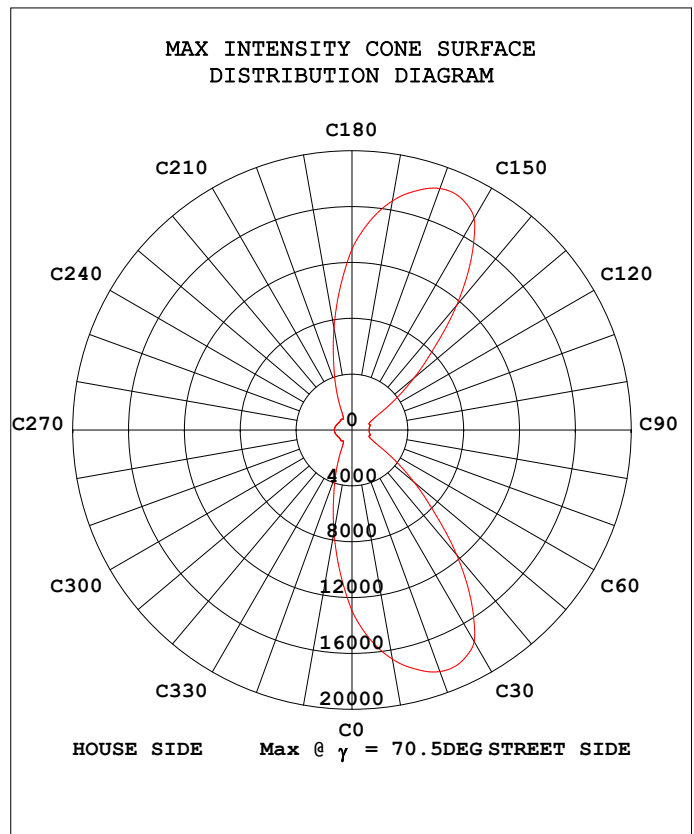
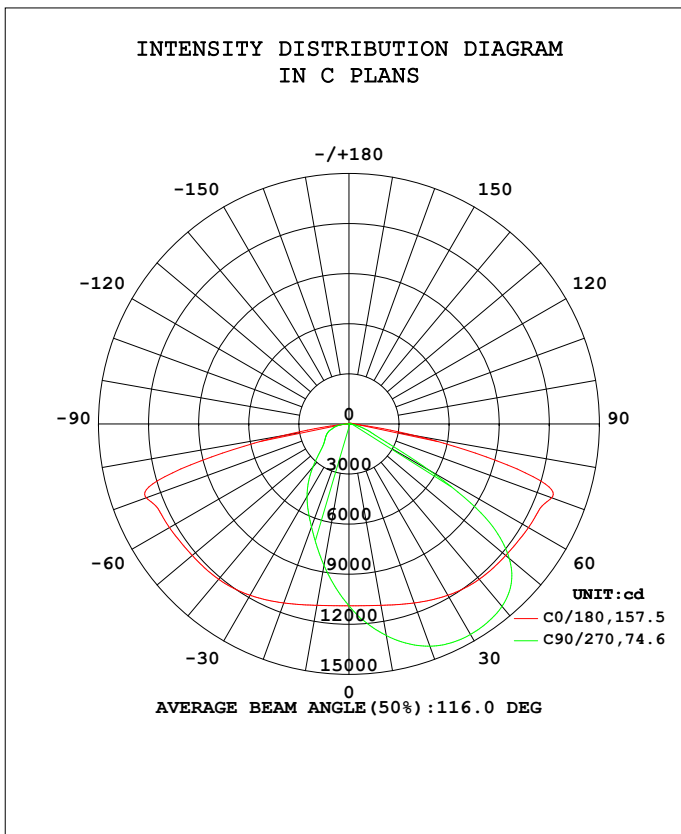


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.0V I:2.503A P:300.0W PF:0.999 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43496.2x1 lm		
NAME: ST10-300-UD-3070-A21601	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

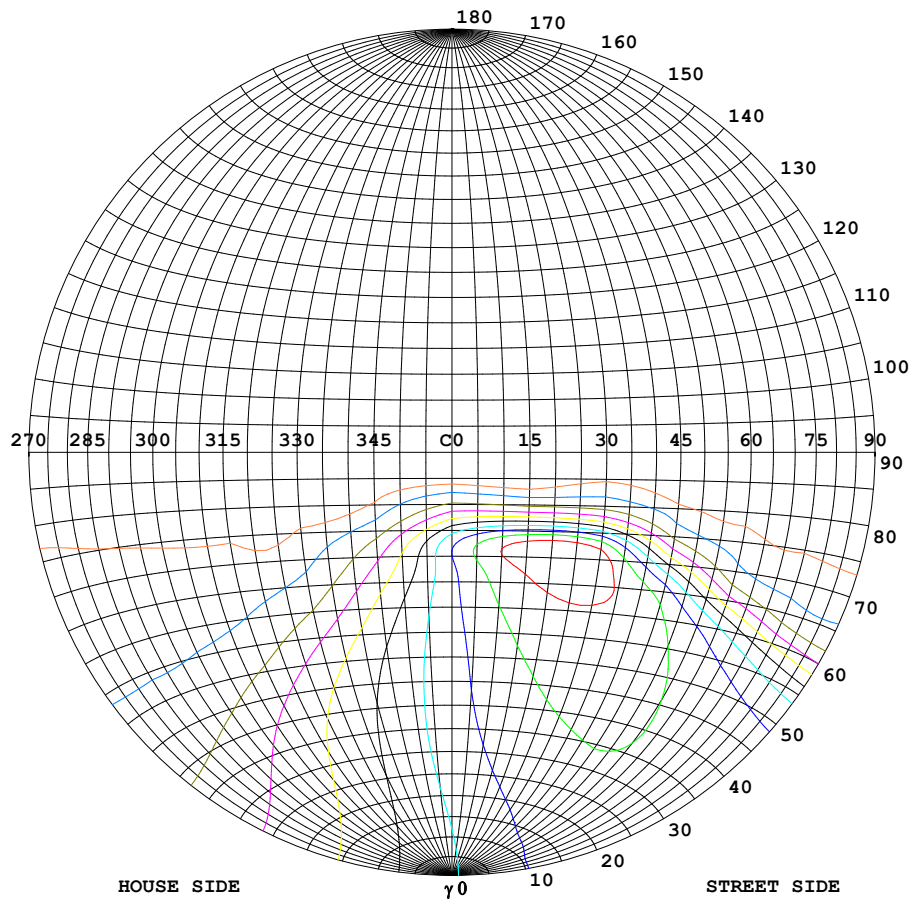
DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.99 lm/W			
MODEL	/	I _{max} (cd)	18486	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	70.0
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	43496	η house_up (%)	0.0
NOMINAL FLUX (lm)	43496.2	MAXIMUM @ (C, γ)	158,70.5	η house_down (%)	30.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LYJ
 Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.0446]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

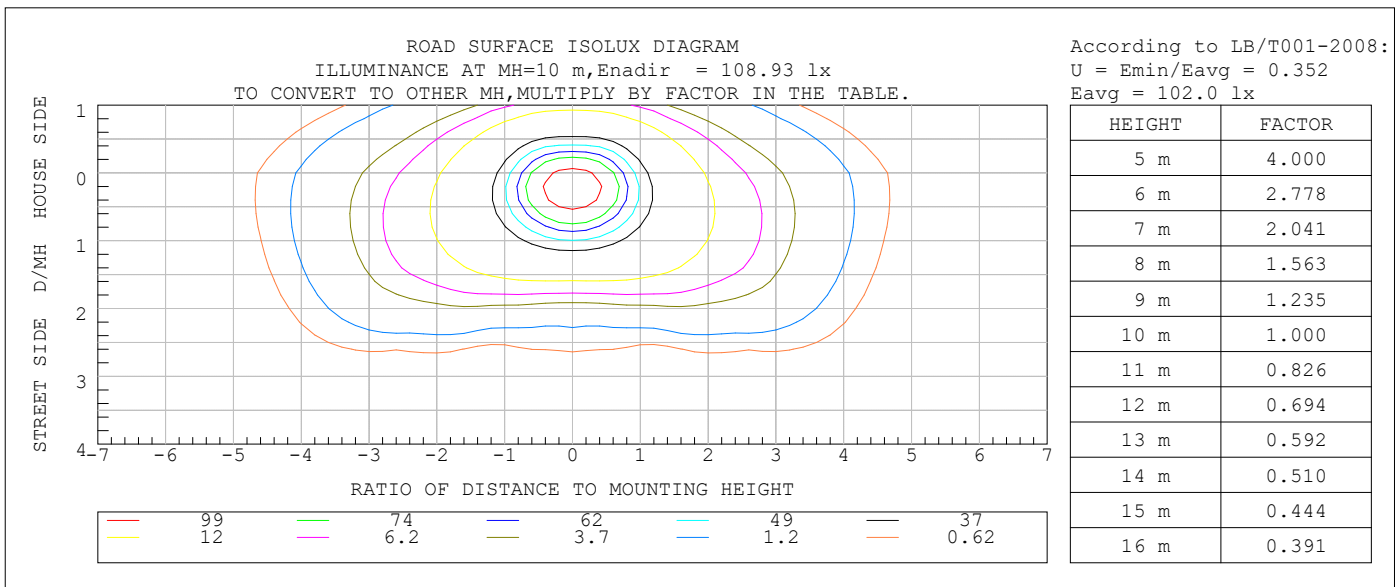
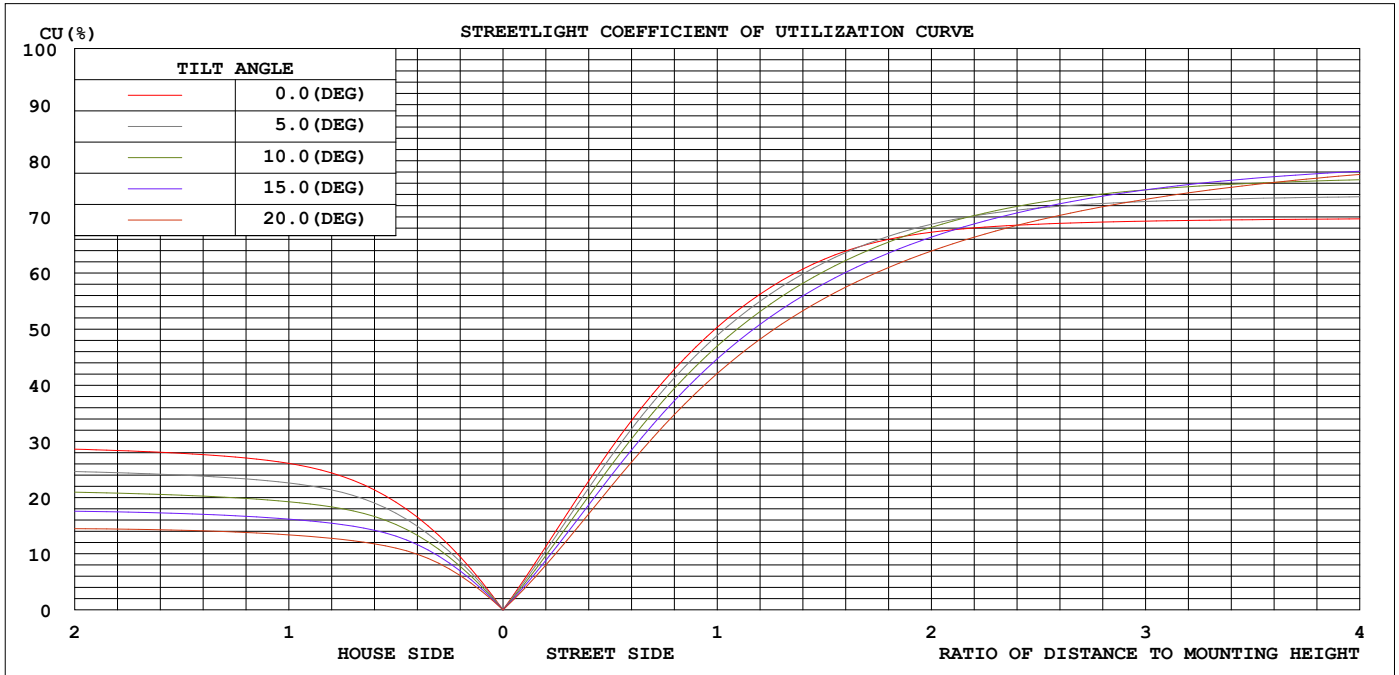
IES:Type III - Medium
 CIE:Broad - Long
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:92.03cd/klm
 Max.At90:0.3653cd/klm
 Max.80-90:92.03cd/klm
 NRB 5101:Limited[6.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	18486
90%	16637
80%	14789
70%	12940
60%	11092
50%	9243
40%	7394
30%	5546
20%	3697
10%	1849
5%	924

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

gamma Range: 0 - 90DEG
 gamma Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.0446]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

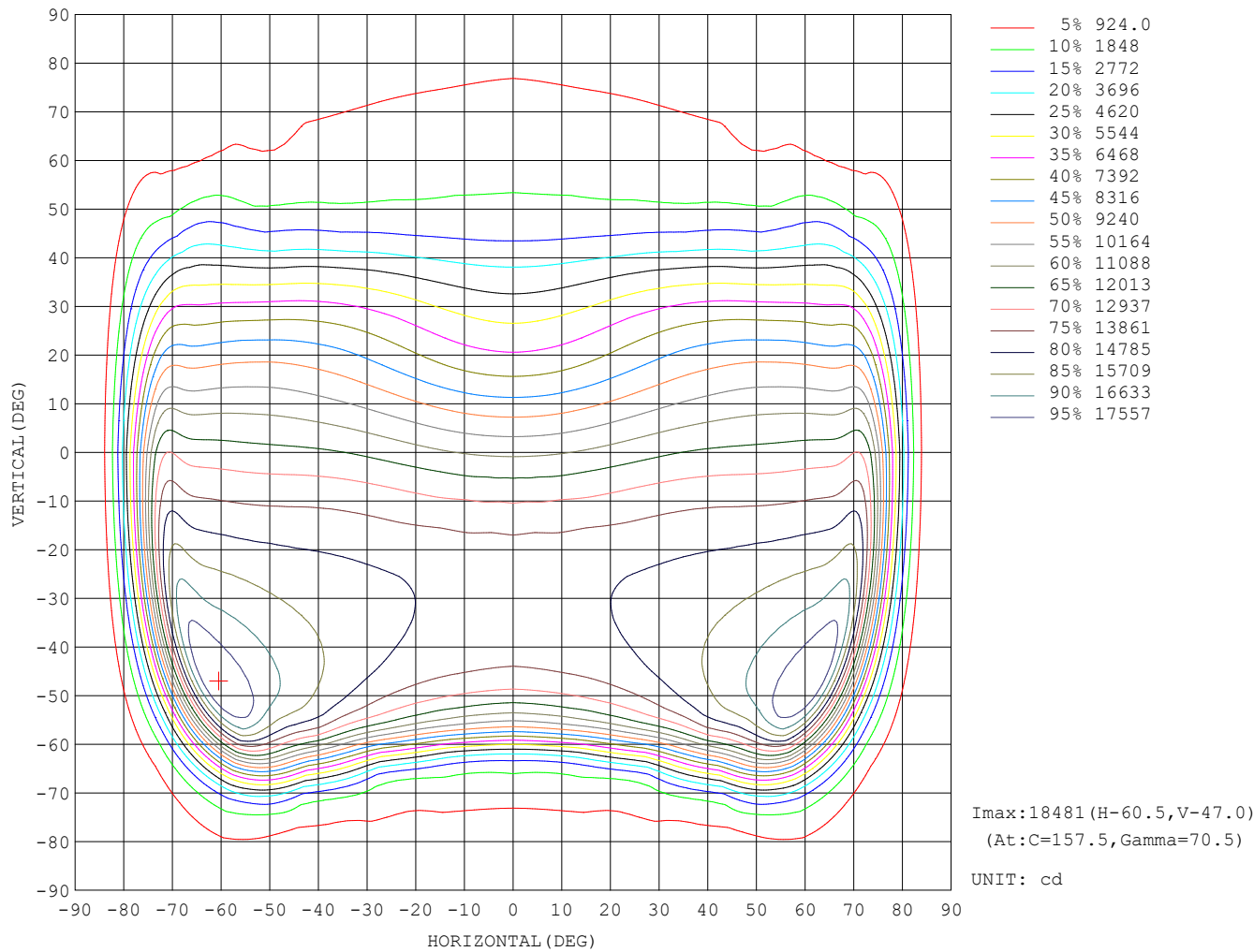
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1103	1243	1286	1243	1103	935.7	860.6	935.7	0- 10	1040	1040	2.39,2.39
20	1141	1371	1416	1371	1141	806.6	656.6	806.6	10- 20	3086	4126	9.48,9.48
30	1185	1456	1455	1456	1185	714.7	502.3	714.7	20- 30	5032	9157	21.1,21.1
40	1214	1502	1426	1502	1214	607.5	335.2	607.5	30- 40	6720	15878	36.5,36.5
50	1225	1530	1253	1530	1225	398.6	203.6	398.6	40- 50	7866	23744	54.6,54.6
60	1241	1519	556.1	1519	1241	189.5	162.3	189.5	50- 60	8167	31911	73.4,73.4
70	1292	896.2	130.0	896.2	1292	112.5	129.0	112.5	60- 70	6986	38897	89.4,89.4
80	400.3	110.2	39.19	110.2	400.3	60.49	75.71	60.49	70- 80	4105	43002	98.9,98.9
90	0.5656	0.0919	0.0533	0.0919	0.5656	0.9057	0.1055	0.9057	80- 90	494.2	43496	100,100
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:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

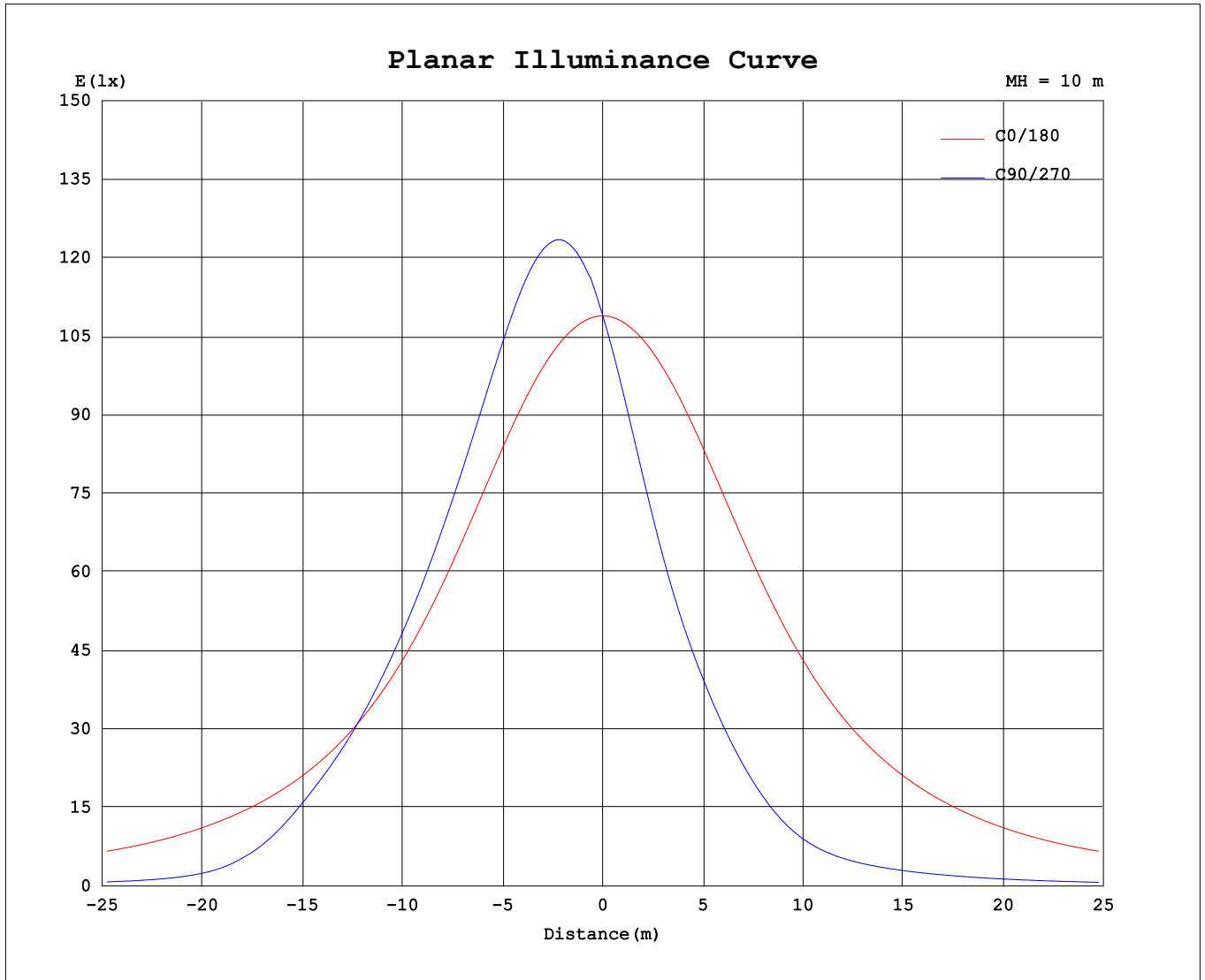
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2022-05-04

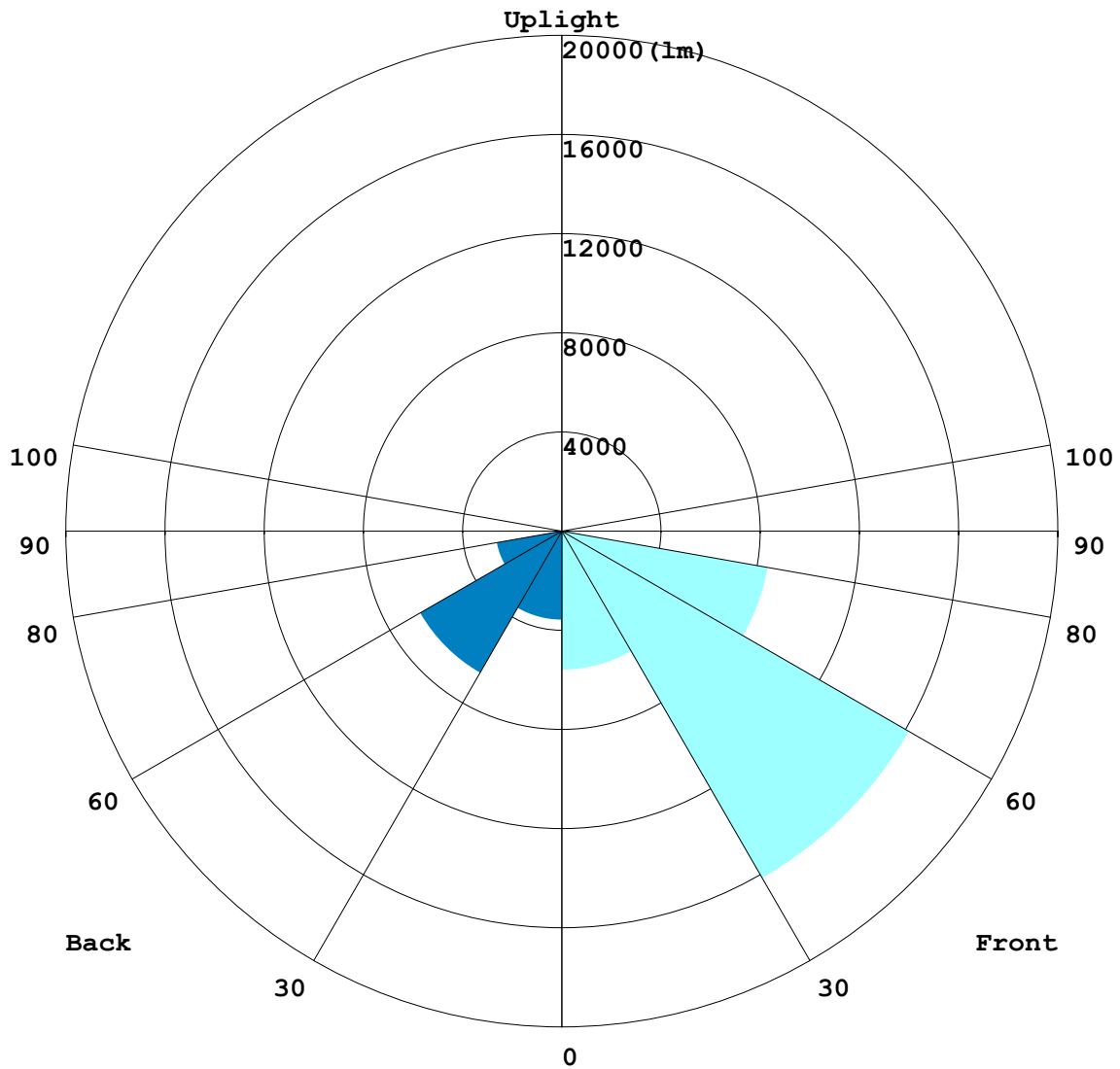
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.0446]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:120.0V I:2.503A P:300.0W PF:0.999 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43496.2x1 lm		
NAME: ST10-300-UD-3070-A21601	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:120.0V I:2.503A P:300.0W PF:0.999 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43496.2x1 lm		
NAME: ST10-300-UD-3070-A21601	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5586.1	12.8
FM - Front-Medium(30-60)	16160	37.2
FH - Front-High(60-80)	8429.8	19.4
FVH - Front-Very High(80-90)	287.33	0.7
Total Forward Light	30463	70.0

BL - Back-Low(0-30)	3571.1	8.2
BM - Back-Medium(30-60)	6593.7	15.2
BH - Back-High(60-80)	2661.3	6.1
BVH - Back-Very High(80-90)	206.84	0.5
Total Back Light	13033	30.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B4-U0-G4
---------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13033	0	13033
Street Side	30463	0	30463

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

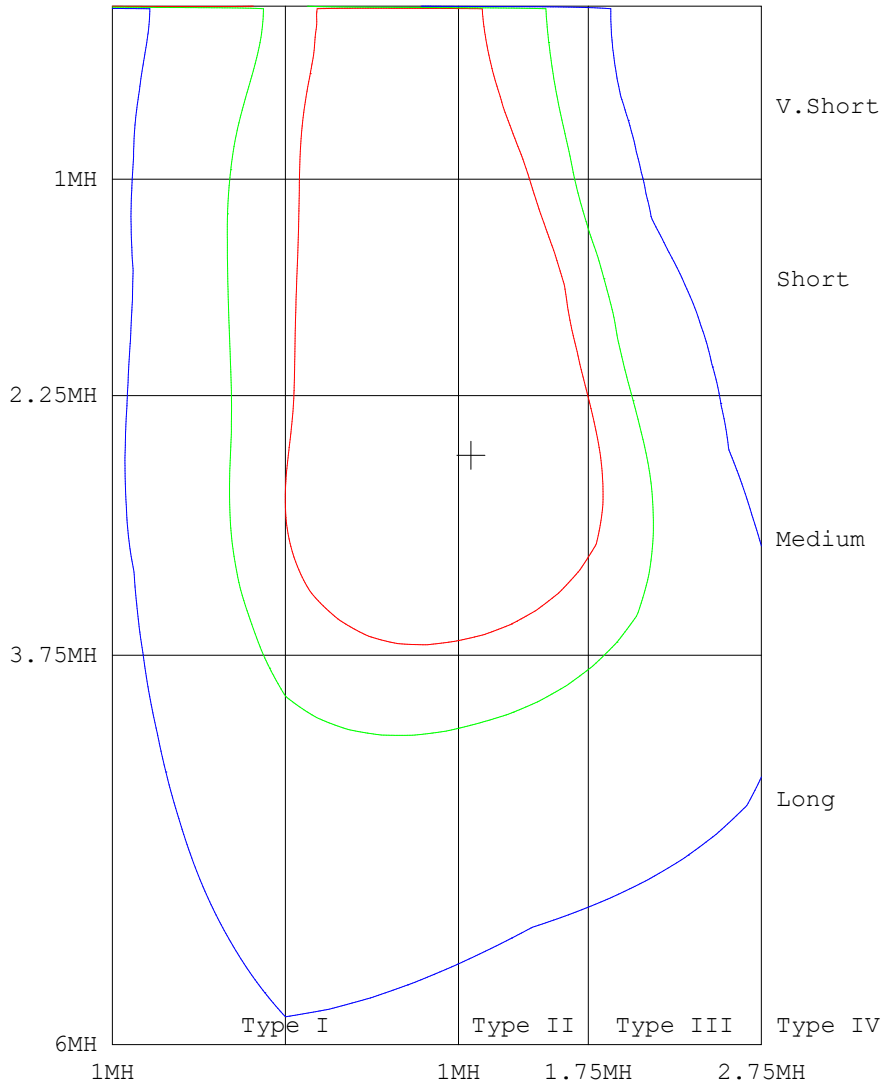
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:120.0V I:2.503A P:300.0W PF:0.999 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43496.2x1 lm		
NAME: ST10-300-UD-3070-A21601	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG Pavement Road C Range: 360 - 90DEG
 C Interval: 2.5DEG 70% 12940 50% 9243.2 5% 924.32 2.5% 462.16
 Test Speed: HIGH γ Interval: 0.5DEG
 Temperature: 25.3°C Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Operators: LYJ Humidity: 65.0%
 Test Date: 2022-05-04 Test Distance: 26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: X10cd

C (DEG) \ γ (DEG)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1093	1097	1102	1107	1112	1117	1121	1126	1130	1135	1139	1143	1147	1151	1155	1158	1162	1165	1168
10	1103	1113	1122	1132	1141	1150	1158	1166	1174	1182	1189	1196	1203	1211	1218	1225	1231	1237	1243
15	1120	1134	1148	1161	1174	1187	1199	1211	1221	1232	1242	1251	1260	1270	1279	1288	1296	1304	1312
20	1141	1159	1177	1194	1211	1227	1242	1256	1269	1282	1293	1305	1315	1326	1336	1346	1355	1363	1371
25	1163	1186	1207	1228	1248	1266	1284	1300	1315	1329	1342	1354	1365	1377	1387	1396	1405	1413	1420
30	1185	1211	1236	1260	1283	1305	1325	1343	1359	1374	1388	1400	1411	1421	1431	1439	1446	1452	1456
35	1202	1233	1262	1289	1315	1339	1362	1381	1399	1414	1428	1440	1450	1459	1467	1473	1478	1481	1483
40	1214	1249	1283	1314	1343	1370	1395	1416	1435	1451	1464	1476	1485	1492	1498	1501	1503	1503	1502
45	1221	1261	1299	1335	1369	1399	1426	1449	1468	1484	1498	1508	1516	1522	1525	1526	1525	1522	1517
50	1225	1272	1316	1357	1395	1429	1459	1483	1503	1520	1533	1542	1549	1552	1553	1552	1547	1540	1530
55	1232	1287	1338	1385	1427	1466	1500	1527	1548	1566	1579	1587	1591	1592	1589	1582	1571	1557	1538
60	1241	1307	1368	1423	1473	1517	1556	1586	1611	1629	1641	1647	1647	1642	1630	1612	1588	1557	1519
65	1249	1330	1405	1473	1533	1586	1630	1668	1697	1716	1726	1725	1713	1687	1650	1601	1541	1469	1385
70	1292	1400	1497	1582	1655	1716	1764	1807	1835	1847	1840	1812	1763	1650	1518	1372	1216	1056	896
75	1042	1126	1197	1255	1300	1331	1349	1359	1355	1336	1301	1248	1179	1049	907	758	608	464	331
80	400	395	386	374	360	345	331	328	326	323	319	312	301	272	240	207	173	140	110
85	51.0	48.3	45.8	43.7	42.2	41.6	42.1	48.7	56.1	63.5	70.4	76.1	80.2	75.1	68.3	60.3	51.5	42.6	34.2
90	0.57	0.49	0.42	0.37	0.33	0.30	0.27	0.25	0.22	0.20	0.19	0.17	0.16	0.15	0.13	0.12	0.11	0.10	0.09

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 2.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Temperature:25.3°C	Humidity:65.0%
Operators:LYJ	Test Distance:26.000m [K=0.0446]
Test Date:2022-05-04	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: X10cd

C (DEG) \ γ (DEG)	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70	72.5	75	77.5	80	82.5	85	87.5	90	92.5
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1171	1173	1176	1178	1181	1183	1185	1187	1189	1191	1192	1193	1194	1195	1195	1195	1195	1195	1195
10	1248	1252	1256	1260	1263	1266	1270	1273	1277	1280	1282	1285	1286	1286	1287	1287	1287	1286	1287
15	1317	1323	1327	1332	1335	1339	1343	1348	1351	1355	1358	1360	1361	1362	1362	1362	1362	1361	1362
20	1377	1382	1386	1390	1394	1397	1401	1405	1409	1412	1415	1417	1418	1418	1418	1417	1417	1416	1417
25	1425	1429	1432	1435	1437	1439	1441	1444	1446	1448	1450	1451	1451	1450	1449	1448	1447	1446	1447
30	1459	1460	1461	1461	1461	1461	1462	1463	1463	1464	1464	1464	1463	1461	1459	1458	1456	1455	1456
35	1482	1481	1479	1476	1473	1469	1468	1467	1466	1465	1463	1462	1459	1457	1454	1452	1450	1449	1450
40	1498	1493	1488	1482	1475	1469	1465	1460	1456	1453	1449	1445	1441	1437	1433	1430	1427	1426	1427
45	1509	1501	1491	1480	1469	1458	1448	1439	1430	1421	1412	1404	1396	1388	1382	1377	1373	1371	1373
50	1517	1502	1485	1467	1447	1428	1408	1388	1369	1350	1332	1315	1299	1285	1273	1263	1256	1253	1256
55	1512	1483	1452	1418	1383	1346	1309	1271	1234	1199	1165	1133	1105	1081	1060	1044	1033	1028	1033
60	1468	1411	1349	1283	1214	1143	1069	994	922	851	785	725	677	636	604	579	563	556	563
65	1268	1143	1014	885	759	640	554	479	413	357	309	271	244	226	214	208	208	211	208
70	761	632	513	406	310	230	189	162	146	139	138	143	137	133	130	129	129	130	129
75	264	213	175	149	132	122	108	98.4	92.3	88.8	87.4	87.4	83.8	81.0	78.7	77.1	76.2	75.8	76.2
80	96.6	86.6	79.5	74.8	71.8	69.8	64.6	59.8	55.5	51.7	48.3	45.5	43.3	41.6	40.4	39.6	39.2	39.2	39.2
85	30.8	28.3	26.5	25.2	24.3	23.6	22.1	20.7	19.4	18.2	17.1	16.1	15.2	14.4	13.8	13.3	13.0	12.8	13.0
90	0.09	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 2.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Temperature:25.3°C	Humidity:65.0%
Operators:LYJ	Test Distance:26.000m [K=0.0446]
Test Date:2022-05-04	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: X10cd

C (DEG) \ γ (DEG)	95	97.5	100	102.5	105	107.5	110	112.5	115	117.5	120	122.5	125	127.5	130	132.5	135	137.5	140	
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1195	1195	1195	1194	1193	1192	1191	1189	1187	1185	1183	1181	1178	1176	1173	1171	1168	1165	1162	1162
10	1287	1287	1286	1286	1285	1282	1280	1277	1273	1270	1266	1263	1260	1256	1252	1248	1243	1237	1231	1231
15	1362	1362	1362	1361	1360	1358	1355	1351	1348	1343	1339	1335	1332	1327	1323	1317	1312	1304	1296	1296
20	1417	1418	1418	1418	1417	1415	1412	1409	1405	1401	1397	1394	1390	1386	1382	1377	1371	1363	1355	1355
25	1448	1449	1450	1451	1451	1450	1448	1446	1444	1441	1439	1437	1435	1432	1429	1425	1420	1413	1405	1405
30	1458	1459	1461	1463	1464	1464	1464	1463	1463	1462	1461	1461	1461	1461	1460	1459	1456	1452	1446	1446
35	1452	1454	1457	1459	1462	1463	1465	1466	1467	1468	1469	1473	1476	1479	1481	1482	1483	1481	1478	1478
40	1430	1433	1437	1441	1445	1449	1453	1456	1460	1465	1469	1475	1482	1488	1493	1498	1502	1503	1503	1503
45	1377	1382	1388	1396	1404	1412	1421	1430	1439	1448	1458	1469	1480	1491	1501	1509	1517	1522	1525	1525
50	1263	1273	1285	1299	1315	1332	1350	1369	1388	1408	1428	1447	1467	1485	1502	1517	1530	1540	1547	1547
55	1044	1060	1081	1105	1133	1165	1199	1234	1271	1309	1346	1383	1418	1452	1483	1512	1538	1557	1571	1571
60	579	604	636	677	725	785	851	922	994	1069	1143	1214	1283	1349	1411	1468	1519	1557	1588	1588
65	208	214	226	244	271	309	357	413	479	554	640	759	885	1014	1143	1268	1385	1469	1541	1541
70	129	130	133	137	143	138	139	146	162	189	230	310	406	513	632	761	896	1056	1216	1216
75	77.1	78.7	81.0	83.8	87.4	87.4	88.8	92.3	98.4	108	122	132	149	175	213	264	331	464	608	608
80	39.6	40.4	41.6	43.3	45.5	48.3	51.7	55.5	59.8	64.6	69.8	71.8	74.8	79.5	86.6	96.6	110	140	173	173
85	13.3	13.8	14.4	15.2	16.1	17.1	18.2	19.4	20.7	22.1	23.6	24.3	25.2	26.5	28.3	30.8	34.2	42.6	51.5	51.5
90	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.11

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: X10cd

C (DEG) \ γ (DEG)	142.5	145	147.5	150	152.5	155	157.5	160	162.5	165	167.5	170	172.5	175	177.5	180	182.5	185	187.5
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1158	1155	1151	1147	1143	1139	1135	1130	1126	1121	1117	1112	1107	1102	1097	1093	1088	1083	1078
10	1225	1218	1211	1203	1196	1189	1182	1174	1166	1158	1150	1141	1132	1122	1113	1103	1094	1084	1074
15	1288	1279	1270	1260	1251	1242	1232	1221	1211	1199	1187	1174	1161	1148	1134	1120	1106	1092	1077
20	1346	1336	1326	1315	1305	1293	1282	1269	1256	1242	1227	1211	1194	1177	1159	1141	1122	1104	1085
25	1396	1387	1377	1365	1354	1342	1329	1315	1300	1284	1266	1248	1228	1207	1186	1163	1141	1118	1094
30	1439	1431	1421	1411	1400	1388	1374	1359	1343	1325	1305	1283	1260	1236	1211	1185	1158	1130	1103
35	1473	1467	1459	1450	1440	1428	1414	1399	1381	1362	1339	1315	1289	1262	1233	1202	1171	1139	1107
40	1501	1498	1492	1485	1476	1464	1451	1435	1416	1395	1370	1343	1314	1283	1249	1214	1179	1143	1107
45	1526	1525	1522	1516	1508	1498	1484	1468	1449	1426	1399	1369	1335	1299	1261	1221	1181	1142	1102
50	1552	1553	1552	1549	1542	1533	1520	1503	1483	1459	1429	1395	1357	1316	1272	1225	1181	1136	1090
55	1582	1589	1592	1591	1587	1579	1566	1548	1527	1500	1466	1427	1385	1338	1287	1232	1178	1123	1066
60	1612	1630	1642	1647	1647	1641	1629	1611	1586	1556	1517	1473	1423	1368	1307	1241	1171	1100	1027
65	1601	1650	1687	1713	1725	1726	1716	1697	1668	1630	1586	1533	1473	1405	1330	1249	1152	1056	960
70	1372	1518	1650	1763	1812	1840	1847	1835	1807	1764	1716	1655	1582	1497	1400	1292	1153	1016	884
75	758	907	1049	1179	1248	1301	1336	1355	1359	1349	1331	1300	1255	1197	1126	1042	900	761	628
80	207	240	272	301	312	319	323	326	328	331	345	360	374	386	395	400	347	293	240
85	60.3	68.3	75.1	80.2	76.1	70.4	63.5	56.1	48.7	42.1	41.6	42.2	43.7	45.8	48.3	51.0	50.9	50.2	48.8
90	0.12	0.13	0.15	0.16	0.17	0.19	0.20	0.22	0.25	0.27	0.30	0.33	0.37	0.42	0.49	0.57	0.74	0.93	1.11

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 2.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Temperature:25.3°C	Humidity:65.0%
Operators:LYJ	Test Distance:26.000m [K=0.0446]
Test Date:2022-05-04	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5

UNIT: X10cd

C (DEG) \ γ (DEG)	190	192.5	195	197.5	200	202.5	205	207.5	210	212.5	215	217.5	220	222.5	225	227.5	230	232.5	235
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1073	1069	1064	1059	1054	1049	1045	1040	1036	1031	1027	1023	1019	1015	1011	1008	1004	1001	998
10	1065	1055	1045	1036	1026	1016	1006	997	987	978	969	960	952	944	936	928	921	914	907
15	1063	1048	1034	1019	1004	989	974	960	945	931	918	905	892	879	867	855	844	833	823
20	1066	1046	1027	1007	988	968	948	929	910	892	874	856	839	823	807	791	777	763	749
25	1071	1047	1023	999	975	951	927	904	881	859	837	816	796	776	757	739	721	704	689
30	1075	1047	1019	991	963	935	908	881	855	830	805	782	759	736	715	694	673	654	636
35	1076	1044	1012	980	949	918	888	858	829	801	774	747	721	695	670	645	622	599	577
40	1071	1035	999	964	930	896	862	829	796	763	731	699	668	637	607	579	551	525	500
45	1061	1021	980	939	899	859	819	779	740	701	663	625	588	552	518	485	455	427	400
50	1043	996	948	898	849	800	751	702	655	608	562	518	476	436	399	367	339	314	292
55	1008	950	891	828	766	705	645	587	532	480	432	387	346	309	277	253	234	219	207
60	953	879	805	728	651	578	507	442	381	335	295	261	232	209	190	177	167	162	159
65	866	773	684	595	511	433	362	298	242	209	184	166	154	147	143	137	134	132	132
70	758	639	529	439	361	292	234	186	147	126	113	106	105	108	112	110	109	109	109
75	503	389	288	228	181	147	123	108	99.1	89.1	83.3	80.9	81.2	83.3	86.6	86.1	85.9	86.1	86.5
80	189	142	101	82.9	71.1	64.5	62.0	62.6	65.1	62.9	61.4	60.6	60.2	60.2	60.5	60.0	59.8	59.6	59.7
85	46.9	44.7	42.1	39.1	36.0	32.9	30.0	27.3	25.0	24.2	23.8	23.8	24.1	24.6	25.3	25.7	26.2	26.8	27.6
90	1.28	1.43	1.56	1.59	1.59	1.56	1.52	1.46	1.38	1.32	1.24	1.17	1.08	0.99	0.91	0.82	0.73	0.65	0.57

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--6

UNIT: X10cd

γ (DEG) \ C (DEG)	237.5	240	242.5	245	247.5	250	252.5	255	257.5	260	262.5	265	267.5	270	272.5	275	277.5	280	282.5	
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	995	992	989	987	985	983	981	980	978	977	977	976	976	976	976	976	977	977	978	978
10	901	895	890	885	880	876	872	869	866	864	863	861	861	861	861	861	863	864	866	866
15	813	804	796	789	782	776	770	766	761	758	755	753	752	752	752	753	755	758	761	761
20	737	725	715	705	696	688	681	674	669	665	661	659	657	657	657	659	661	665	669	669
25	674	660	647	635	625	615	606	599	592	587	583	580	578	577	578	580	583	587	592	592
30	618	602	587	573	560	549	538	529	521	515	509	506	503	502	503	506	509	515	521	521
35	556	537	519	503	488	475	463	452	443	436	430	426	423	422	423	426	430	436	443	443
40	477	455	436	418	402	388	375	364	355	348	342	338	336	335	336	338	342	348	355	355
45	376	354	335	319	305	294	283	275	268	263	259	256	255	255	255	256	259	263	268	268
50	273	256	244	233	225	219	215	211	208	206	204	203	203	204	203	203	204	206	208	208
55	198	192	186	182	180	179	178	179	178	178	178	178	178	178	178	178	178	178	178	178
60	158	158	157	156	156	157	158	159	159	160	161	161	162	162	162	161	161	160	159	159
65	132	134	134	135	136	138	139	141	142	144	145	146	147	147	147	146	145	144	142	142
70	110	111	112	114	116	118	120	122	123	125	126	128	128	129	128	128	126	125	123	123
75	87.1	87.8	88.5	89.4	90.3	91.3	92.4	93.6	95.1	96.5	97.8	99.0	99.9	101	99.9	99.0	97.8	96.5	95.1	95.1
80	59.9	60.4	61.5	62.7	64.1	65.7	67.2	68.8	70.4	71.9	73.2	74.3	75.2	75.7	75.2	74.3	73.2	71.9	70.4	70.4
85	28.4	29.4	30.9	32.5	34.0	35.4	36.7	37.7	37.4	36.9	36.3	35.6	34.9	34.3	34.9	35.6	36.3	36.9	37.4	37.4
90	0.49	0.42	0.36	0.30	0.25	0.21	0.17	0.14	0.12	0.11	0.10	0.10	0.10	0.11	0.10	0.10	0.10	0.11	0.12	0.12

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--7

UNIT: X10cd

γ (DEG) \ C (DEG)	285	287.5	290	292.5	295	297.5	300	302.5	305	307.5	310	312.5	315	317.5	320	322.5	325	327.5	330
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	980	981	983	985	987	989	992	995	998	1001	1004	1008	1011	1015	1019	1023	1027	1031	1036
10	869	872	876	880	885	890	895	901	907	914	921	928	936	944	952	960	969	978	987
15	766	770	776	782	789	796	804	813	823	833	844	855	867	879	892	905	918	931	945
20	674	681	688	696	705	715	725	737	749	763	777	791	807	823	839	856	874	892	910
25	599	606	615	625	635	647	660	674	689	704	721	739	757	776	796	816	837	859	881
30	529	538	549	560	573	587	602	618	636	654	673	694	715	736	759	782	805	830	855
35	452	463	475	488	503	519	537	556	577	599	622	645	670	695	721	747	774	801	829
40	364	375	388	402	418	436	455	477	500	525	551	579	607	637	668	699	731	763	796
45	275	283	294	305	319	335	354	376	400	427	455	485	518	552	588	625	663	701	740
50	211	215	219	225	233	244	256	273	292	314	339	367	399	436	476	518	562	608	655
55	179	178	179	180	182	186	192	198	207	219	234	253	277	309	346	387	432	480	532
60	159	158	157	156	156	157	158	158	159	162	167	177	190	209	232	261	295	335	381
65	141	139	138	136	135	134	134	132	132	132	134	137	143	147	154	166	184	209	242
70	122	120	118	116	114	112	111	110	109	109	109	110	112	108	105	106	113	126	147
75	93.6	92.4	91.3	90.3	89.4	88.5	87.8	87.1	86.5	86.1	85.9	86.1	86.6	83.3	81.2	80.9	83.3	89.1	99.1
80	68.8	67.2	65.7	64.1	62.7	61.5	60.4	59.9	59.7	59.6	59.8	60.0	60.5	60.2	60.2	60.6	61.4	62.9	65.1
85	37.7	36.7	35.4	34.0	32.5	30.9	29.4	28.4	27.6	26.8	26.2	25.7	25.3	24.6	24.1	23.8	23.8	24.2	25.0
90	0.14	0.17	0.21	0.25	0.30	0.36	0.42	0.49	0.57	0.65	0.73	0.82	0.91	0.99	1.08	1.17	1.24	1.32	1.38

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--8

UNIT: X10cd

C (DEG) \ γ (DEG)	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5										
0	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089										
5	1040	1045	1049	1054	1059	1064	1069	1073	1078	1083	1088										
10	997	1006	1016	1026	1036	1045	1055	1065	1074	1084	1094										
15	960	974	989	1004	1019	1034	1048	1063	1077	1092	1106										
20	929	948	968	988	1007	1027	1046	1066	1085	1104	1122										
25	904	927	951	975	999	1023	1047	1071	1094	1118	1141										
30	881	908	935	963	991	1019	1047	1075	1103	1130	1158										
35	858	888	918	949	980	1012	1044	1076	1107	1139	1171										
40	829	862	896	930	964	999	1035	1071	1107	1143	1179										
45	779	819	859	899	939	980	1021	1061	1102	1142	1181										
50	702	751	800	849	898	948	996	1043	1090	1136	1181										
55	587	645	705	766	828	891	950	1008	1066	1123	1178										
60	442	507	578	651	728	805	879	953	1027	1100	1171										
65	298	362	433	511	595	684	773	866	960	1056	1152										
70	186	234	292	361	439	529	639	758	884	1016	1153										
75	108	123	147	181	228	288	389	503	628	761	900										
80	62.6	62.0	64.5	71.1	82.9	101	142	189	240	293	347										
85	27.3	30.0	32.9	36.0	39.1	42.1	44.7	46.9	48.8	50.2	50.9										
90	1.46	1.52	1.56	1.59	1.59	1.56	1.43	1.28	1.11	0.93	0.74										

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 2.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Temperature:25.3°C	Humidity:65.0%
Operators:LYJ	Test Distance:26.000m [K=0.0446]
Test Date:2022-05-04	Remarks: