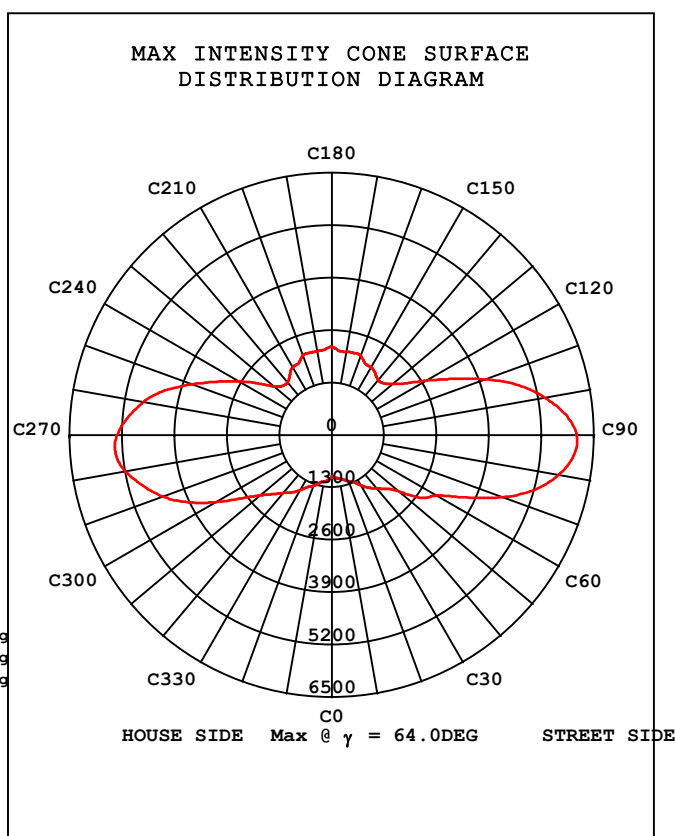
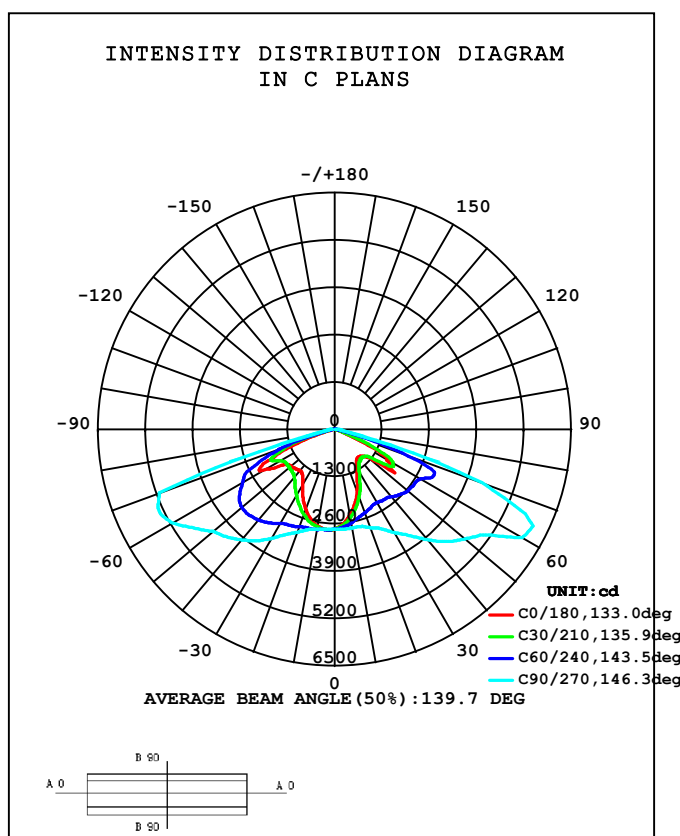


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.4600A P:99.10W PF:0.9651 Lamp Flux:11073x1 lm		
NAME: LED DKU EFA M	TYPE:STREET	WEIGHT:
SPEC.:COBRA	DIM.:	SERIAL No.:
MFR.: TD OPTIMA	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.74 lm/W			
MODEL	100-002 U1 5000K	Imax(cd)	6070	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	49.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11073	η house_up(%)	0.0
NOMINAL FLUX(lm)	11073	MAXIMUM @ (C, γ)	90,64.0	η house_down(%)	50.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.4	η down(%)	100.0	SLI	15.151



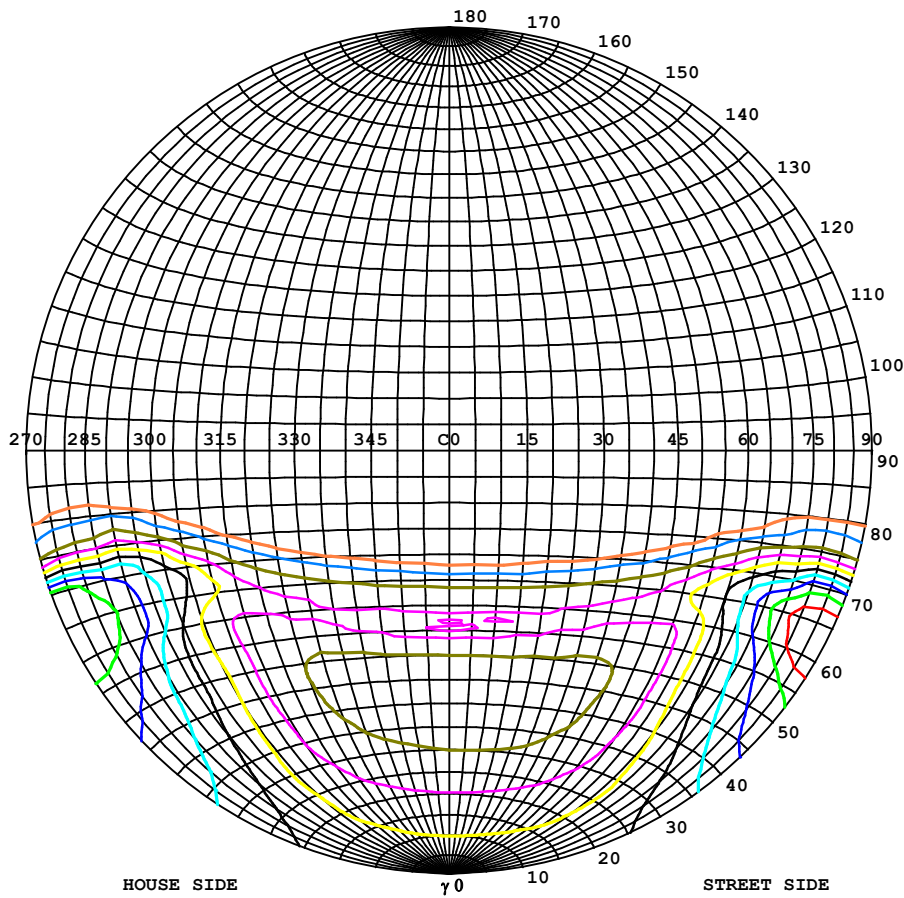
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:18.6DEG
Operators:Litvinenko A.S.
Test Date:2019-05-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity:51%
Test Distance:13.823m [K=1.0000]
Remarks: B-beta

Note: SLI:Specific Luminaire Index

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STREETLIGHT ISOCANDELA DIAGRAM

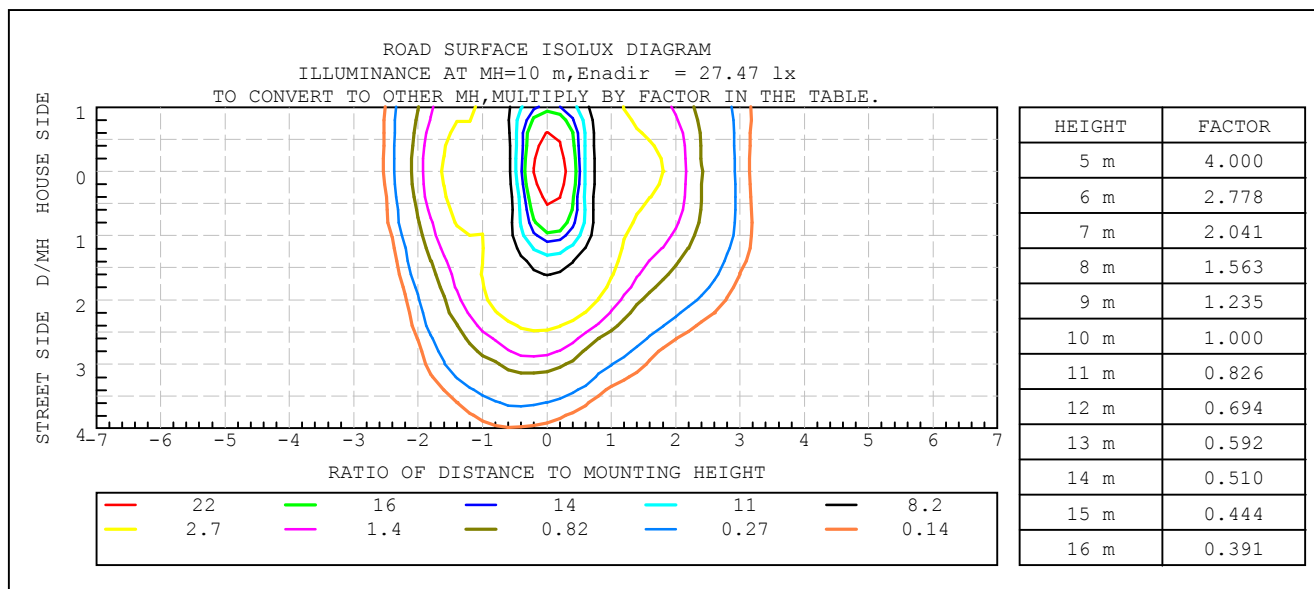
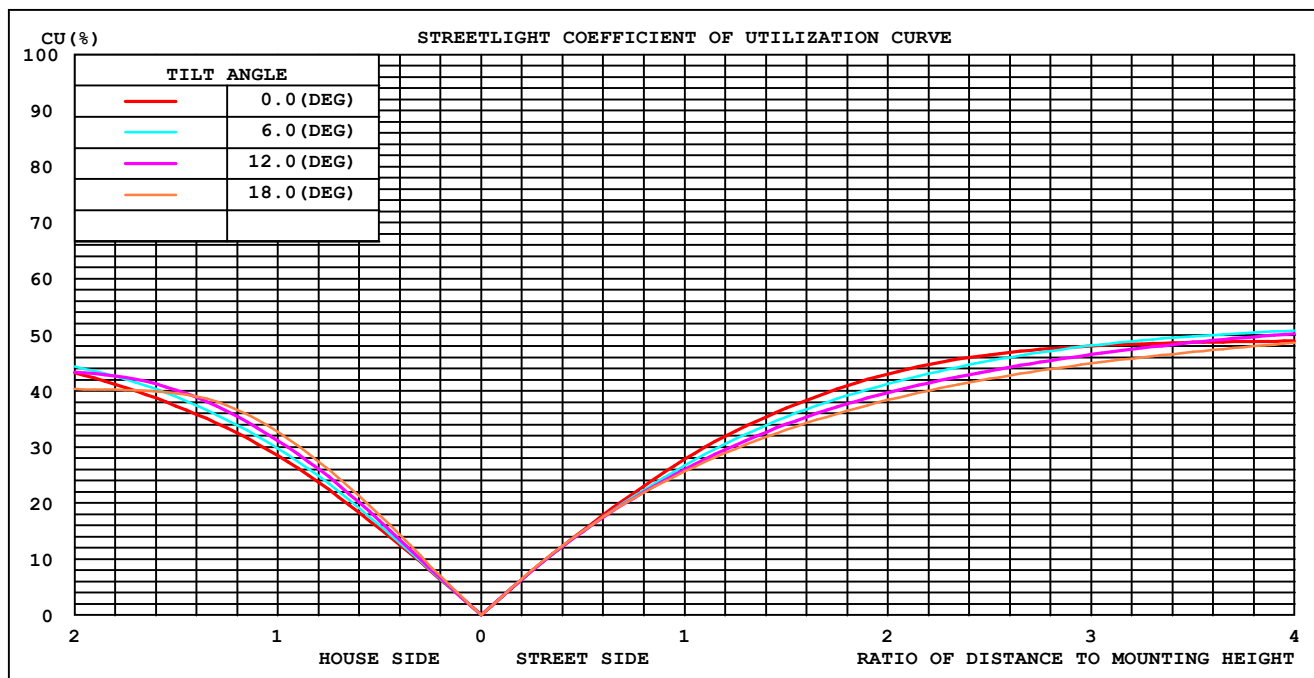


Classification:
IES:Type IV - Very Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:45.27cd/klm
Max.At90:9.769cd/klm
Max.80-90:45.27cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6070
90%	5463
80%	4856
70%	4249
60%	3642
50%	3035
40%	2428
30%	1821
20%	1214
10%	607
5%	304

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:18.6DEG
Operators:Litvinenko A.S.
Test Date:2019-05-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity:51%
Test Distance:13.823m [K=1.0000]
Remarks: B-beta

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 18.6DEG
Operators: Litvinenko A.S.
Test Date: 2019-05-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity: 51%
Test Distance: 13.823m [K=1.0000]
Remarks: B-beta

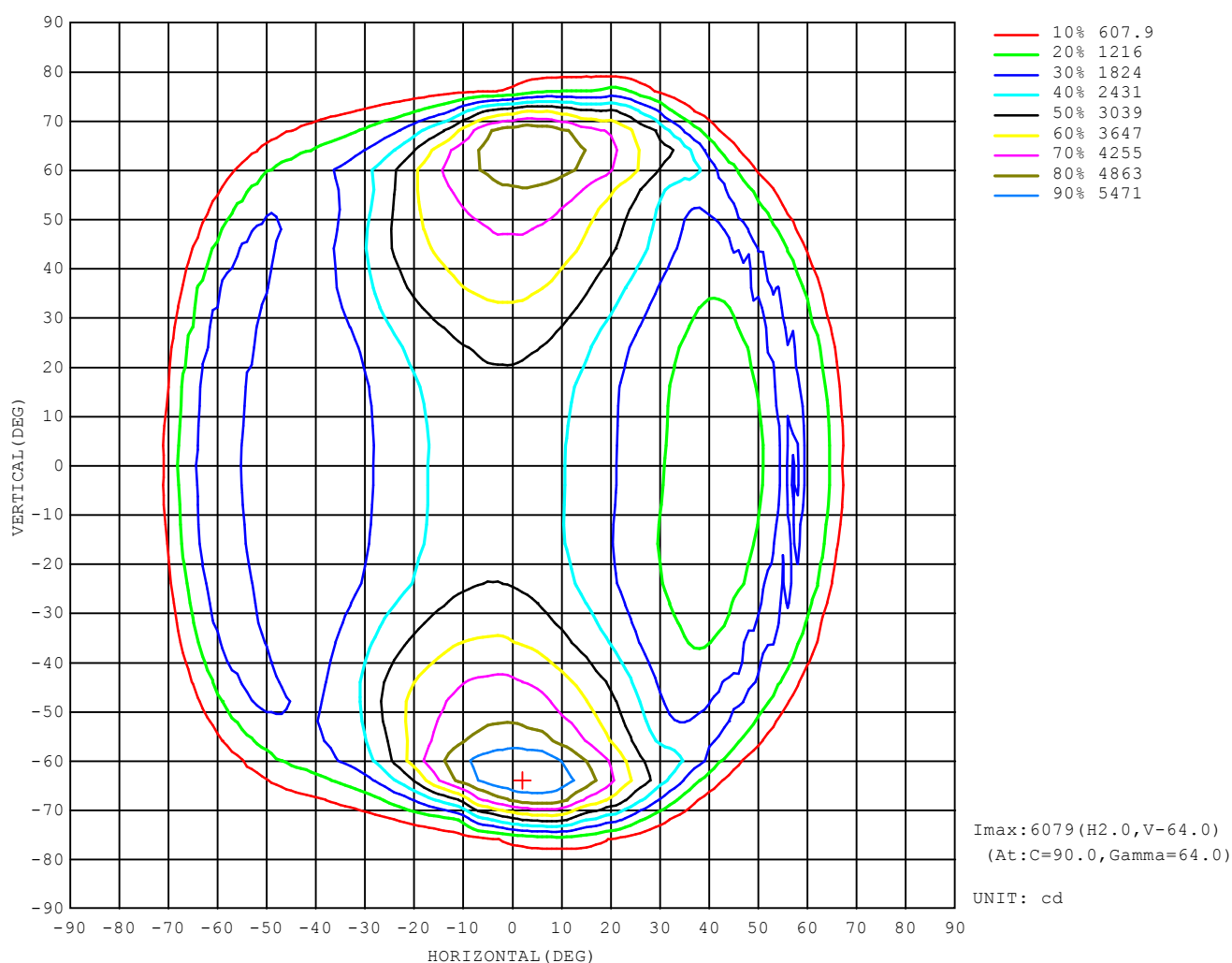
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	2622	2676	2759	2784	2767	2768	2758	2673	0- 5	65.43	65.430	59,0.59
10	2415	2547	2757	2778	2706	2772	2800	2580	5- 10	193.0	258.42	33,2.33
15	2144	2372	2766	2718	2557	2733	2858	2437	10- 15	310.9	569.35	14,5.14
20	1835	2175	2879	2630	2339	2665	3012	2257	15- 20	415.9	985.1	8.9,8.9
25	1483	1986	3020	2555	2078	2607	3190	2111	20- 25	508.8	1494	13.5,13.5
30	1210	1779	3277	2446	1777	2533	3461	1952	25- 30	591.1	2085	18.8,18.8
35	1058	1601	3563	2389	1550	2482	3739	1815	30- 35	674.6	2760	24.9,24.9
40	1012	1473	3963	2409	1499	2455	3970	1748	35- 40	767.4	3527	31.9,31.9
45	1051	1381	4367	2357	1538	2342	4189	1663	40- 45	872.8	4400	39.7,39.7
50	1220	1359	4685	2228	1585	2152	4368	1640	45- 50	983.1	5383	48.6,48.6
55	1788	1398	5078	2065	1707	1952	4735	1622	50- 55	1109	6492	58.6,58.6
60	1773	1930	5960	1905	2230	1731	5157	1743	55- 60	1265	7757	70.1,70.1
65	934.5	1789	5905	1777	1872	1741	5326	2072	60- 65	1371	9128	82.4,82.4
70	149.6	793.6	4304	1171	968.4	1366	5123	1290	65- 70	1149	10277	92.8,92.8
75	28.32	118.4	1188	327.5	164.7	584.2	1266	263.5	70- 75	595.8	10873	98.2,98.2
80	21.14	47.44	254.7	48.73	37.70	87.13	285.8	49.20	75- 80	146.0	11019	99.5,99.5
85	15.56	42.56	123.7	29.01	12.70	32.12	155.2	36.03	80- 85	36.07	11055	99.8,99.8
90	8.916	14.41	25.42	13.87	7.768	22.14	96.12	28.26	85- 90	18.14	11073	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:18.6DEG
 Operators:Litvinenko A.S.
 Test Date:2019-05-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
 Humidity:51%
 Test Distance:13.823m [K=1.0000]
 Remarks: B-beta

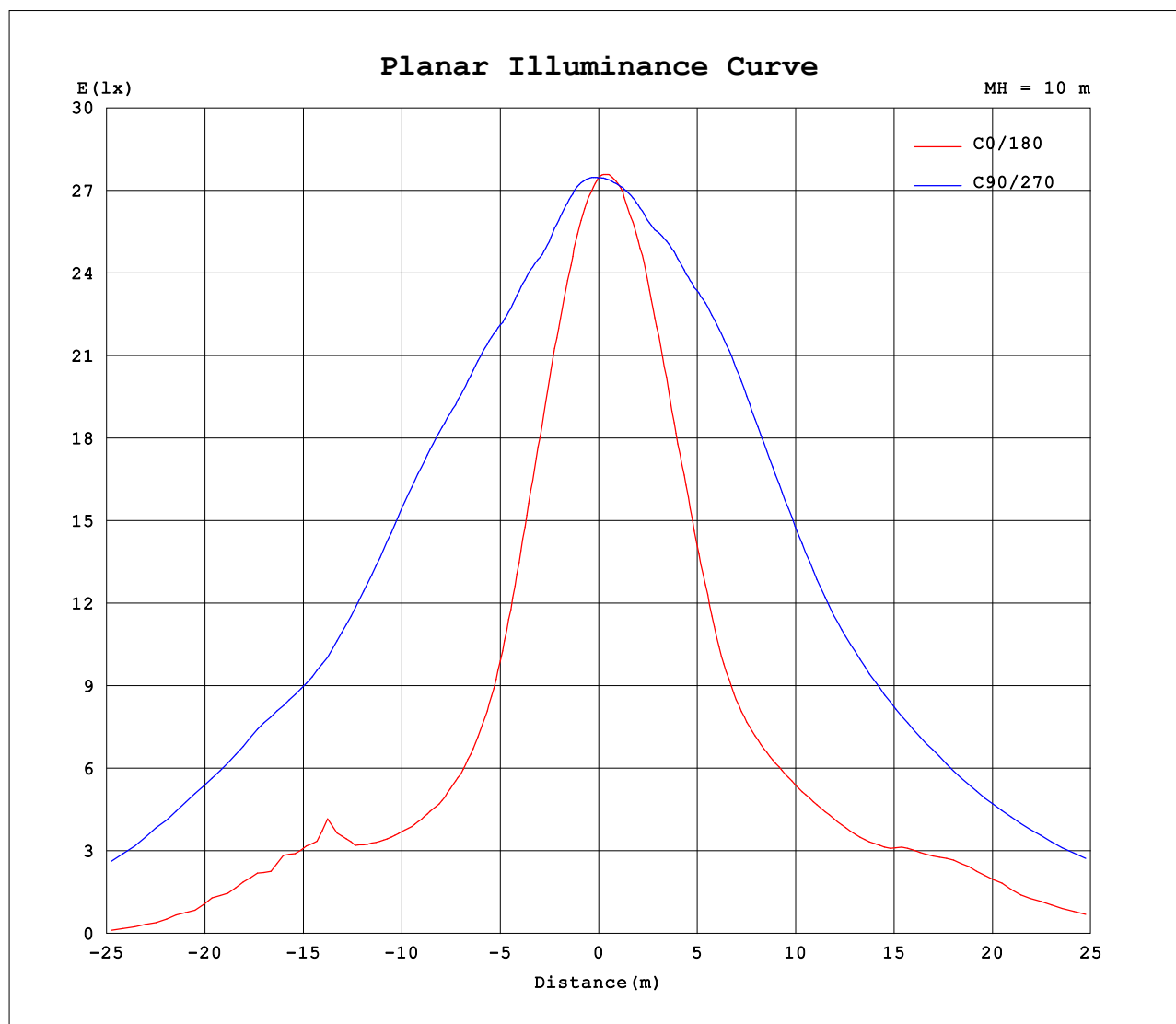
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 18.6DEG
Operators: Litvinenko A.S.
Test Date: 2019-05-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity: 51%
Test Distance: 13.823m [K=1.0000]
Remarks: B-beta

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 18.6DEG
Operators: Litvinenko A.S.
Test Date: 2019-05-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity: 51%
Test Distance: 13.823m [K=1.0000]
Remarks: B-beta

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:18.6DEG
Operators:Litvinenko A.S.
Test Date:2019-05-11

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity:51%
Test Distance:13.823m [K=1.0000]
Remarks: B-beta

```

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:18.6DEG
Operators:Litvinenko A.S.
Test Date:2019-05-11

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity:51%
Test Distance:13.823m [K=1.0000]
Remarks: B-beta

```


LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:18.6DEG
Operators:Litvinenko A.S.
Test Date:2019-05-11

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity:51%
Test Distance:13.823m [K=1.0000]
Remarks: B-beta

```

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:18.6DEG
Operators:Litvinenko A.S.
Test Date:2019-05-11

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity:51%
Test Distance:13.823m [K=1.0000]
Remarks: B-beta

```

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	2747	2747	2747	2747	2747	2747	2747	2747	2747	2747
2.5	2694	2695	2696	2697	2699	2701	2704	2707	2710	2714
5.0	2622	2623	2626	2630	2635	2642	2650	2659	2668	2676
7.5	2525	2527	2532	2539	2549	2559	2571	2584	2600	2617
10.0	2415	2417	2422	2432	2445	2462	2480	2501	2523	2547
12.5	2286	2289	2297	2310	2327	2346	2370	2399	2433	2468
15.0	2144	2148	2159	2177	2198	2223	2252	2287	2326	2372
17.5	1993	1996	2007	2024	2050	2082	2126	2171	2218	2270
20.0	1835	1838	1852	1874	1903	1937	1981	2036	2103	2175
22.5	1658	1659	1673	1695	1728	1777	1838	1902	1979	2077
25.0	1483	1483	1496	1518	1556	1604	1666	1757	1869	1986
27.5	1326	1328	1339	1359	1391	1438	1512	1614	1745	1885
30.0	1210	1207	1214	1227	1253	1297	1372	1488	1627	1779
32.5	1124	1122	1126	1138	1157	1191	1262	1375	1512	1679
35.0	1058	1060	1065	1073	1087	1124	1184	1269	1412	1601
37.5	1026	1029	1034	1040	1050	1080	1128	1199	1326	1541
40.0	1012	1014	1019	1021	1034	1061	1098	1157	1281	1473
42.5	1017	1018	1024	1028	1039	1055	1083	1142	1245	1421
45.0	1051	1046	1050	1051	1059	1069	1090	1137	1221	1381
47.5	1108	1106	1108	1103	1107	1100	1117	1145	1209	1366
50.0	1220	1221	1221	1227	1190	1201	1171	1169	1223	1359
52.5	1583	1611	1629	1556	1470	1439	1320	1297	1274	1360
55.0	1788	1865	1872	1871	1881	1730	1654	1540	1444	1398
57.5	1864	1840	1813	1861	1882	1894	1917	1794	1730	1624
60.0	1773	1726	1702	1753	1768	1831	1857	1882	1902	1930
62.5	1424	1400	1385	1473	1481	1513	1673	1777	1873	1973
65.0	934.5	863.0	844.5	957.5	1019	1114	1252	1411	1618	1789
67.5	372.8	357.9	372.6	414.8	513.5	572.4	691.6	879.5	1077	1361
70.0	149.6	141.7	146.7	153.7	186.1	206.5	259.2	402.2	524.8	793.6
72.5	48.53	43.15	51.34	61.04	65.79	78.80	102.2	123.6	196.0	323.1
75.0	28.32	27.03	27.15	30.11	31.64	36.31	48.18	65.46	83.33	118.4
77.5	23.58	22.74	23.28	25.33	25.13	26.99	32.91	44.03	51.47	63.33
80.0	21.14	21.12	21.92	23.62	22.27	23.20	27.29	36.44	45.08	47.44
82.5	18.77	19.51	20.54	21.35	20.13	20.95	24.52	32.13	42.40	44.85
85.0	15.56	18.05	18.52	18.76	18.56	19.50	21.67	27.42	38.67	42.56
87.5	8.190	15.47	16.88	16.88	17.00	17.95	18.45	21.64	30.51	33.40
90.0	8.916	13.11	15.47	14.50	14.25	13.26	13.05	13.55	14.12	14.41

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	2747	2747	2747	2747	2747	2747	2747	2747	2747	2747
2.5	2718	2723	2728	2733	2737	2741	2745	2750	2754	2757
5.0	2685	2693	2702	2712	2721	2731	2741	2750	2759	2765
7.5	2637	2656	2674	2688	2703	2718	2732	2746	2759	2768
10.0	2569	2595	2626	2656	2680	2702	2723	2739	2757	2771
12.5	2503	2537	2569	2610	2651	2685	2714	2734	2755	2774
15.0	2426	2475	2519	2561	2615	2669	2712	2741	2766	2790
17.5	2328	2406	2478	2539	2605	2680	2744	2785	2816	2845
20.0	2250	2340	2447	2539	2620	2705	2785	2841	2879	2914
22.5	2186	2294	2408	2529	2631	2729	2825	2897	2942	2985
25.0	2112	2240	2371	2510	2636	2757	2872	2965	3020	3068
27.5	2033	2178	2333	2504	2668	2820	2962	3076	3141	3197
30.0	1941	2135	2329	2536	2739	2910	3071	3205	3277	3344
32.5	1875	2120	2353	2579	2803	2998	3179	3333	3413	3493
35.0	1847	2109	2365	2624	2864	3089	3293	3474	3563	3655
37.5	1798	2095	2376	2680	2953	3225	3454	3657	3756	3849
40.0	1747	2068	2422	2755	3087	3382	3639	3854	3963	4050
42.5	1695	2077	2488	2855	3224	3536	3822	4053	4170	4249
45.0	1679	2097	2541	2964	3354	3694	4000	4244	4367	4436
47.5	1664	2100	2598	3066	3455	3846	4151	4405	4531	4584
50.0	1632	2106	2638	3132	3563	3987	4285	4556	4685	4719
52.5	1612	2100	2649	3202	3675	4109	4424	4713	4851	4847
55.0	1626	2097	2664	3216	3752	4219	4604	4936	5078	5029
57.5	1663	2095	2672	3273	3906	4480	4969	5364	5488	5385
60.0	1915	2159	2737	3466	4204	4842	5416	5866	5960	5798
62.5	2166	2472	2904	3655	4441	5103	5615	5964	6029	5821
65.0	2161	2764	3014	3691	4562	5251	5662	5899	5905	5635
67.5	1767	2300	2878	3510	4178	4646	5197	5335	5201	4804
70.0	1101	1673	2158	2761	3296	3618	4500	4590	4304	3735
72.5	558.2	881.1	1282	1848	2264	2449	2932	2864	2610	2214
75.0	158.7	394.7	637.6	878.7	1084	1302	1460	1364	1188	932.2
77.5	75.85	139.3	183.2	310.2	478.5	663.8	721.2	676.5	584.9	424.9
80.0	50.00	61.47	78.00	161.4	222.2	274.8	270.3	271.2	254.7	187.8
82.5	43.33	38.88	39.19	81.52	115.1	152.8	181.7	196.0	187.2	148.7
85.0	41.41	39.96	34.64	44.22	59.29	81.32	119.0	129.5	123.7	111.7

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:18.6DEG

Operators:Litvinenko A.S.

Test Date:2019-05-11

 γ Range: 0 - 90DEG γ Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279

Humidity:51%

Test Distance:13.823m [K=1.0000]

Remarks: B-beta

Photometric Data Table [cd]

87.5	31.48	30.70	26.38	26.78	33.07	44.29	68.11	74.90	72.52	69.64
90.0	14.75	15.42	16.22	17.31	18.73	20.06	21.52	24.39	25.42	25.67
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	2747	2747	2747	2747	2747	2747	2747	2747	2747	2747
2.5	2759	2762	2764	2766	2768	2769	2770	2771	2772	2772
5.0	2770	2776	2782	2786	2786	2786	2786	2784	2782	2780
7.5	2778	2788	2791	2792	2792	2790	2786	2783	2780	2777
10.0	2784	2792	2795	2795	2791	2788	2783	2778	2768	2758
12.5	2790	2798	2800	2796	2790	2783	2769	2750	2734	2719
15.0	2805	2810	2804	2795	2784	2762	2739	2718	2697	2674
17.5	2860	2857	2841	2815	2781	2742	2712	2682	2644	2605
20.0	2928	2922	2901	2860	2807	2753	2693	2630	2572	2522
22.5	2999	2989	2955	2902	2842	2771	2681	2583	2505	2442
25.0	3078	3057	3007	2944	2870	2774	2661	2555	2452	2350
27.5	3200	3161	3090	3003	2893	2764	2641	2517	2378	2255
30.0	3342	3294	3218	3106	2947	2776	2611	2446	2307	2191
32.5	3483	3430	3346	3217	3030	2833	2593	2389	2248	2106
35.0	3628	3565	3476	3317	3116	2890	2629	2389	2175	2025
37.5	3804	3732	3615	3421	3201	2945	2675	2401	2140	1932
40.0	3997	3913	3762	3540	3287	3008	2703	2409	2112	1860
42.5	4191	4089	3907	3660	3381	3069	2735	2386	2067	1826
45.0	4376	4255	4057	3776	3469	3124	2740	2357	2019	1787
47.5	4514	4370	4163	3879	3556	3167	2727	2299	1967	1753
50.0	4626	4454	4211	3927	3610	3169	2710	2228	1903	1720
52.5	4729	4528	4257	3934	3574	3106	2633	2159	1857	1695
55.0	4858	4593	4283	3908	3468	3000	2468	2065	1811	1681
57.5	5147	4781	4326	3864	3324	2791	2314	1964	1777	1693
60.0	5505	5052	4436	3803	3148	2595	2185	1905	1777	1753
62.5	5450	4967	4332	3706	2934	2381	2073	1874	1703	1827
65.0	5172	4624	3861	3047	2493	2139	1917	1777	1773	1852
67.5	4200	3492	2994	2338	1953	1693	1612	1594	1597	1643
70.0	2882	1950	1783	1541	1324	1211	1167	1171	1275	1281
72.5	1687	1081	958.0	844.2	677.5	662.0	705.7	735.4	821.0	866.6
75.0	705.8	489.2	411.8	390.2	350.9	321.3	309.9	327.5	420.5	419.0
77.5	294.4	208.7	155.5	122.9	118.2	124.0	128.1	138.6	135.9	153.5
80.0	100.8	76.42	67.27	60.17	56.14	53.25	49.04	48.73	60.42	54.53
82.5	84.47	56.36	45.14	36.97	33.76	28.71	25.52	32.69	34.27	27.35
85.0	74.90	51.26	41.75	35.55	36.23	29.60	25.55	29.01	26.55	23.06
87.5	50.96	37.41	31.87	28.22	28.93	24.36	21.63	23.95	22.22	19.39
90.0	22.24	20.37	19.51	18.30	17.09	15.75	14.64	13.87	13.52	11.82
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	2747	2747	2747	2747	2747	2747	2747	2747	2747	2747
2.5	2771	2771	2771	2770	2769	2769	2768	2768	2768	2767
5.0	2778	2776	2774	2772	2770	2768	2767	2767	2767	2767
7.5	2773	2769	2765	2759	2754	2749	2746	2746	2748	2750
10.0	2745	2734	2726	2719	2713	2709	2706	2705	2705	2706
12.5	2704	2690	2677	2667	2658	2652	2649	2649	2651	2657
15.0	2648	2623	2602	2585	2571	2562	2557	2556	2560	2569
17.5	2569	2536	2510	2489	2474	2465	2462	2460	2462	2473
20.0	2481	2444	2406	2375	2354	2342	2339	2340	2349	2372
22.5	2385	2330	2283	2251	2228	2214	2210	2209	2215	2243
25.0	2267	2210	2165	2126	2096	2081	2078	2079	2096	2136
27.5	2168	2104	2041	1989	1951	1930	1925	1929	1947	1991
30.0	2075	1979	1916	1861	1816	1789	1777	1782	1808	1858
32.5	1982	1874	1793	1724	1673	1646	1636	1641	1665	1715
35.0	1886	1762	1676	1622	1582	1558	1550	1551	1573	1614
37.5	1786	1681	1605	1559	1531	1515	1509	1514	1532	1559
40.0	1718	1627	1560	1525	1506	1497	1499	1507	1521	1542
42.5	1669	1586	1537	1516	1512	1511	1514	1521	1530	1543
45.0	1638	1572	1539	1523	1527	1531	1538	1544	1551	1558
47.5	1629	1569	1549	1542	1549	1555	1562	1569	1571	1572
50.0	1623	1577	1566	1568	1575	1582	1585	1592	1592	1595
52.5	1621	1596	1594	1600	1606	1609	1610	1613	1613	1615
55.0	1636	1631	1648	1680	1688	1709	1707	1706	1689	1672
57.5	1686	1720	1767	1850	1920	1989	2003	2008	1983	1875
60.0	1776	1842	1938	2028	2122	2214	2230	2251	2178	2080
62.5	1893	1956	2093	2213	2270	2266	2322	2268	2325	2313
65.0	1941	1927	2035	2005	1952	1899	1872	1883	1940	1960
67.5	1724	1694	1676	1614	1536	1445	1457	1395	1505	1592
70.0	1318	1333	1244	1195	1091	1025	968.4	1005	1032	1209
72.5	850.5	830.1	779.1	690.9	572.5	508.5	453.7	482.8	532.5	690.3
75.0	399.1	371.3	338.7	264.1	197.0	174.8	164.7	174.1	190.7	266.7
77.5	138.1	146.9	128.4	120.3	104.6	84.14	81.86	79.93	96.37	111.5

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:18.6DEG

Operators:Litvinenko A.S.

Test Date:2019-05-11

 γ Range: 0 - 90DEG γ Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279

Humidity:51%

Test Distance:13.823m [K=1.0000]

Remarks: B-beta

Photometric Data Table [cd]

80.0	52.61	57.65	50.00	43.73	40.75	38.69	37.70	37.82	41.94	45.12
82.5	27.88	26.00	25.12	24.59	22.58	21.27	20.05	21.12	23.29	24.28
85.0	21.21	20.46	19.44	18.28	16.64	16.64	12.70	16.15	17.69	17.61
87.5	18.46	18.51	17.03	16.11	14.20	12.67	6.620	11.71	13.82	14.42
90.0	10.47	10.17	10.55	10.57	10.44	9.660	7.768	8.791	10.06	11.24
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	2747	2747	2747	2747	2747	2747	2747	2747	2747	2747
2.5	2767	2767	2767	2766	2766	2765	2765	2764	2763	2763
5.0	2767	2767	2767	2767	2767	2768	2768	2769	2771	2772
7.5	2754	2757	2760	2764	2769	2772	2775	2777	2780	2785
10.0	2709	2714	2726	2739	2755	2772	2784	2794	2801	2804
12.5	2665	2678	2692	2711	2731	2753	2777	2798	2814	2824
15.0	2589	2615	2647	2677	2705	2733	2760	2789	2817	2837
17.5	2493	2528	2571	2617	2663	2704	2741	2782	2826	2865
20.0	2407	2450	2495	2543	2599	2665	2730	2793	2856	2913
22.5	2290	2345	2407	2471	2546	2627	2722	2813	2891	2957
25.0	2184	2240	2305	2389	2495	2607	2711	2818	2918	3002
27.5	2050	2122	2212	2322	2441	2575	2703	2816	2939	3059
30.0	1920	1996	2105	2249	2395	2533	2682	2841	2988	3144
32.5	1786	1880	2011	2168	2332	2501	2681	2884	3066	3234
35.0	1668	1763	1911	2080	2268	2482	2714	2934	3141	3323
37.5	1602	1684	1807	1983	2212	2473	2738	2980	3208	3409
40.0	1575	1634	1736	1896	2157	2455	2744	3024	3264	3475
42.5	1566	1611	1685	1841	2089	2415	2739	3039	3298	3529
45.0	1575	1599	1662	1793	2022	2342	2702	3031	3332	3582
47.5	1586	1608	1650	1754	1948	2253	2638	3020	3350	3628
50.0	1604	1612	1644	1728	1875	2152	2555	2986	3342	3644
52.5	1619	1623	1638	1690	1802	2051	2444	2884	3294	3628
55.0	1655	1647	1640	1644	1741	1952	2288	2741	3202	3608
57.5	1778	1728	1653	1632	1676	1828	2121	2542	3062	3579
60.0	1994	1873	1741	1661	1631	1731	1970	2363	2924	3509
62.5	2192	1990	1889	1744	1660	1723	1890	2278	2812	3423
65.0	1995	1940	1932	1842	1747	1741	1893	2195	2510	2965
67.5	1659	1685	1705	1694	1695	1700	1724	1848	2090	2459
70.0	1264	1311	1382	1384	1409	1366	1397	1478	1620	1868
72.5	773.1	885.4	949.1	1030	1022	980.6	997.4	1035	1144	1254
75.0	319.2	426.9	523.1	566.7	600.5	584.2	588.4	596.4	602.1	604.5
77.5	131.2	179.9	203.6	226.5	246.0	284.1	245.2	222.1	202.9	207.8
80.0	54.84	64.92	72.35	81.79	92.80	87.13	87.87	82.62	83.99	89.10
82.5	27.69	29.12	32.19	35.36	40.67	42.99	34.36	28.94	33.17	39.96
85.0	18.26	20.68	21.15	23.24	25.84	32.12	29.93	24.79	26.82	31.03
87.5	15.86	18.28	19.30	20.55	22.08	26.95	25.73	22.45	24.19	27.18
90.0	14.16	15.78	15.39	16.95	18.48	22.14	22.79	21.05	23.26	25.52
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	2747	2747	2747	2747	2747	2747	2747	2747	2747	2747
2.5	2761	2758	2756	2753	2751	2747	2744	2740	2737	2733
5.0	2772	2771	2769	2764	2758	2752	2746	2735	2722	2710
7.5	2789	2792	2791	2786	2777	2767	2753	2734	2717	2701
10.0	2809	2814	2817	2812	2800	2785	2763	2742	2721	2699
12.5	2829	2834	2842	2838	2823	2802	2775	2752	2724	2689
15.0	2852	2862	2872	2874	2858	2830	2800	2767	2723	2668
17.5	2901	2922	2935	2944	2929	2897	2859	2812	2747	2659
20.0	2965	2999	3015	3026	3012	2977	2931	2873	2786	2685
22.5	3021	3073	3095	3106	3095	3056	3004	2930	2824	2708
25.0	3072	3145	3182	3197	3190	3146	3082	2989	2859	2723
27.5	3149	3246	3305	3325	3320	3270	3190	3077	2917	2745
30.0	3268	3368	3442	3467	3461	3404	3313	3178	2998	2797
32.5	3380	3492	3578	3609	3603	3537	3435	3280	3079	2858
35.0	3489	3616	3709	3745	3739	3665	3556	3380	3162	2913
37.5	3585	3720	3818	3860	3857	3781	3667	3471	3247	2967
40.0	3655	3810	3913	3969	3970	3895	3773	3560	3325	3023
42.5	3726	3900	4009	4077	4082	4007	3881	3654	3404	3087
45.0	3799	3988	4101	4182	4189	4116	3988	3755	3483	3156
47.5	3856	4051	4176	4274	4281	4211	4073	3837	3547	3221
50.0	3885	4091	4245	4360	4368	4302	4149	3896	3580	3245
52.5	3920	4166	4364	4518	4548	4481	4313	4005	3636	3257
55.0	3977	4257	4495	4681	4735	4677	4503	4159	3748	3315
57.5	4003	4347	4643	4853	4943	4913	4733	4384	3932	3410
60.0	4004	4442	4799	5028	5157	5164	4990	4648	4243	3664
62.5	3887	4386	4783	5063	5265	5302	5133	4798	4455	3967
65.0	3573	4200	4673	5061	5326	5379	5199	4869	4478	3934
67.5	3037	3594	4323	4954	5248	5272	5018	4646	4374	3851
70.0	2285	2751	3856	4807	5123	5098	4726	4275	4156	3631

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:18.6DEG

Operators:Litvinenko A.S.

Test Date:2019-05-11

 γ Range: 0 - 90DEG γ Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279

Humidity:51%

Test Distance:13.823m [K=1.0000]

Remarks: B-beta

Photometric Data Table [cd]

72.5	1479	1738	2357	2800	3015	3252	3233	3135	3378	3078
75.0	645.1	768.6	965.7	1085	1266	1625	1761	1813	2131	1867
77.5	247.4	320.2	395.9	448.6	596.2	835.1	945.4	1008	1224	947.7
80.0	98.62	116.6	147.4	187.8	285.8	334.3	387.5	449.5	501.3	402.2
82.5	51.93	67.11	94.77	137.1	216.0	259.1	262.8	256.8	222.8	151.1
85.0	38.29	44.98	60.75	96.34	155.2	195.6	175.3	138.7	100.1	65.67
87.5	31.18	36.15	46.46	74.69	121.2	149.0	122.4	88.86	52.80	35.26
90.0	26.56	32.20	39.12	59.49	96.12	108.2	81.90	64.21	35.45	27.93
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	2747	2747	2747	2747	2747	2747	2747	2747	2747	2747
2.5	2728	2722	2718	2713	2709	2705	2703	2700	2698	2697
5.0	2700	2690	2681	2673	2666	2658	2650	2643	2636	2631
7.5	2686	2668	2651	2633	2615	2598	2582	2568	2556	2544
10.0	2673	2643	2612	2580	2548	2519	2493	2470	2451	2437
12.5	2647	2600	2556	2512	2470	2430	2395	2364	2338	2318
15.0	2607	2550	2493	2437	2383	2333	2287	2245	2212	2184
17.5	2582	2502	2423	2351	2282	2219	2165	2117	2075	2039
20.0	2582	2470	2359	2257	2173	2100	2034	1980	1930	1892
22.5	2581	2446	2310	2179	2069	1974	1897	1832	1776	1734
25.0	2570	2416	2259	2111	1970	1851	1755	1681	1618	1566
27.5	2560	2377	2199	2035	1879	1733	1617	1529	1465	1417
30.0	2576	2347	2137	1952	1778	1625	1492	1397	1331	1284
32.5	2607	2349	2099	1866	1682	1523	1389	1287	1228	1188
35.0	2639	2373	2084	1815	1591	1428	1303	1206	1145	1114
37.5	2676	2378	2074	1787	1529	1346	1230	1146	1088	1062
40.0	2724	2386	2064	1748	1486	1290	1177	1104	1055	1031
42.5	2764	2408	2046	1703	1442	1255	1138	1079	1043	1029
45.0	2811	2432	2034	1663	1393	1229	1125	1073	1055	1048
47.5	2861	2457	2030	1652	1367	1213	1137	1096	1095	1095
50.0	2882	2480	2032	1640	1366	1222	1171	1155	1165	1193
52.5	2860	2449	2014	1635	1377	1275	1242	1300	1318	1430
55.0	2856	2396	1964	1622	1406	1417	1428	1688	1742	1850
57.5	2867	2358	1922	1614	1517	1706	1713	1899	1889	1851
60.0	2998	2373	1899	1743	1806	1884	1868	1816	1787	1767
62.5	3242	2571	2095	1999	1979	1856	1785	1644	1597	1575
65.0	3349	2854	2468	2072	1824	1599	1427	1264	1169	1066
67.5	3430	2957	2398	1809	1425	1160	952.5	764.6	631.8	514.1
70.0	3176	2676	1968	1290	912.3	654.3	449.4	318.3	248.0	208.2
72.5	2614	1677	1196	713.8	418.8	260.0	168.5	114.8	94.23	81.64
75.0	1450	894.4	527.1	263.5	160.4	93.91	65.03	49.43	39.62	36.15
77.5	579.6	354.5	194.7	98.43	60.75	46.19	35.27	30.07	28.39	28.00
80.0	254.0	144.6	70.82	49.20	39.93	32.64	27.02	23.58	22.73	24.45
82.5	94.24	55.86	40.05	38.49	34.70	28.50	23.70	20.78	19.79	21.95
85.0	49.07	39.55	36.68	36.03	33.41	27.00	22.09	19.33	18.37	18.89
87.5	32.29	31.90	32.86	33.31	31.48	25.45	20.28	17.89	17.05	16.07
90.0	28.19	28.58	28.32	28.26	26.63	22.77	18.49	16.41	15.47	14.54
G/C	350.0	355.0								
0.0	2747	2747								
2.5	2695	2695								
5.0	2627	2624								
7.5	2535	2529								
10.0	2426	2419								
12.5	2302	2292								
15.0	2164	2151								
17.5	2015	2001								
20.0	1863	1844								
22.5	1700	1673								
25.0	1526	1497								
27.5	1378	1347								
30.0	1252	1226								
32.5	1160	1139								
35.0	1091	1072								
37.5	1045	1034								
40.0	1023	1016								
42.5	1022	1020								
45.0	1049	1045								
47.5	1106	1107								
50.0	1202	1209								
52.5	1487	1535								
55.0	1906	1882								
57.5	1851	1844								
60.0	1733	1721								
62.5	1464	1397								

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:18.6DEG

Operators:Litvinenko A.S.

Test Date:2019-05-11

 γ Range: 0 - 90DEG γ Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279

Humidity:51%

Test Distance:13.823m [K=1.0000]

Remarks: B-beta

Photometric Data Table [cd]

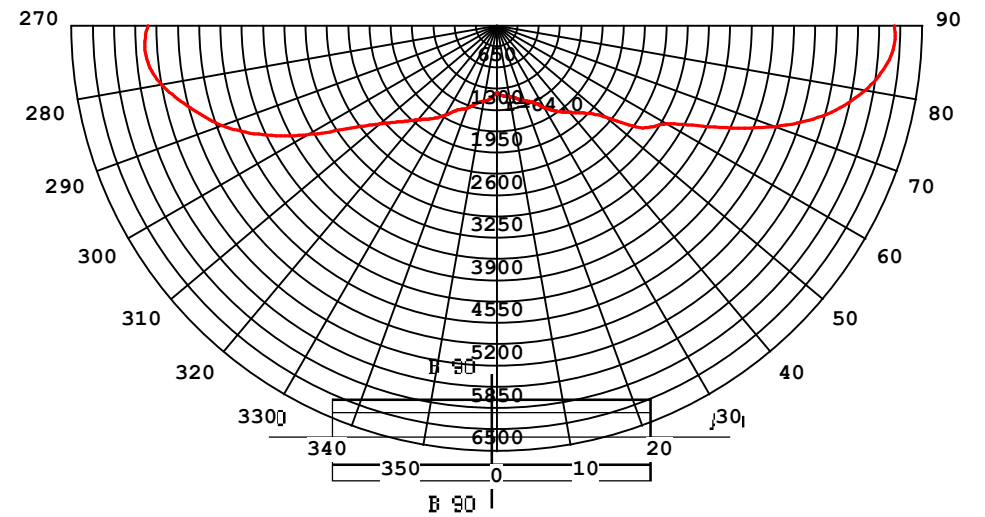
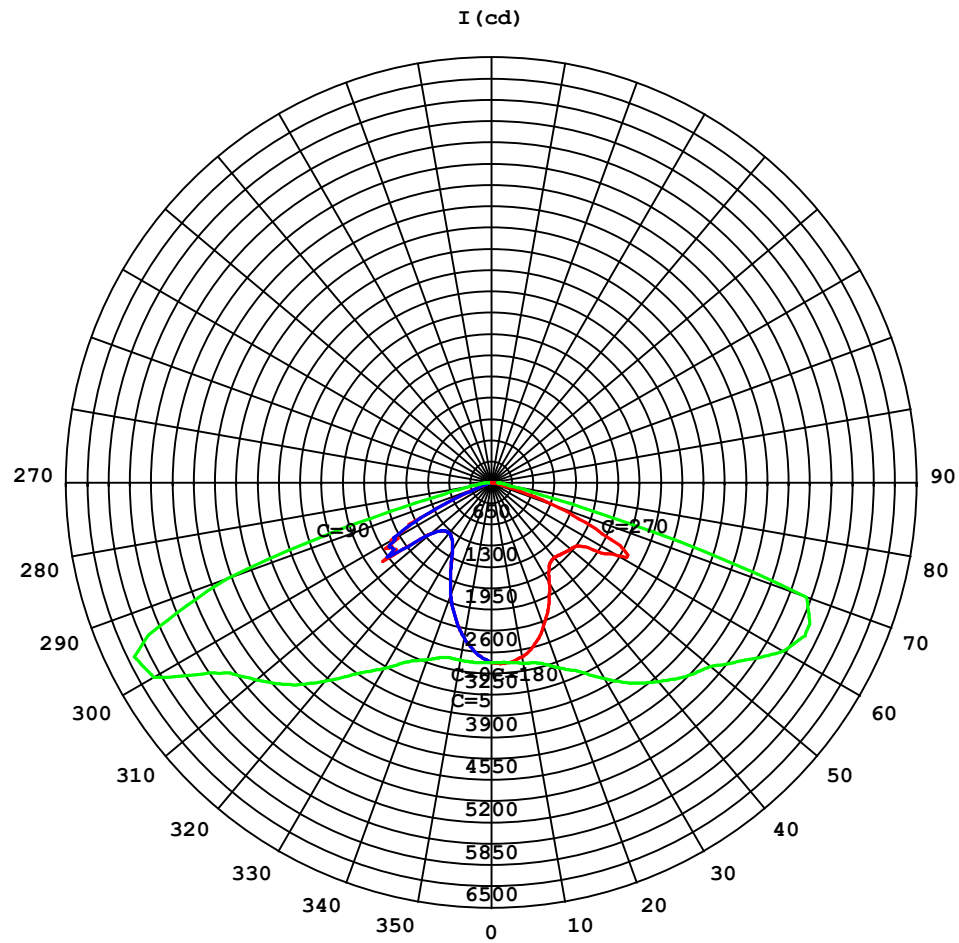
65.0	958.2	903.8
67.5	464.8	399.4
70.0	165.5	151.8
72.5	63.57	49.77
75.0	30.05	28.39
77.5	24.11	23.09
80.0	22.00	20.93
82.5	20.63	18.40
85.0	18.83	16.52
87.5	16.81	13.73
90.0	15.31	11.74

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:18.6DEG
Operators:Litvinenko A.S.
Test Date:2019-05-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.279
Humidity:51%
Test Distance:13.823m [K=1.0000]
Remarks: B-beta

FLUX DATA:

LOR:	100.0 %
STREET DOWN:	5442 1m
STREET UP:	0 1m
HOUSE DOWN:	5631 1m
HOUSE UP:	0 1m



$$I_{\max}(100\%) = 6070 \text{ cd}$$

