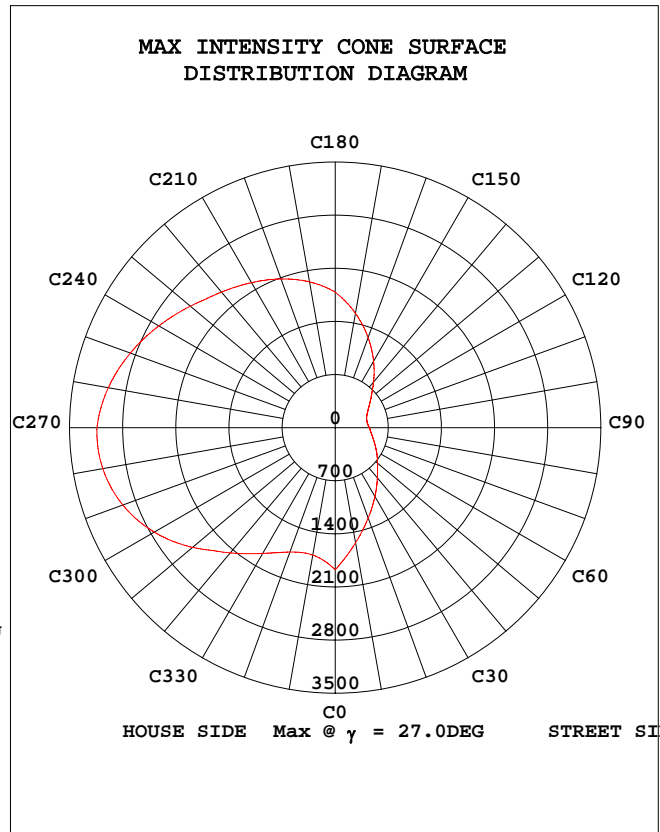
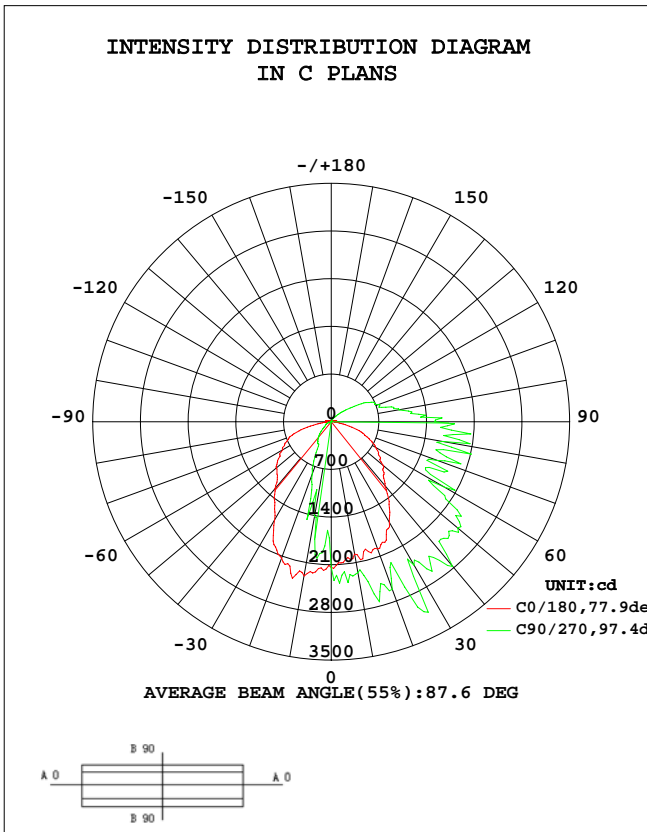


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:232.7V I:0.2596A P:57.80W PF:0.9566 Lamp Flux:7044.09x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.87 lm/W			
MODEL	WPGR060PC	I _{max} (cd)	3139	η street_up(%)	0.6
NOMINAL POWER(W)	58	LOR(%)	100.0	η street_down(%)	18.3
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	7044	η house_up(%)	13.5
NOMINAL FLUX(lm)	7044.09	MAXIMUM @(C,γ)	270,27.0	η house_down(%)	67.6
LAMPS INSIDE	1	η up(%)	14.1	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	232.7	η down(%)	85.9	SLI	20.916



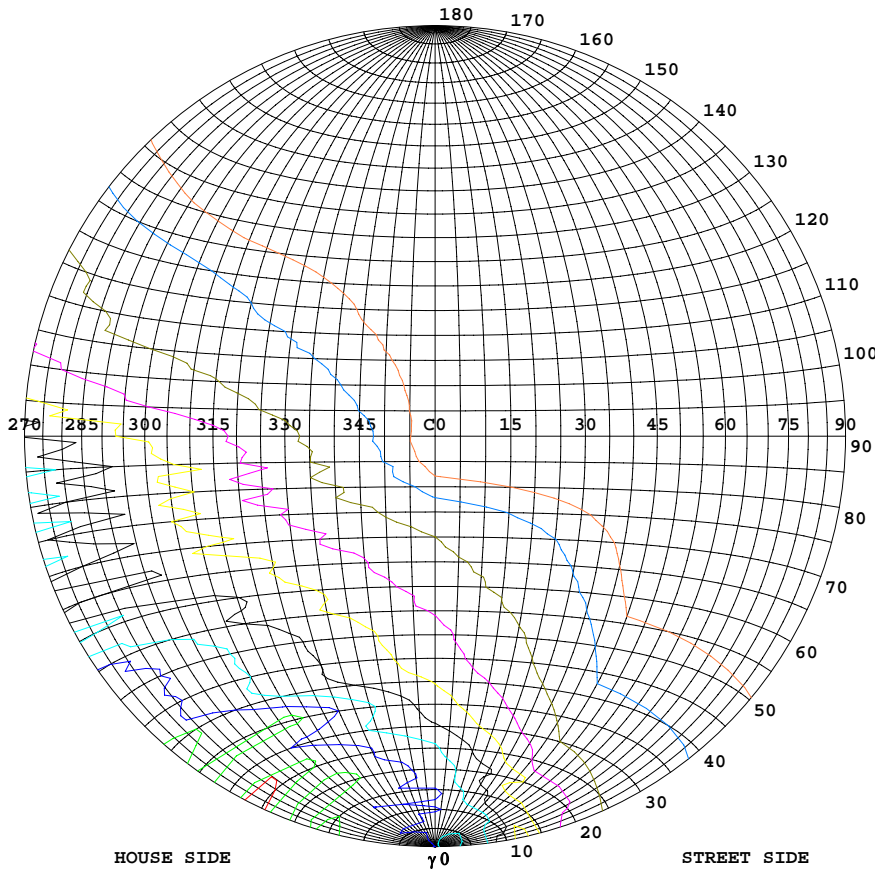
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:32DEG
 Operators:01
 Test Date:2018-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9684]
 Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:232.7V I:0.2596A P:57.80W PF:0.9566 Lamp Flux:7044.09x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



Classification:

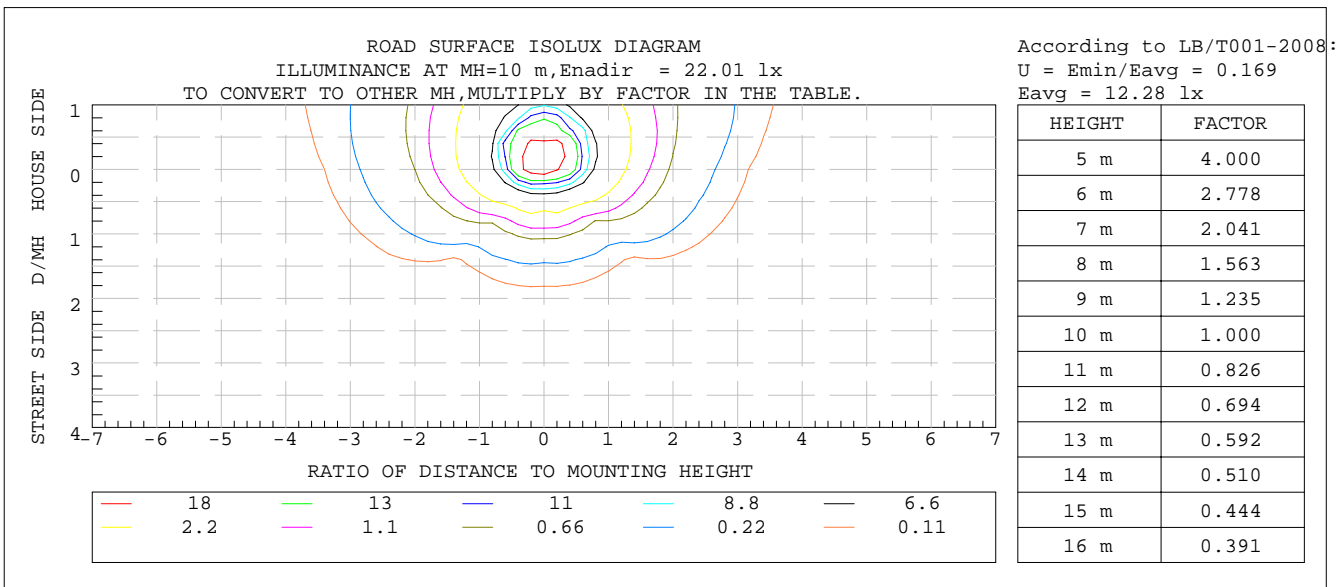
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:236.4cd/klm
 Max.At90:215.2cd/klm
 Max.80-90:292.8cd/klm
 NRB 5101:Semi limited[18.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3139
90%	2825
80%	2511
70%	2198
60%	1884
50%	1570
40%	1256
30%	942
20%	628
10%	314
5%	157

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:32DEG
 Operators:01
 Test Date:2018-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9684]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 32DEG
Operators: 01
Test Date: 2018-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: %
Test Distance: 9.190m [K=0.9684]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:232.7V I:0.2596A P:57.80W PF:0.9566 Lamp Flux:7044.09x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

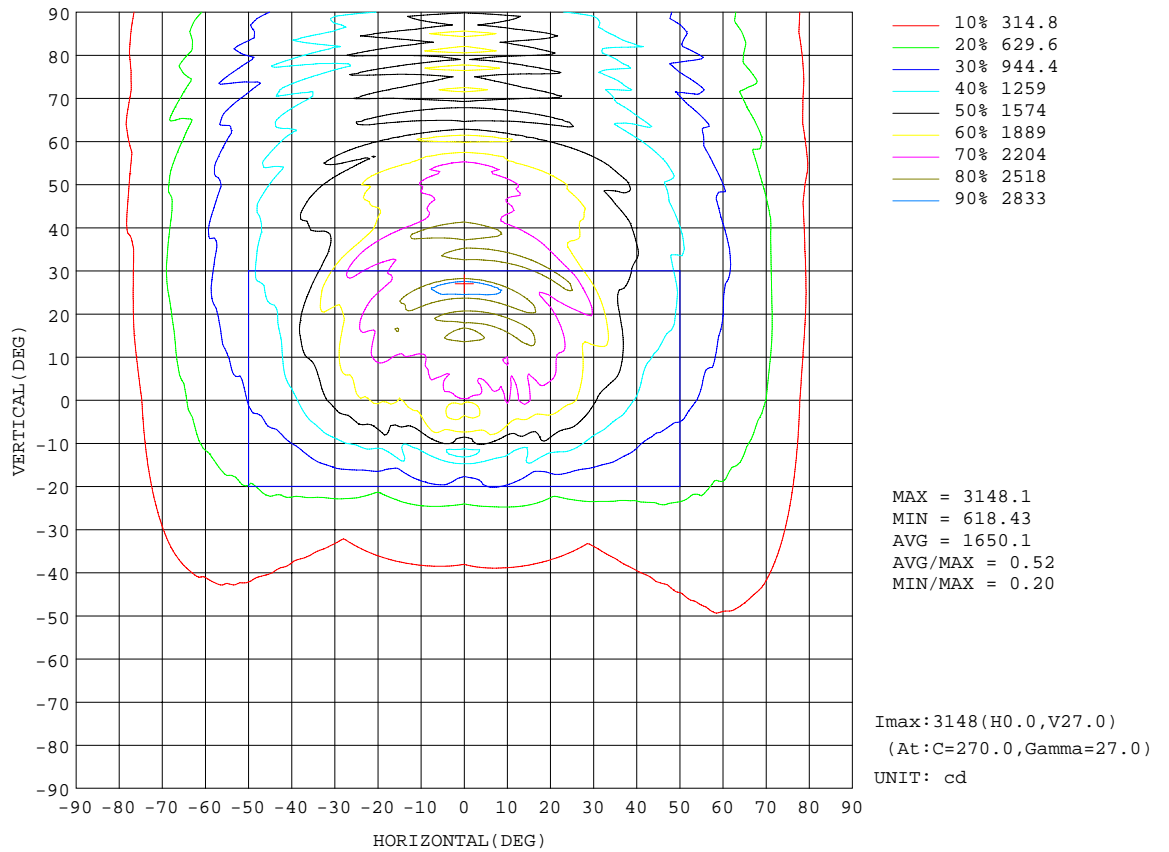
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2298	2039	1413	1832	1973	2340	2250	2125	0- 10	196.7	196.7	2.79,2.79
20	2132	1274	823.4	1195	1986	2468	2618	2479	10- 20	529.4	726.1	10.3,10.3
30	1667	645.0	373.2	564.5	1709	2418	2432	2037	20- 30	773.7	1500	21.3,21.3
40	1283	366.3	288.3	319.7	1231	2242	2772	1800	30- 40	871.9	2372	33.7,33.7
50	1055	229.5	160.2	192.9	995.8	1639	2424	1690	40- 50	860.8	3233	45.9,45.9
60	820.8	128.5	97.48	110.3	750.3	1515	1929	1499	50- 60	845.6	4078	57.9,57.9
70	648.8	69.28	48.31	56.10	493.5	1283	1664	1156	60- 70	747.8	4826	68.5,68.5
80	234.7	22.61	3.493	14.89	150.3	1133	1665	1147	70- 80	654.7	5481	77.8,77.8
90	57.19	16.68	4.399	10.62	47.08	970.0	1516	959.6	80- 90	570.2	6051	85.9,85.9
100	82.40	8.082	4.797	5.495	71.48	613.7	1010	605.2	90-100	416.8	6468	91.8,91.8
110	59.71	4.878	5.074	4.061	49.28	366.1	741.3	403.6	100-110	261.9	6730	95.5,95.5
120	35.54	4.455	5.646	4.417	31.22	239.7	554.4	260.5	110-120	174.6	6904	98,98
130	16.13	5.010	6.289	5.219	14.90	90.51	255.3	105.9	120-130	89.72	6994	99.3,99.3
140	4.206	5.735	6.925	6.073	4.128	31.79	114.1	37.31	130-140	33.09	7027	99.8,99.8
150	4.130	6.363	7.401	6.633	4.386	2.521	54.36	4.475	140-150	11.45	7038	99.9,99.9
160	4.944	6.755	7.536	7.079	5.142	3.629	3.106	3.842	150-160	3.587	7042	100,100
170	5.701	6.836	7.378	7.124	5.825	4.951	4.696	5.142	160-170	1.584	7044	100,100
180	6.105	6.281	6.321	6.398	6.129	6.273	6.337	6.375	170-180	0.5831	7044	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:32DEG
 Operators:01
 Test Date:2018-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=0.9684]
 Remarks:

ISOCANDELA DIAGRAM

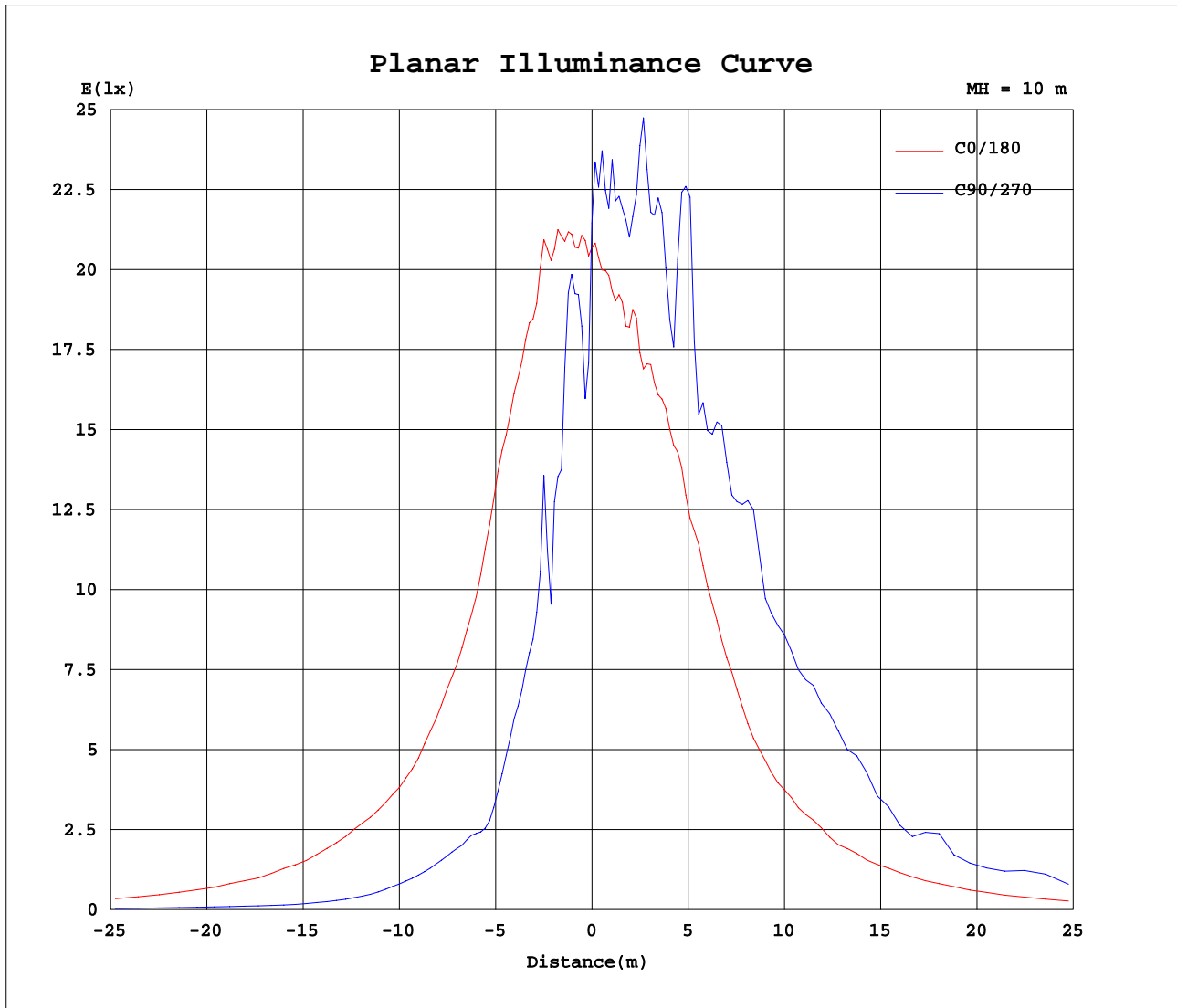
Test:U:232.7V I:0.2596A P:57.80W PF:0.9566 Lamp Flux:7044.09x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 01
 Test Date: 2018-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9684]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 32DEG
 Operators: 01
 Test Date: 2018-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=0.9684]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:232.7V I:0.2596A P:57.80W PF:0.9566 Lamp Flux:7044.09x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	2138	2138	2138	2138	2138	2138	2138	2138										
5	2163	1937	1942	1755	2072	2439	2211	2103										
10	2298	2039	1413	1832	1973	2340	2250	2125										
15	2303	1365	1171	1232	1937	2256	2738	2104										
20	2132	1274	823	1195	1986	2468	2618	2479										
25	1992	836	569	767	1917	2415	3003	2303										
30	1667	645	373	564	1709	2418	2432	2037										
35	1444	500	347	431	1479	2091	2536	2460										
40	1283	366	288	320	1231	2242	2772	1800										
45	1116	291	228	255	1094	1650	2422	1723										
50	1055	230	160	193	996	1639	2424	1690										
55	947	174	119	149	850	1681	2260	1484										
60	821	129	97.5	110	750	1515	1929	1499										
65	749	95.2	86.2	86.2	621	1366	1588	1336										
70	649	69.3	48.3	56.1	493	1283	1664	1156										
75	461	39.8	5.54	26.7	316	1209	1593	1091										
80	235	22.6	3.49	14.9	150	1133	1665	1147										
85	91.8	18.3	4.00	13.0	61.5	1188	2057	1011										
90	57.2	16.7	4.40	10.6	47.1	970	1516	960										
95	80.7	11.7	4.69	7.38	69.8	779	1292	737										
100	82.4	8.08	4.80	5.50	71.5	614	1010	605										
105	73.2	6.10	4.88	4.51	61.8	456	832	490										
110	59.7	4.88	5.07	4.06	49.3	366	741	404										
115	45.8	4.45	5.38	4.14	38.7	311	682	330										
120	35.5	4.45	5.65	4.42	31.2	240	554	261										
125	26.7	4.68	5.99	4.79	24.6	156	371	177										
130	16.1	5.01	6.29	5.22	14.9	90.5	255	106										
135	7.63	5.38	6.58	5.68	7.10	55.1	177	63.0										
140	4.21	5.74	6.92	6.07	4.13	31.8	114	37.3										
145	3.72	6.06	7.20	6.37	4.01	13.0	79.6	18.8										
150	4.13	6.36	7.40	6.63	4.39	2.52	54.4	4.47										
155	4.54	6.57	7.52	6.92	4.77	3.02	21.7	3.21										
160	4.94	6.75	7.54	7.08	5.14	3.63	3.11	3.84										
165	5.35	6.88	7.51	7.13	5.53	4.26	3.87	4.50										
170	5.70	6.84	7.38	7.12	5.82	4.95	4.70	5.14										
175	5.96	6.62	6.93	6.80	6.04	5.63	5.53	5.85										
180	6.10	6.28	6.32	6.40	6.13	6.27	6.34	6.38										

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
 Humidity: %
 Test Distance: 9.190m [K=0.9684]
 Remarks: