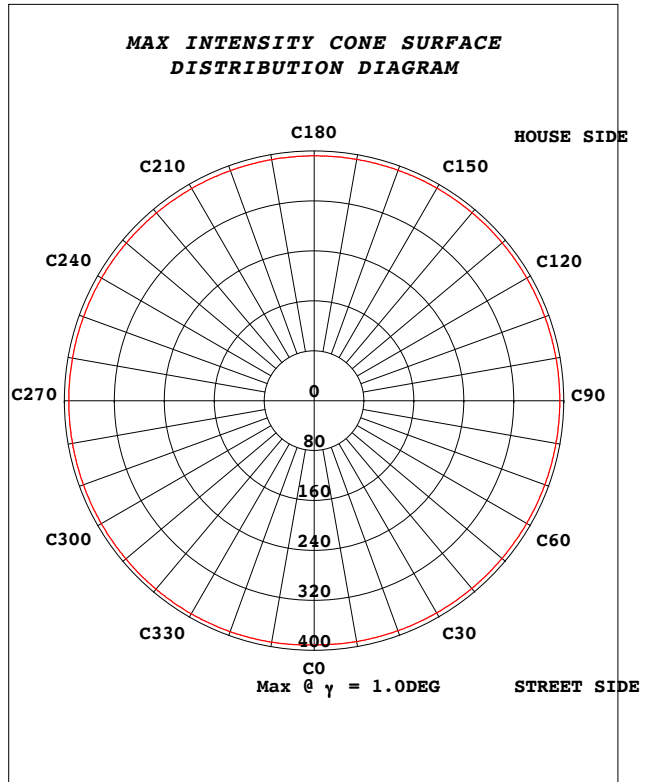
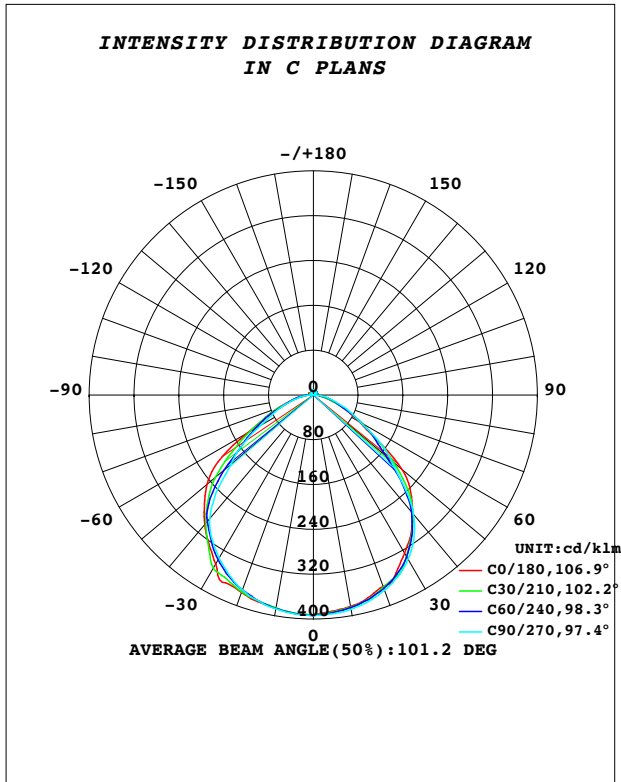


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:0W PF:0 Lamp Flux:3058.42x1 lm		
NAME: SWL-20 PRO	TYPE:LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd/klm)	394.1	η street_up(%)	2.1
NOMINAL POWER(W)	0	LOR(%)	100.0	η street_down(%)	54.2
RATED VOLTAGE(V)	0	TOTAL FLUX(lm/klm)	1000.0	η house_up(%)	1.6
NOMINAL FLUX(lm)	3058.42	MAXIMUM @(C, γ)	330,1.0	η house_down(%)	42.1
LAMPS INSIDE	1	η up(%)	3.7	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	0	η down(%)	96.3	SLI	



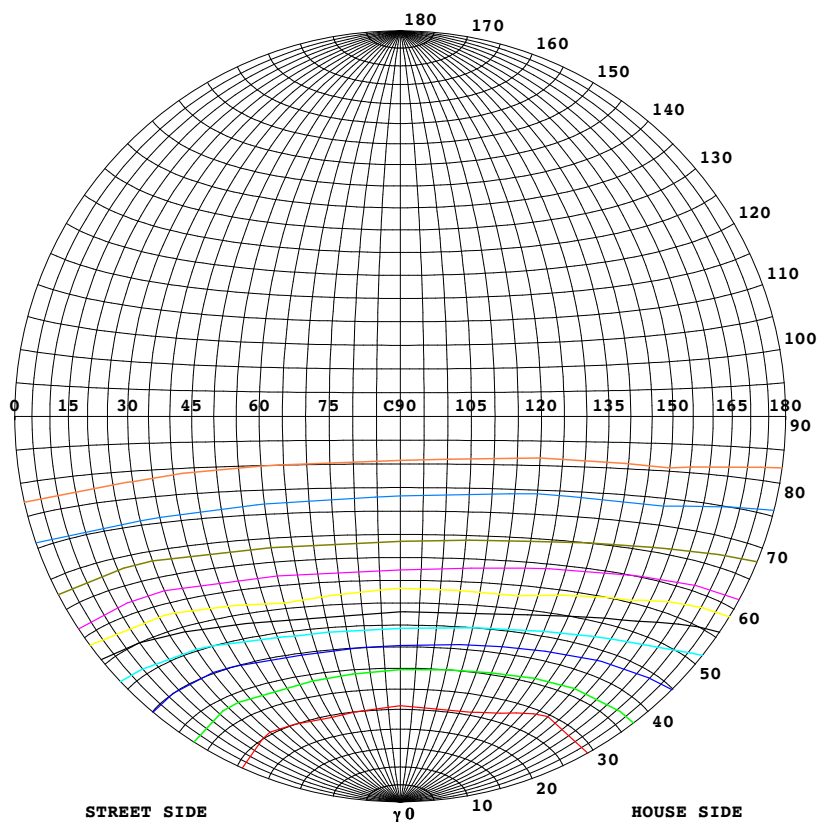
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kai
Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:0V I:0A P:0W PF:0 Lamp Flux:3058.42x1 lm		
NAME: SWL-20 PRO	TYPE:LED	
MFR.:		



Classification:

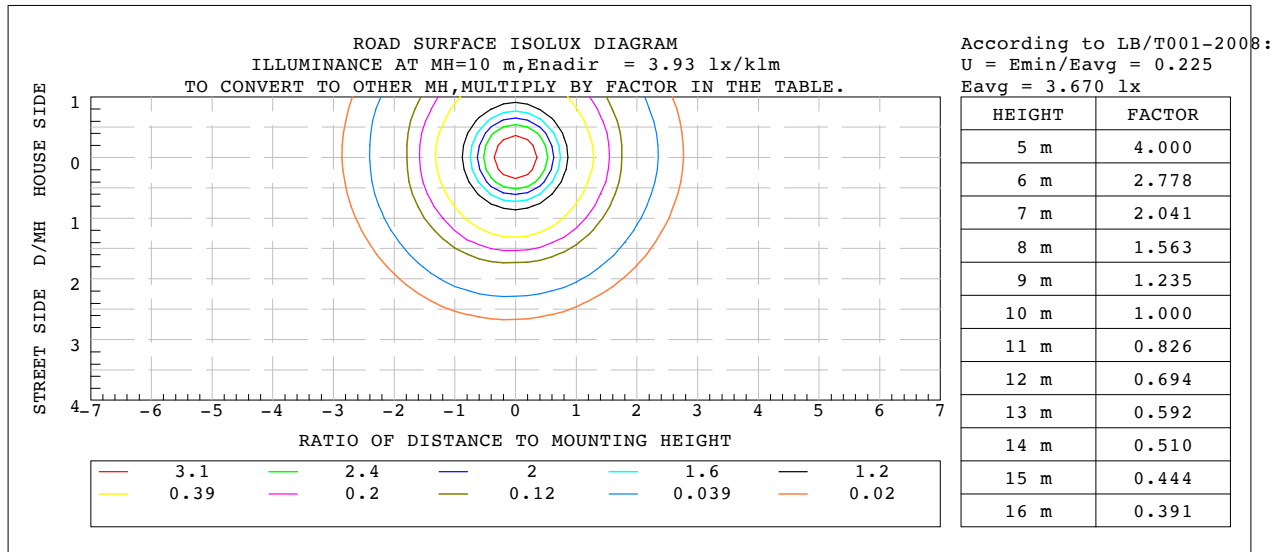
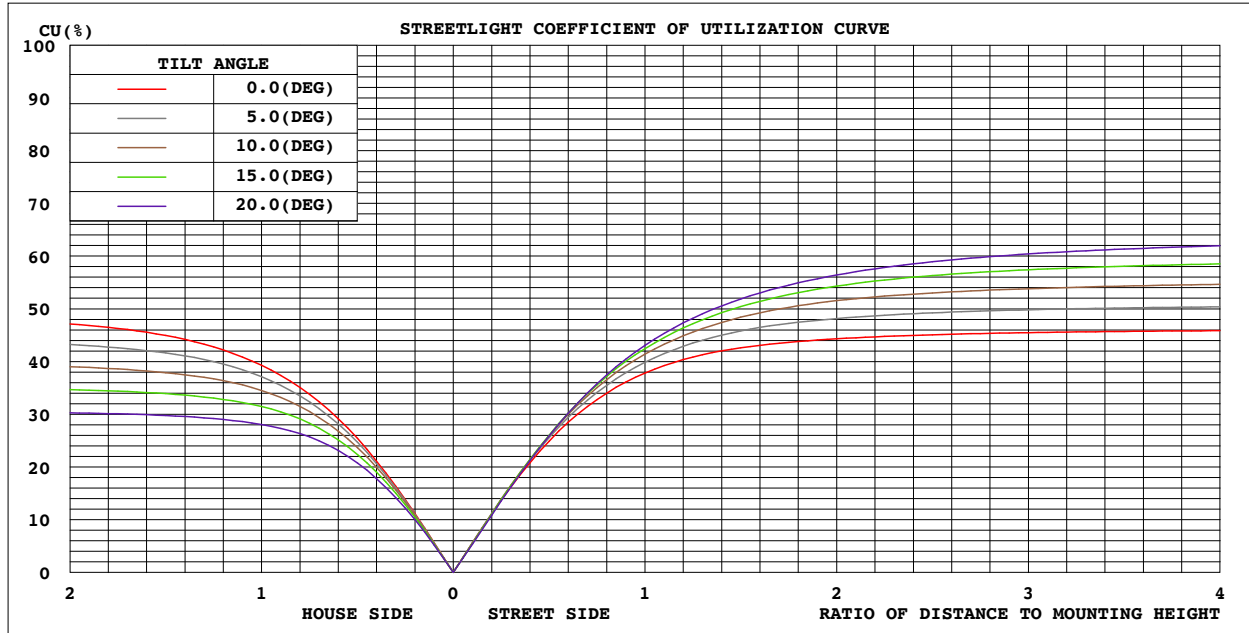
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
 Max.At80:30.00cd/klm
 Max.At90:8.896cd/klm
 Max.80-90:30.00cd/klm
 NRB 5101:Limited[3.7%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
Imax=100%	394
— 90%	355
— 80%	315
— 70%	276
— 60%	236
— 50%	197
— 40%	158
— 30%	118
— 20%	79
— 10%	39
— 5%	20

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kai
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Kai
Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:0V I:0A P:0W PF:0 Lamp Flux:3058.42x1 lm		
NAME: SWL-20 PRO	TYPE:LED	
MFR.:		

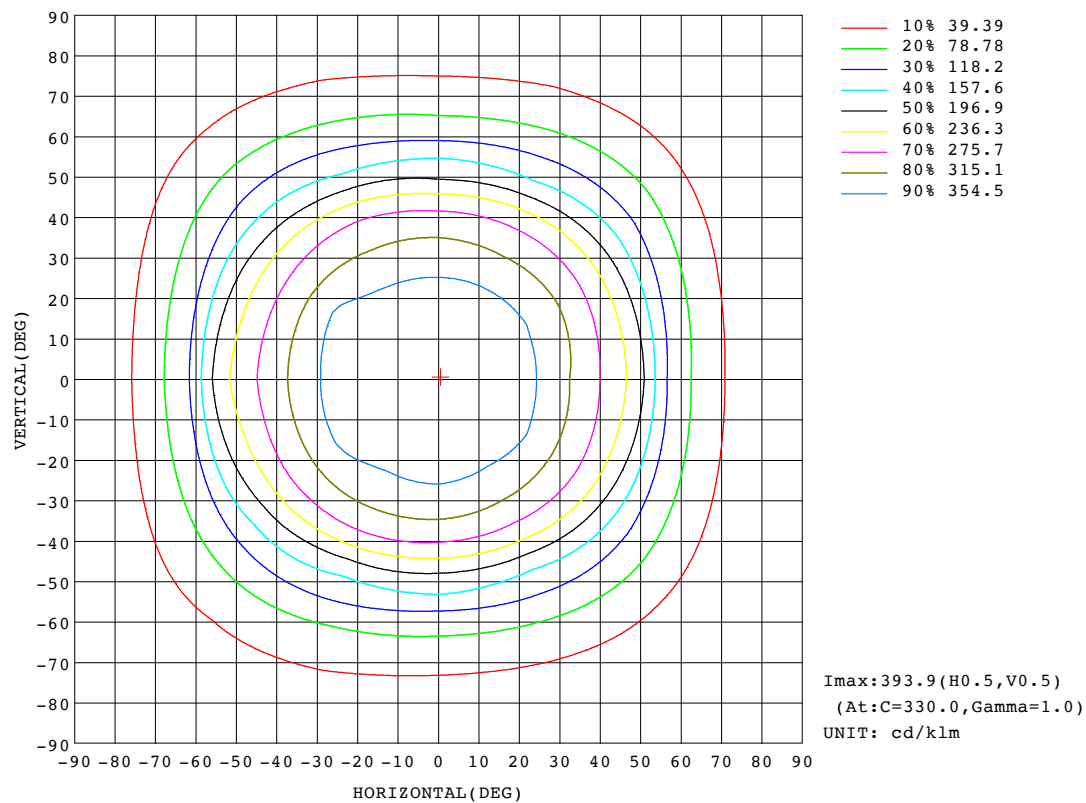
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	383.2	384.9	388.4	386.9	386.2	386.4	387.3	386.5	0- 10	37.15	37.15	3.72,3.72
20	363.4	366.2	370.6	371.8	375.4	372.2	370.4	368.9	10- 20	107.2	144.4	14.4,14.4
30	325.7	332.5	338.0	346.7	348.9	348.6	336.2	336.8	20- 30	164.8	309.1	30.9,30.9
40	275.1	274.8	278.0	291.1	301.6	296.4	287.9	282.3	30- 40	196.7	505.8	50.6,50.6
50	207.4	177.9	181.8	196.6	247.5	217.9	192.4	194.1	40- 50	189.7	695.5	69.5,69.5
60	92.86	98.73	96.41	113.7	137.7	126.3	108.4	109.5	50- 60	137.5	833.0	83.3,83.3
70	43.13	44.23	51.00	53.20	65.63	62.08	58.37	51.41	60- 70	78.78	911.7	91.2,91.2
80	13.46	17.79	21.61	22.34	26.46	27.66	26.32	22.60	70- 80	38.21	949.9	95,95
90	5.505	3.891	1.640	4.220	8.896	7.019	2.619	4.935	80- 90	13.34	963.3	96.3,96.3
100	5.564	4.150	2.323	3.903	6.231	4.664	2.964	4.771	90-100	4.679	968.0	96.8,96.8
110	6.976	5.127	3.212	4.656	7.261	5.274	3.782	5.408	100-110	5.020	973.0	97.3,97.3
120	6.038	5.173	4.239	5.114	6.917	5.754	4.733	5.709	110-120	5.385	978.4	97.8,97.8
130	6.571	6.056	5.314	5.838	6.851	6.302	5.705	6.414	120-130	5.153	983.5	98.4,98.4
140	7.351	6.925	6.274	6.831	7.460	7.141	6.539	7.205	130-140	5.098	988.6	98.9,98.9
150	7.849	7.544	7.104	7.431	7.930	7.582	7.222	7.615	140-150	4.554	993.2	99.3,99.3
160	8.426	8.122	7.888	8.142	8.442	8.170	7.870	8.104	150-160	3.624	996.8	99.7,99.7
170	8.905	8.610	8.529	8.716	8.781	8.612	8.414	8.462	160-170	2.371	999.2	99.9,99.9
180	8.966	8.940	8.852	8.874	8.946	8.945	8.859	8.873	170-180	0.8340	1000.0	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kai
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

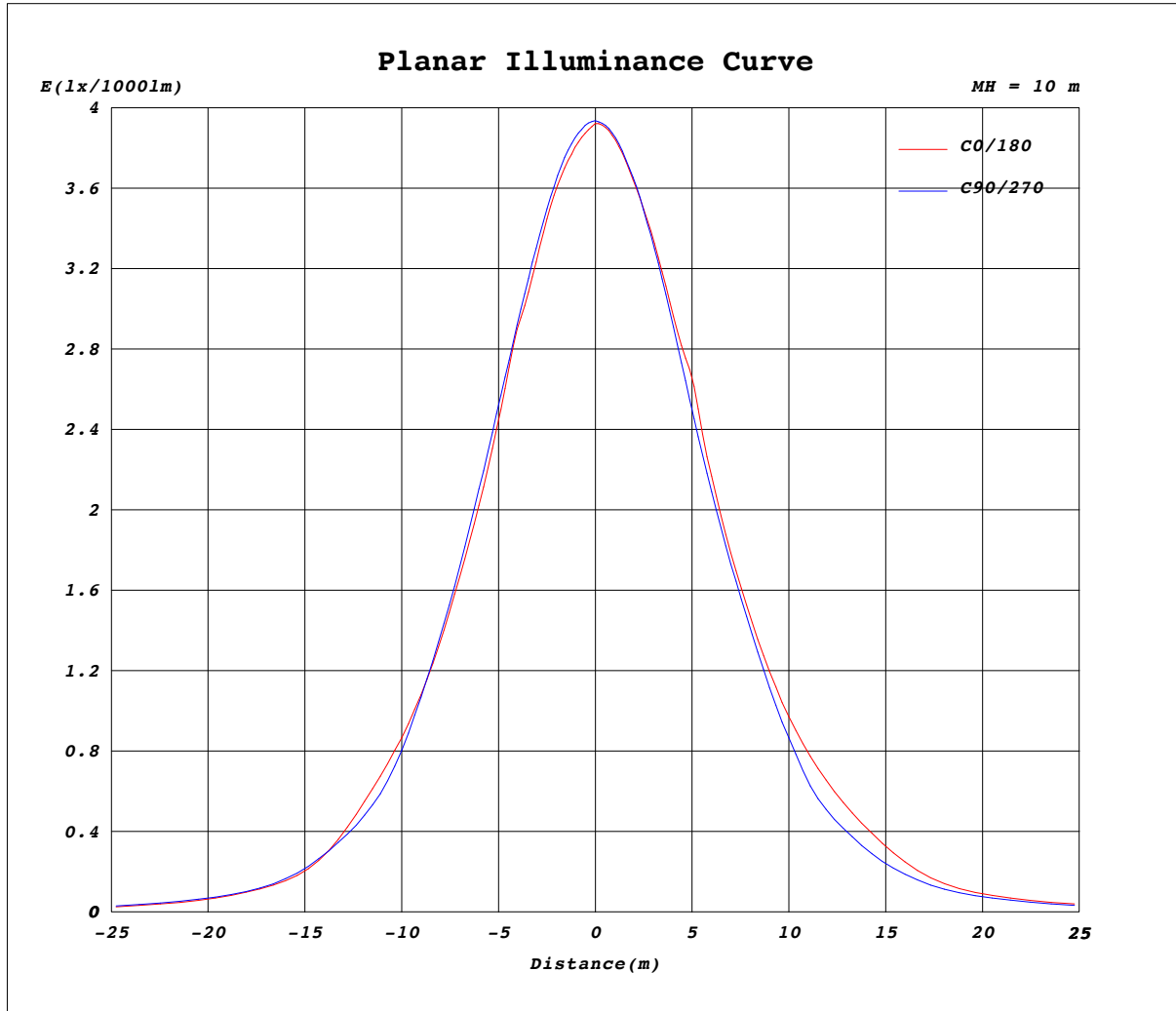
Test:U:0V I:0A P:0W PF:0 Lamp Flux:3058.42x1 lm		
NAME: SWL-20 PRO	TYPE:LED	
MFR.:		



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Kai
Test Date: 2020-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Kai
Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Lamp Flux:3058.42x1 lm		
NAME: SWL-20 PRO	TYPE:LED	
MFR.:		

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	392	393	394	394	394	394	392	393	394	394	394	394						
5	387	389	390	392	391	391	391	391	391	392	391	391						
10	383	384	385	388	388	386	386	386	387	387	386	387						
15	375	378	378	381	380	381	382	380	380	380	380	380						
20	363	365	367	371	370	374	375	374	370	370	370	368						
25	350	356	353	358	357	363	370	363	357	355	355	355						
30	326	332	333	338	340	353	349	357	340	336	335	339						
35	304	306	307	313	317	324	325	327	318	315	310	312						
40	275	277	273	278	288	295	302	299	294	288	282	282						
45	245	239	225	227	240	260	275	266	261	245	245	248						
50	207	187	169	182	182	211	247	228	208	192	189	199						
55	137	138	132	141	143	162	208	177	155	154	144	150						
60	92.9	99.2	98.2	96.4	108	119	138	132	120	108	110	109						
65	65.7	67.6	67.3	72.1	74.7	83.7	93.5	94.3	89.9	79.5	79.0	77.3						
70	43.1	42.5	45.9	51.0	52.0	54.4	65.6	65.1	59.1	58.4	53.4	49.5						
75	25.7	26.6	32.6	34.6	37.3	34.3	43.0	40.2	42.0	39.2	38.3	31.3						
80	13.5	16.2	19.4	21.6	23.7	20.9	26.5	25.3	30.0	26.3	25.6	19.6						
85	8.39	8.70	7.09	7.64	10.6	12.1	14.4	15.4	16.6	13.0	12.5	12.0						
90	5.50	4.87	2.91	1.64	2.83	5.61	8.90	8.46	5.57	2.62	3.92	5.95						
95	5.60	4.79	3.05	1.95	2.90	4.66	6.00	5.54	3.68	2.64	3.71	5.59						
100	5.56	5.05	3.25	2.32	3.09	4.71	6.23	5.49	3.84	2.96	3.86	5.68						
105	7.12	5.48	3.49	2.75	3.37	4.97	6.25	5.75	4.08	3.35	4.10	5.90						
110	6.98	6.43	3.82	3.21	3.70	5.61	7.26	6.22	4.32	3.78	4.37	6.44						
115	6.20	5.78	4.22	3.71	4.11	6.52	7.73	6.89	4.68	4.23	4.73	6.68						
120	6.04	5.65	4.70	4.24	4.58	5.65	6.92	6.41	5.10	4.73	5.13	6.28						
125	6.20	5.89	5.22	4.78	5.08	5.73	6.69	6.31	5.55	5.23	5.60	6.43						
130	6.57	6.32	5.79	5.31	5.61	6.06	6.85	6.61	5.99	5.70	6.08	6.75						
135	7.20	6.95	6.30	5.82	6.16	6.52	7.12	6.90	6.43	6.14	6.57	7.33						
140	7.35	7.16	6.69	6.27	6.58	7.08	7.46	7.43	6.85	6.54	6.90	7.51						
145	7.54	7.43	7.03	6.70	6.96	7.30	7.71	7.59	7.16	6.90	7.18	7.62						
150	7.85	7.76	7.33	7.10	7.32	7.55	7.93	7.73	7.44	7.22	7.40	7.84						
155	8.21	8.08	7.66	7.50	7.68	7.92	8.16	7.99	7.73	7.55	7.65	8.13						
160	8.43	8.26	7.99	7.89	8.04	8.24	8.44	8.29	8.05	7.87	7.93	8.28						
165	8.65	8.45	8.29	8.24	8.37	8.51	8.65	8.50	8.33	8.17	8.18	8.39						
170	8.90	8.65	8.57	8.53	8.69	8.74	8.78	8.65	8.58	8.41	8.40	8.53						
175	8.96	8.80	8.74	8.77	8.86	8.93	8.97	8.87	8.77	8.64	8.59	8.68						
180	8.97	8.97	8.91	8.85	8.86	8.88	8.95	8.99	8.90	8.86	8.86	8.89						

C Range: 0 - 360DEG
C Interval: 30.0DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks: