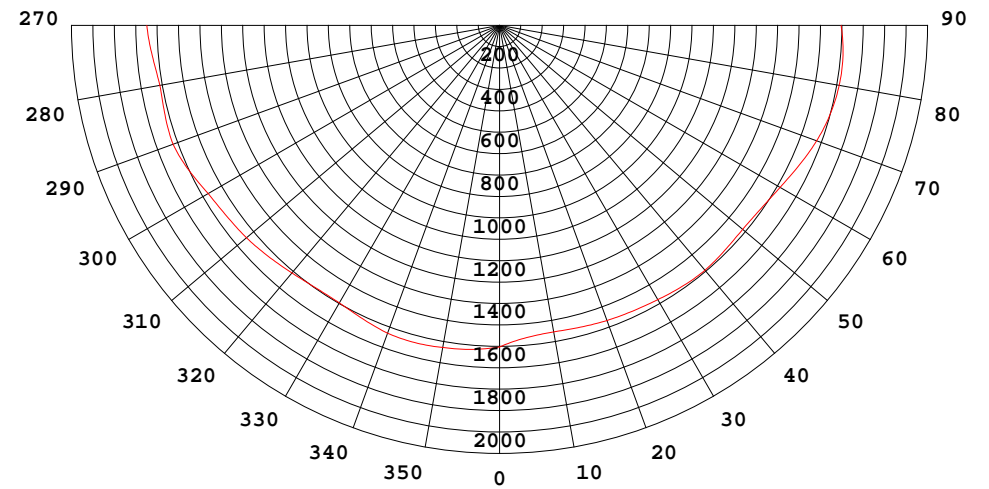
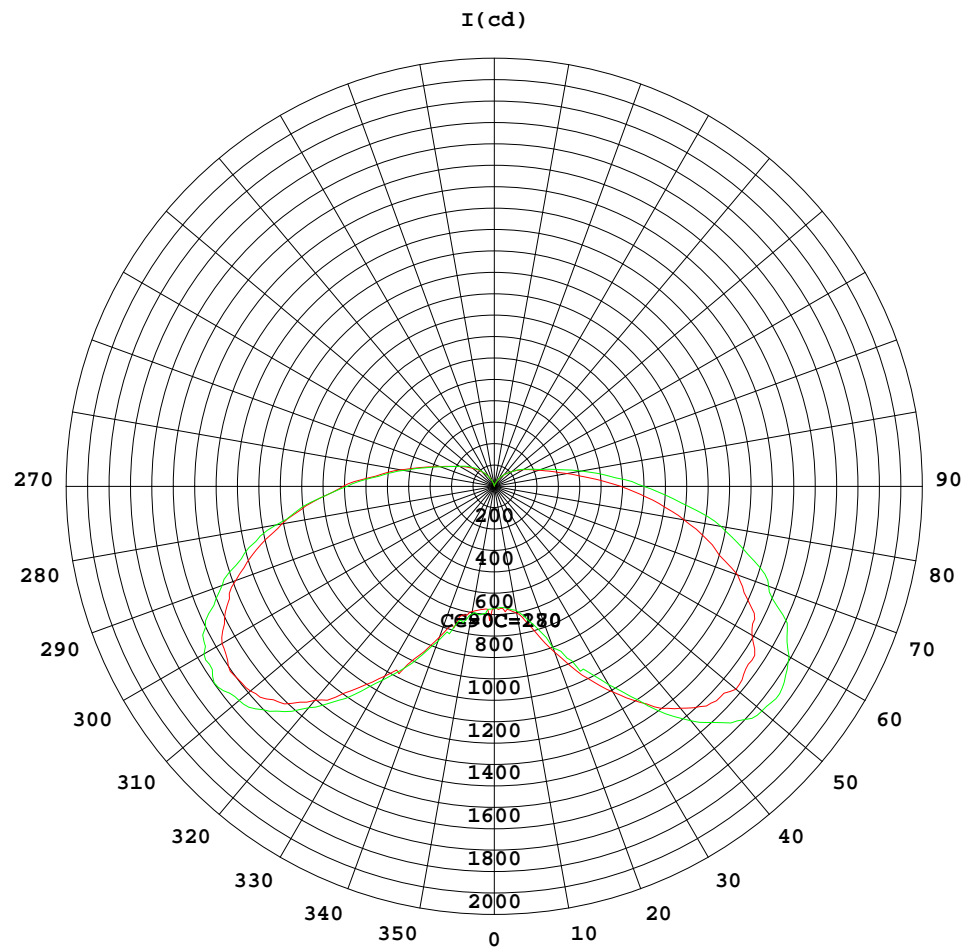
C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	571	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570		
5	604	570	569	567	566	569	566	568	569	571	572	577	574	574	576	603	621		
10	597	587	581	608	576	575	588	582	589	612	593	590	595	601	606	602	624		
15	690	669	670	653	652	664	647	669	658	678	671	676	665	652	649	655	657		
20	817	802	783	788	771	783	766	792	804	780	787	800	779	784	766	759	771		
25	941	940	907	909	910	938	917	933	953	916	945	930	930	936	909	909	897		
30	1063	1054	1034	1043	1045	1041	1058	1074	1070	1078	1103	1083	1092	1090	1041	1051	1038		
35	1184	1163	1160	1171	1176	1182	1203	1239	1252	1242	1263	1246	1249	1224	1175	1191	1181		
40	1282	1256	1254	1276	1286	1298	1335	1400	1429	1402	1407	1379	1376	1340	1296	1331	1325		
45	1346	1314	1307	1350	1362	1372	1439	1547	1563	1526	1535	1505	1488	1459	1411	1451	1444		
50	1377	1326	1321	1366	1390	1433	1524	1630	1632	1587	1602	1556	1536	1506	1489	1514	1511		
55	1373	1307	1299	1346	1382	1443	1524	1626	1642	1611	1612	1565	1541	1516	1505	1529	1523		
60	1321	1256	1235	1295	1341	1404	1493	1562	1591	1578	1553	1517	1484	1481	1462	1483	1486		
65	1235	1188	1168	1204	1269	1340	1416	1486	1510	1484	1463	1414	1399	1390	1379	1405	1406		
70	1124	1072	1066	1109	1175	1221	1291	1337	1364	1339	1339	1272	1261	1255	1254	1288	1288		
75	1008	966	962	991	1038	1080	1167	1198	1226	1206	1179	1131	1108	1136	1109	1176	1163		
80	872	841	847	872	920	952	1006	1036	1074	1068	1024	986	953	984	963	1012	1017		
85	726	702	702	723	760	799	851	880	875	854	833	809	797	830	820	856	858		
90	589	569	565	578	614	651	694	703	698	685	678	646	647	664	660	688	697		
95	454	446	437	449	474	501	539	543	543	543	539	518	516	528	524	546	556		
100	345	341	335	343	361	381	403	409	414	407	406	395	397	410	419	430	434		
105	270	264	257	260	272	286	302	305	306	304	300	297	301	310	320	331	337		
110	218	210	203	202	211	221	230	233	234	231	230	229	233	246	254	262	264		
115	181	174	169	168	174	181	187	189	189	189	186	184	189	198	206	211	214		
120	153	149	146	145	149	155	158	160	160	160	158	156	160	166	172	177	180		
125	127	123	121	121	124	128	131	133	135	137	136	135	139	143	147	150	152		
130	105	102	99.9	100	102	104	106	107	107	108	108	108	111	115	119	123	126		
135	85.6	83.1	81.7	81.8	83.2	85.3	86.7	87.6	87.6	87.9	87.7	87.4	90.9	94.2	97.8	102	104		
140	68.4	67.3	66.1	66.4	68.3	69.8	70.9	71.3	71.7	71.8	71.4	70.5	73.3	76.5	79.4	81.6	83.7		
145	52.9	52.4	51.5	51.8	53.9	55.4	56.0	56.0	56.1	56.8	55.7	55.0	57.9	61.3	63.9	65.2	66.0		
150	39.3	39.3	39.0	39.2	40.0	40.3	40.4	40.3	40.9	41.7	41.3	42.0	44.9	47.4	49.2	50.5	51.3		
155	24.8	25.0	25.4	25.9	25.4	24.9	24.5	24.6	25.0	26.4	27.5	28.8	30.8	32.7	34.4	35.5	36.6		
160	13.2	13.7	14.4	14.8	14.2	13.3	12.7	12.8	12.9	14.2	16.0	17.3	17.8	18.7	20.0	21.4	22.5		
165	7.07	7.22	7.32	7.57	7.83	7.93	8.64	8.67	8.90	7.97	7.47	8.32	9.10	9.46	10.1	10.6	11.4		
170	5.98	6.00	6.17	6.51	6.85	7.00	7.03	7.20	7.38	7.64	7.17	6.79	6.60	6.31	6.20	6.05	6.11		
175	2.29	2.20	2.27	2.26	2.28	2.35	2.35	2.35	2.31	2.30	2.61	3.11	3.50	3.71	3.77	3.81	3.85		
180	2.23	2.23	2.20	2.22	2.30	2.37	2.37	2.33	2.34	2.32	2.34	2.37	2.37	2.35	2.37	2.33	2.31		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2017-09-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
 Humidity:67.1%
 Test Distance:26.000m [K=1.0000]
 Remarks:

FLUX DATA:

LOR:	100.0 %
STREET DOWN:	3929 lm
STREET UP:	761.2 lm
HOUSE DOWN:	3353 lm
HOUSE UP:	592.9 lm



$I_{\max}(100\%) = 1648 \text{ cd}$

