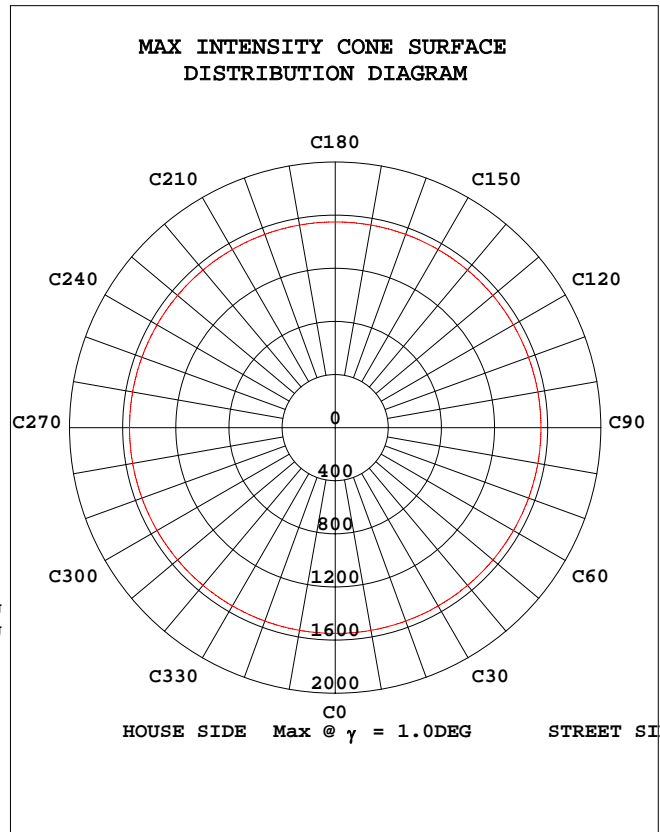
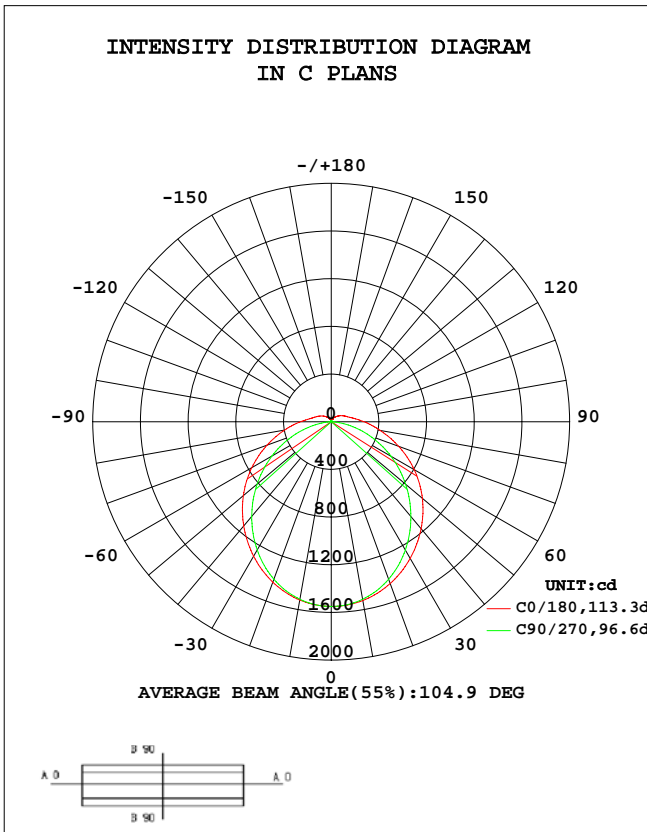


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm		
NAME: ASD-LVP3SM-4N3850-EM-PRM	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.83 lm/W			
MODEL-LVP3SM-4N3850-EM-PRM		I _{max} (cd)	1550	η street_up(%)	3.8
NOMINAL POWER(W)	38	LOR(%)	100.0	η street_down(%)	46.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5006	η house_up(%)	3.8
NOMINAL FLUX(lm)	5005.56	MAXIMUM @(C,γ)	225,1.0	η house_down(%)	46.5
LAMPS INSIDE	1	η up(%)	7.6	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120.3	η down(%)	92.4	SLI	21.238



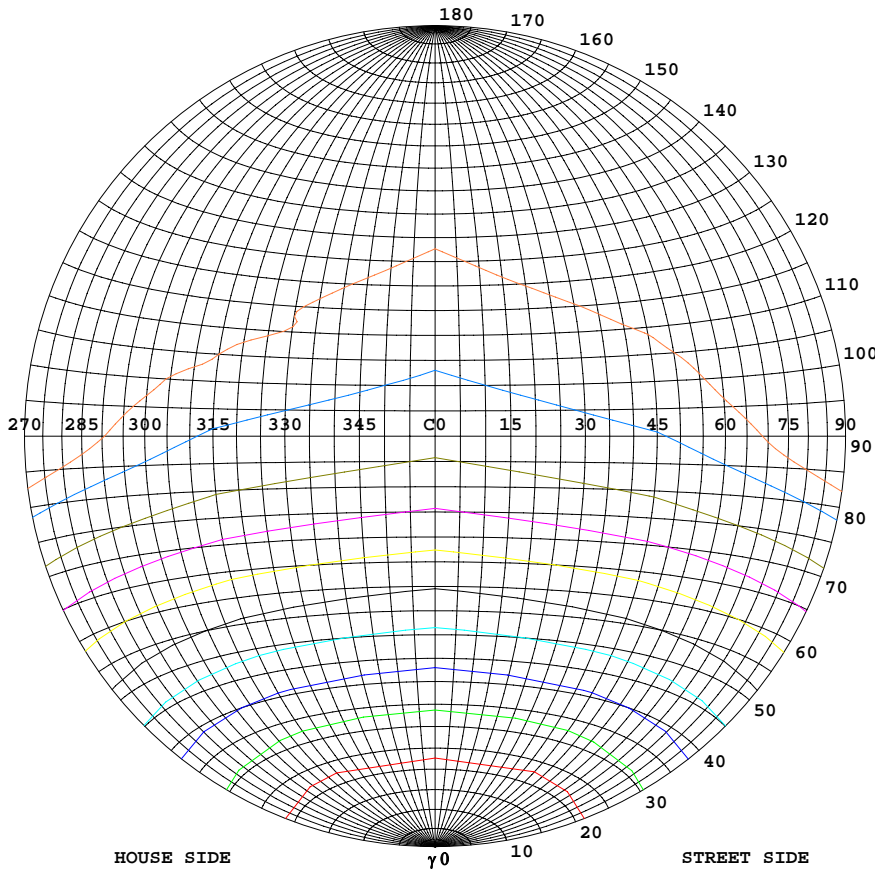
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators:
 Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 70%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm		
NAME: ASD-LVP3SM-4N3850-EM-PRM	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



Classification:

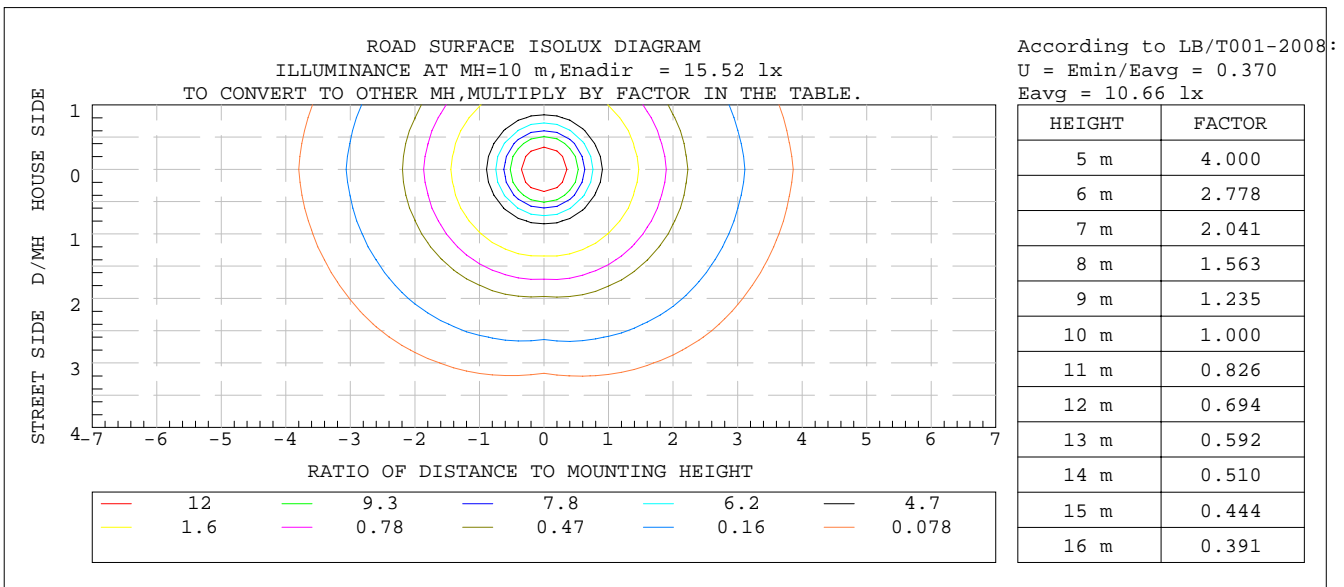
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:82.99cd/klm
 Max.At90:55.07cd/klm
 Max.80-90:82.99cd/klm
 NRB 5101:Limited[9.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1550
90%	1395
80%	1240
70%	1085
60%	930
50%	775
40%	620
30%	465
20%	310
10%	155
5%	77

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:
 Test Date:2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:70%
 Test Distance:9.000m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 26DEG
Operators:
Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 70%
Test Distance: 9.000m [K=1.000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm		
NAME: ASD-LVP3SM-4N3850-EM-PRM	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

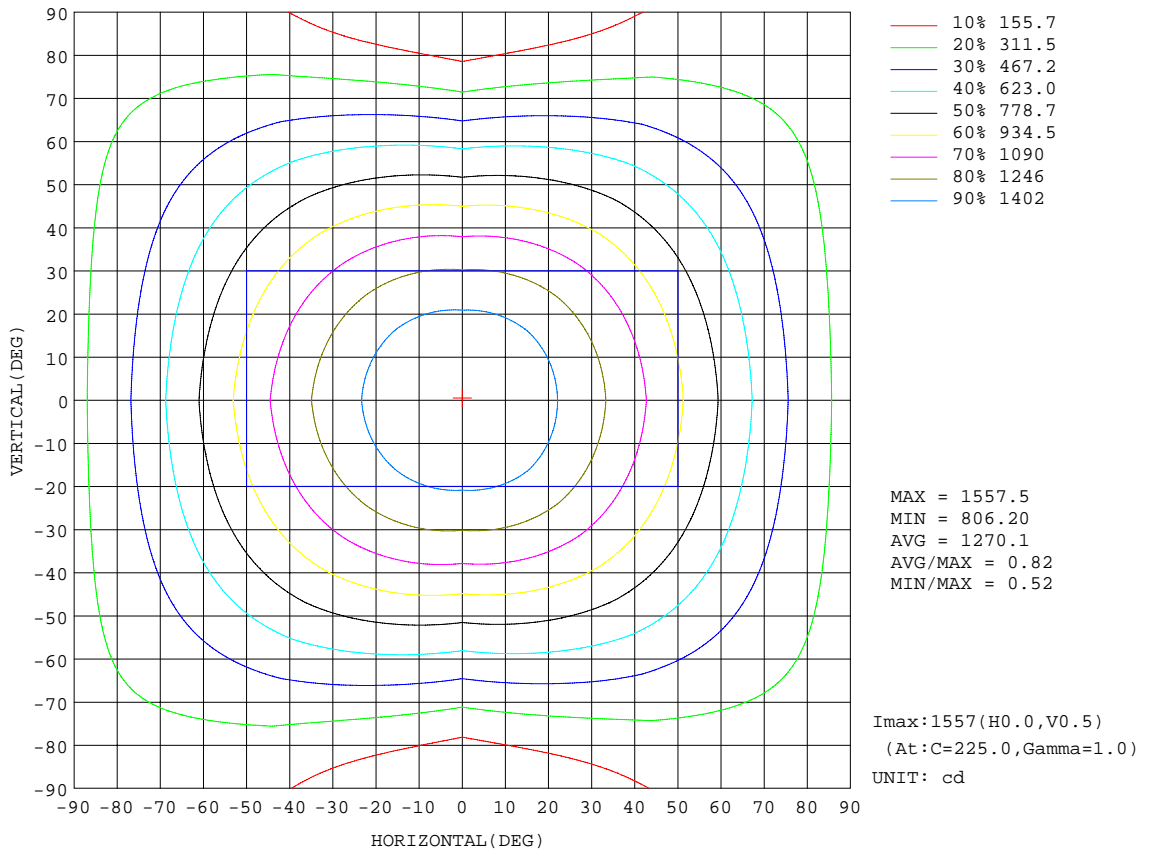
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1519	1520	1513	1519	1523	1519	1513	1519	0- 10	146.4	146.4	2.92,2.92
20	1433	1427	1406	1431	1445	1429	1407	1428	10- 20	417.1	563.6	11.3,11.3
30	1303	1282	1243	1291	1324	1287	1243	1283	20- 30	626.3	1190	23.8,23.8
40	1142	1100	1038	1114	1173	1110	1040	1103	30- 40	748.0	1938	38.7,38.7
50	962.5	899.3	810.9	917.1	998.0	912.1	813.8	902.4	40- 50	774.8	2713	54.2,54.2
60	769.4	689.3	573.9	708.4	803.7	704.2	579.1	694.2	50- 60	712.7	3425	68.4,68.4
70	572.1	478.9	336.6	497.4	601.2	495.1	342.8	486.3	60- 70	576.9	4002	80,80
80	395.8	290.6	117.6	307.0	415.4	305.5	125.7	299.5	70- 80	396.7	4399	87.9,87.9
90	258.6	161.5	1.451	177.0	275.7	173.3	1.528	167.6	80- 90	227.9	4627	92.4,92.4
100	171.1	101.9	1.992	111.9	183.3	107.5	2.058	102.0	90-100	132.1	4759	95.1,95.1
110	129.0	73.66	3.248	82.66	133.6	79.72	2.829	56.33	100-110	87.56	4847	96.8,96.8
120	97.95	49.51	4.860	61.35	103.4	60.03	4.085	48.31	110-120	61.40	4908	98.1,98.1
130	72.23	33.18	6.277	46.38	75.86	45.53	5.404	31.07	120-130	41.50	4949	98.9,98.9
140	50.58	21.87	7.420	35.05	53.93	34.38	6.651	20.42	130-140	26.28	4976	99.4,99.4
150	33.36	15.03	9.217	26.95	36.38	26.65	8.832	13.82	140-150	15.66	4991	99.7,99.7
160	21.10	12.47	10.76	20.51	24.87	20.55	10.38	11.93	150-160	8.725	5000	99.9,99.9
170	13.80	11.53	11.84	14.94	16.24	15.14	11.57	10.90	160-170	4.245	5004	100,100
180	9.340	12.23	12.43	11.85	9.348	12.23	12.43	11.84	170-180	1.181	5006	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:
 Test Date:2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:70%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

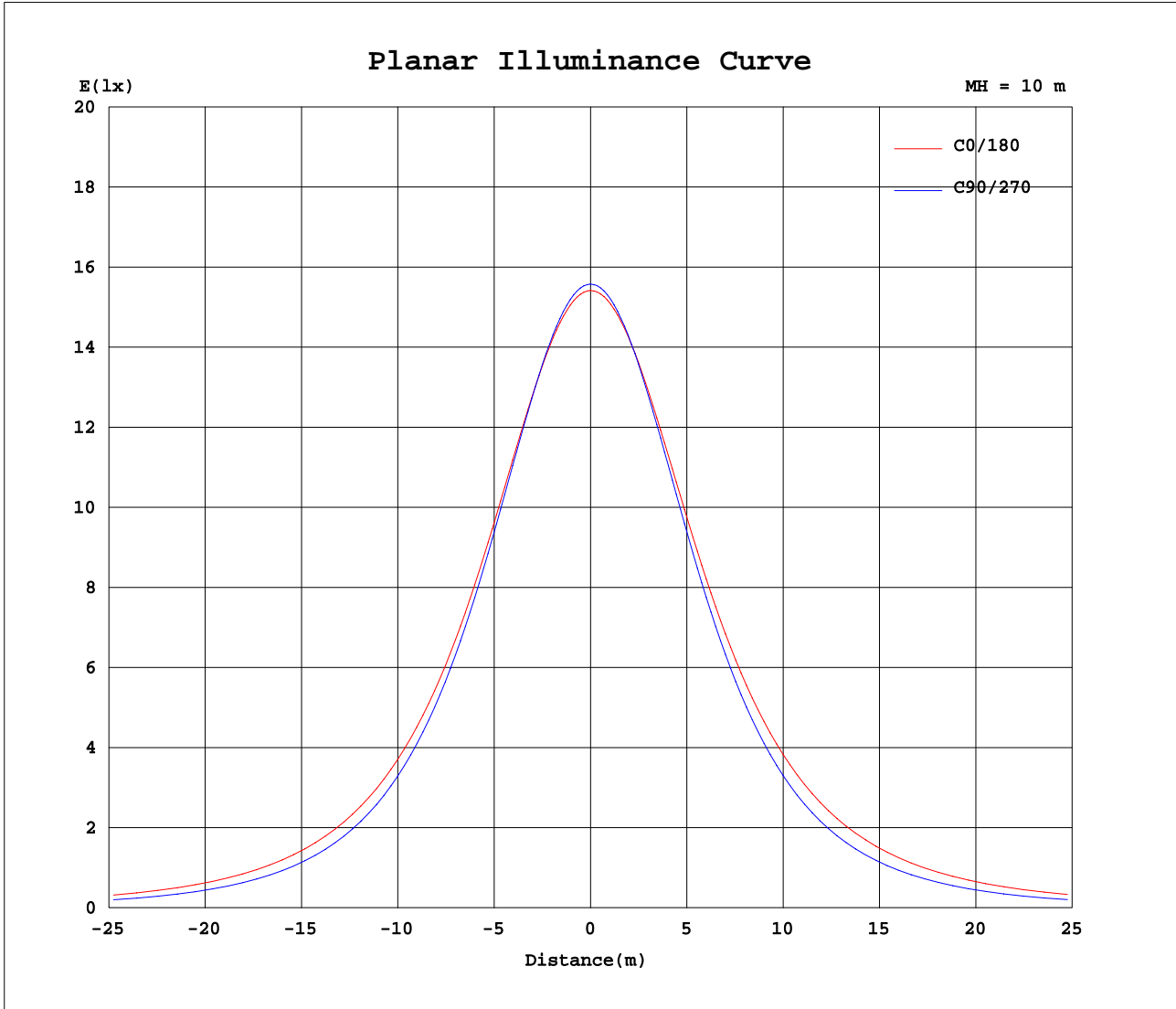
Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm		
NAME: ASD-LVP3SM-4N3850-EM-PRM	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators:
 Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 70%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators:
 Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 70%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm		
NAME: ASD-LVP3SM-4N3850-EM-PRM	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG)\γ (DEG)	0	45	90	135	180	225	270	315											
0	1550	1550	1550	1550	1550	1550	1550	1550											
5	1541	1543	1540	1542	1543	1542	1540	1542											
10	1519	1520	1513	1519	1523	1519	1513	1519											
15	1482	1481	1468	1482	1490	1481	1468	1481											
20	1433	1427	1406	1431	1445	1429	1407	1428											
25	1372	1360	1331	1367	1390	1364	1331	1361											
30	1303	1282	1243	1291	1324	1287	1243	1283											
35	1225	1195	1144	1206	1252	1202	1145	1196											
40	1142	1100	1038	1114	1173	1110	1040	1103											
45	1055	1002	927	1018	1088	1013	929	1004											
50	962	899	811	917	998	912	814	902											
55	868	795	693	814	903	809	697	799											
60	769	689	574	708	804	704	579	694											
65	670	584	455	603	702	599	459	590											
70	572	479	337	497	601	495	343	486											
75	480	379	222	397	505	396	230	388											
80	396	291	118	307	415	306	126	299											
85	322	218	35.0	233	340	230	41.2	225											
90	259	161	1.45	177	276	173	1.53	168											
95	208	123	1.38	137	224	134	1.49	128											
100	171	102	1.99	112	183	108	2.06	102											
105	147	87.0	2.56	95.7	153	92.1	2.33	77.6											
110	129	73.7	3.25	82.7	134	79.7	2.83	56.3											
115	113	62.1	4.03	70.4	118	69.1	3.44	57.0											
120	97.9	49.5	4.86	61.3	103	60.0	4.08	48.3											
125	84.6	40.1	5.61	53.2	89.5	52.3	4.75	38.4											
130	72.2	33.2	6.28	46.4	75.9	45.5	5.40	31.1											
135	60.9	26.9	6.88	40.3	64.4	39.6	5.98	24.6											
140	50.6	21.9	7.42	35.0	53.9	34.4	6.65	20.4											
145	41.3	18.1	8.38	30.5	44.5	30.1	8.04	16.7											
150	33.4	15.0	9.22	26.9	36.4	26.7	8.83	13.8											
155	26.6	13.3	10.1	23.5	30.2	23.4	9.63	12.6											
160	21.1	12.5	10.8	20.5	24.9	20.5	10.4	11.9											
165	16.8	11.9	11.3	17.6	20.2	18.0	11.0	11.2											
170	13.8	11.5	11.8	14.9	16.2	15.1	11.6	10.9											
175	10.9	11.4	12.2	13.1	10.4	13.3	12.1	11.1											
180	9.34	12.2	12.4	11.9	9.35	12.2	12.4	11.8											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
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 Remarks: