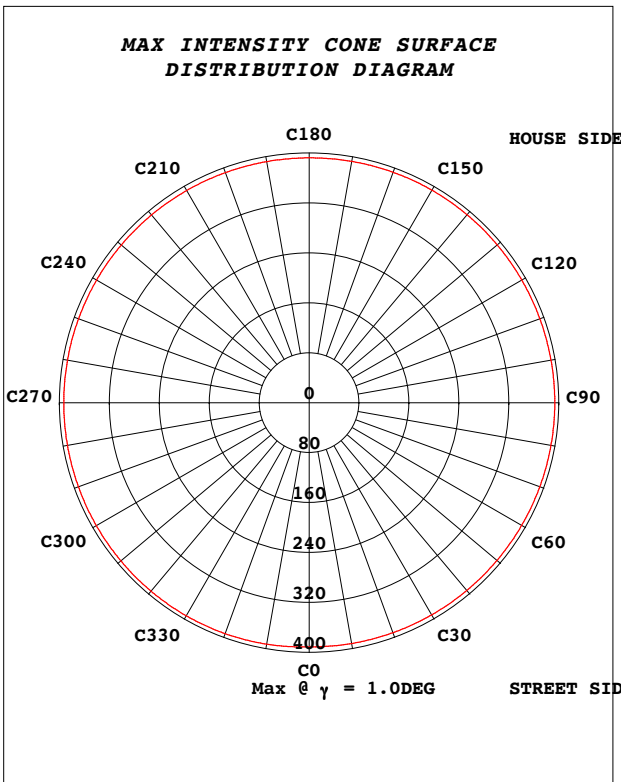
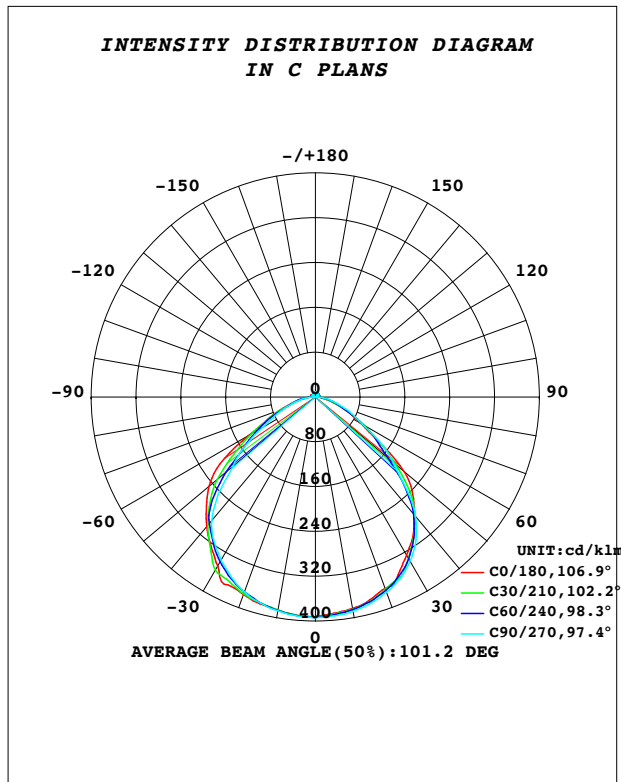


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:0W PF:0 Lamp Flux:6072.27x1 lm		
NAME: SWL-40 PRO	TYPE:LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I <sub>max</sub> (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)	6072.27	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	



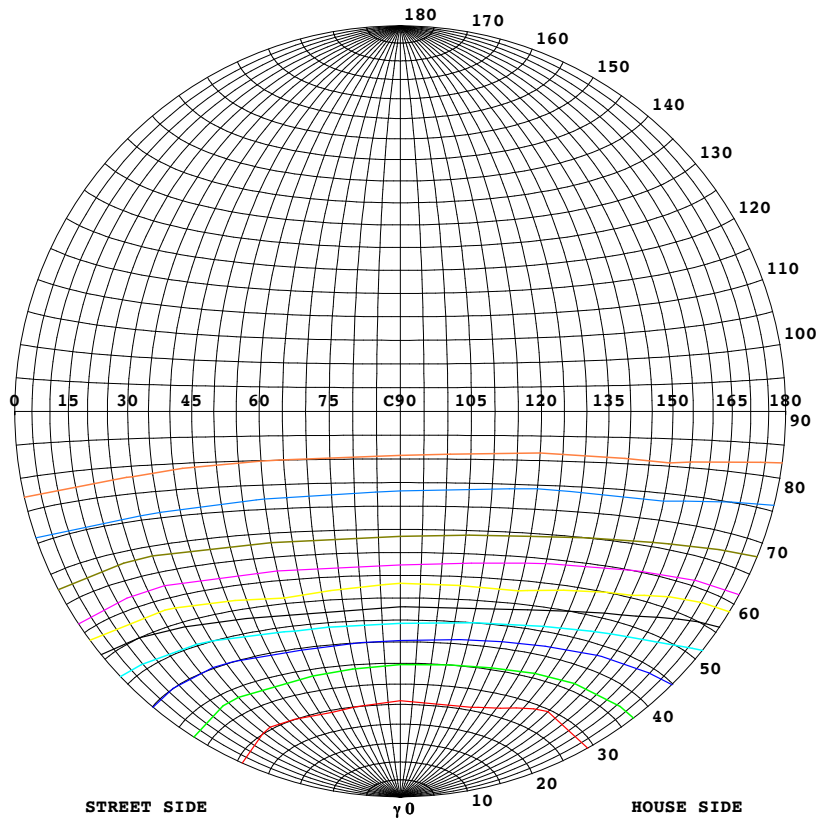
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kai**  
**Test Date:2020-08-26**

**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:6072.27x1 lm		
NAME: SWL-40 PRO	TYPE:LED	
MFR.:		



**Classification:**

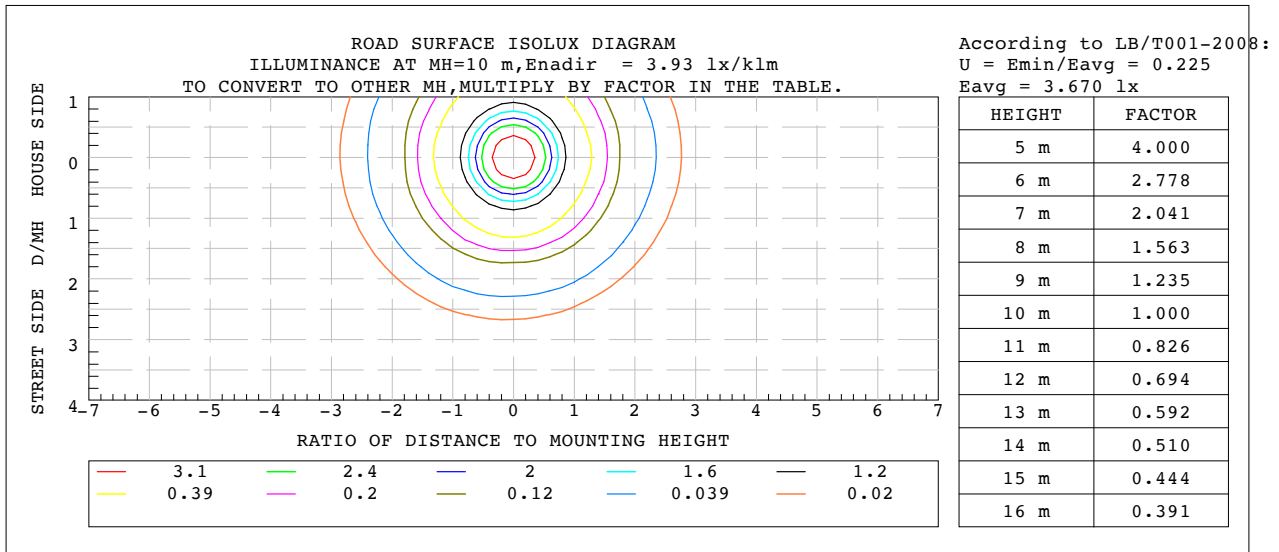
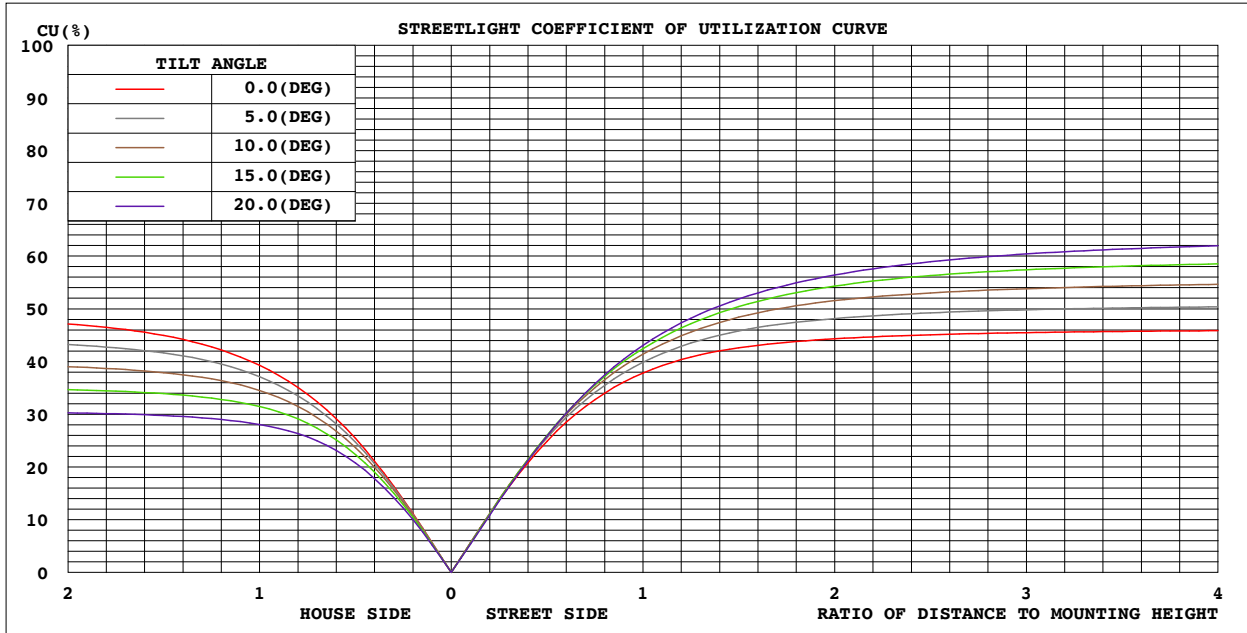
**IES:**Type V - Very Short  
**CIE:**Narrow - Short  
**IES:**Cut-off  
**CIE:**Semi-cut-off  
 Max.At80:30.00cd/klm  
 Max.At90:8.896cd/klm  
 Max.80-90:30.00cd/klm  
 NRB 5101:Limited[3.7%]

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

**$\gamma$  Range: 0 - 180 DEG**  
 **$\gamma$  Interval: 1.0 DEG**  
**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:6072.27x1 lm		
NAME: SWL-40 PRO	TYPE:LED	
MFR.:		

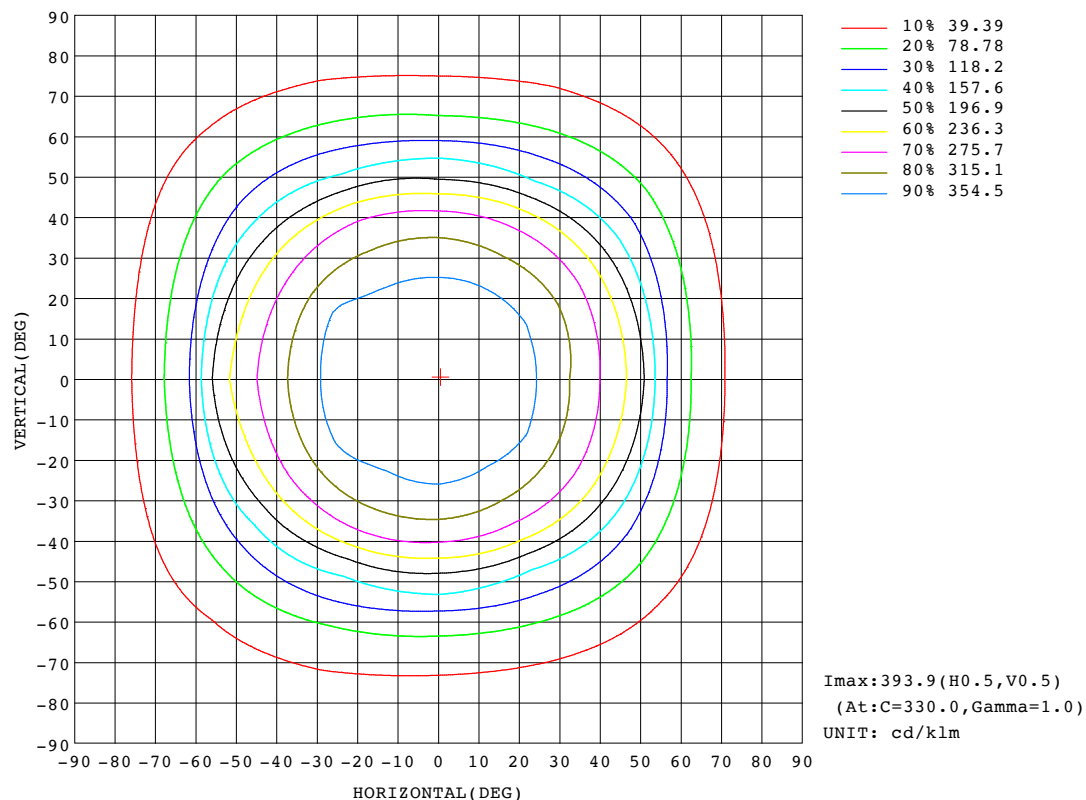
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	383.2	384.9	388.4	386.9	386.2	386.4	387.3	386.5	0- 10	37.15	37.15	3.72,3.72
20	363.4	366.2	370.6	371.8	375.4	372.2	370.4	368.9	10- 20	107.2	144.4	14.4,14.4
30	325.7	332.5	338.0	346.7	348.9	348.6	336.2	336.8	20- 30	164.8	309.1	30.9,30.9
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

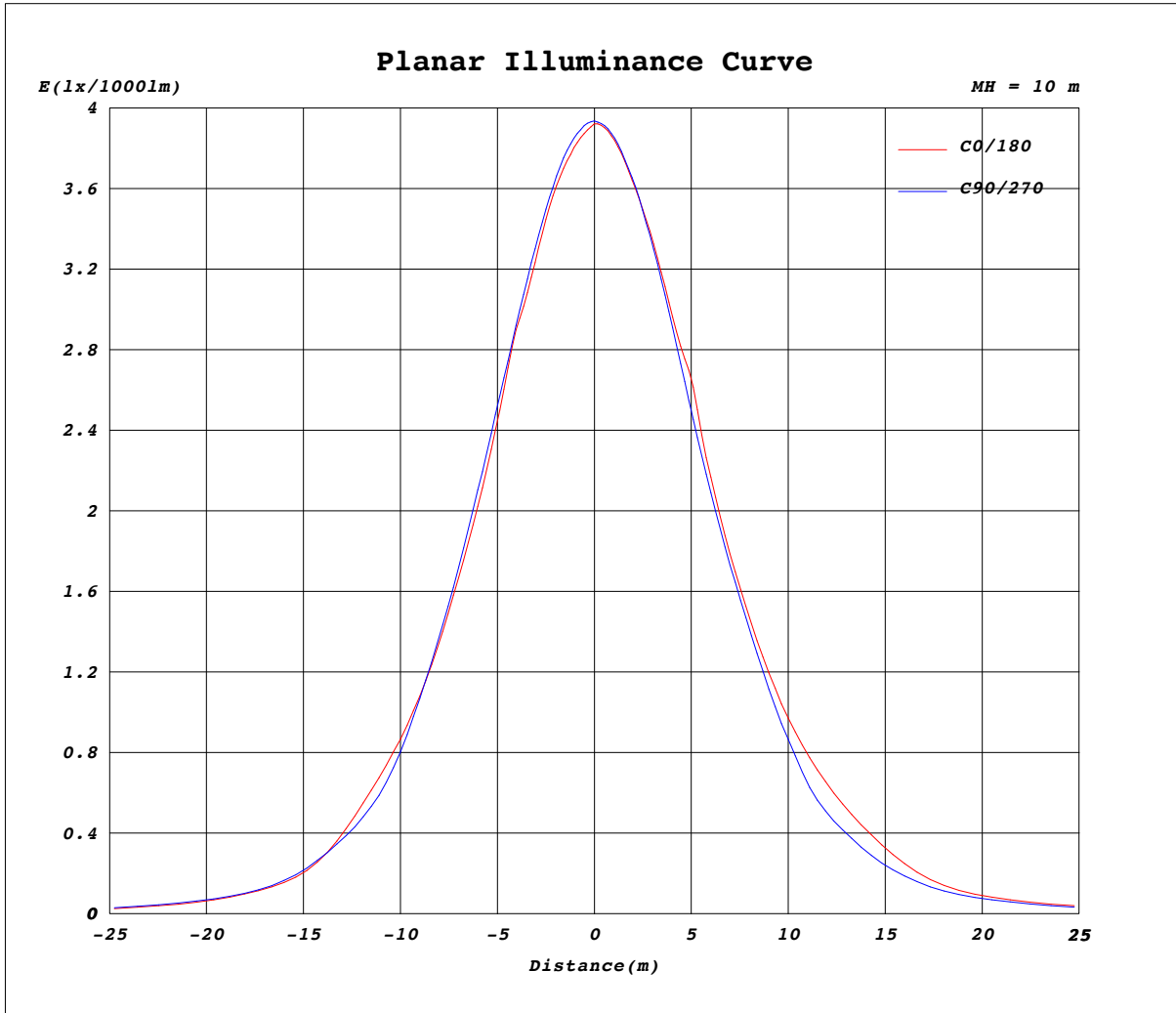
Test:U:0V I:0A P:0W PF:0 Lamp Flux:6072.27x1 lm		
NAME: SWL-40 PRO	TYPE:LED	
MFR.:		



**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**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  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:6072.27x1 lm		
NAME: SWL-40 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  
 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: