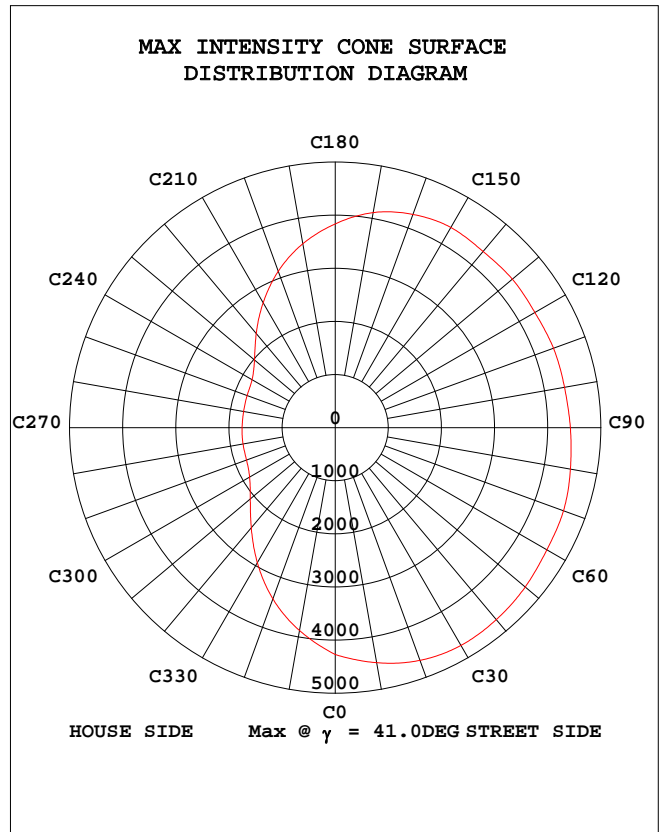
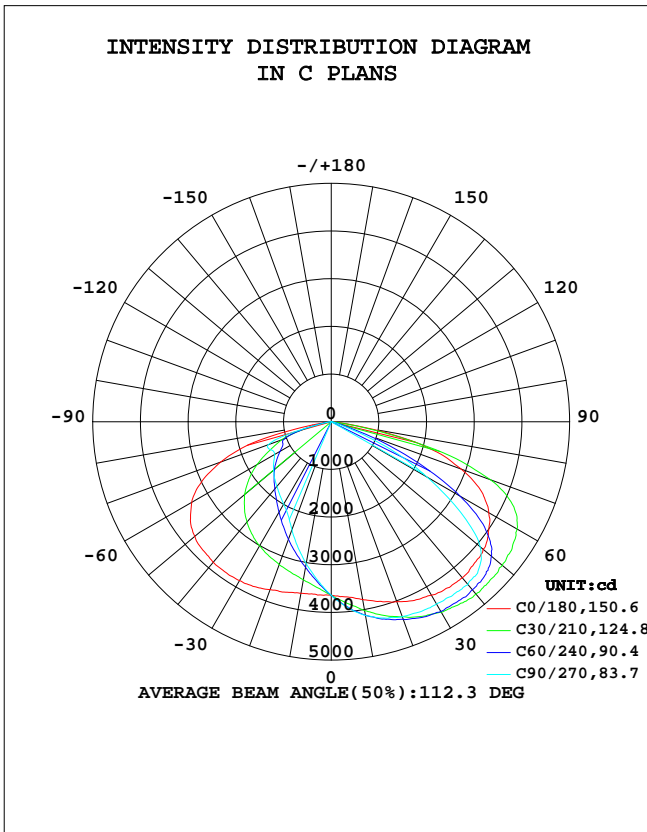


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.95 lm/W			
MODEL	ST-41-100W(JY-T3)	I _{max} (cd)	4733	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	62.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13745	η house_up(%)	0.0
NOMINAL FLUX(lm)	13744.9	MAXIMUM @(C,γ)	30,41.0	η house_down(%)	37.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	23.492

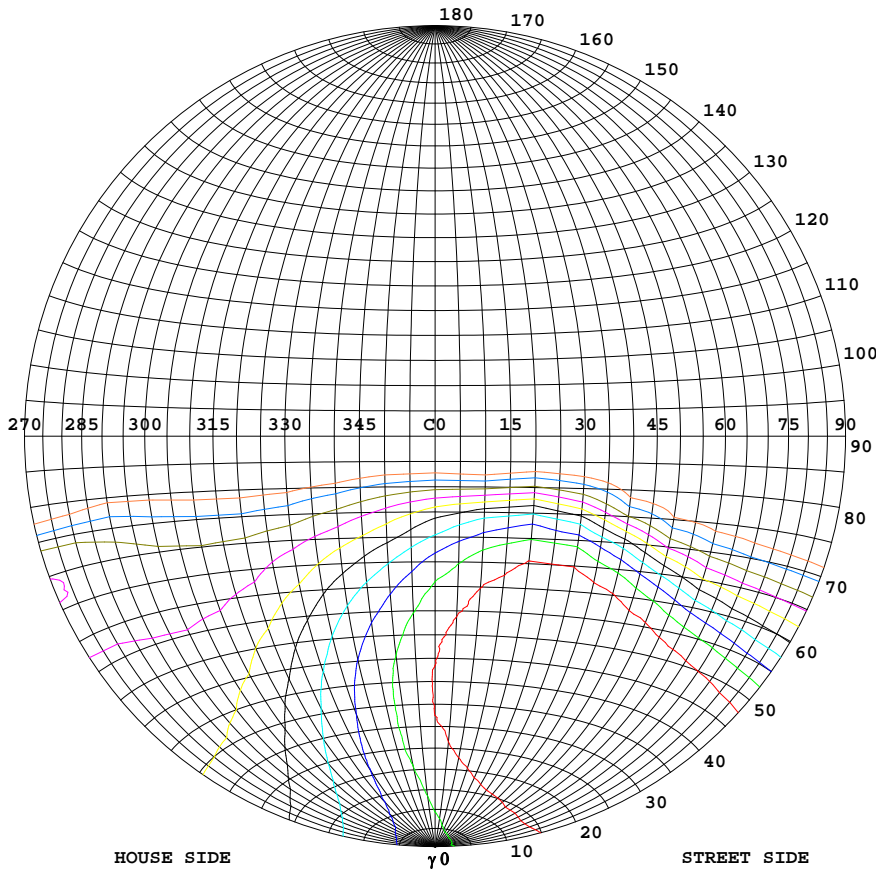


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:



Classification:

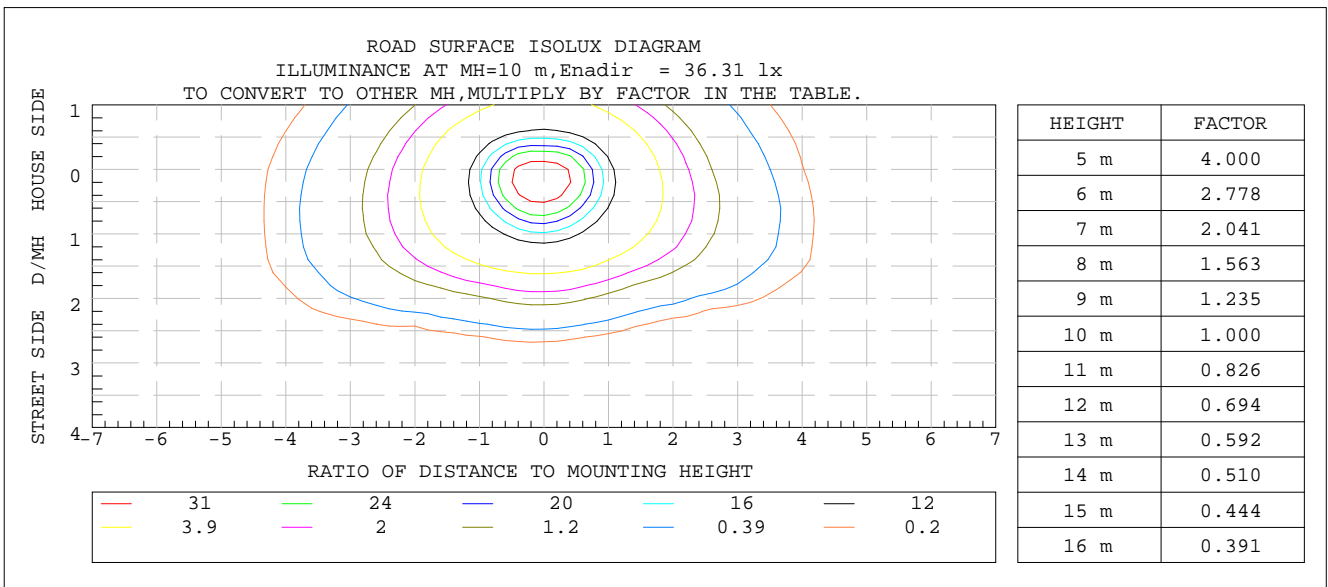
IES:Type III - Very Short
 CIE:Average - Short
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:74.43cd/klm
 Max.At90:0cd/klm
 Max.80-90:74.43cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4733
90%	4260
80%	3786
70%	3313
60%	2840
50%	2366
40%	1893
30%	1420
20%	947
10%	473
5%	237

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Link Chai
Test Date: 2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 60%
Test Distance: 26.000m [K=1.4046]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:

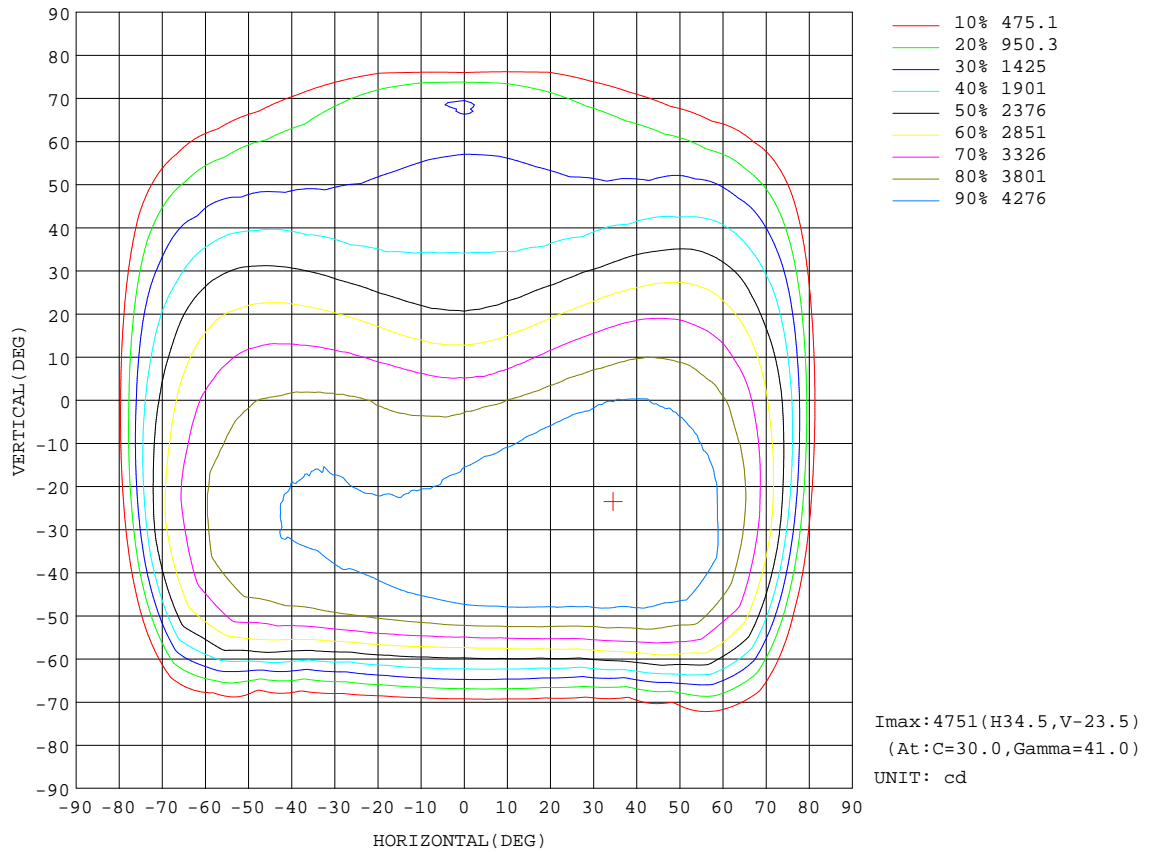
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	3784	4086	4121	3961	3654	3221	3022	3290	0- 10	347.6	347.6	2.53,2.53
20	4017	4427	4350	4172	3745	2877	2414	2996	10- 20	1030	1378	10,10
30	4199	4630	4412	4304	3847	2556	1998	2685	20- 30	1667	3044	22.1,22.1
40	4273	4695	4463	4346	3849	2189	1773	2315	30- 40	2220	5264	38.3,38.3
50	4161	4608	4077	4235	3737	1799	1579	1906	40- 50	2624	7888	57.4,57.4
60	3815	4025	2324	3542	3378	1344	1370	1459	50- 60	2684	10572	76.9,76.9
70	2893	1974	367.3	1467	2465	931.5	1403	1005	60- 70	2150	12721	92.6,92.6
80	779.4	98.79	34.70	57.07	404.9	124.2	126.1	155.7	70- 80	966.1	13687	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	57.45	13745	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13745	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13745	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13745	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13745	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13745	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13745	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13745	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13745	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13745	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

ISOCANDELA DIAGRAM

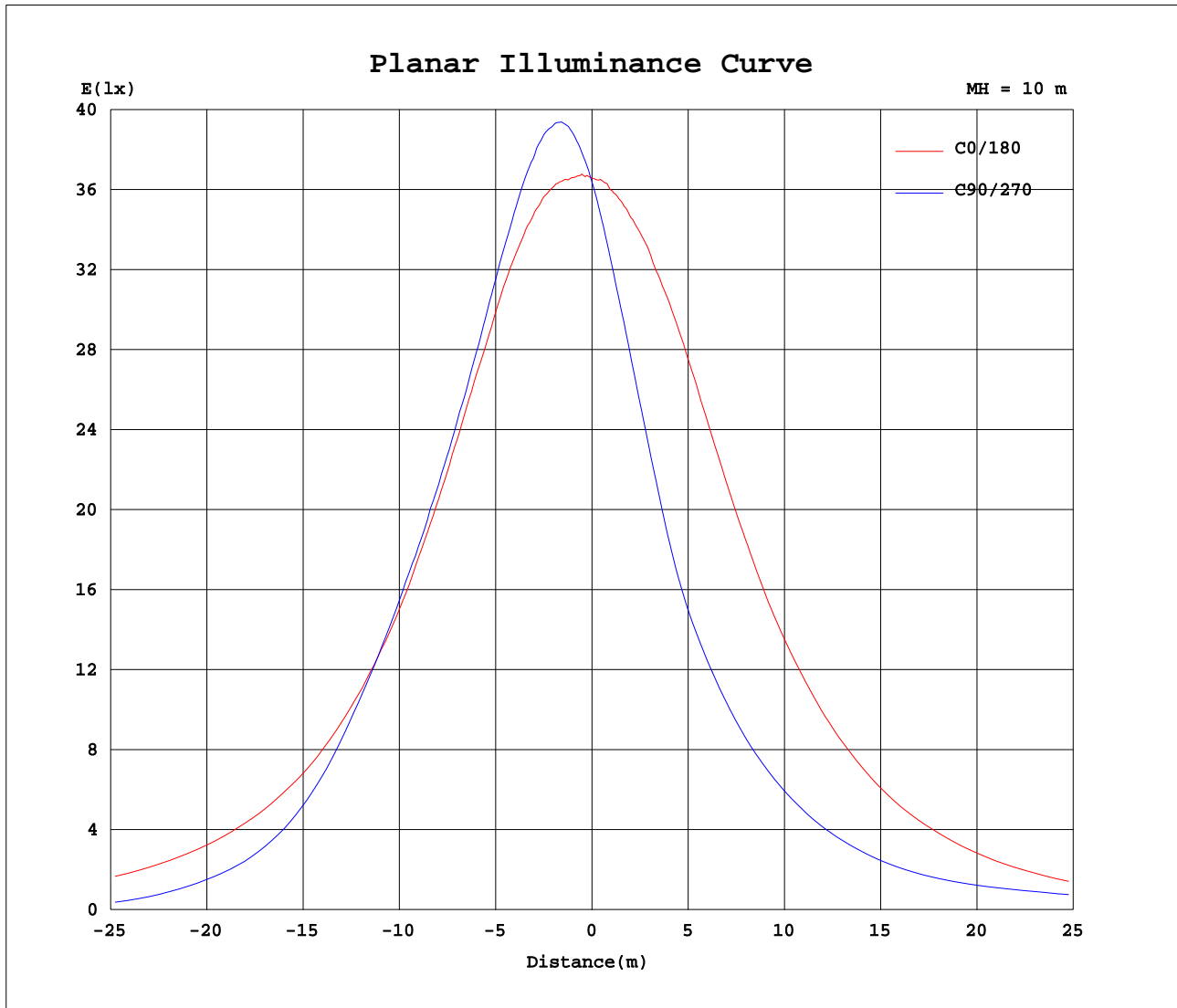
Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

Planar Illuminance Curve



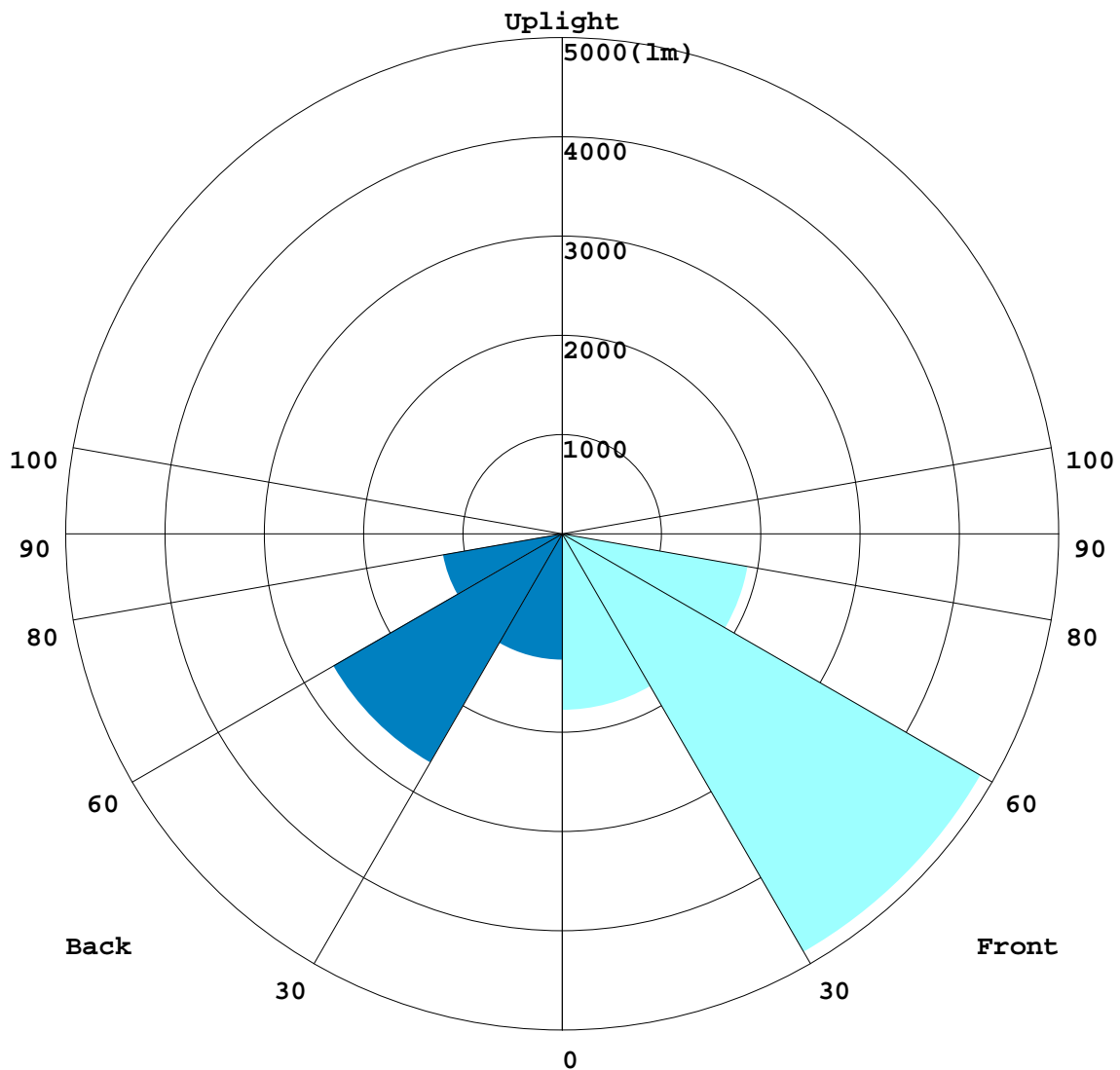
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Link Chai
Test Date: 2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 60%
Test Distance: 26.000m [K=1.4046]
Remarks:

LCS REPORT

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

BUG REPORT

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1775.1	12.9
FM - Front-Medium(30-60)	4866.8	35.4
FH - Front-High(60-80)	1898.3	13.8
FVH - Front-Very High(80-90)	30.097	0.2
Total Forward Light	8570.3	62.4

BL - Back-Low(0-30)	1269.3	9.2
BM - Back-Medium(30-60)	2660.5	19.4
BH - Back-High(60-80)	1217.5	8.9
BVH - Back-Very High(80-90)	27.35	0.2
Total Back Light	5174.6	37.6

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5174.6	0	5174.6
Street Side	8570.3	0	8570.3

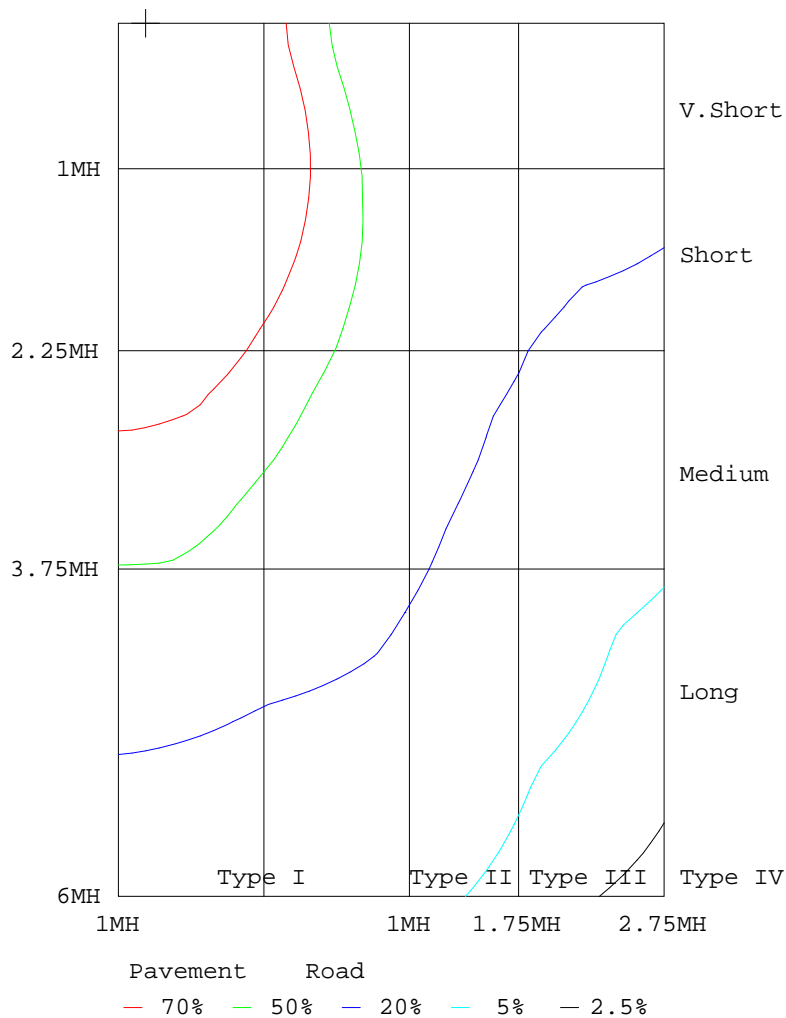
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639
5	3686	3746	3798	3823	3860	3878	3896	3928	3914	3907	3903	3887	3850	3832	3779	3752	3715	3667	3637
10	3784	3859	3960	4018	4070	4102	4116	4142	4133	4121	4087	4079	4038	3989	3934	3876	3804	3719	3654
15	3900	4010	4132	4202	4249	4284	4283	4312	4270	4262	4219	4200	4162	4100	4052	3980	3904	3806	3702
20	4017	4156	4291	4352	4416	4439	4409	4442	4370	4350	4306	4266	4247	4191	4154	4087	4002	3883	3745
25	4133	4295	4426	4503	4537	4547	4525	4518	4443	4399	4357	4323	4289	4264	4218	4186	4104	3978	3816
30	4199	4376	4554	4614	4628	4632	4592	4575	4465	4412	4384	4342	4317	4318	4290	4251	4181	4047	3847
35	4253	4441	4595	4678	4689	4672	4609	4588	4492	4442	4403	4364	4348	4337	4325	4322	4247	4092	3858
40	4273	4480	4668	4719	4723	4668	4604	4584	4482	4463	4403	4376	4351	4354	4337	4350	4284	4119	3849
45	4227	4480	4664	4707	4704	4640	4560	4519	4410	4375	4327	4315	4287	4313	4328	4347	4267	4103	3807
50	4161	4454	4630	4685	4654	4562	4387	4257	4119	4077	4049	4073	4128	4216	4255	4296	4240	4074	3737
55	4021	4370	4582	4632	4537	4317	3956	3679	3416	3311	3345	3489	3685	3951	4108	4217	4178	3972	3606
60	3815	4232	4464	4496	4285	3766	3117	2676	2418	2324	2363	2531	2819	3293	3791	4046	4046	3842	3378
65	3483	3991	4266	4228	3683	2761	1935	1595	1424	1372	1375	1479	1700	2247	3107	3720	3822	3577	3010
70	2893	3435	3738	3547	2588	1360	772	510	404	367	373	437	593	960	1976	2969	3291	3086	2465
75	2090	2536	2780	2256	968	271	176	151	126	119	118	134	160	212	445	1619	2435	2246	1689
80	779	811	1023	640	129	68.1	50.0	41.3	37.0	34.7	33.2	33.8	39.5	44.9	69.3	209	680	522	405
85	44.5	28.5	33.6	22.8	14.5	9.86	6.56	4.43	3.37	2.69	2.71	2.91	4.00	6.29	9.54	13.1	16.1	17.4	17.0
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: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.4634A P:100.4W PF:0.9842 Freq:50.01Hz Lamp Flux:13744.9x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639	3639		
5	3592	3534	3488	3446	3407	3369	3354	3334	3333	3344	3372	3403	3438	3491	3535	3589	3644		
10	3560	3456	3364	3271	3172	3103	3058	3019	3022	3038	3084	3157	3231	3348	3458	3566	3673		
15	3579	3426	3271	3120	2975	2856	2774	2723	2719	2740	2822	2914	3057	3229	3387	3570	3732		
20	3587	3396	3190	2974	2781	2626	2508	2433	2414	2458	2556	2693	2890	3103	3338	3582	3799		
25	3606	3364	3103	2849	2598	2399	2263	2174	2152	2190	2305	2473	2712	2984	3276	3588	3856		
30	3595	3313	3006	2702	2409	2191	2070	2012	1998	2020	2094	2262	2522	2848	3203	3556	3882		
35	3569	3250	2888	2530	2219	2004	1925	1883	1880	1892	1937	2065	2325	2679	3090	3518	3886		
40	3526	3153	2750	2352	2026	1843	1791	1773	1773	1782	1801	1894	2128	2502	2963	3453	3882		
45	3457	3036	2573	2150	1839	1697	1672	1668	1680	1681	1691	1736	1927	2295	2795	3331	3822		
50	3328	2862	2371	1941	1656	1553	1551	1564	1579	1579	1575	1593	1734	2078	2584	3162	3696		
55	3142	2622	2111	1697	1466	1399	1419	1449	1475	1473	1453	1450	1547	1826	2325	2930	3503		
60	2865	2324	1795	1428	1260	1239	1285	1333	1370	1374	1345	1316	1361	1557	2000	2627	3242		
65	2466	1906	1422	1158	1081	1119	1238	1341	1395	1378	1306	1229	1215	1320	1643	2185	2826		
70	1896	1392	1104	941	922	1042	1244	1373	1403	1337	1173	1025	973	1038	1282	1684	2224		
75	1262	857	556	448	490	582	712	728	681	728	689	576	523	528	684	1070	1550		
80	367	188	124	117	132	161	152	126	126	132	175	183	158	153	182	323	588		
85	18.4	19.5	20.4	21.8	24.0	29.1	29.5	24.8	22.5	24.5	33.4	36.0	32.1	29.2	27.9	29.1	36.5		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-08-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks: