

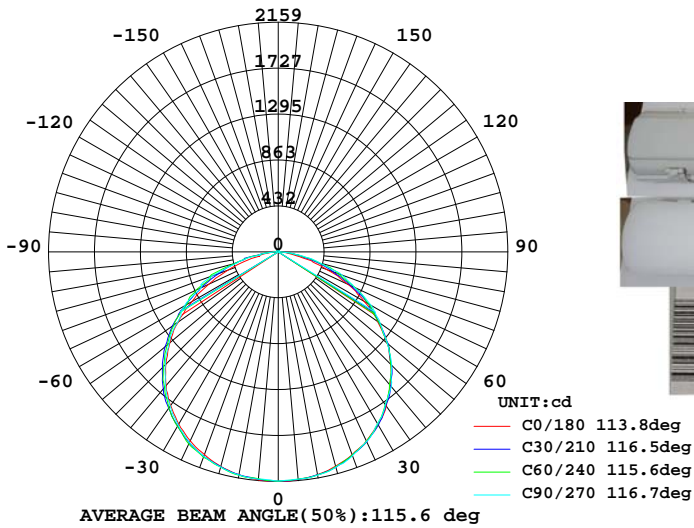
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Advanced 5000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4777	DIMENSION: 1270x120x90mm	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	2159	S/MH(C0/180)	1.29
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.30
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	6426.1	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	153.1	Current(A)	0.199
NOMINAL FLUX(lm)	6426.1	η up(%)	1.5	Power(W)	41.98
LAMPS QUANTITY	1	η down(%)	98.5	Power Factor(PF)	0.954
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	6426.1	EEL	0.089

LUMINOUS INTENSITY DISTRIBUTION



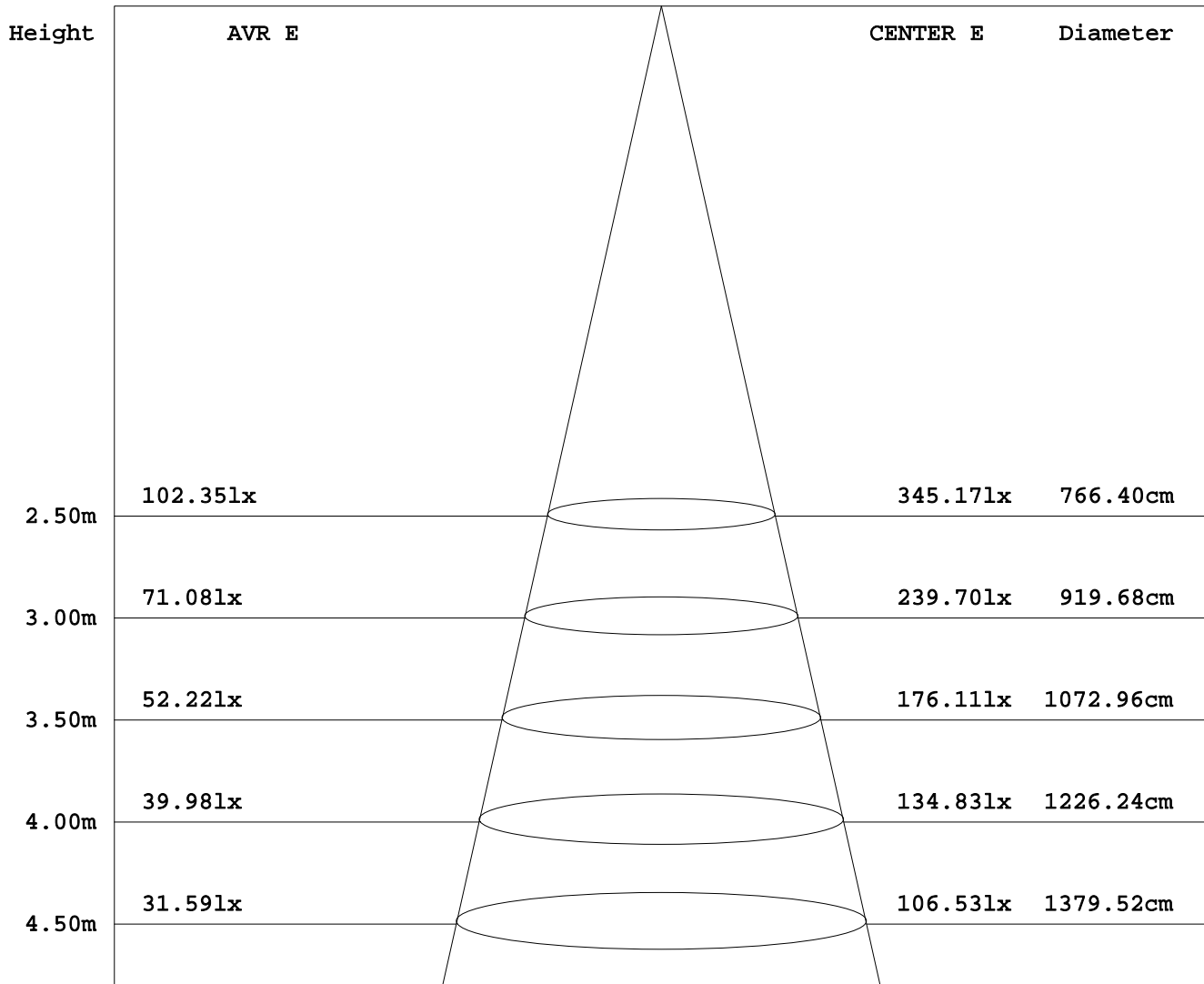
Temperature:25.3'C
 Operators:
 Test Date:06-17-2020

Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 81Ra 1.2%Flickering

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Advanced 5000K Prozračnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4777	DIMENSION: 1270x120x90mm	SERIAL No.:



Angle: 113.8deg

Temperature: 25.3 °C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 1.2% Flickering

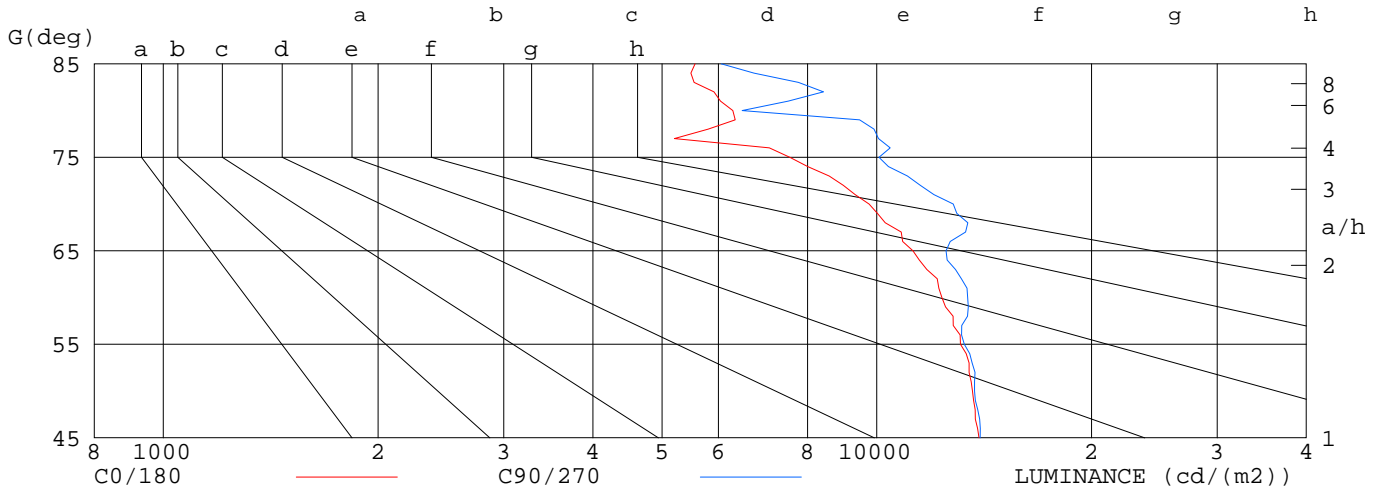
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Advanced 5000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4777	DIMENSION: 1270x120x90mm	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2

G(deg)	C0/180	C90/270
85	5563	6054
80	6285	6475
75	7552	10074
70	9752	12801
65	11235	12508
60	12337	13408
55	13101	13266
50	13616	13710
45	13910	13958

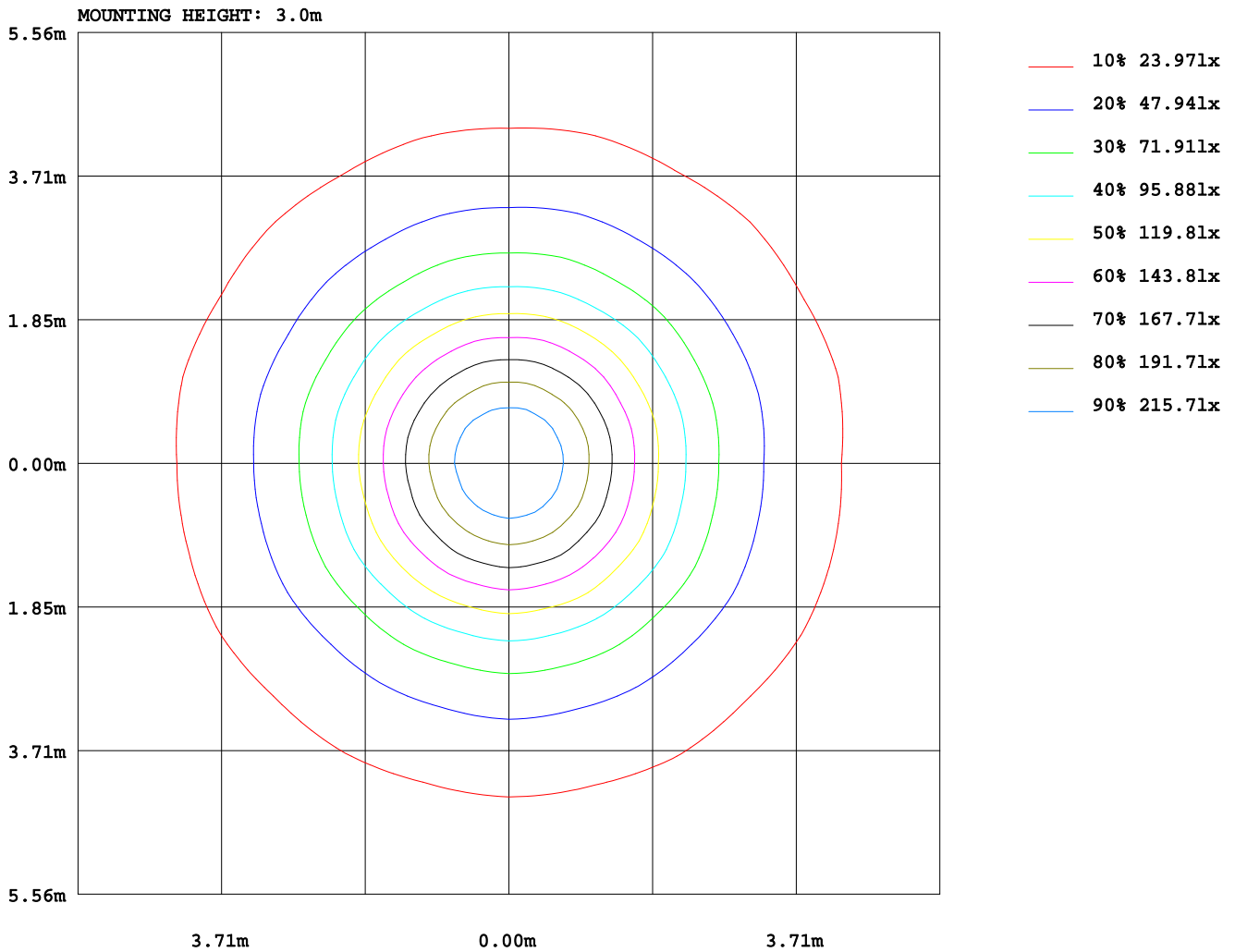
Temperature: 25.3 °C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 1.2% Flickering

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Advanced 5000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4777	DIMENSION: 1270x120x90mm	SERIAL No.:



Temperature: 25.3 °C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 1.2% Flickering

UGR Table

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Advanced 5000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4777	DIMENSION: 1270x120x90mm	SERIAL No.:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	21.9	23.4	22.1	23.6	23.8	21.9	23.4	22.2	23.7	23.9
3H	23.1	24.5	23.4	24.7	25.0	23.5	24.9	23.9	25.2	25.5
4H	23.4	24.8	23.8	25.0	25.3	24.0	25.3	24.4	25.6	25.9
6H	23.6	24.8	23.9	25.1	25.4	24.3	25.6	24.7	25.9	26.2
8H	23.6	24.8	24.0	25.1	25.4	24.4	25.6	24.8	25.9	26.2
12H	23.6	24.8	24.0	25.1	25.4	24.4	25.6	24.8	25.9	26.2
4H 2H	22.5	23.8	22.8	24.1	24.3	22.5	23.9	22.9	24.1	24.4
3H	23.9	25.1	24.3	25.4	25.7	24.3	25.5	24.7	25.8	26.2
4H	24.4	25.5	24.8	25.8	26.2	24.9	26.0	25.3	26.3	26.7
6H	24.6	25.6	25.0	25.9	26.3	25.3	26.3	25.8	26.7	27.1
8H	24.7	25.6	25.1	25.9	26.4	25.5	26.3	25.9	26.7	27.1
12H	24.7	25.5	25.2	25.9	26.4	25.5	26.3	25.9	26.7	27.1
8H 4H	24.7	25.6	25.1	26.0	26.4	25.2	26.0	25.6	26.4	26.9
6H	25.1	25.8	25.6	26.2	26.7	25.7	26.4	26.2	26.8	27.3
8H	25.2	25.9	25.7	26.3	26.8	25.9	26.5	26.3	27.0	27.4
12H	25.3	25.9	25.8	26.3	26.8	25.9	26.5	26.4	26.9	27.5
12H 4H	24.7	25.5	25.2	25.9	26.4	25.2	26.0	25.6	26.4	26.8
6H	25.1	25.8	25.6	26.2	26.7	25.7	26.4	26.2	26.8	27.3
8H	25.3	25.9	25.8	26.3	26.8	25.9	26.5	26.4	26.9	27.5

Variations with the observer position at spacings:

S = 1.0H	+ 0.3 / - 0.4	+ 0.2 / - 0.3
1.5H	+ 0.4 / - 0.5	+ 0.2 / - 0.4
2.0H	+ 0.3 / - 0.4	+ 0.2 / - 0.4

CIE Pub.117 Corrected 6426 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.5)

Temperature: 25.3 'C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 1.2% Flickering

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Advanced 5000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4777	DIMENSION: 1270x120x90mm	SERIAL No.:

UNIT: cd

γ (deg)	C(deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	2157	2157	2156	2157	2156	2155	2155	2151	2151	2152	2152	2153	2157	2157	2156
5.0	2152	2147	2147	2139	2140	2141	2144	2141	2142	2137	2141	2141	2148	2152	2147
10.0	2128	2122	2127	2124	2132	2127	2130	2116	2117	2114	2116	2115	2127	2132	2128
15.0	2089	2082	2091	2091	2094	2093	2093	2083	2087	2079	2081	2074	2086	2090	2096
20.0	2028	2027	2047	2040	2055	2042	2046	2035	2031	2019	2028	2013	2030	2042	2035
25.0	1959	1958	1979	1977	1992	1971	1977	1958	1966	1950	1960	1946	1962	1977	1969
30.0	1870	1872	1891	1889	1894	1875	1880	1858	1871	1861	1874	1857	1870	1885	1882
35.0	1765	1764	1796	1777	1793	1763	1771	1753	1759	1744	1770	1753	1772	1794	1763
40.0	1640	1646	1680	1650	1662	1645	1650	1620	1640	1619	1649	1624	1634	1670	1649
45.0	1495	1497	1539	1519	1525	1490	1500	1466	1492	1482	1513	1481	1498	1538	1506
50.0	1330	1353	1389	1358	1364	1328	1340	1306	1327	1306	1343	1328	1337	1376	1350
55.0	1142	1183	1214	1174	1197	1153	1157	1125	1151	1133	1177	1143	1139	1196	1153
60.0	938	978	1006	982	992	1018	1019	980	956	932	968	952	932	1010	988
65.0	722	774	806	778	853	790	804	763	799	732	757	744	730	809	755
70.0	507	542	591	607	687	640	666	601	663	534	544	519	482	552	549
75.0	297	319	432	457	426	386	396	347	378	395	371	326	327	345	378
80.0	166	159	259	214	254	182	171	166	170	172	246	134	125	192	199
85.0	73.6	57.5	101	59.5	95.7	54.7	80.1	47.9	69.3	36.8	77.4	46.3	47.0	89.4	66.0
90.0	24.5	11.8	28.6	20.2	39.0	23.5	37.9	20.2	31.9	15.9	24.6	11.1	14.2	24.6	11.8
95.0	57.2	9.90	18.9	11.1	21.4	11.5	21.1	10.9	19.5	9.80	17.4	10.7	24.1	18.0	8.60
100.0	28.7	10.5	15.7	9.20	16.6	9.70	16.9	9.70	16.1	9.20	15.5	13.0	14.8	17.4	8.90
105.0	18.9	11.9	14.8	9.60	15.6	10.0	15.8	10.1	15.4	9.70	14.7	46.5	12.4	17.2	9.40
110.0	16.5	22.9	14.8	10.1	15.0	10.4	15.2	10.4	14.9	10.2	14.7	18.5	12.0	42.0	10.1
115.0	16.1	15.7	15.0	10.8	14.9	11.0	15.2	11.1	14.9	11.0	15.0	14.1	12.5	21.0	11.0
120.0	16.2	12.4	15.2	11.7	15.2	11.8	15.6	11.9	15.2	11.9	15.4	12.8	13.0	16.7	11.9
125.0	16.5	13.0	15.7	12.5	15.7	12.7	16.0	12.8	15.8	12.8	15.8	13.4	14.1	16.4	12.8
130.0	17.1	14.1	16.2	13.5	16.1	13.6	16.4	13.6	16.2	13.7	16.3	14.3	15.0	16.9	13.6
135.0	17.7	15.0	16.6	14.4	16.6	14.5	17.0	14.5	16.7	14.4	16.7	15.2	15.9	17.4	14.4
140.0	18.4	15.7	17.1	15.0	17.2	15.2	17.5	15.2	17.2	15.0	17.5	16.0	16.6	17.9	15.0
145.0	18.9	16.5	17.7	15.6	17.7	15.9	17.8	15.7	17.5	15.7	18.0	16.9	17.2	18.4	15.8
150.0	19.3	17.2	18.2	16.3	18.0	16.5	18.0	16.3	17.9	16.5	18.6	17.6	17.9	18.9	16.5
155.0	19.7	18.0	18.7	17.2	18.6	17.2	18.4	16.9	18.5	17.4	19.2	18.2	18.5	19.4	17.2
160.0	20.1	18.6	19.4	18.0	19.2	18.1	19.0	17.8	19.1	18.0	19.6	18.7	19.2	20.0	17.9
165.0	20.7	19.1	19.9	18.7	19.7	19.0	19.7	18.5	19.6	18.7	20.1	19.2	19.7	20.4	18.5
170.0	21.0	19.5	20.2	19.3	20.4	19.6	20.5	19.3	20.2	19.3	20.5	19.5	20.4	20.6	19.2
175.0	21.1	19.9	20.6	19.6	20.6	19.7	21.0	19.7	20.5	19.6	20.6	19.6	20.7	20.8	19.6
180.0	21.2	20.2	20.7	20.0	20.6	20.0	21.1	20.1	20.5	19.7	20.5	19.9	21.2	20.8	20.1

Temperature: 25.3 °C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 1.2% Flickering

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40&Aacute; Advanced 5000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4777	DIMENSION: 1270x120x90mm	SERIAL No.:

UNIT: cd

γ (deg) \ C (deg)	225	240	255	270	285	300	315	330	345
0.0	2157	2156	2155	2155	2151	2151	2152	2152	2153
5.0	2146	2144	2147	2145	2149	2148	2150	2146	2148
10.0	2139	2130	2135	2132	2136	2134	2135	2125	2128
15.0	2102	2091	2098	2095	2107	2098	2105	2092	2092
20.0	2044	2033	2048	2040	2054	2042	2052	2046	2045
25.0	1971	1963	1976	1966	1981	1974	1989	1977	1977
30.0	1885	1871	1884	1867	1896	1892	1910	1891	1894
35.0	1781	1753	1766	1757	1792	1780	1804	1787	1795
40.0	1659	1627	1660	1653	1675	1645	1684	1667	1673
45.0	1516	1496	1515	1509	1531	1533	1539	1528	1542
50.0	1370	1339	1357	1338	1380	1376	1408	1375	1383
55.0	1182	1155	1190	1169	1209	1186	1229	1198	1226
60.0	993	980	1026	1011	1037	1015	1034	1020	1030
65.0	815	802	817	789	850	841	858	804	823
70.0	614	593	655	638	670	637	676	589	600
75.0	435	398	435	413	450	447	474	410	373
80.0	250	210	260	234	287	256	300	221	178
85.0	119	47.5	117	50.4	157	112	144	101	99.1
90.0	25.7	13.7	28.5	16.1	30.7	17.0	30.1	14.7	29.1
95.0	17.2	8.90	18.0	9.20	18.7	9.40	18.6	9.09	18.7
100.0	15.4	8.70	15.5	8.60	15.7	8.60	15.7	8.80	17.4
105.0	14.9	9.40	14.9	9.30	14.9	9.20	15.0	9.30	17.5
110.0	14.8	9.90	14.7	10.0	14.7	9.70	14.8	9.90	36.7
115.0	14.9	10.8	14.9	10.8	14.8	10.5	14.8	10.7	21.4
120.0	15.2	11.7	15.2	11.7	15.0	11.4	15.0	11.5	16.6
125.0	15.8	12.6	15.6	12.6	15.5	12.3	15.6	12.6	16.2
130.0	16.2	13.4	16.2	13.5	16.1	13.3	16.0	13.4	16.6
135.0	16.6	14.2	16.6	14.3	16.5	14.1	16.5	14.2	17.2
140.0	17.0	14.9	17.0	14.9	17.1	14.8	17.0	14.8	17.7
145.0	17.4	15.4	17.4	15.5	17.4	15.4	17.2	15.5	18.0
150.0	17.8	16.0	17.7	16.0	17.9	16.1	17.7	16.3	18.5
155.0	18.1	16.5	18.0	16.5	18.2	16.6	18.1	17.0	19.0
160.0	18.7	17.2	18.4	17.2	18.7	17.4	18.7	17.6	19.3
165.0	19.3	17.9	19.0	18.0	19.4	18.0	19.2	18.1	19.6
170.0	19.6	18.5	19.5	18.9	19.9	18.7	19.6	18.7	20.1
175.0	20.4	19.4	20.1	19.6	20.2	19.3	20.1	19.3	20.2
180.0	20.6	20.0	20.6	20.5	20.7	19.9	20.4	19.7	20.5

Temperature: 25.3 'C
 Operators:
 Test Date: 06-17-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 1.2% Flickering