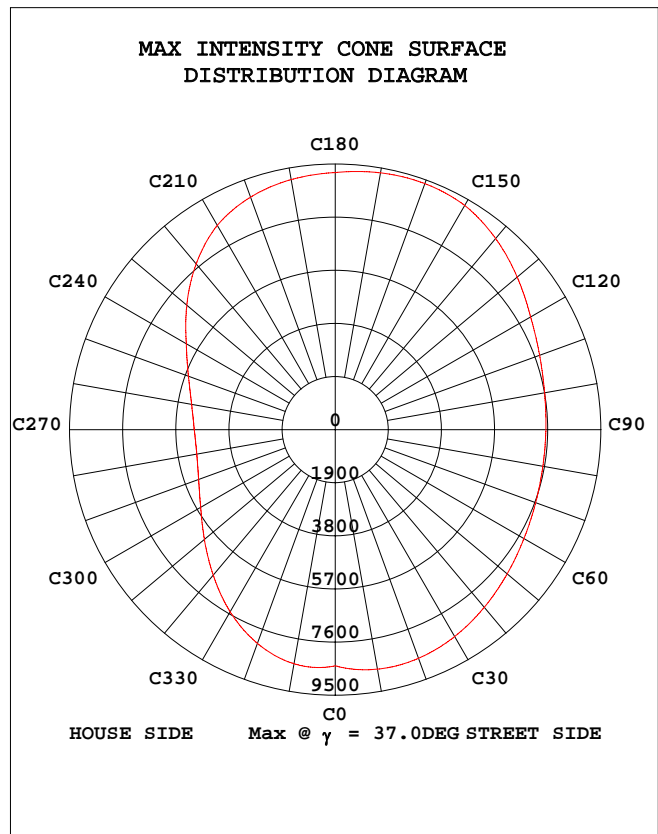
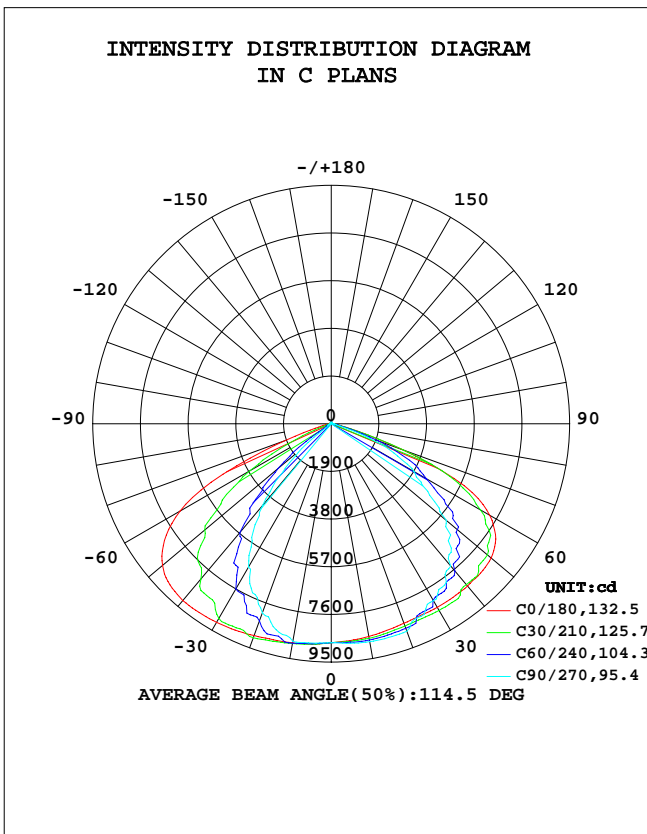


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.68 lm/W			
MODEL	TS-SL0724-240W-H5-1	I <sub>max</sub> (cd)	9265	η street_up(%)	0.6
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	57.6
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	25521	η house_up(%)	0.7
NOMINAL FLUX(lm)	25520.6	MAXIMUM @(C,γ )	150,37.0	η house_down(%)	41.1
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	18.984

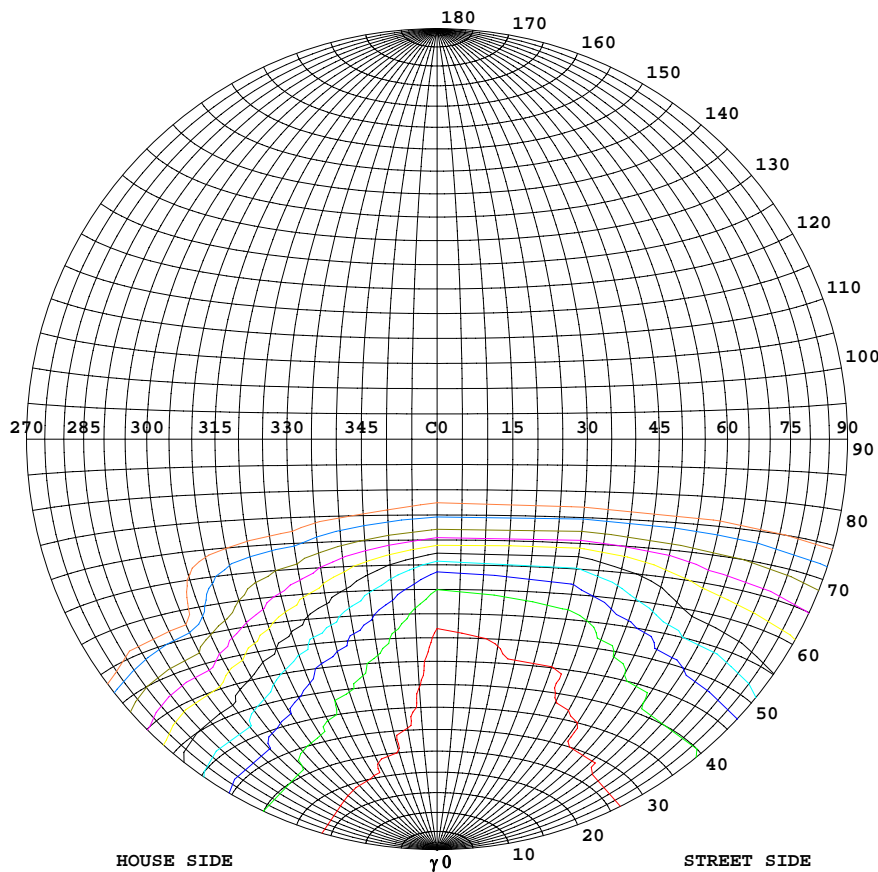


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 05 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.550m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:



**Classification:**

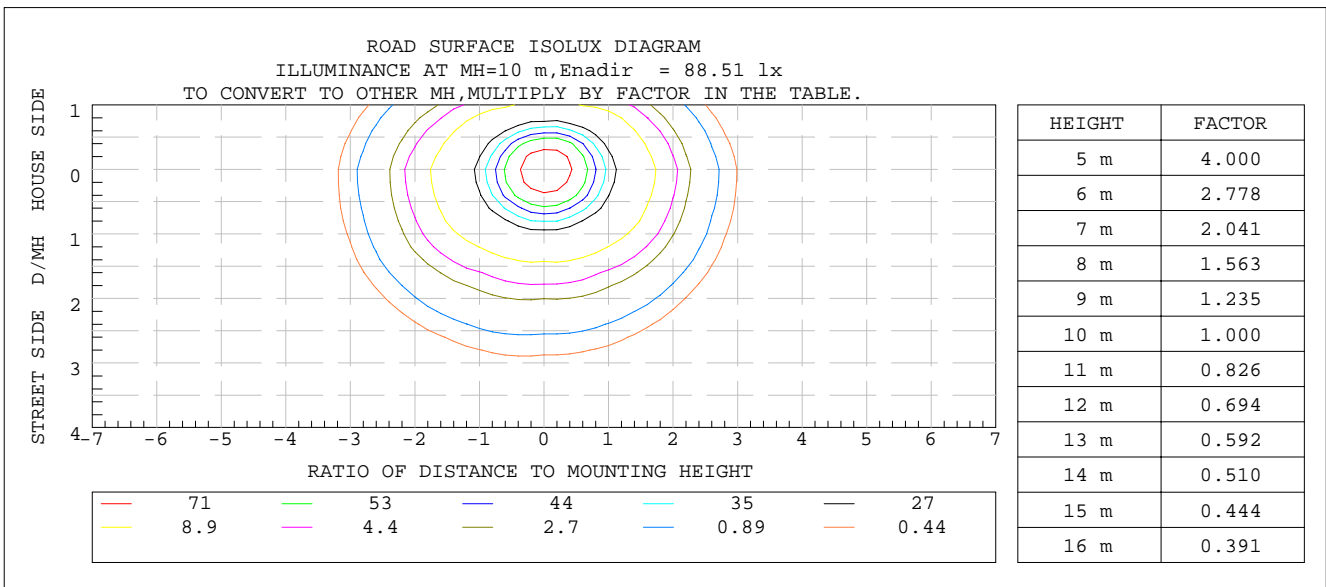
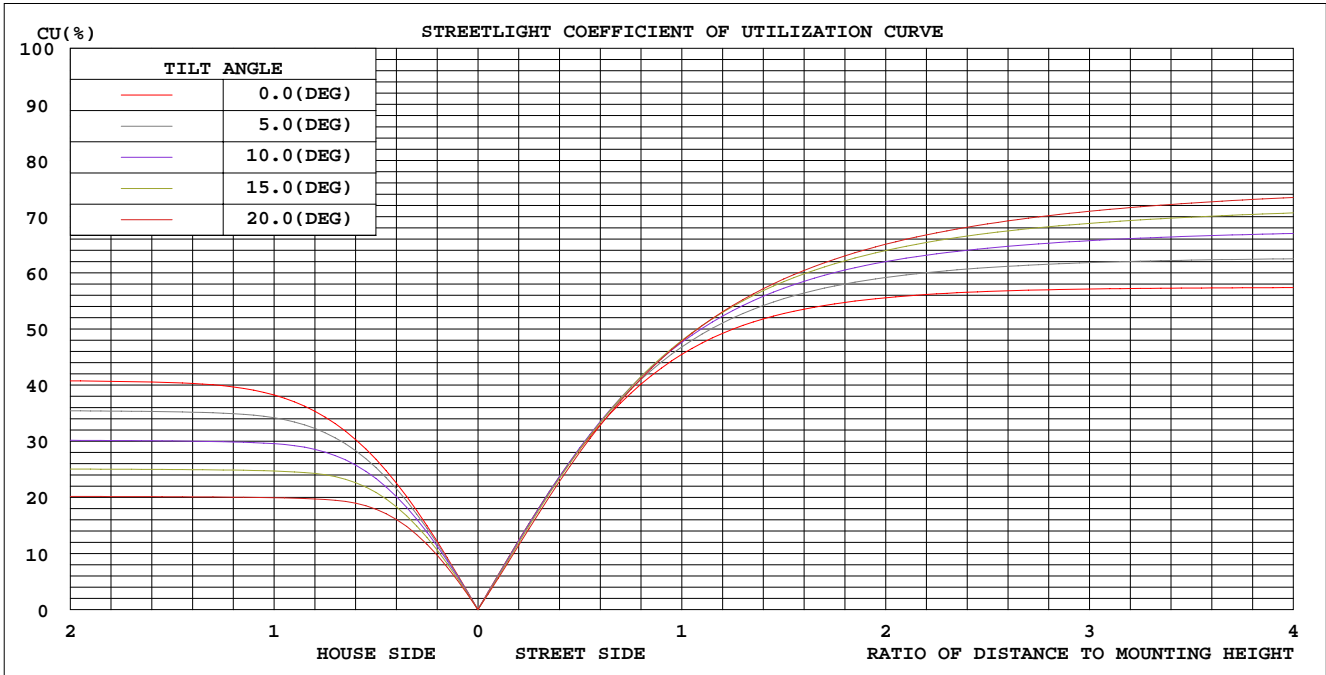
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:11.23cd/klm  
 Max.At90:3.275cd/klm  
 Max.80-90:11.23cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9265
— 90%	8338
— 80%	7412
— 70%	6485
— 60%	5559
— 50%	4632
— 40%	3706
— 30%	2779
— 20%	1853
— 10%	926
— 5%	463

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 05 June 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 7.550m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:

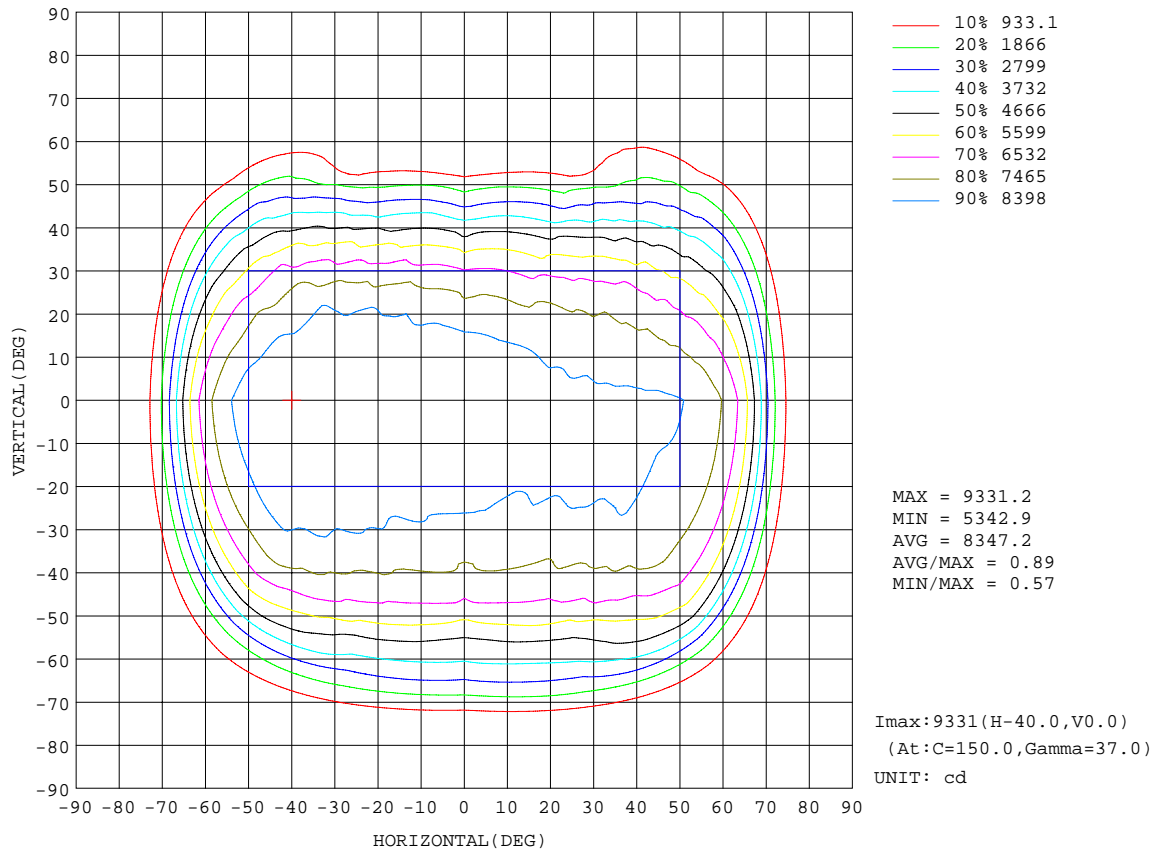
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	8607	8718	8814	8881	8863	8886	8811	8718	0- 10	837.4	837.4	3.28,3.28
20	8460	8628	8800	8979	8983	8720	8023	8230	10- 20	2472	3309	13,13
30	8447	8358	8147	8886	9140	8284	6596	7550	20- 30	3891	7200	28.2,28.2
40	8446	8025	7409	8461	9200	6881	4272	6157	30- 40	4891	12090	47.4,47.4
50	8321	7348	5985	7577	8776	4679	1546	4130	40- 50	5180	17270	67.7,67.7
60	7295	5620	3811	5332	6953	1984	169.4	1882	50- 60	4474	21743	85.2,85.2
70	2997	2538	1426	1808	1944	331.7	103.3	458.4	60- 70	2774	24518	96.1,96.1
80	249.9	261.1	172.3	233.4	170.3	80.14	54.88	81.01	70- 80	570.2	25088	98.3,98.3
90	44.34	78.25	80.24	77.29	46.81	49.78	36.92	48.76	80- 90	101.2	25189	98.7,98.7
100	47.06	56.11	53.56	56.21	47.84	47.03	38.88	47.21	90-100	59.04	25248	98.9,98.9
110	49.28	45.55	40.02	46.27	52.02	49.22	43.75	49.91	100-110	51.01	25299	99.1,99.1
120	51.62	44.83	37.82	46.07	54.56	52.61	49.10	52.33	110-120	47.34	25346	99.3,99.3
130	52.96	47.60	44.08	48.94	55.74	56.00	54.60	55.46	120-130	45.07	25391	99.5,99.5
140	54.69	51.61	50.12	51.14	56.90	58.09	57.44	58.35	130-140	41.34	25433	99.7,99.7
150	58.01	55.24	53.19	53.41	60.42	61.66	60.99	62.62	140-150	35.40	25468	99.8,99.8
160	62.97	60.04	57.98	59.15	63.44	64.94	65.26	66.97	150-160	27.93	25496	99.9,99.9
170	65.45	64.34	62.74	63.86	64.35	65.98	67.09	68.24	160-170	18.22	25514	100,100
180	65.15	65.43	65.26	65.80	65.49	65.39	65.09	65.77	170-180	6.236	25521	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:05 June 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.550m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

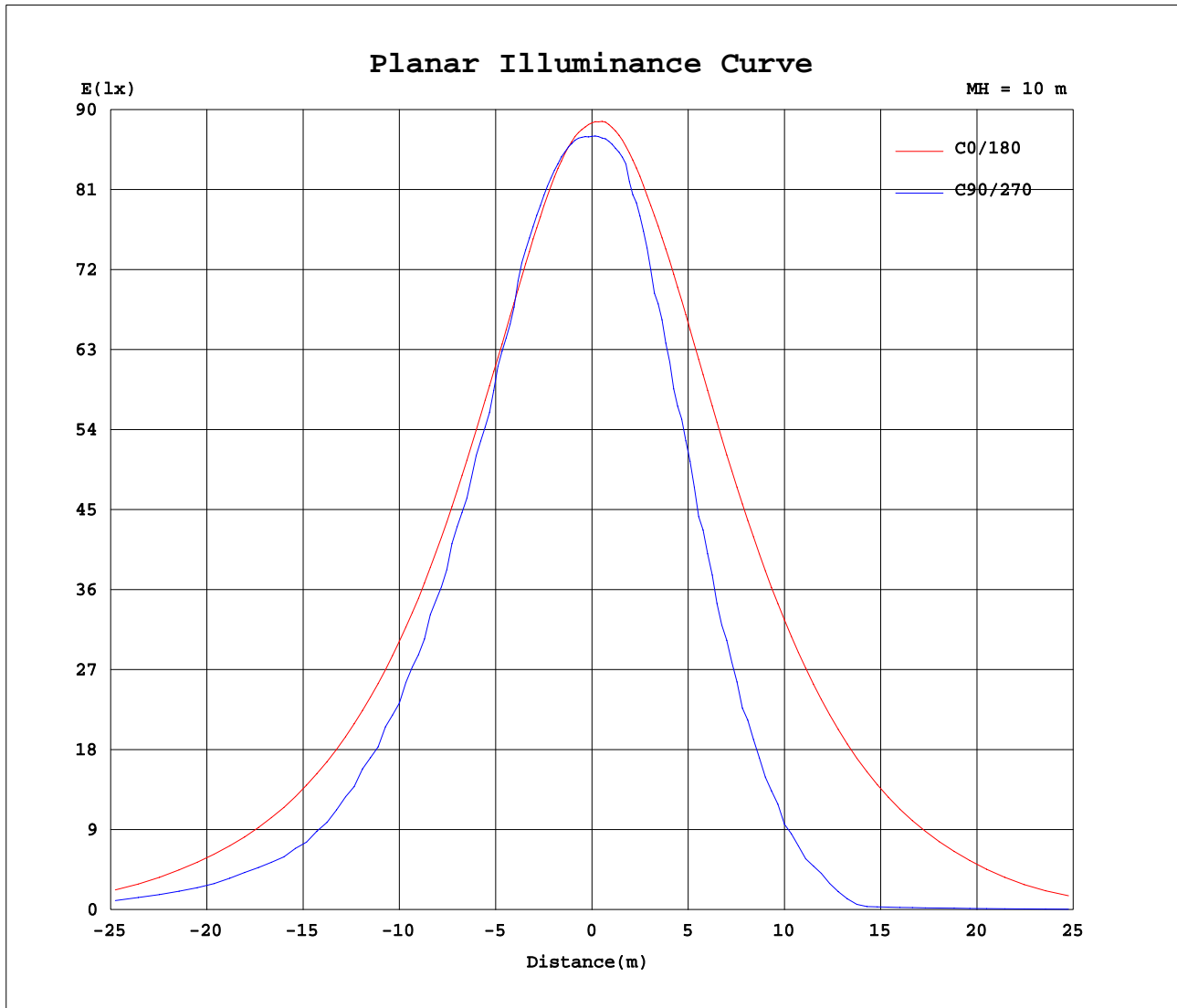
Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



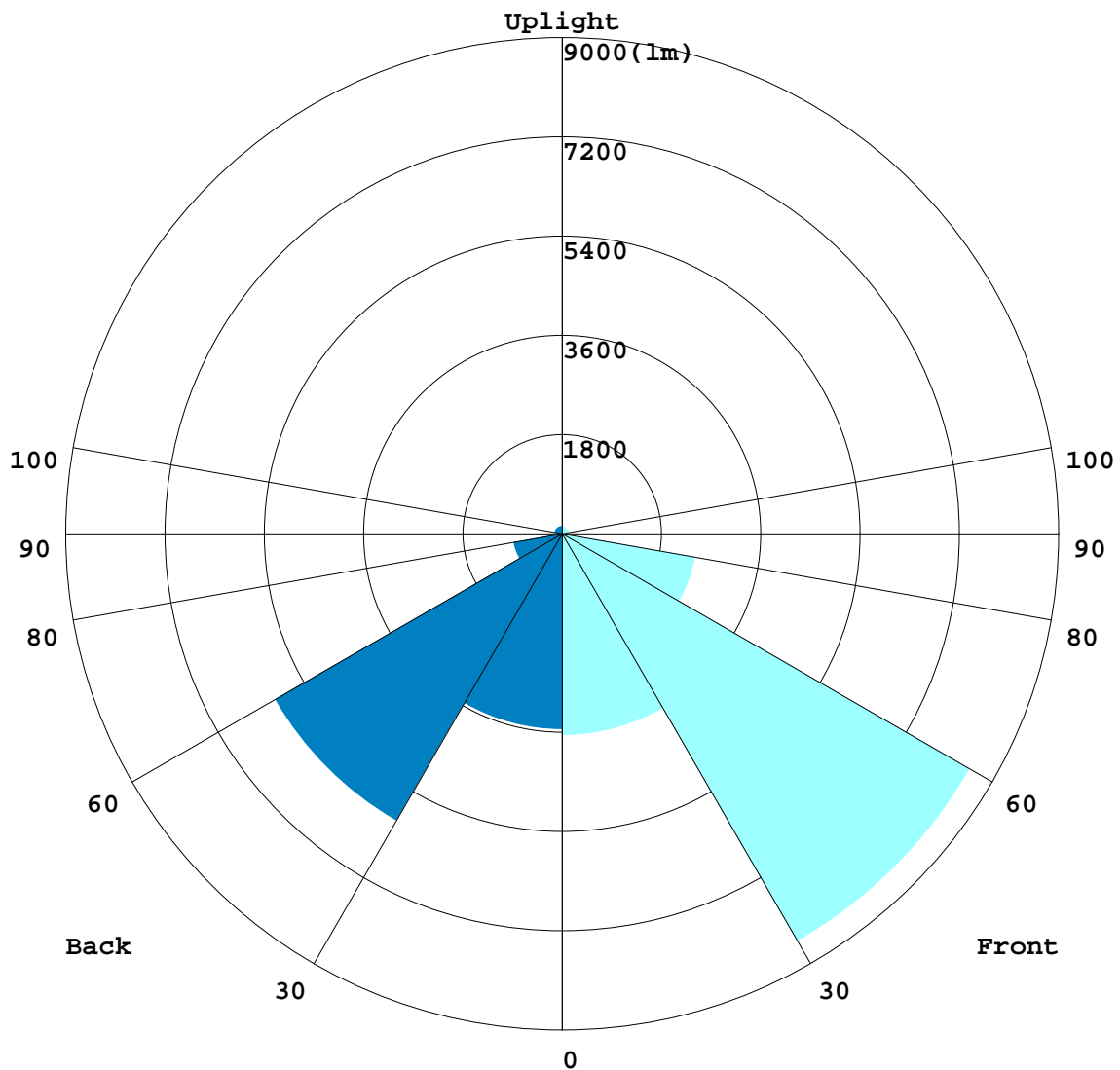
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 05 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.550m [K=1.0000]  
 Remarks:

LCS REPORT

Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz		
Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 June 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

## BUG REPORT

Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3653.4	14.3
FM - Front-Medium(30-60)	8532	33.4
FH - Front-High(60-80)	2449.4	9.6
FVH - Front-Very High(80-90)	67.556	0.3
Total Forward Light	14867	58.3

BL - Back-Low(0-30)	3546.2	13.9
BM - Back-Medium(30-60)	6011.7	23.6
BH - Back-High(60-80)	895.07	3.5
BVH - Back-Very High(80-90)	33.615	0.1
Total Back Light	10654	41.7

UL - Uplight-Low(90-100)	59.037	0.2
UH - Uplight-High(100-180)	272.54	1.1
Total Up Light	331.57	1.3

BUG(Back,Up,Glare) Rating	B4-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10487	167.37	10654
Street Side	14702	164.21	14867

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:05 June 2021

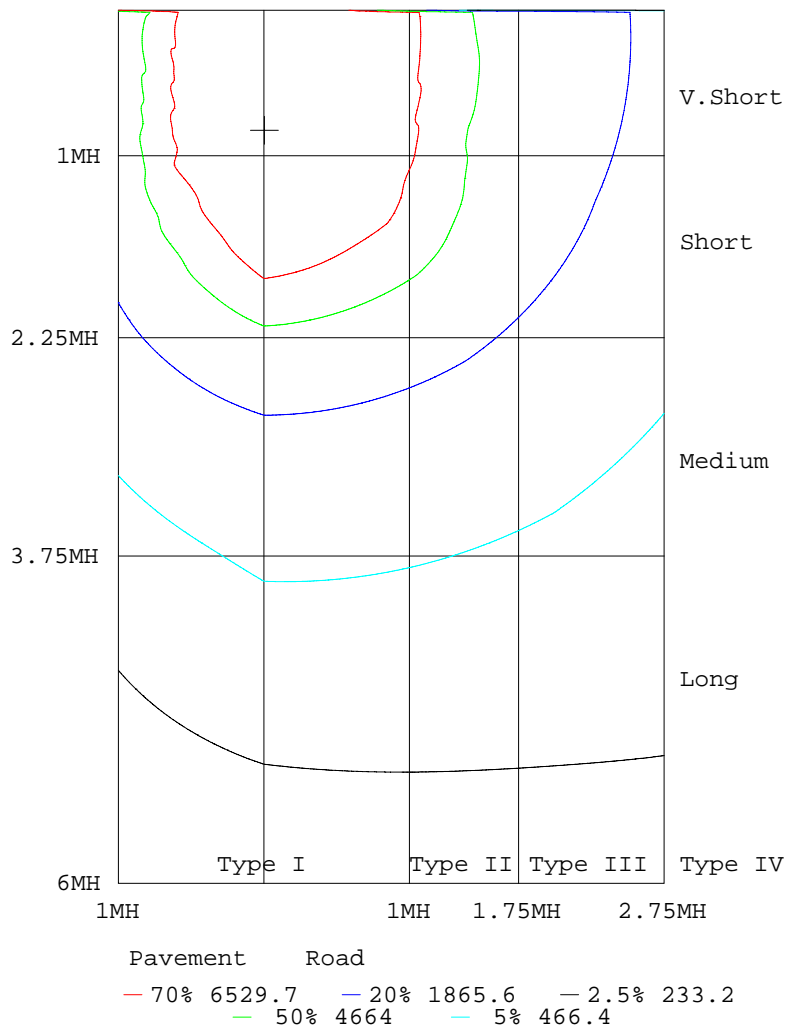
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.550m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 June 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:2.0204A P:241.49W PF:0.9956 Freq:59.98Hz Lamp Flux:25520.6x1 lm		
NAME: TS-SL0724-240W-H5-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605014
MFR.:	SUR.: 570*315	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	8727	8727	8727	8727	8727	8727	8727	8727	8727	8727	8727	8727							
5	8675	8706	8734	8782	8809	8816	8809	8817	8802	8771	8732	8695							
10	8607	8683	8753	8814	8878	8883	8863	8890	8881	8811	8757	8680							
15	8527	8630	8717	8816	8906	8944	8912	8973	8738	8498	8541	8656							
20	8460	8578	8678	8800	8936	9023	8983	9073	8366	8023	7985	8475							
25	8428	8567	8352	8467	8705	9112	9075	8971	7999	7435	7612	8247							
30	8447	8594	8121	8147	8588	9184	9140	8959	7605	6596	7056	8047							
35	8449	8606	7994	7860	8332	9244	9177	8461	6775	5530	6185	7557							
40	8446	8372	7676	7409	7971	8952	9200	8081	5673	4272	5149	7167							
45	8419	8307	7037	6591	7265	8915	9087	7546	4258	2724	3828	6753							
50	8321	8127	6566	5985	6686	8472	8776	6579	2768	1546	2449	5817							
55	8004	7754	5559	4694	5633	7795	8111	5307	1229	186	1173	4793							
60	7295	6863	4371	3811	4275	6391	6953	3728	231	169	214	3555							
65	5852	5584	3445	2762	3134	4472	4757	1903	182	139	173	2210							
70	2997	3077	1997	1426	1635	1981	1944	534	128	103	120	798							
75	783	827	584	365	502	580	521	168	87.7	72.2	84.8	221							
80	250	287	235	172	217	250	170	91.0	69.2	54.9	66.3	95.8							
85	81.4	119	122	113	111	100	61.5	64.6	55.7	47.1	53.1	66.5							
90	44.3	73.0	83.6	80.2	80.1	74.5	46.8	55.2	44.3	36.9	41.6	56.0							
95	45.6	63.2	66.9	64.4	65.7	64.4	47.3	52.3	43.3	37.6	41.6	53.5							
100	47.1	56.1	56.1	53.6	55.7	56.8	47.8	50.7	43.4	38.9	42.3	52.1							
105	48.3	50.7	48.3	45.7	48.1	51.5	49.6	51.0	44.8	41.0	44.5	51.9							
110	49.3	48.1	42.9	40.0	42.8	49.7	52.0	51.9	46.6	43.8	47.0	52.9							
115	50.3	47.3	41.4	36.6	41.3	49.7	53.5	53.0	48.5	46.5	48.7	53.7							
120	51.6	47.6	42.1	37.8	42.0	50.2	54.6	54.7	50.5	49.1	50.4	54.2							
125	52.7	48.4	43.5	39.8	43.8	50.8	55.2	56.2	52.5	51.7	52.4	55.5							
130	53.0	49.3	45.9	44.1	46.7	51.1	55.7	57.3	54.7	54.6	54.3	56.6							
135	53.8	50.8	48.7	47.5	48.9	51.4	56.2	58.0	55.9	56.2	56.2	57.7							
140	54.7	52.5	50.8	50.1	50.5	51.8	56.9	58.7	57.5	57.4	58.0	58.7							
145	55.9	54.3	52.6	52.2	51.2	52.8	58.5	60.1	59.4	58.9	60.1	60.4							
150	58.0	56.4	54.1	53.2	52.2	54.7	60.4	61.8	61.5	61.0	62.5	62.8							
155	60.5	58.4	56.4	55.0	54.2	57.4	62.5	63.6	63.8	63.4	65.3	65.3							
160	63.0	60.8	59.3	58.0	57.5	60.8	63.4	64.6	65.3	65.3	67.4	66.6							
165	64.8	63.2	62.4	60.8	60.4	63.7	64.4	65.3	66.9	66.9	69.0	67.7							
170	65.5	64.4	64.2	62.7	62.5	65.3	64.3	65.1	66.8	67.1	68.8	67.7							
175	66.0	65.1	65.6	64.0	64.2	65.9	64.5	64.5	65.7	65.5	66.9	66.4							
180	65.2	65.0	65.9	65.3	65.6	66.0	65.5	64.7	66.1	65.1	65.7	65.8							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks: