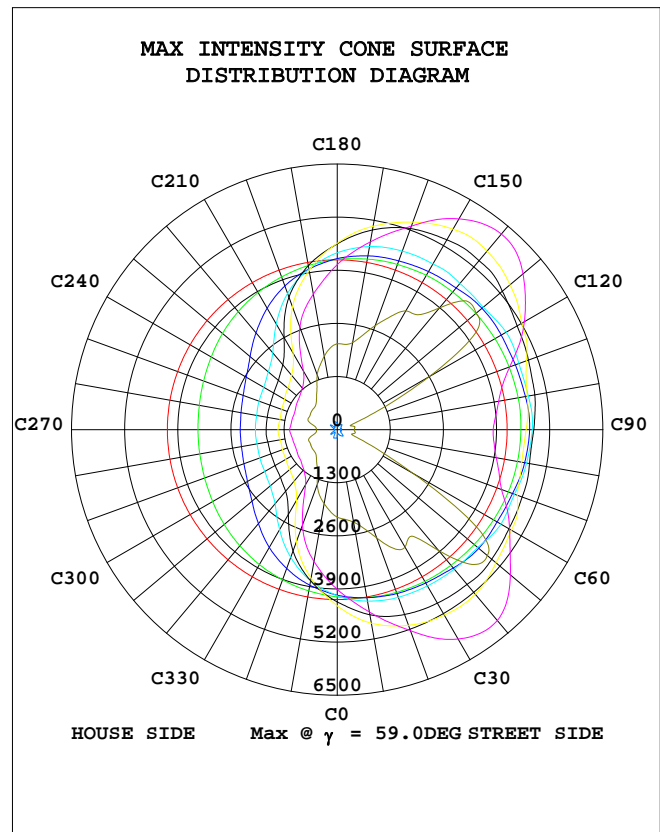
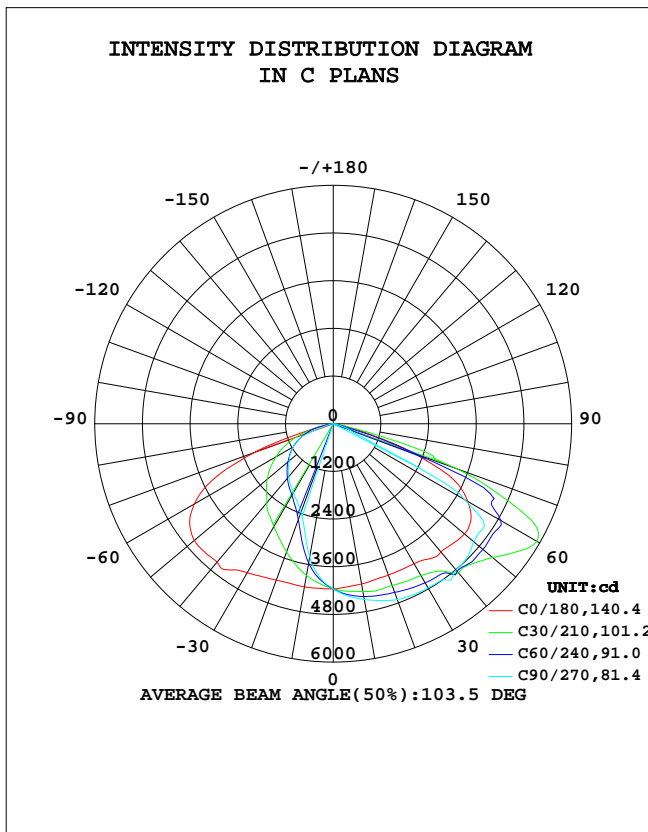


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.45 lm/W			
MODEL	NW-G02-100	I <sub>max</sub> (cd)	6271	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	67.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	14894	η house_up(%)	0.0
NOMINAL FLUX(lm)	14893.9	MAXIMUM @(C,γ )	140,59.0	η house_down(%)	33.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	

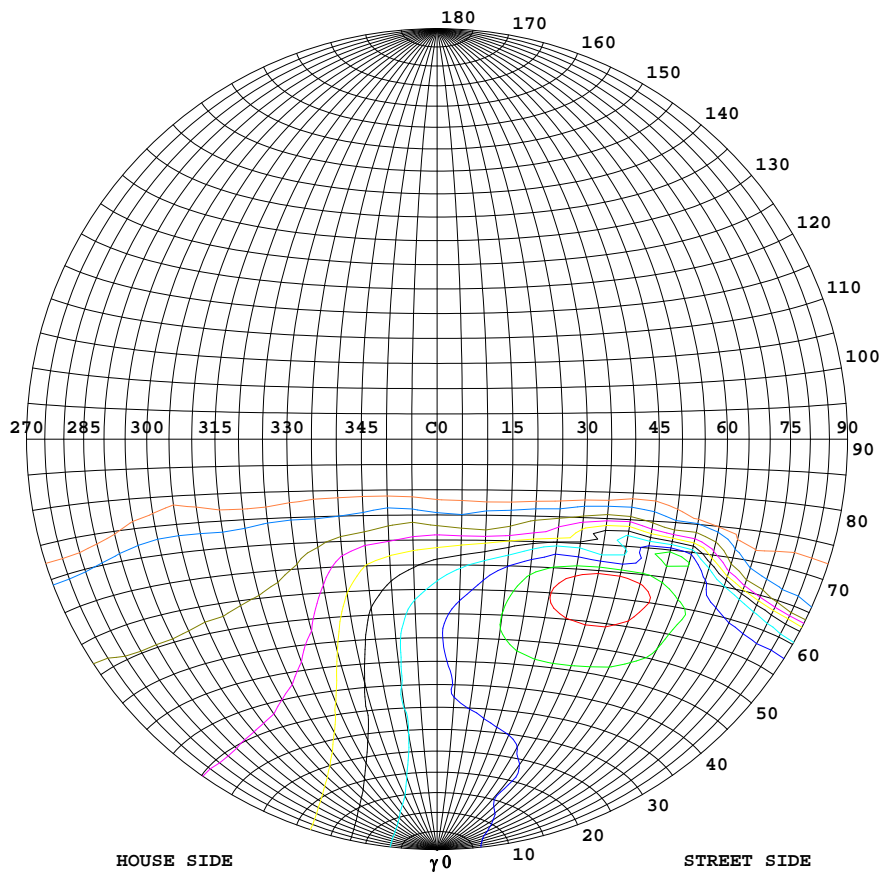


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 27.4DEG  
 Operators:  
 Test Date:29 May 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
 Humidity: 53.3%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/



Classification:

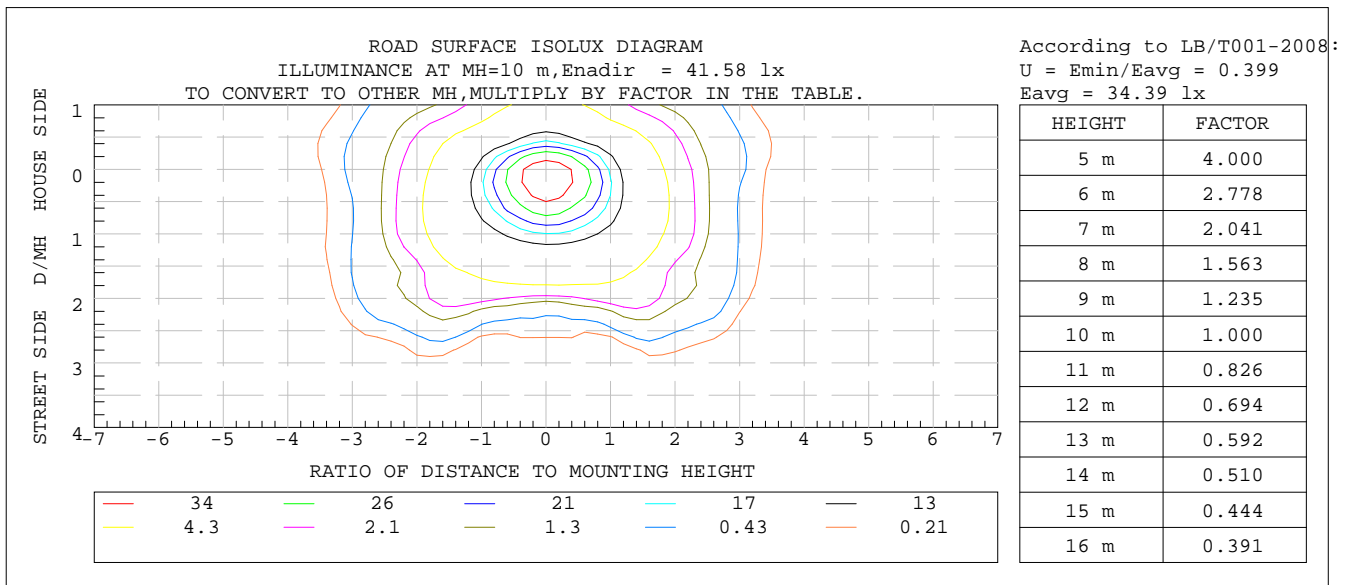
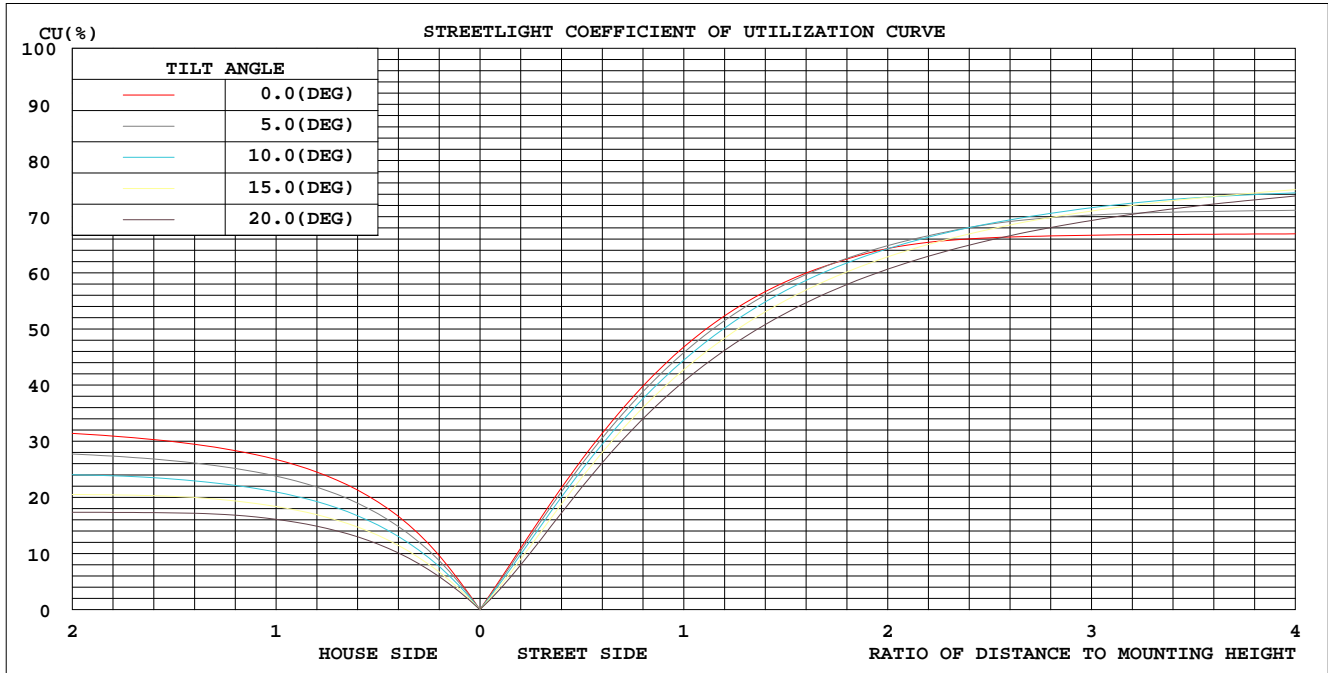
IES:Type III - Short  
 CIE:Broad - Short  
 IES:Full cut-off  
 CIE:Full cut-off  
 Max.At80:14.85cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:14.85cd/klm  
 NRB 5101:Limited[5.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6271
90%	5644
80%	5017
70%	4390
60%	3763
50%	3135
40%	2508
30%	1881
20%	1254
10%	627
5%	314

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 27.4DEG  
 Operators:  
 Test Date:29 May 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
 Humidity: 53.3%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

# COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date: 29 May 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance: 26.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/

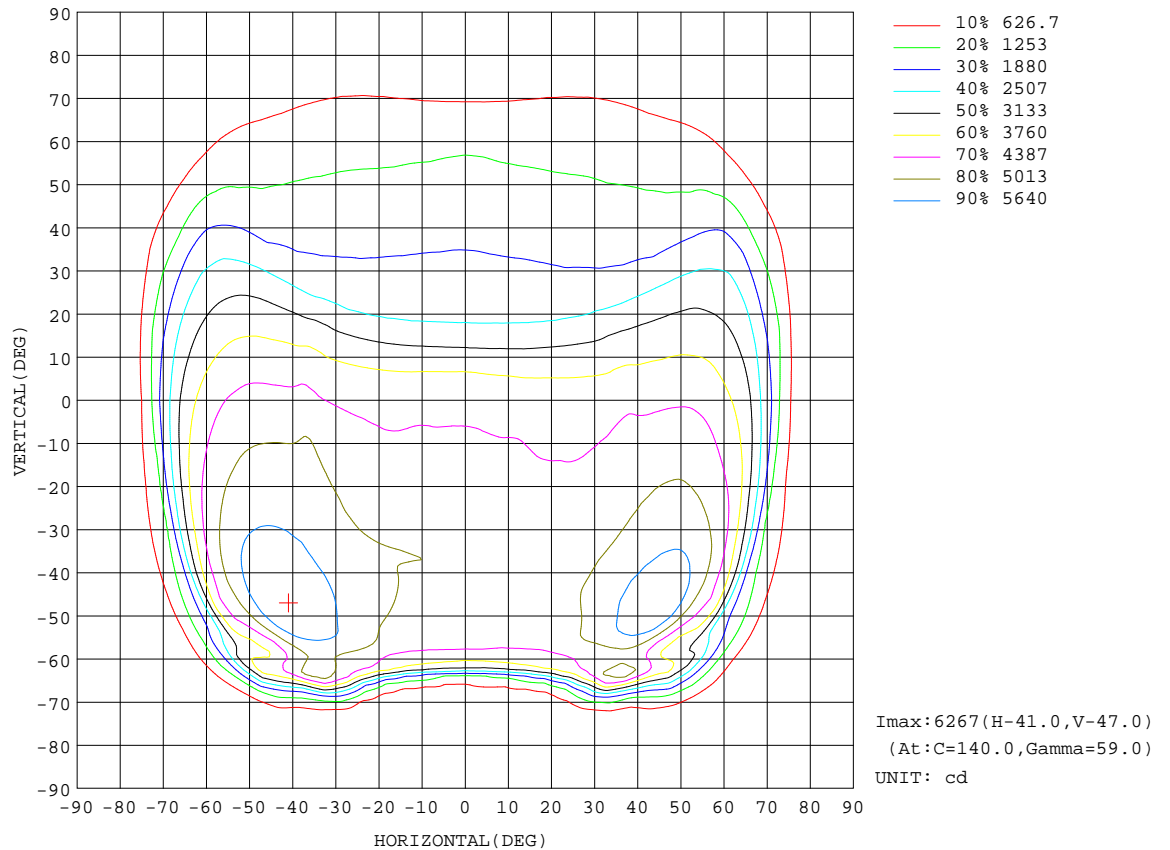
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	4096	4352	4494	4416	4171	3720	3408	3660	0- 10	391.2	391.2	2.63,2.63
20	4054	4485	4707	4589	4189	2936	2375	2859	10- 20	1100	1491	10,10
30	4068	4466	4773	4668	4330	2301	2005	2238	20- 30	1702	3193	21.4,21.4
40	4215	4972	4808	5388	4548	1967	1741	1885	30- 40	2290	5482	36.8,36.8
50	4312	5183	4622	5639	4562	1645	1450	1570	40- 50	2818	8300	55.7,55.7
60	3908	5885	3817	6177	4041	1265	1166	1219	50- 60	3184	11484	77.1,77.1
70	2142	4665	419.7	4460	2103	782.8	510.8	775.4	60- 70	2623	14107	94.7,94.7
80	155.3	202.7	84.97	166.2	141.2	78.24	66.55	79.75	70- 80	749.9	14857	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	36.65	14894	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14894	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14894	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14894	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14894	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14894	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14894	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14894	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14894	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14894	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

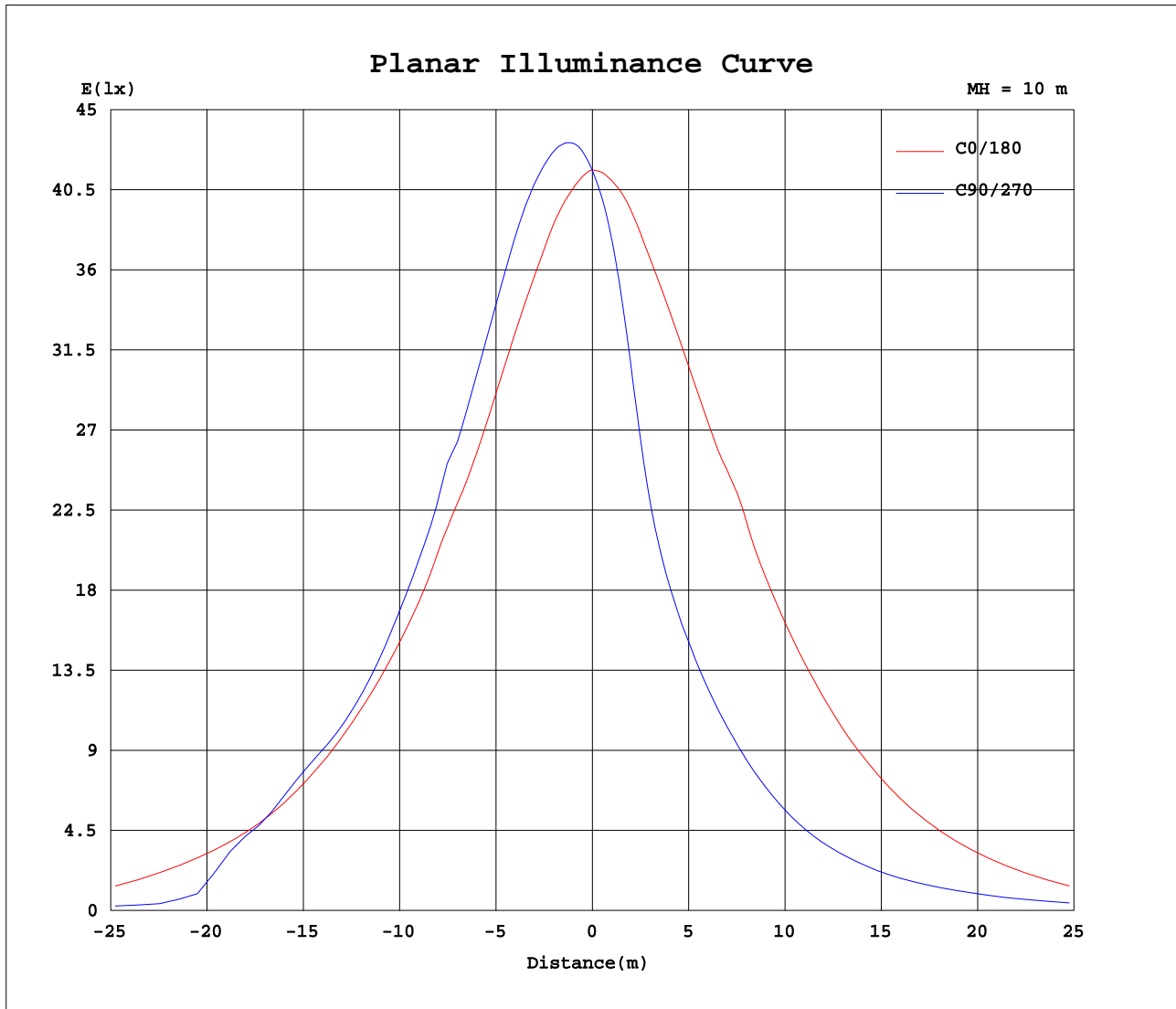
Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

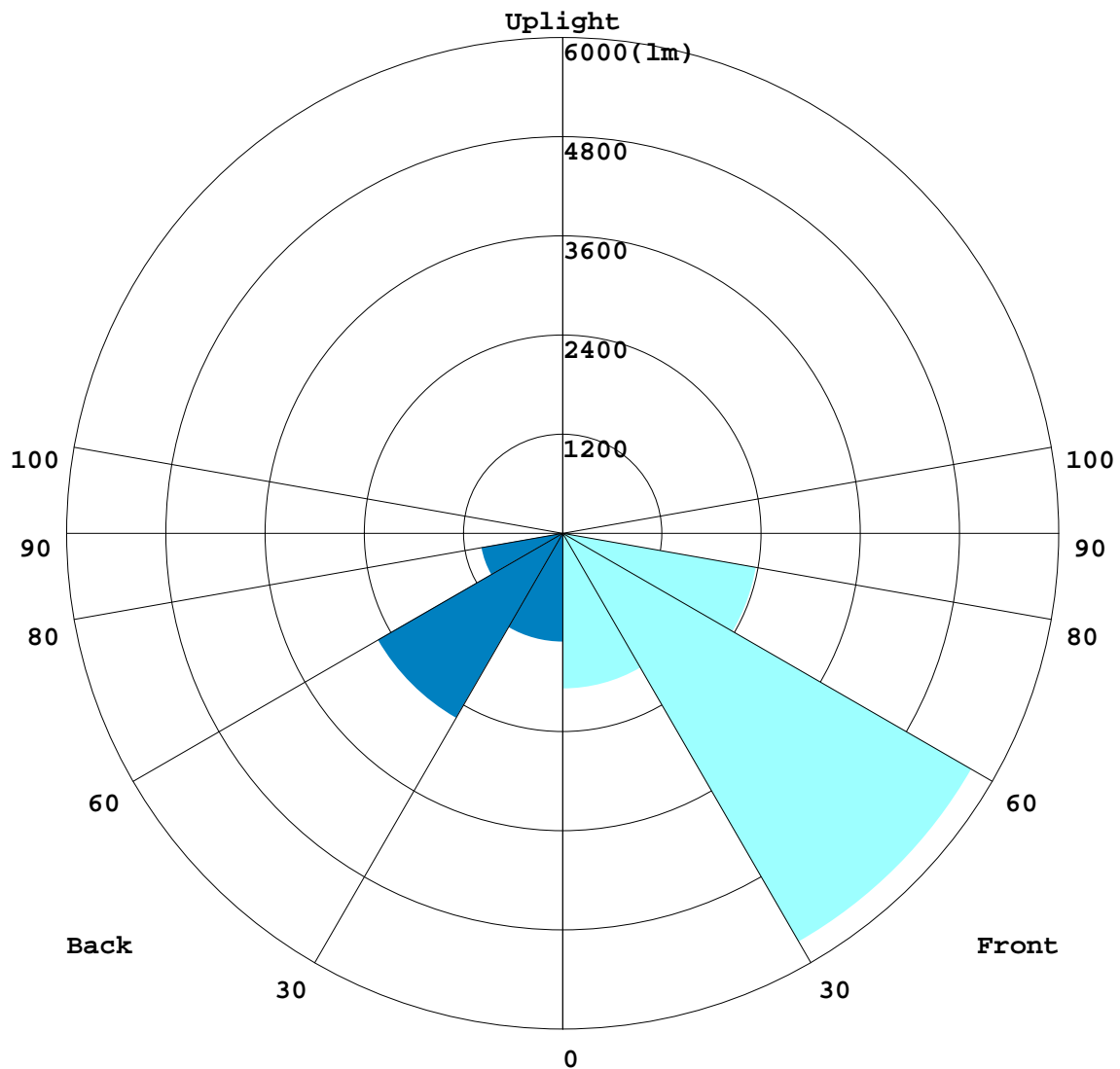


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 27.4DEG  
 Operators:  
 Test Date: 29 May 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
 Humidity: 53.3%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 27.4DEG  
 Operators:  
 Test Date:29 May 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
 Humidity: 53.3%  
 Test Distance:26.000m [K=1.0000]  
 Remarks:

### BUG REPORT

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1880.6	12.6
FM - Front-Medium(30-60)	5710.7	38.3
FH - Front-High(60-80)	2376.1	16.0
FVH - Front-Very High(80-90)	18.386	0.1
Total Forward Light	9985.7	67.0

BL - Back-Low(0-30)	1312.2	8.8
BM - Back-Medium(30-60)	2580.8	17.3
BH - Back-High(60-80)	996.93	6.7
BVH - Back-Very High(80-90)	18.262	0.1
Total Back Light	4908.2	33.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4908.2	0	4908.2
Street Side	9985.7	0	9985.7

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

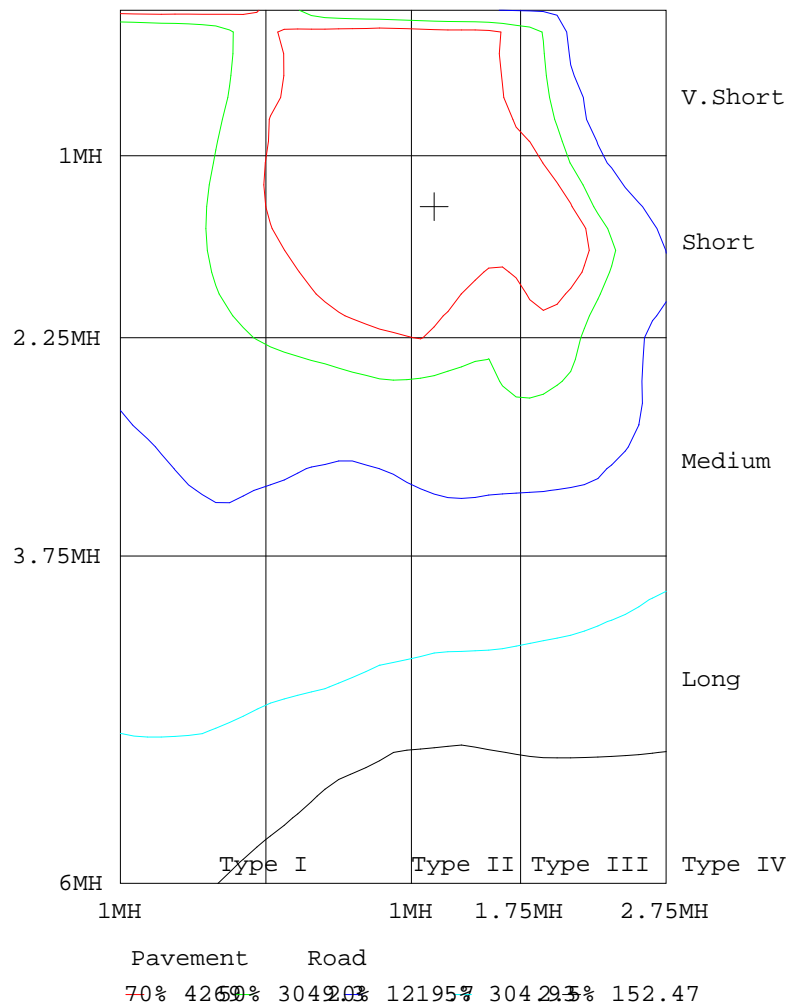
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm																		
NAME: LED STREET LIGHT									TYPE:LED					WEIGHT:/				
SPEC.:/									DIM.: /					SERIAL No.:/				
MFR.:									SUR.:/					Shielding Angle:/				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157
5	4121	4138	4160	4179	4196	4212	4230	4249	4262	4278	4291	4308	4318	4329	4339	4345	4348	4352	4354
10	4096	4131	4172	4207	4237	4262	4288	4308	4332	4352	4374	4396	4415	4435	4455	4469	4479	4489	4494
15	4062	4106	4157	4200	4247	4291	4338	4378	4413	4432	4445	4456	4470	4497	4527	4564	4581	4597	4608
20	4054	4119	4176	4224	4270	4299	4333	4364	4418	4485	4519	4523	4517	4538	4565	4619	4658	4685	4707
25	4056	4137	4206	4264	4313	4348	4373	4396	4418	4446	4526	4580	4575	4568	4585	4640	4685	4719	4751
30	4068	4178	4259	4323	4367	4392	4415	4436	4455	4466	4487	4568	4625	4614	4616	4668	4705	4737	4773
35	4162	4296	4403	4475	4507	4525	4533	4528	4531	4550	4562	4581	4653	4687	4681	4718	4728	4762	4790
40	4215	4412	4598	4733	4813	4869	4901	4928	4944	4972	4934	4894	4852	4836	4816	4815	4778	4769	4808
45	4262	4502	4711	4846	4921	4965	4972	4959	4945	4928	4870	4864	4921	4861	4783	4781	4746	4726	4763
50	4312	4582	4809	4970	5095	5187	5239	5273	5255	5183	5070	4989	4919	4867	4690	4628	4584	4585	4622
55	4230	4521	4779	5019	5248	5462	5623	5707	5702	5557	5305	5061	4886	4779	4672	4562	4554	4593	4603
60	3908	4209	4531	4876	5233	5621	5915	6086	6095	5885	5529	5165	4870	4586	4278	4101	3950	3853	3817
65	3357	3649	3991	4361	4732	5046	5234	5405	5302	5089	4878	4726	4466	3823	2694	1588	1066	986	855
70	2142	2205	2297	2493	2820	3190	3320	3182	3860	4665	4792	4186	2156	922	416	391	450	426	420
75	735	635	770	833	1020	1108	1346	1556	1634	1091	724	680	268	228	206	228	230	221	200
80	155	109	100.0	107	132	151	170	187	209	203	138	109	107	100	88.1	106	98.0	80.9	85.0
85	17.5	17.0	18.2	20.4	22.2	24.3	26.9	28.4	30.2	26.9	22.3	21.3	22.0	18.8	16.2	16.3	14.6	12.1	11.8
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm		
NAME: LED STREET LIGHT	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:/
MFR.:	SUR.:/	Shielding Angle:/

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157
5	4358	4357	4352	4345	4342	4334	4327	4314	4308	4291	4280	4265	4247	4232	4214	4196	4174	4158	4134
10	4500	4497	4484	4478	4468	4457	4441	4429	4416	4396	4384	4364	4331	4305	4276	4241	4201	4171	4120
15	4618	4598	4577	4575	4559	4548	4546	4535	4522	4495	4469	4434	4383	4344	4305	4261	4213	4161	4086
20	4707	4676	4650	4640	4624	4634	4640	4622	4589	4528	4497	4470	4432	4397	4365	4320	4258	4189	4092
25	4756	4715	4693	4683	4690	4713	4717	4654	4595	4568	4573	4560	4531	4507	4470	4420	4334	4247	4120
30	4781	4748	4730	4731	4766	4771	4715	4665	4668	4674	4707	4685	4677	4651	4615	4552	4452	4330	4172
35	4814	4802	4799	4808	4831	4803	4766	4782	4819	4846	4906	4916	4912	4896	4861	4786	4656	4495	4298
40	4857	4910	4931	4980	5034	5083	5174	5274	5388	5400	5416	5366	5309	5238	5120	4963	4769	4548	4325
45	4819	4868	4896	4958	5080	5140	5175	5245	5337	5391	5440	5429	5386	5311	5187	5020	4807	4572	4309
50	4687	4721	4786	4926	5117	5216	5388	5518	5639	5702	5737	5667	5556	5406	5241	5054	4840	4562	4286
55	4649	4645	4717	4867	5033	5260	5517	5780	5998	6091	6069	5921	5707	5456	5206	4961	4715	4414	4093
60	3895	4012	4187	4490	4909	5288	5619	5934	6177	6249	6166	5957	5668	5301	4980	4667	4358	4041	3696
65	905	1351	1618	2926	4127	4884	5066	5106	5108	5130	5188	5108	4985	4694	4312	3956	3639	3359	3055
70	427	435	361	404	1105	2587	4139	4435	4460	3890	3434	3359	3042	2710	2392	2165	2097	2103	2007
75	220	237	214	205	236	270	599	772	1161	1282	1165	1174	977	808	719	696	620	632	809
80	82.8	109	98.5	90.6	105	111	112	133	166	167	149	131	118	101	88.4	84.6	93.5	141	183
85	12.8	19.1	17.2	17.6	21.0	24.3	23.4	23.6	26.7	28.5	28.2	26.2	24.4	22.2	20.7	19.1	18.6	20.5	23.7
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm																	
NAME: LED STREET LIGHT									TYPE:LED						WEIGHT:/		
SPEC.:/									DIM.: /						SERIAL No.:/		
MFR.:									SUR.:/						Shielding Angle:/		

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157
5	4118	4094	4069	4051	4031	4010	3993	3975	3960	3945	3928	3913	3903	3896	3890	3883	3883	3886	3886
10	4080	4030	3981	3930	3877	3824	3772	3720	3665	3613	3562	3517	3482	3451	3428	3413	3408	3409	3417
15	4019	3944	3863	3769	3668	3562	3459	3347	3242	3142	3051	2971	2905	2853	2814	2792	2788	2788	2804
20	3994	3878	3747	3595	3434	3262	3096	2936	2786	2660	2572	2502	2452	2415	2392	2374	2375	2374	2381
25	3984	3827	3639	3428	3200	2974	2753	2568	2437	2341	2278	2233	2202	2180	2167	2153	2153	2156	2148
30	3991	3789	3553	3278	2987	2703	2458	2301	2204	2128	2079	2054	2038	2021	2004	2004	2005	2003	1996
35	4085	3827	3520	3170	2809	2462	2245	2115	2028	1972	1940	1912	1894	1883	1874	1877	1875	1874	1863
40	4081	3782	3456	3050	2605	2267	2076	1967	1882	1832	1797	1769	1754	1749	1740	1740	1741	1742	1727
45	4028	3707	3338	2887	2378	2054	1905	1810	1736	1682	1645	1615	1599	1593	1592	1597	1597	1598	1582
50	3958	3608	3203	2701	2169	1884	1740	1645	1580	1540	1488	1463	1447	1429	1425	1440	1450	1442	1422
55	3755	3422	3001	2471	1934	1679	1550	1464	1402	1371	1329	1298	1279	1280	1273	1292	1312	1298	1272
60	3372	3058	2677	2157	1662	1439	1328	1265	1219	1191	1165	1136	1125	1132	1137	1145	1166	1147	1124
65	2777	2535	2189	1754	1366	1172	1087	1037	1013	999	977	966	961	970	985	985	977	979	971
70	1829	1631	1438	1176	1011	889	815	783	781	774	762	753	764	708	578	521	511	513	559
75	828	672	601	570	567	556	529	510	518	521	502	425	291	219	207	187	174	184	196
80	190	200	212	214	118	97.1	96.2	78.2	154	206	174	123	88.7	74.4	69.7	65.8	66.6	63.4	62.8
85	26.9	26.5	24.9	21.2	20.0	18.2	17.2	16.3	15.4	16.3	16.5	25.0	21.7	15.7	12.0	11.4	10.8	10.5	9.63
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:0.4437A P:97.060W PF:0.9941 Freq:50.00Hz Lamp Flux:14893.9x1 lm																	
NAME: LED STREET LIGHT									TYPE:LED						WEIGHT:/		
SPEC.:/									DIM.: /						SERIAL No.:/		
MFR.:									SUR.:/						Shielding Angle:/		

Table--4

UNIT: cd

C(DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (DEC)																			
0	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157	4157				
5	3890	3895	3902	3909	3922	3933	3952	3964	3981	3999	4017	4035	4055	4080	4096				
10	3428	3455	3482	3520	3565	3610	3660	3709	3759	3812	3861	3910	3962	4007	4050				
15	2832	2878	2928	3000	3087	3172	3273	3369	3477	3585	3674	3758	3848	3926	3987				
20	2399	2433	2474	2538	2620	2724	2859	3001	3166	3328	3476	3617	3750	3865	3962				
25	2166	2182	2210	2252	2304	2385	2501	2661	2865	3070	3274	3467	3645	3804	3930				
30	2002	2017	2033	2049	2091	2144	2238	2366	2583	2824	3082	3326	3555	3757	3920				
35	1862	1871	1888	1904	1931	1967	2037	2140	2331	2606	2923	3239	3528	3774	3981				
40	1726	1732	1738	1759	1780	1817	1885	1968	2120	2396	2778	3163	3477	3756	4002				
45	1576	1577	1587	1605	1632	1675	1728	1803	1938	2179	2615	3048	3420	3725	4008				
50	1416	1428	1438	1453	1488	1525	1570	1649	1772	1992	2436	2919	3342	3690	4008				
55	1264	1269	1274	1290	1329	1349	1398	1475	1593	1780	2224	2751	3207	3563	3912				
60	1116	1109	1112	1130	1154	1169	1219	1278	1376	1552	1961	2487	2934	3277	3599				
65	956	944	946	951	968	982	1004	1055	1146	1301	1651	2113	2538	2799	3069				
70	678	748	743	750	762	769	775	809	888	998	1149	1428	1667	1842	2007				
75	211	273	415	492	526	523	515	535	567	585	581	624	701	871	892				
80	65.7	77.4	99.6	158	196	154	79.7	95.6	97.2	114	212	221	212	210	208				
85	11.8	16.0	17.6	11.6	12.7	12.7	14.4	15.8	17.0	18.7	19.3	22.1	27.2	27.4	21.8				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 27.4DEG  
Operators:  
Test Date:29 May 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.407.13  
Humidity: 53.3%  
Test Distance:26.000m [K=1.0000]  
Remarks: