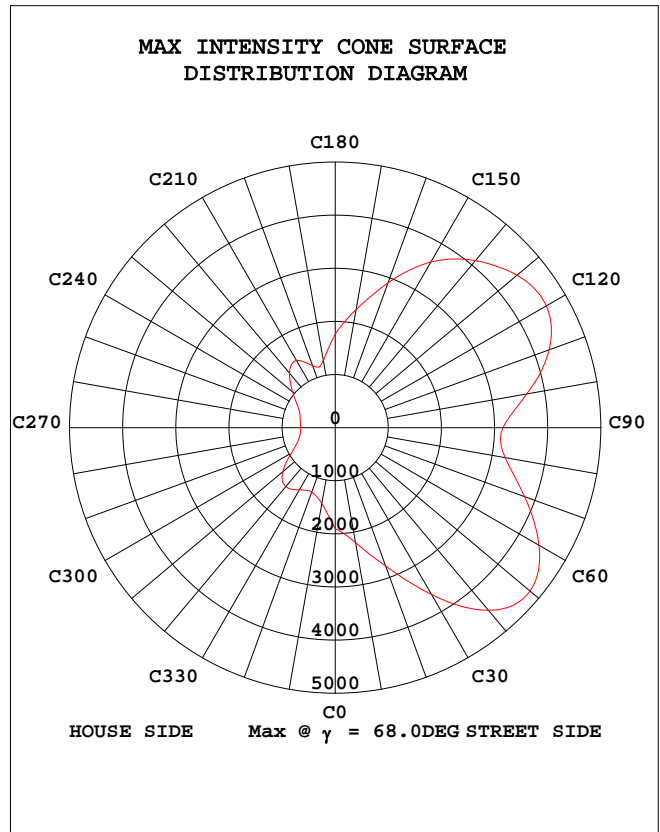
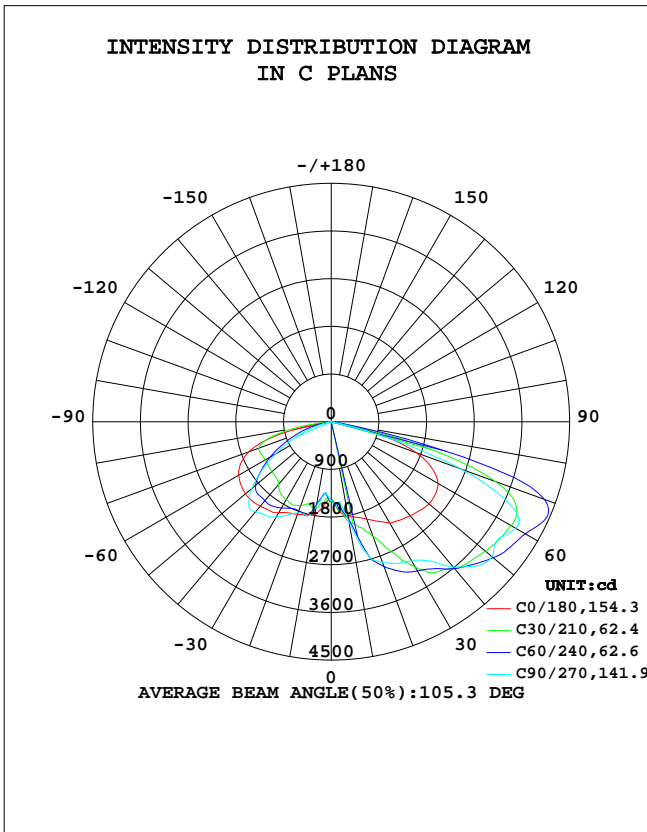


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.96 lm/W			
MODEL	5050 40K RA70 T4D L	I _{max} (cd)	4731	η street_up(%)	0.1
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	67.4
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	11660	η house_up(%)	0.2
NOMINAL FLUX(lm)	11659.9	MAXIMUM @(C,γ)	45,68.0	η house_down(%)	32.3
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230.0	η down(%)	99.7	SLI	19.083



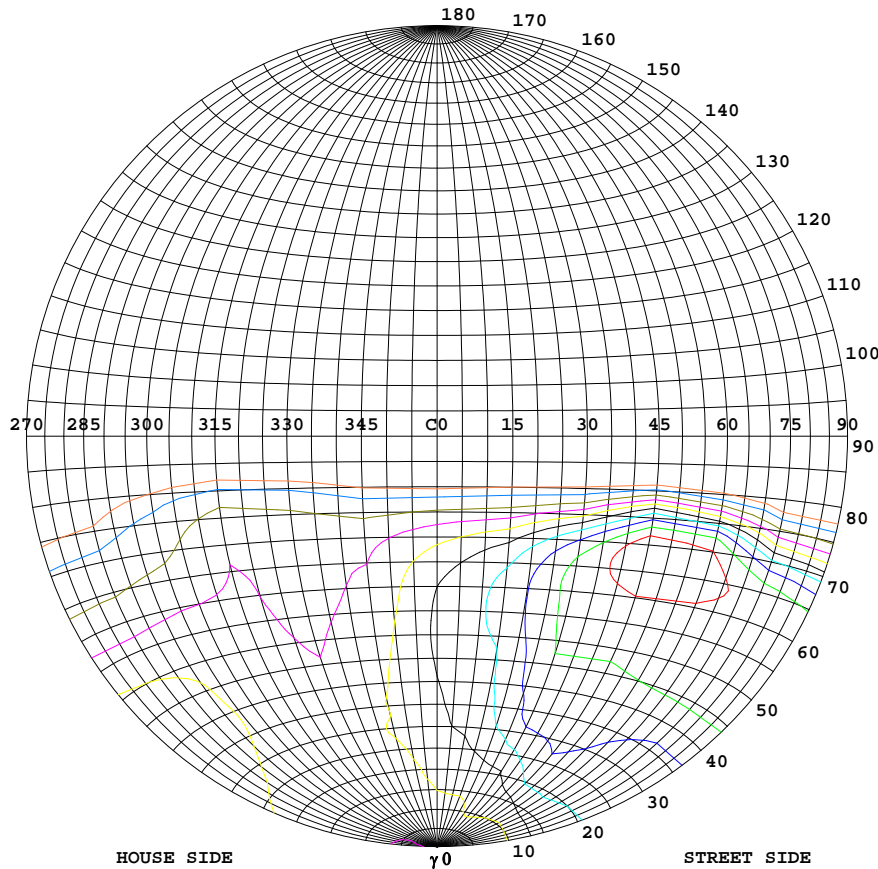
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



Classification:

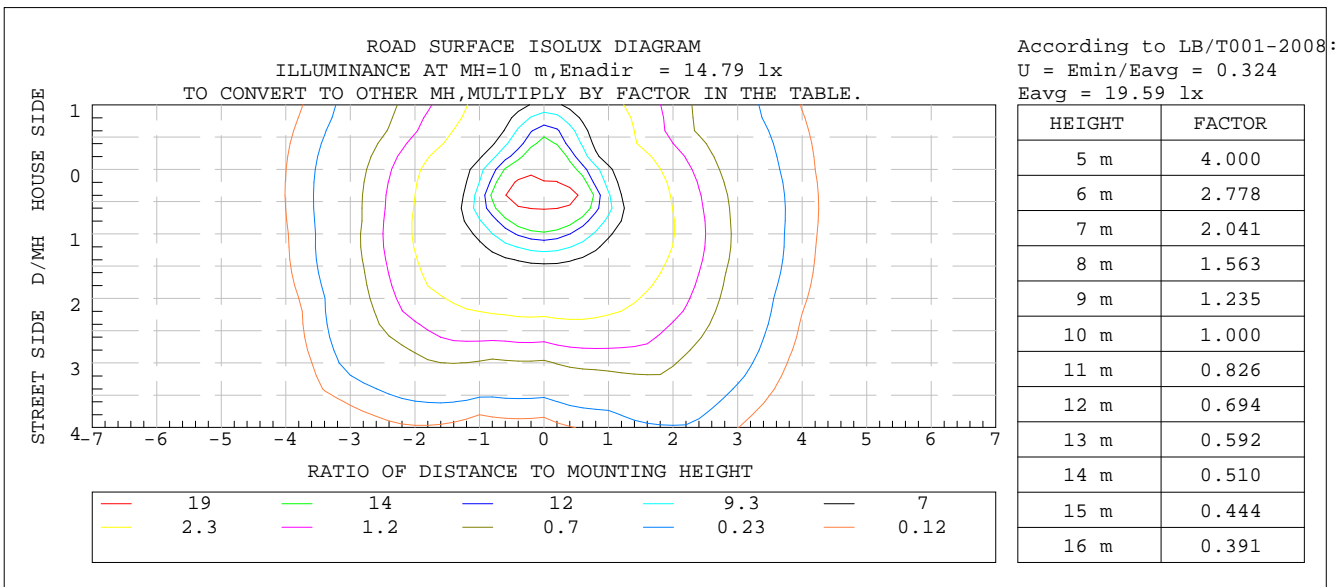
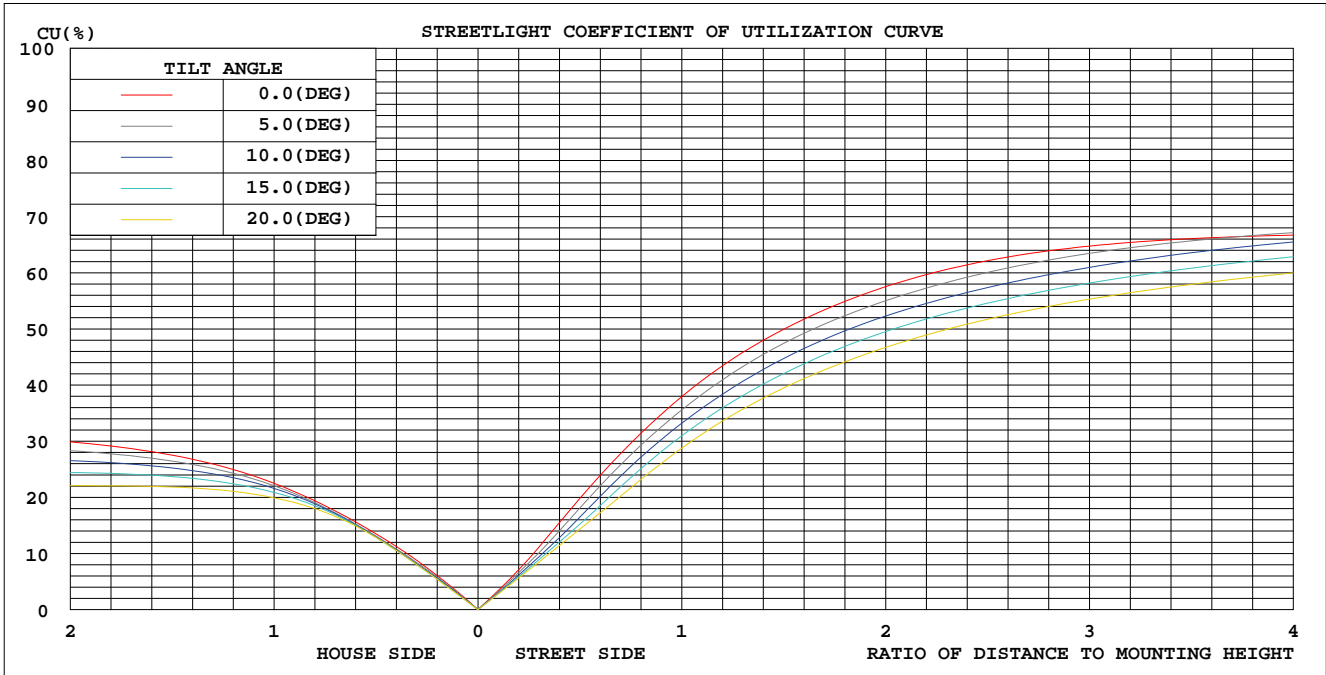
IES:Type IV - Short
 CIE:Broad - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:86.09cd/klm
 Max.At90:0.6406cd/klm
 Max.80-90:86.09cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4731
90%	4258
80%	3785
70%	3312
60%	2838
50%	2365
40%	1892
30%	1419
20%	946
10%	473
5%	237

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 0.0DEG
Operators:CS01
Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 0.0%
Test Distance:26.000m [K=1.0000]
Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	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	1823	1891	1919	1857	1786	1550	1624	1677	0- 10	155.1	155.1	1.33,1.33
20	1957	2871	2826	2678	1861	1795	1830	1835	10- 20	569.0	724.1	6.21,6.21
30	2209	3406	3035	3333	1980	1699	2075	1696	20- 30	1059	1783	15.3,15.3
40	2316	3664	3582	3621	2083	1766	2218	1634	30- 40	1572	3355	28.8,28.8
50	2409	3864	3962	3757	2115	1689	1958	1571	40- 50	2038	5393	46.3,46.3
60	2328	4232	4021	3934	2017	1488	1210	1483	50- 60	2334	7727	66.3,66.3
70	1709	4599	2602	4267	1650	1134	522.8	1377	60- 70	2427	10154	87.1,87.1
80	183.7	526.6	69.72	897.9	407.4	555.5	46.36	509.7	70- 80	1403	11558	99.1,99.1
90	2.811	5.654	3.279	7.215	4.443	6.471	2.961	6.683	80- 90	69.97	11627	99.7,99.7
100	2.757	4.298	2.181	5.117	4.947	6.984	4.783	7.727	90-100	5.657	11633	99.8,99.8
110	4.129	4.140	2.908	4.441	4.646	6.727	7.218	7.987	100-110	5.515	11639	99.8,99.8
120	4.543	3.984	3.635	3.656	4.646	7.710	8.100	6.890	110-120	5.270	11644	99.9,99.9
130	4.443	3.520	4.154	3.550	4.646	6.158	7.787	6.108	120-130	4.801	11649	99.9,99.9
140	4.441	3.512	4.516	3.446	4.542	6.209	7.633	6.213	130-140	3.974	11653	99.9,99.9
150	3.982	3.982	4.621	3.913	4.288	6.105	6.905	5.631	140-150	3.193	11656	100,100
160	4.237	3.983	4.153	4.020	4.799	5.019	5.452	4.960	150-160	2.181	11658	100,100
170	4.695	4.338	4.411	4.227	5.360	5.330	6.178	5.534	160-170	1.326	11659	100,100
180	4.952	4.812	5.295	4.857	5.309	4.809	5.296	5.219	170-180	0.4779	11660	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

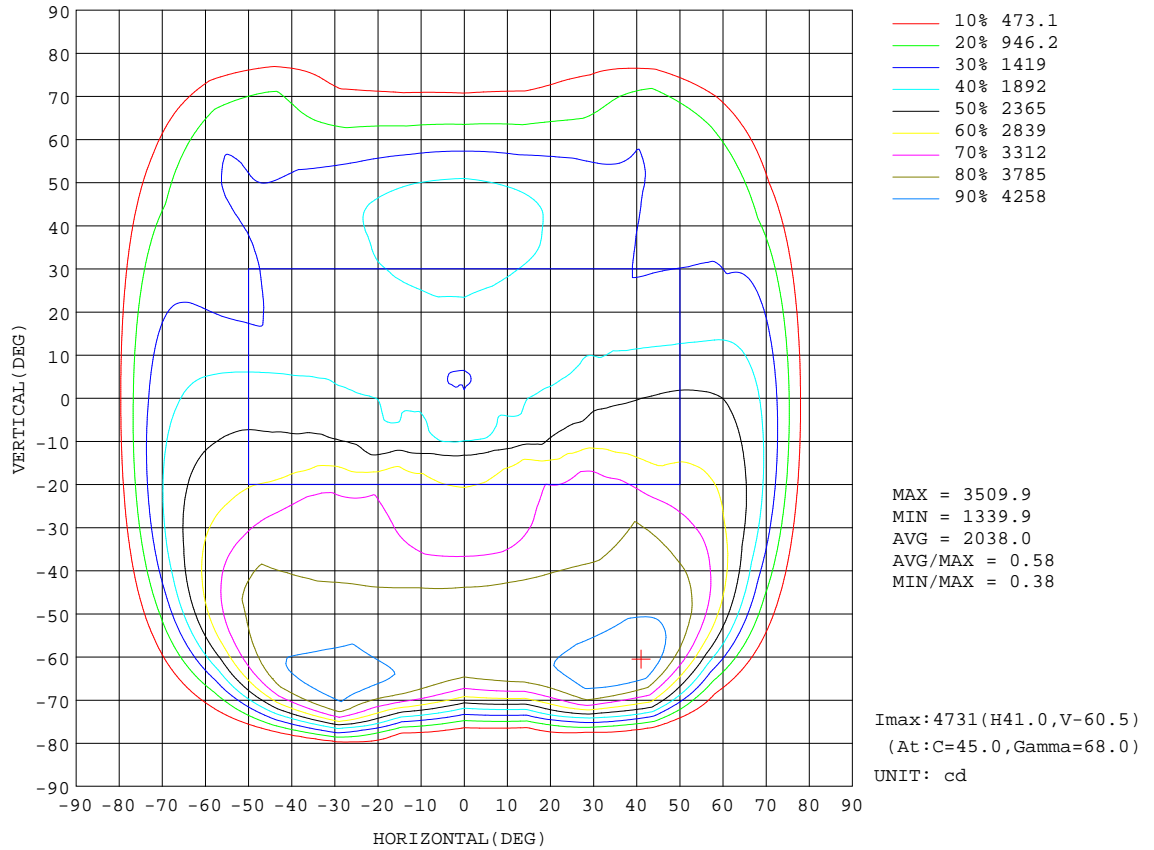
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

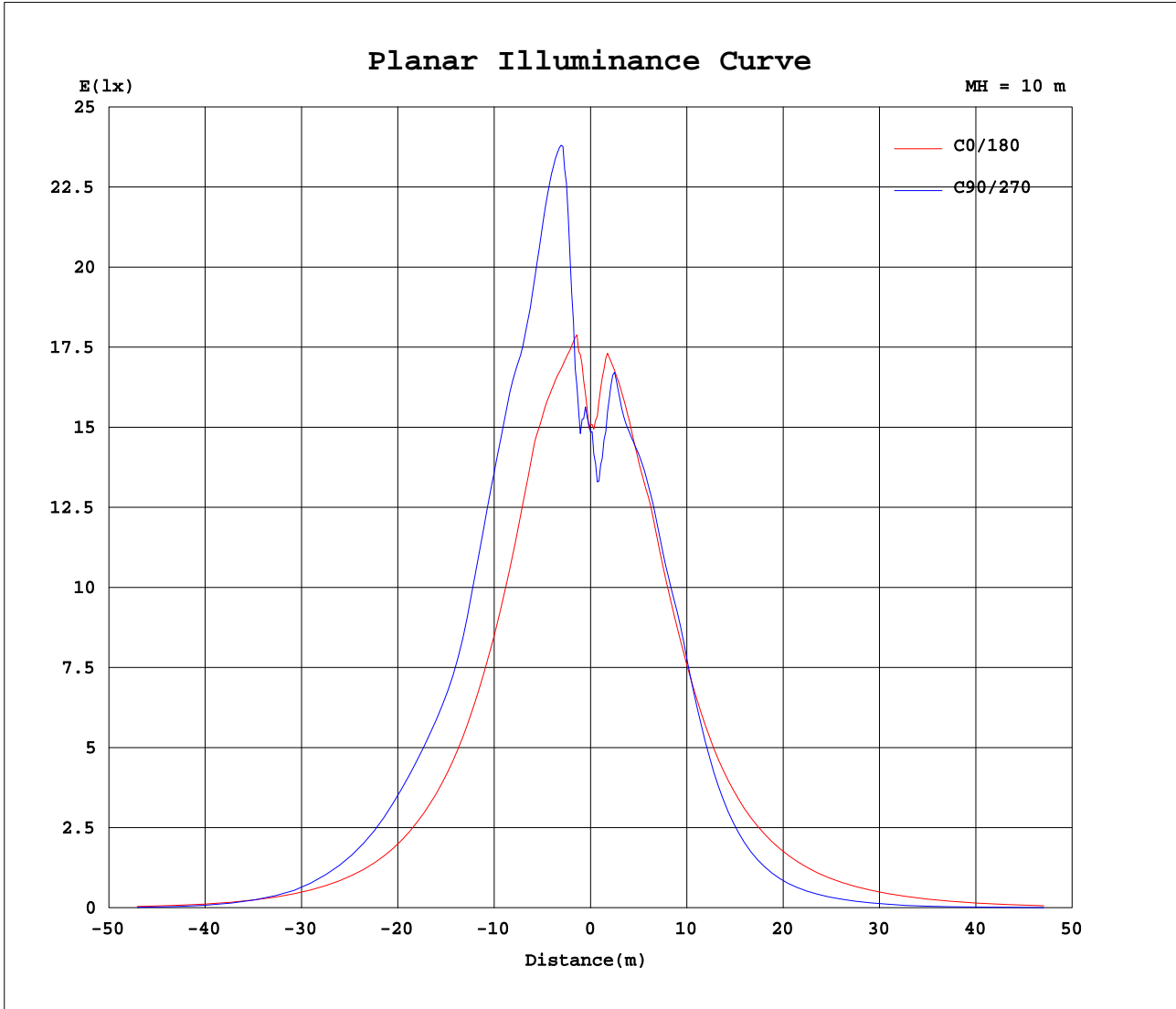
Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 0.0DEG
Operators:CS01
Test Date:2021-07-31

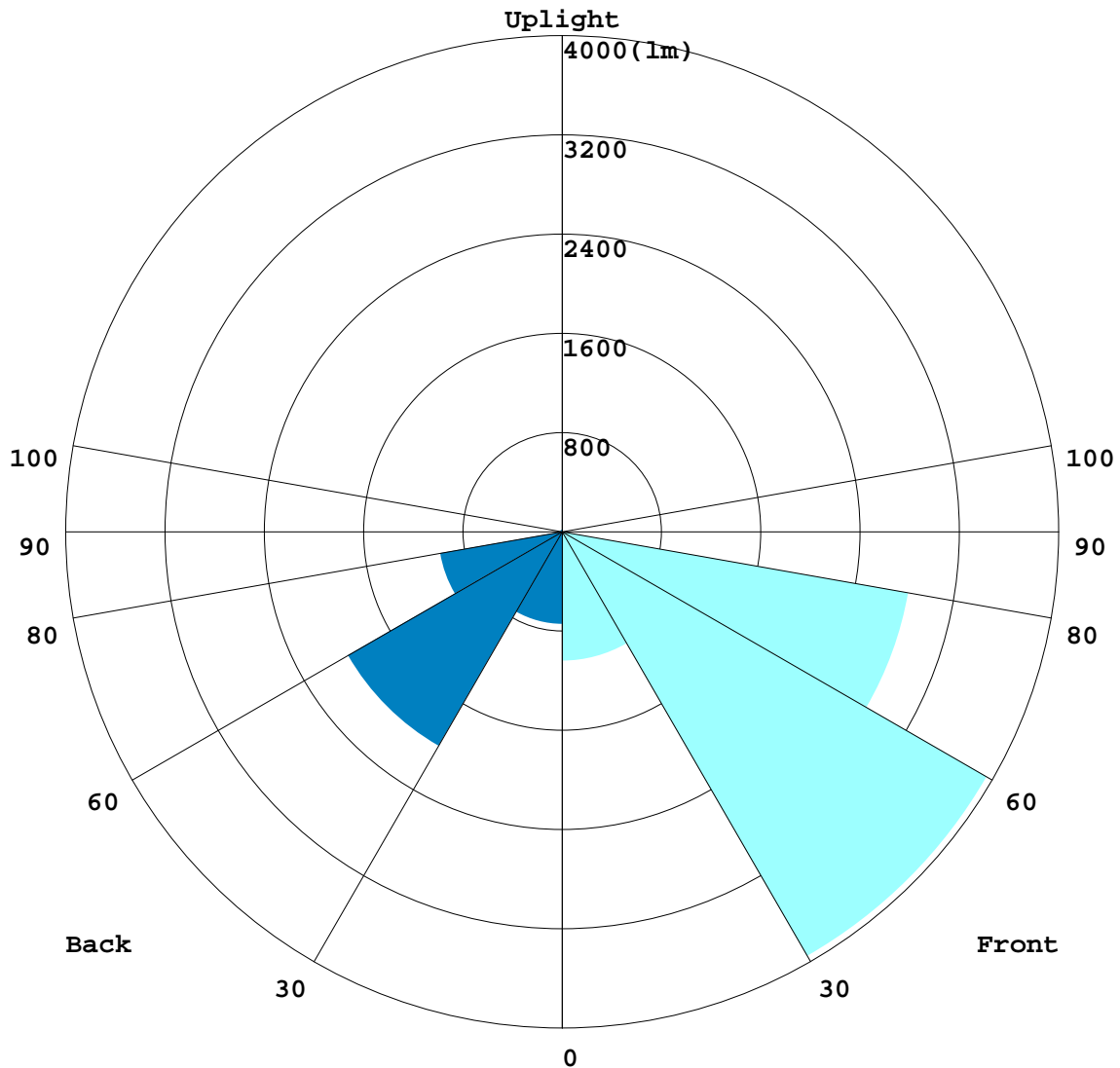
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 0.0%
Test Distance:26.000m [K=1.0000]
Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	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: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1039.9	8.9
FM - Front-Medium(30-60)	3950.4	33.9
FH - Front-High(60-80)	2832.1	24.3
FVH - Front-Very High(80-90)	34.394	0.3
Total Forward Light	7869.7	67.5

BL - Back-Low(0-30)	743.44	6.4
BM - Back-Medium(30-60)	1993.4	17.1
BH - Back-High(60-80)	998.31	8.6
BVH - Back-Very High(80-90)	35.574	0.3
Total Back Light	3790.2	32.5

UL - Uplight-Low(90-100)	5.6567	0.0
UH - Uplight-High(100-180)	26.738	0.2
Total Up Light	32.395	0.3

BUG(Back,Up,Glare) Rating	B2-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3770.7	19.47	3790.2
Street Side	7856.8	12.925	7869.7

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

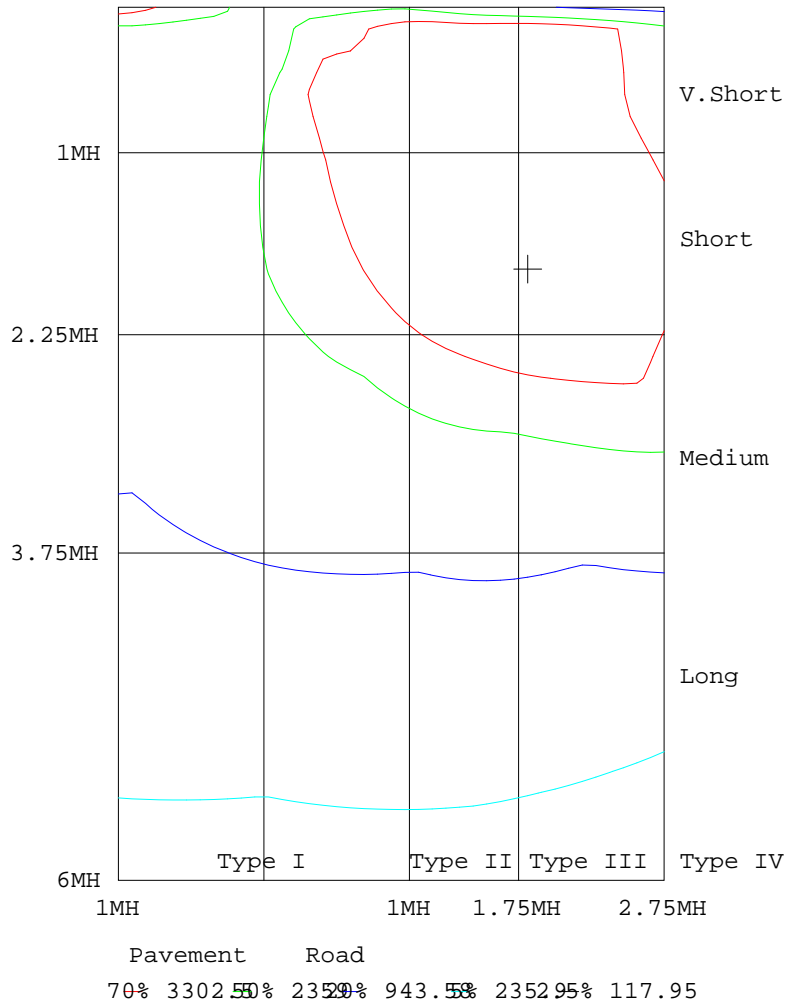
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	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: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	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	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488
5	1689	1676	1698	1643	1651	1563	1546	1570	1548	1574	1647	1633	1575	1554	1524	1407	1348	1375	1350
10	1823	1818	1912	1891	1825	1906	1919	1836	1824	1857	1890	1899	1786	1736	1639	1550	1581	1609	1624
15	1867	1922	2070	2239	2535	2576	2562	2534	2414	2087	2040	1920	1816	1720	1617	1803	1834	1842	1831
20	1957	2131	2310	2871	2906	2845	2826	2840	2863	2678	2173	1965	1861	1716	1684	1795	1795	1827	1830
25	2074	2346	2721	3215	3119	2987	2949	3000	3081	3091	2380	2178	1900	1702	1727	1715	1809	1915	1937
30	2209	2546	3166	3406	3254	3077	3035	3098	3247	3333	2772	2314	1980	1672	1702	1699	1881	2041	2075
35	2266	2662	3462	3579	3385	3223	3201	3223	3365	3519	3163	2467	2045	1657	1657	1737	1941	2132	2159
40	2316	2736	3629	3664	3617	3571	3582	3525	3569	3621	3381	2521	2083	1564	1549	1766	1948	2160	2218
45	2368	2765	3721	3724	3805	3856	3855	3807	3709	3681	3543	2590	2113	1476	1478	1736	1946	2165	2204
50	2409	2848	3799	3864	3993	3951	3962	3968	3895	3757	3653	2710	2115	1377	1463	1689	1863	1943	1958
55	2396	2923	3869	3992	4124	3910	3850	3974	4059	3868	3770	2785	2080	1303	1449	1611	1624	1600	1597
60	2328	2915	3923	4232	4231	4073	4021	4066	4257	3934	3849	2789	2017	1237	1441	1488	1329	1230	1210
65	2111	2719	3859	4615	4428	4013	3743	4230	4516	4152	3805	2708	1891	1205	1457	1296	1006	875	843
70	1709	2184	3304	4599	4281	2928	2602	3622	4532	4267	3352	2371	1650	1157	1450	1134	696	563	523
75	992	1156	1761	3197	2601	1070	865	1636	3799	3278	2141	1562	1186	969	1225	1008	412	244	206
80	184	233	268	527	263	84.1	69.7	158	1004	898	577	460	407	498	705	555	140	61.4	46.4
85	3.45	8.59	11.4	12.5	8.40	6.12	5.83	8.39	14.2	30.0	21.0	14.6	9.08	11.3	10.9	11.9	6.46	4.30	3.68
90	2.81	6.33	6.37	5.65	4.36	3.43	3.28	4.23	5.84	7.22	7.47	7.45	4.44	6.16	6.21	6.47	4.87	3.27	2.96
95	2.71	5.40	5.29	4.56	3.27	2.50	2.39	2.97	4.23	5.59	6.11	6.24	4.34	5.86	6.18	6.75	5.91	3.95	3.48
100	2.76	4.95	4.78	4.30	3.32	2.34	2.18	2.76	3.81	5.12	5.86	6.83	4.95	6.22	7.04	6.98	6.27	5.30	4.78
105	3.67	4.84	4.52	4.14	3.21	2.39	2.23	2.81	3.75	4.70	5.07	5.77	4.65	5.96	6.68	6.83	6.58	6.34	6.23
110	4.13	4.84	4.52	4.14	3.21	2.80	2.91	3.02	3.81	4.44	4.70	5.35	4.65	5.55	6.57	6.73	6.79	7.17	7.22
115	4.34	4.69	4.21	4.19	3.21	2.96	3.06	3.13	3.81	4.07	4.13	4.88	4.65	5.55	6.27	6.73	7.00	7.69	7.79
120	4.54	4.38	3.80	3.98	3.37	3.53	3.63	3.38	3.81	3.66	4.02	4.77	4.65	5.40	6.17	7.71	7.00	8.31	8.10
125	4.49	4.23	3.54	3.93	3.73	5.49	4.05	5.20	3.70	3.65	3.97	4.51	4.65	5.30	6.17	6.78	7.00	8.54	8.05
130	4.44	3.98	3.54	3.52	3.73	4.22	4.15	4.17	3.50	3.55	3.86	4.25	4.65	5.30	6.11	6.16	7.00	7.37	7.79
135	4.39	3.82	3.60	3.31	3.73	4.36	4.46	4.53	3.65	3.45	3.81	4.25	4.65	5.30	6.01	6.21	7.00	7.84	7.73
140	4.44	3.82	3.44	3.51	3.89	4.47	4.52	4.53	3.76	3.45	3.76	4.25	4.54	5.25	5.34	6.21	7.00	7.42	7.63
145	4.03	3.87	3.75	3.57	4.30	4.52	4.62	4.53	3.96	3.50	3.76	4.25	4.44	5.25	5.34	6.16	6.48	7.06	7.48
150	3.98	4.43	4.21	3.98	4.35	4.62	4.62	4.64	4.48	3.91	3.97	4.46	4.29	5.20	5.19	6.10	6.32	6.79	6.91
155	4.24	4.13	3.90	3.98	4.15	4.10	4.16	4.22	4.38	4.02	3.97	4.35	4.24	4.69	4.93	5.12	5.29	5.50	5.81
160	4.24	4.13	3.85	3.98	4.04	4.05	4.15	4.17	4.12	4.02	3.97	4.25	4.80	4.64	5.29	5.02	5.13	5.30	5.45
165	4.49	4.13	3.85	3.88	3.99	4.00	4.00	3.96	4.12	4.02	3.97	4.30	5.11	5.00	5.34	5.07	5.24	5.40	5.56
170	4.69	4.63	4.32	4.34	4.46	4.52	4.41	4.11	4.38	4.23	4.44	4.56	5.36	5.25	5.39	5.33	5.39	5.81	6.18
175	4.85	4.89	4.57	4.55	4.66	4.57	4.78	4.58	4.59	4.59	4.49	4.61	5.31	5.30	5.40	5.28	5.34	5.55	5.61
180	4.95	5.25	4.93	4.81	5.55	5.39	5.30	5.26	5.31	4.86	4.75	5.29	5.31	4.99	5.29	4.81	4.77	5.24	5.30

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.14V I:0.4441A P:98.018W PF:0.9592 Freq:50.01Hz Lamp Flux:11659.9x1 lm		
NAME: T-32LLED100-48	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	1488	1488	1488	1488	1488														
5	1414	1473	1572	1608	1722														
10	1638	1623	1677	1747	1693														
15	1829	1858	1740	1715	1814														
20	1794	1779	1835	1658	1816														
25	1862	1747	1743	1738	1862														
30	1972	1801	1696	1760	1944														
35	2048	1866	1650	1701	1918														
40	2058	1885	1634	1595	1871														
45	2066	1851	1607	1464	1795														
50	1883	1797	1571	1377	1690														
55	1584	1631	1529	1327	1584														
60	1245	1396	1483	1318	1499														
65	898	1120	1441	1347	1431														
70	583	844	1377	1314	1260														
75	278	611	1136	1026	822														
80	70.8	246	510	430	223														
85	4.48	6.56	8.52	8.29	7.49														
90	3.86	5.95	6.68	6.01	6.03														
95	4.59	6.63	7.98	6.37	5.87														
100	5.84	7.35	7.73	7.10	5.66														
105	6.26	7.35	7.94	7.10	5.66														
110	7.09	7.61	7.99	7.10	5.66														
115	7.24	7.93	7.05	7.05	5.50														
120	7.98	8.03	6.89	6.22	5.40														
125	8.13	7.14	6.52	6.22	5.40														
130	7.77	7.14	6.11	6.16	5.35														
135	7.29	7.04	6.00	5.69	5.30														
140	6.98	7.04	6.21	5.38	5.30														
145	6.98	6.98	6.21	5.54	5.30														
150	6.51	6.05	5.63	5.33	5.35														
155	5.52	5.21	4.96	4.70	4.82														
160	5.47	5.21	4.96	4.54	4.82														
165	5.58	5.33	5.12	4.65	4.93														
170	5.78	5.94	5.53	5.38	4.93														
175	5.68	5.48	5.33	5.06	4.88														
180	5.31	5.26	5.22	4.81	4.72														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0.0DEG
 Operators:CS01
 Test Date:2021-07-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 0.0%
 Test Distance:26.000m [K=1.0000]
 Remarks: T-32LLED100-48(5050 40K RA70 T4D)L