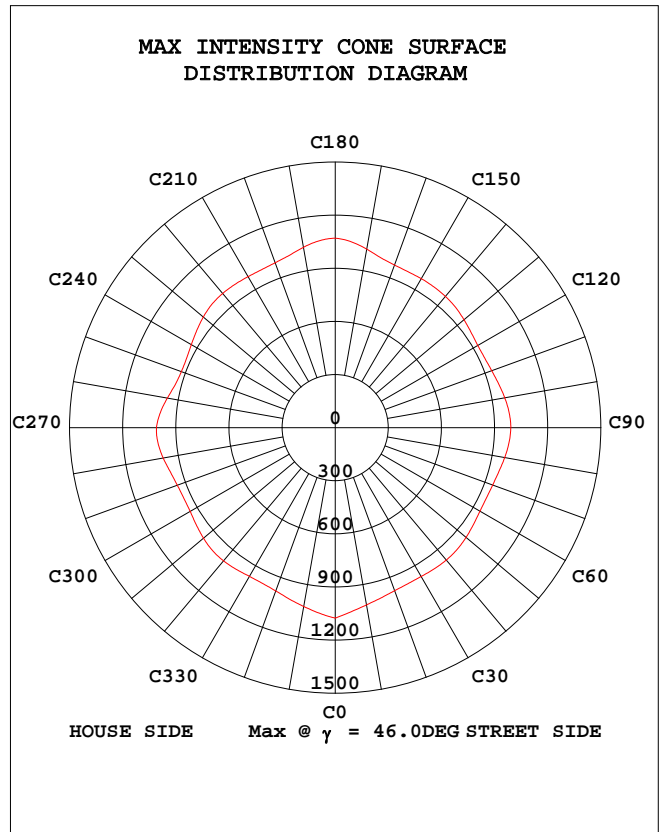
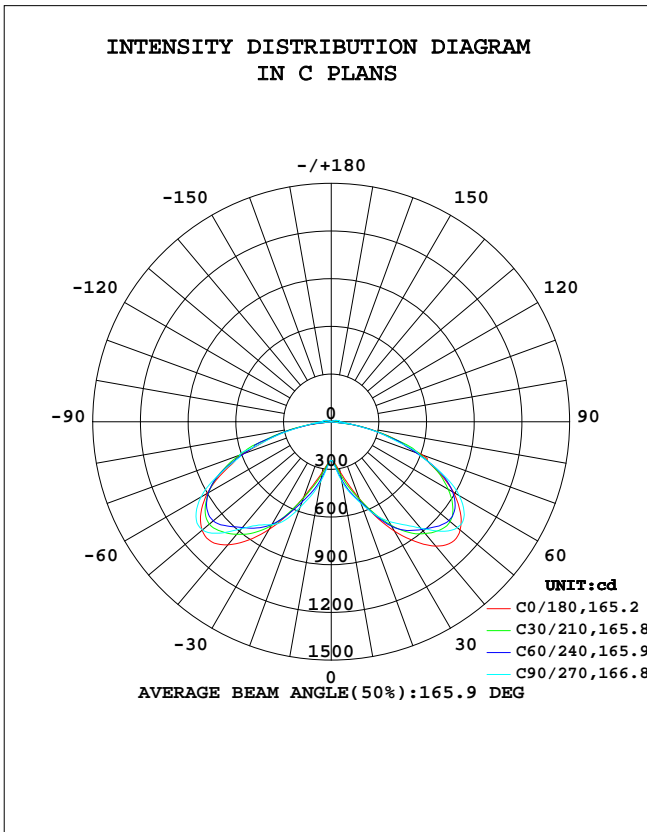


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.07 lm/W			
MODEL	T-05LED50-32	I _{max} (cd)	1076	η street_up(%)	1.3
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	48.5
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	3941	η house_up(%)	1.3
NOMINAL FLUX(lm)	3940.63	MAXIMUM @(C,γ)	0,46.0	η house_down(%)	48.9
LAMPS INSIDE	1	η up(%)	2.6	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.0	η down(%)	97.4	SLI	18.560



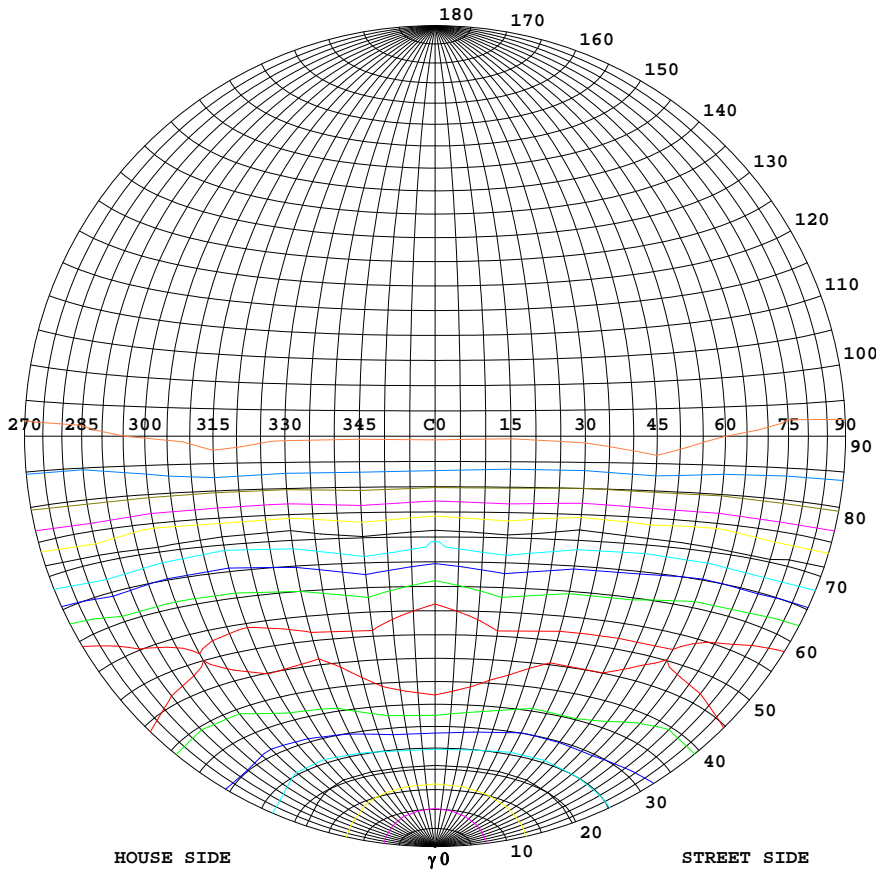
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators: CS01
 Test Date: 2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance: 26.000m [K=1.0000]
 Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



Classification:

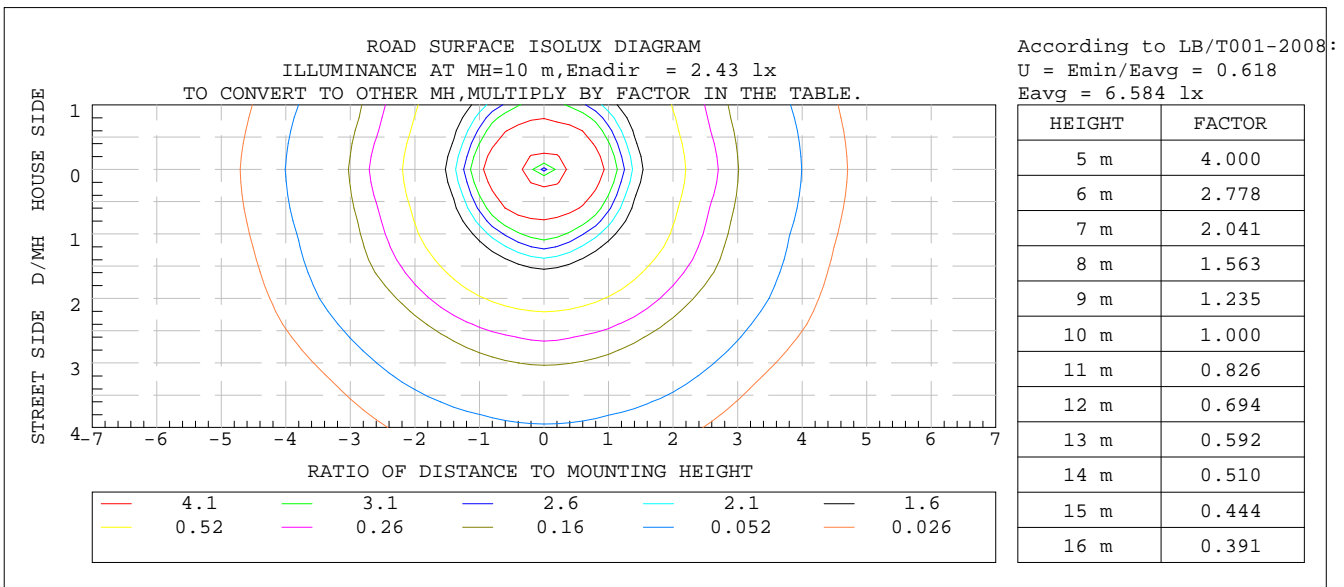
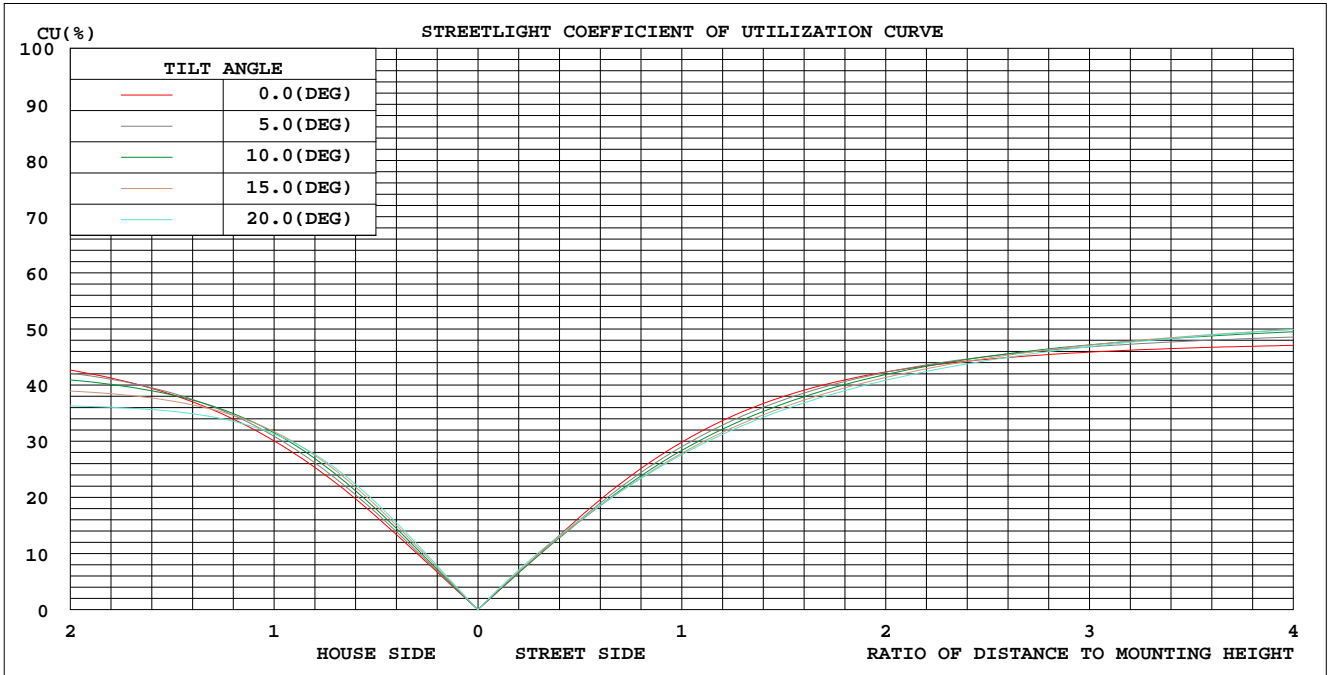
IES:Type V - Short
 CIE:Broad - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:56.92cd/klm
 Max.At90:15.86cd/klm
 Max.80-90:56.92cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1076
90%	968
80%	861
70%	753
60%	645
50%	538
40%	430
30%	323
20%	215
10%	108
5%	54

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators:CS01
 Test Date:2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance:26.000m [K=1.0000]
 Remarks: 5050 3000K

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.8DEG
Operators:CS01
Test Date:2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 46.1%
Test Distance:26.000m [K=1.0000]
Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	319.5	352.7	377.4	351.5	320.1	348.1	380.1	352.9	0- 10	28.72	28.72	0.73,0.73
20	513.0	526.0	545.8	520.9	502.1	521.8	572.4	527.7	10- 20	126.7	155.4	3.94,3.94
30	793.0	756.8	723.2	738.6	782.1	747.5	747.6	740.1	20- 30	300.5	456.0	11.6,11.6
40	1021	921.7	873.8	897.4	1011	915.6	878.3	911.1	30- 40	528.7	984.7	25,25
50	1058	978.3	1036	974.6	1061	1004	1058	999.4	40- 50	748.3	1733	44,44
60	888.4	852.0	930.4	860.4	899.8	886.8	946.2	879.4	50- 60	852.3	2585	65.6,65.6
70	608.3	588.1	583.9	603.7	600.1	615.0	613.9	605.3	60- 70	731.3	3317	84.2,84.2
80	207.6	205.4	195.2	205.3	207.3	211.6	202.8	202.0	70- 80	413.2	3730	94.6,94.7
90	49.47	43.09	61.85	42.07	47.82	42.85	61.96	48.38	80- 90	108.8	3839	97.4,97.4
100	28.30	35.75	50.45	34.86	27.33	34.52	49.92	34.59	90-100	47.25	3886	98.6,98.6
110	26.16	18.78	28.06	20.03	25.85	19.67	28.21	18.41	100-110	31.13	3917	99.4,99.4
120	7.319	14.12	8.064	15.44	8.395	14.01	9.446	17.19	110-120	16.50	3934	99.8,99.8
130	1.373	2.476	1.285	3.370	1.379	3.517	1.920	3.238	120-130	5.596	3939	100,100
140	1.178	0.6867	0.8709	0.6886	0.7765	0.3911	0.8641	0.3515	130-140	0.8707	3940	100,100
150	0.7770	0.5031	0.4859	0.5774	0.3585	0.3509	0.3646	0.2683	140-150	0.3931	3940	100,100
160	0.5004	0.2313	0.3209	0.4387	0.3442	0.3226	0.2894	0.2539	150-160	0.1874	3941	100,100
170	0.4749	0.2485	0.2669	0.3911	0.3300	0.2944	0.2061	0.2396	160-170	0.0929	3941	100,100
180	0.4114	0.2289	0.2290	0.2298	0.3200	0.2747	0.1832	0.2295	170-180	0.0284	3941	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

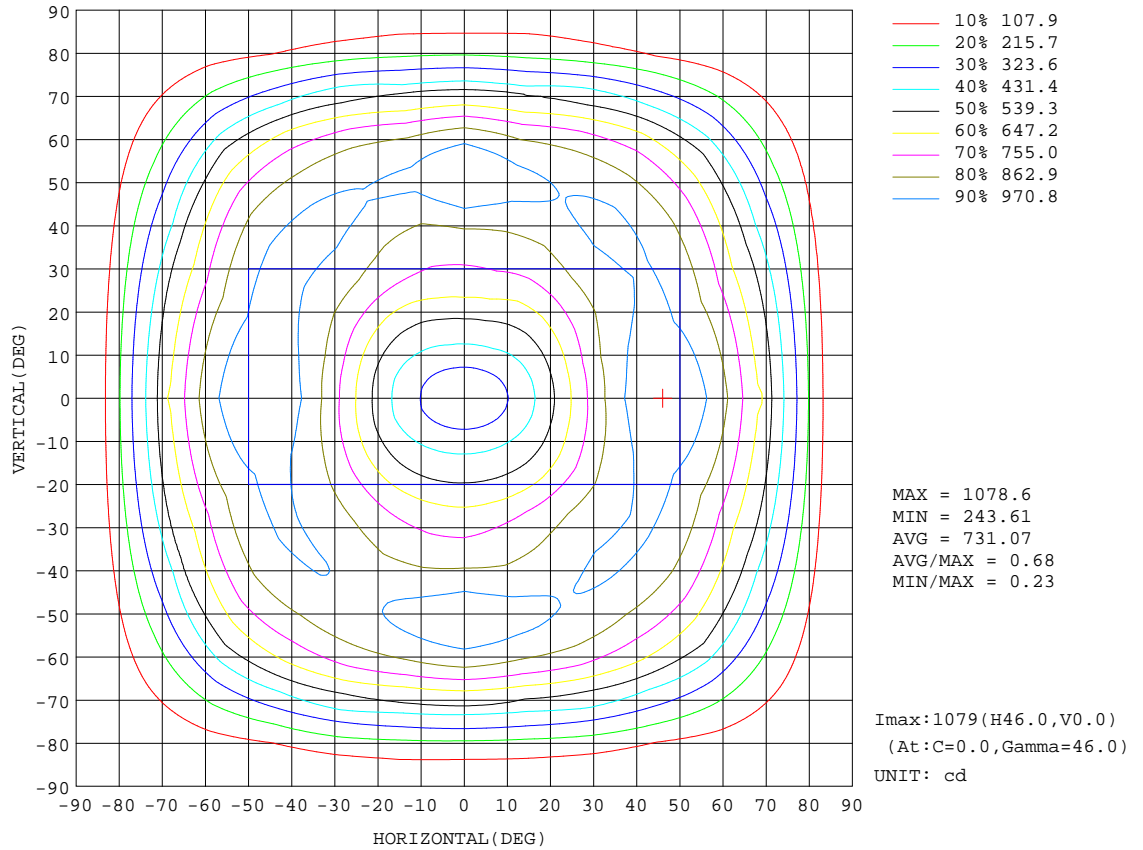
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators:CS01
 Test Date:2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance:26.000m [K=1.0000]
 Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

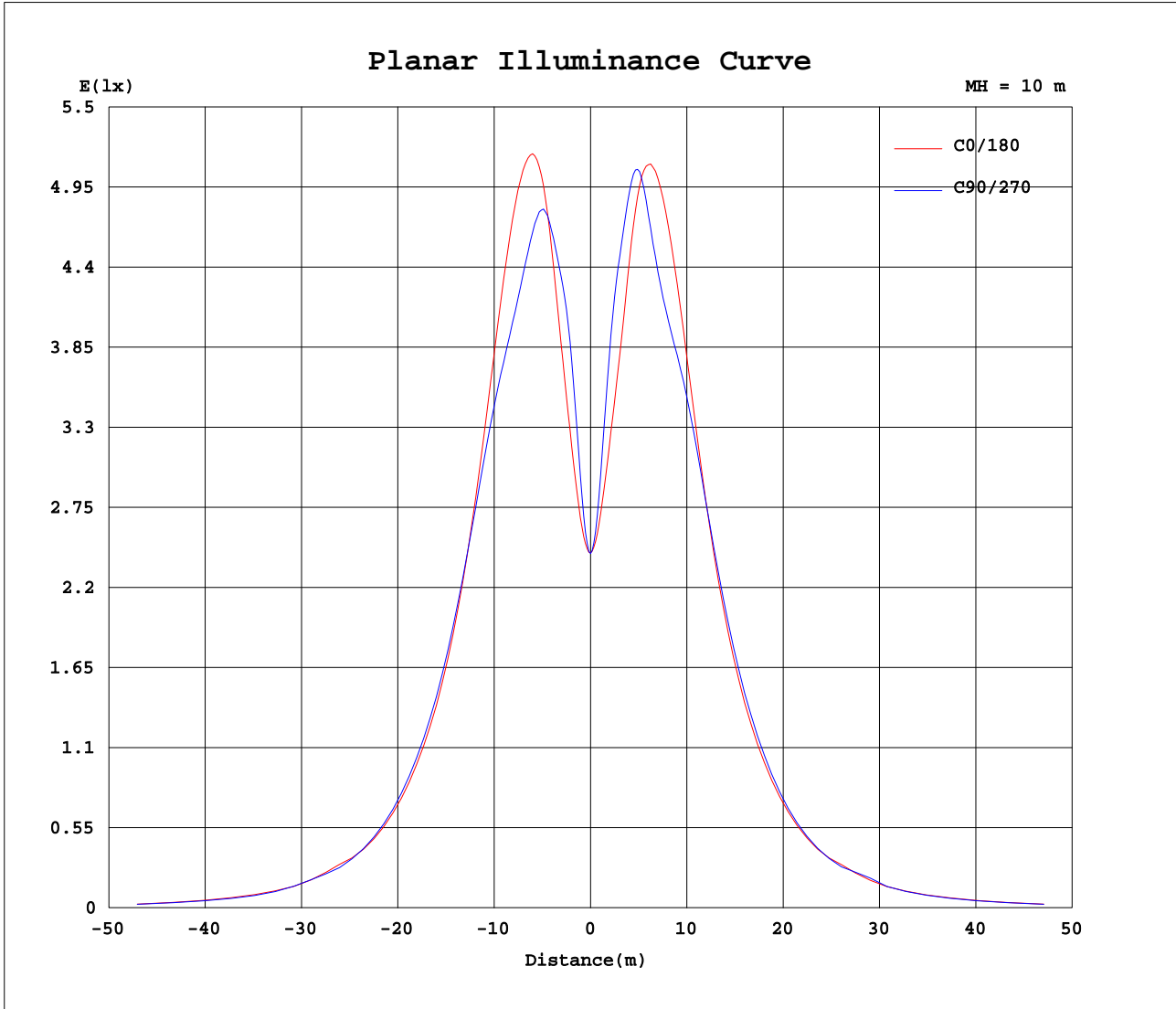
NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators: CS01
 Test Date: 2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance: 26.000m [K=1.0000]
 Remarks: 5050 3000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.8DEG
Operators:CS01
Test Date:2019-10-24

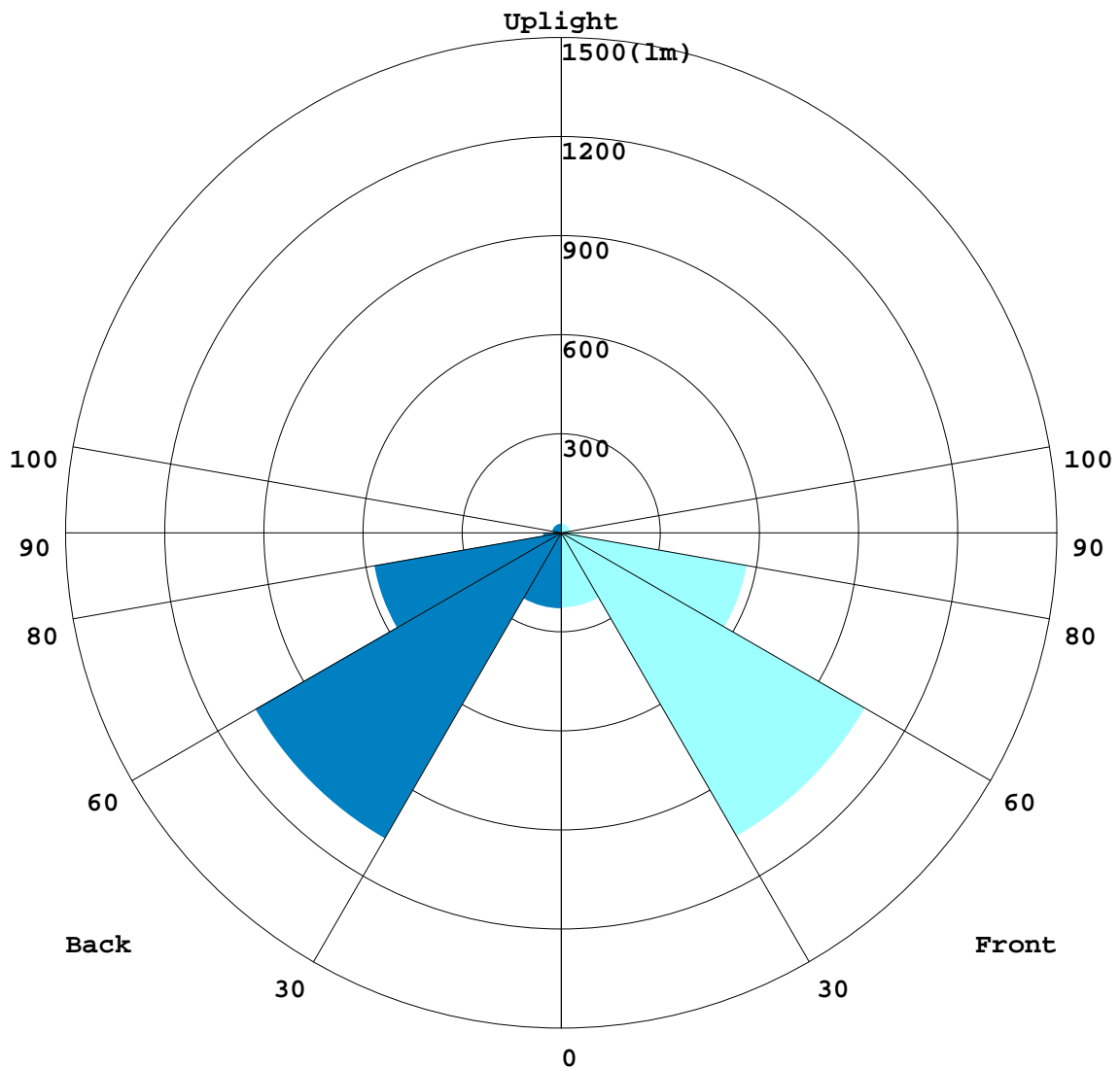
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 46.1%
Test Distance:26.000m [K=1.0000]
Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators:CS01
 Test Date:2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance:26.000m [K=1.0000]
 Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	226.83	5.8
FM - Front-Medium(30-60)	1061	26.9
FH - Front-High(60-80)	570.45	14.5
FVH - Front-Very High(80-90)	54.236	1.4
Total Forward Light	1963.6	49.8

BL - Back-Low(0-30)	229.16	5.8
BM - Back-Medium(30-60)	1068.4	27.1
BH - Back-High(60-80)	574.1	14.6
BVH - Back-Very High(80-90)	54.57	1.4
Total Back Light	1977.2	50.2

UL - Uplight-Low(90-100)	47.254	1.2
UH - Uplight-High(100-180)	54.799	1.4
Total Up Light	102.05	2.6

BUG(Back,Up,Glare) Rating	B2-U3-G1
----------------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1926.2	50.953	1977.2
Street Side	1912.5	51.1	1963.6

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators:CS01
 Test Date:2019-10-24

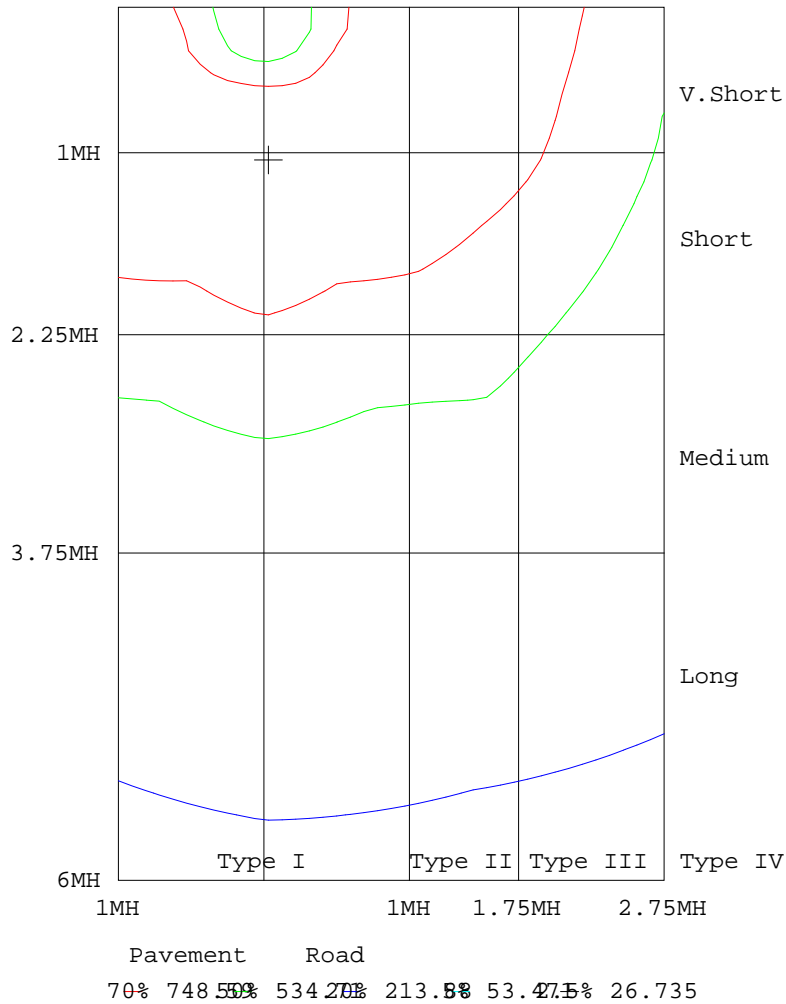
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance:26.000m [K=1.0000]
 Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators:CS01
 Test Date:2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance:26.000m [K=1.0000]
 Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
5	263	266	270	275	280	284	285	284	281	275	270	265	266	266	270	275	281	284	285
10	319	325	338	353	366	374	377	374	365	352	336	323	320	322	333	348	363	375	380
15	402	409	425	442	456	463	465	461	453	437	419	401	397	400	414	434	451	470	477
20	513	517	518	526	537	544	546	541	532	521	510	502	502	502	509	522	537	560	572
25	652	647	633	631	643	647	641	642	636	625	626	634	642	639	631	628	643	669	680
30	793	775	750	757	759	742	723	725	734	739	745	767	782	777	756	748	745	743	748
35	919	885	850	856	836	805	791	790	805	828	843	879	909	892	854	845	816	783	794
40	1021	960	918	922	885	866	874	860	864	897	916	956	1011	968	924	916	870	839	878
45	1073	994	964	967	933	942	974	941	920	954	965	991	1067	1004	976	976	928	919	991
50	1058	978	977	978	966	995	1036	993	956	975	981	981	1061	997	1001	1004	970	977	1058
55	991	914	934	935	951	980	1021	978	943	939	945	923	1001	938	968	965	955	966	1040
60	888	818	850	852	881	895	930	898	879	860	867	829	900	841	891	887	893	890	946
65	739	689	737	741	758	742	765	752	767	752	757	698	748	703	776	779	774	738	772
70	608	561	588	588	567	545	584	556	585	604	602	557	600	567	617	615	583	553	614
75	400	378	405	386	382	366	374	372	408	398	410	372	393	374	416	399	396	372	381
80	208	207	216	205	205	194	195	201	216	205	222	207	207	205	224	212	206	201	203
85	82.4	85.8	77.9	63.7	80.9	90.9	90.8	93.1	82.4	64.9	77.5	85.0	81.4	84.0	78.9	64.9	86.9	101	101
90	49.5	51.0	48.9	43.1	53.6	61.6	61.8	61.5	53.9	42.1	47.1	49.2	47.8	49.4	49.4	42.8	52.4	62.5	62.0
95	35.6	37.1	40.2	43.1	48.9	52.7	51.9	52.7	48.1	41.5	39.4	36.8	34.9	36.6	41.4	41.7	46.2	50.9	52.0
100	28.3	28.6	29.9	35.8	39.3	47.6	50.5	47.2	39.1	34.9	28.7	28.2	27.3	27.5	30.1	34.5	39.4	47.0	49.9
105	21.2	22.3	23.3	30.4	33.0	35.4	35.4	36.0	33.6	30.9	23.4	18.4	18.4	18.3	23.8	32.0	34.6	36.1	36.8
110	26.2	24.4	18.8	18.8	24.2	27.2	28.1	27.6	23.9	20.0	21.7	22.8	25.9	24.5	18.9	19.7	24.3	26.9	28.2
115	16.5	14.9	16.1	15.3	16.8	16.5	17.6	17.3	17.7	16.2	17.7	14.4	17.8	15.8	16.3	14.7	16.4	16.6	17.6
120	7.32	7.52	11.0	14.1	11.7	8.63	8.06	9.67	13.1	15.4	12.1	7.75	8.39	8.04	11.3	14.0	12.8	9.68	9.45
125	2.43	3.08	6.43	9.47	6.82	3.50	2.39	4.09	8.14	10.9	6.95	3.31	2.37	2.97	6.12	10.6	8.14	4.66	3.66
130	1.37	1.66	2.25	2.48	2.25	1.51	1.28	1.98	2.83	3.37	2.91	1.66	1.38	1.18	2.55	3.52	3.01	2.24	1.92
135	1.23	1.14	1.04	0.78	0.95	0.94	1.10	0.87	0.87	0.78	1.04	1.15	0.95	0.93	0.90	0.54	0.78	1.17	1.30
140	1.18	1.09	0.95	0.69	0.87	0.81	0.87	0.82	0.84	0.69	0.98	1.10	0.78	0.87	0.83	0.39	0.55	0.68	0.86
145	1.05	0.92	0.87	0.58	0.69	0.78	0.69	0.73	0.65	0.64	0.83	0.92	0.37	0.46	0.46	0.36	0.36	0.36	0.40
150	0.78	0.69	0.50	0.50	0.50	0.57	0.49	0.50	0.51	0.58	0.70	0.78	0.36	0.36	0.23	0.35	0.34	0.31	0.36
155	0.59	0.55	0.46	0.41	0.45	0.44	0.42	0.39	0.28	0.51	0.55	0.58	0.35	0.36	0.23	0.34	0.32	0.29	0.33
160	0.50	0.48	0.43	0.23	0.32	0.27	0.32	0.34	0.27	0.44	0.50	0.46	0.34	0.35	0.23	0.32	0.30	0.28	0.29
165	0.49	0.43	0.42	0.26	0.29	0.25	0.29	0.32	0.26	0.41	0.43	0.40	0.34	0.34	0.23	0.31	0.28	0.26	0.22
170	0.47	0.40	0.41	0.25	0.27	0.22	0.27	0.32	0.24	0.39	0.42	0.38	0.33	0.33	0.23	0.29	0.25	0.25	0.21
175	0.46	0.38	0.35	0.23	0.24	0.19	0.24	0.32	0.23	0.37	0.37	0.37	0.32	0.32	0.23	0.28	0.23	0.23	0.19
180	0.41	0.46	0.32	0.23	0.23	0.18	0.23	0.32	0.23	0.23	0.28	0.28	0.32	0.37	0.28	0.27	0.23	0.23	0.18

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators:CS01
 Test Date:2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance:26.000m [K=1.0000]
 Remarks: 5050 3000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: T-05LED50-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	243	243	243	243	243														
5	284	281	276	271	267														
10	378	370	353	337	327														
15	474	463	440	423	411														
20	568	545	528	522	521														
25	675	637	628	640	657														
30	752	734	740	760	796														
35	804	811	836	853	909														
40	869	872	911	918	978														
45	951	934	972	963	1003														
50	996	970	999	977	983														
55	971	949	960	939	918														
60	882	882	879	862	822														
65	728	763	772	747	685														
70	542	569	605	594	550														
75	362	379	393	404	371														
80	194	192	202	207	193														
85	103	91.4	66.5	74.1	81.9														
90	60.1	51.0	48.4	48.2	49.3														
95	52.6	48.4	42.0	40.1	36.6														
100	45.3	38.7	34.6	27.1	28.0														
105	36.8	34.8	30.0	25.2	22.6														
110	26.7	22.4	18.4	24.0	21.5														
115	16.4	18.1	17.8	16.6	13.0														
120	10.5	14.9	17.2	11.3	6.38														
125	5.62	9.48	11.0	6.70	2.48														
130	2.51	3.11	3.24	2.65	1.20														
135	0.87	1.15	0.50	1.39	1.02														
140	0.87	0.80	0.35	0.92	0.87														
145	0.82	0.37	0.28	0.45	0.37														
150	0.39	0.36	0.27	0.43	0.32														
155	0.36	0.35	0.26	0.41	0.31														
160	0.33	0.35	0.25	0.39	0.30														
165	0.30	0.34	0.25	0.37	0.29														
170	0.27	0.33	0.24	0.35	0.29														
175	0.24	0.32	0.23	0.33	0.28														
180	0.23	0.32	0.23	0.32	0.28														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.8DEG
 Operators:CS01
 Test Date:2019-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 46.1%
 Test Distance:26.000m [K=1.0000]
 Remarks: 5050 3000K