

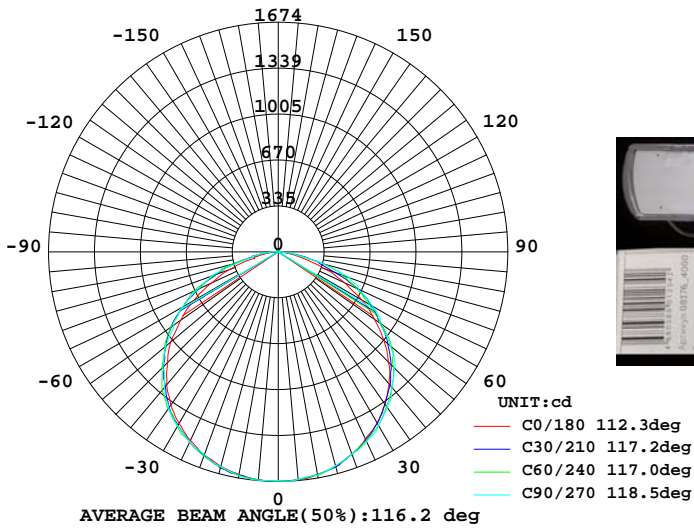
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Standard 4000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4027	DIMENSION: 1270x120x90mm	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	1675	S/MH(C0/180)	1.28
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.31
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	5026.5	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	131.1	Current(A)	0.183
NOMINAL FLUX(lm)	5026.5	η up(%)	1.8	Power(W)	38.34
LAMPS QUANTITY	1	η down(%)	98.2	Power Factor(PF)	0.946
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	5026.5	EEL	0.104

LUMINOUS INTENSITY DISTRIBUTION



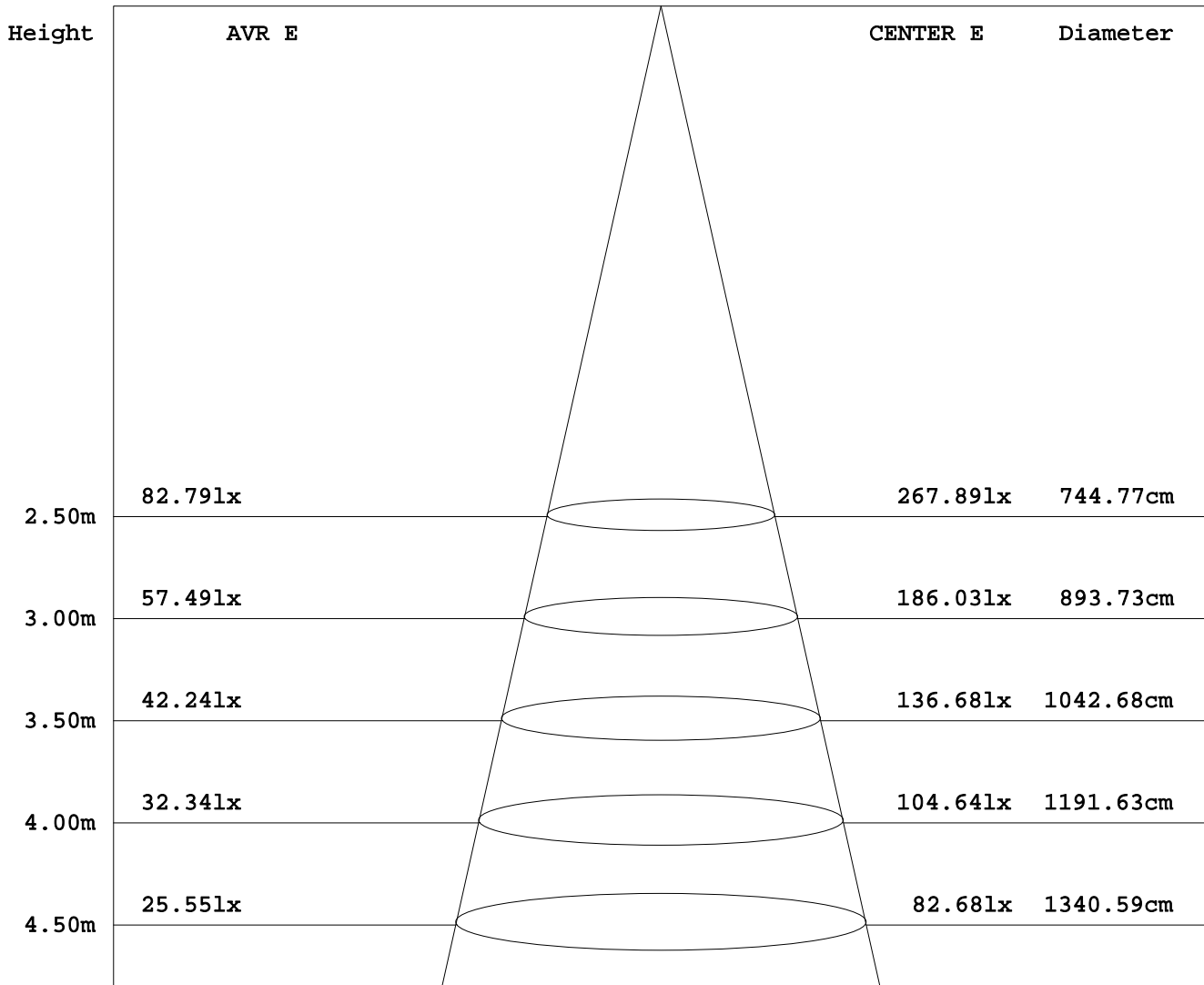
Temperature: 25.3 'C
 Operators:
 Test Date: 06-17-2020

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 Standard 4000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4027	DIMENSION: 1270x120x90mm	SERIAL No.:



Angle: 112.2deg

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

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

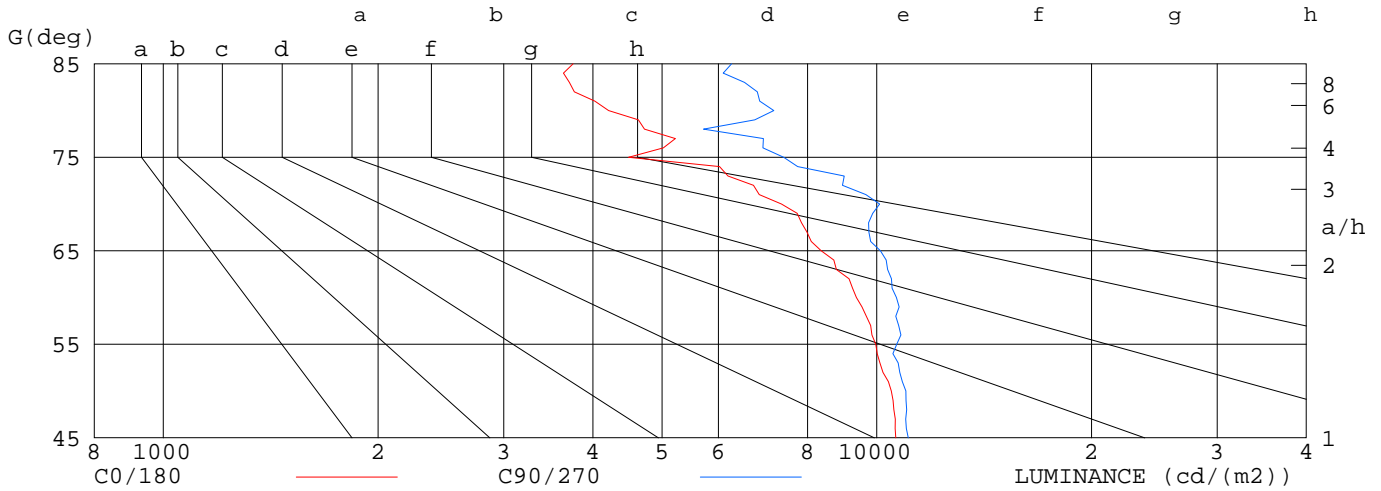
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Standart 4000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4027	DIMENSION: 1270x120x90mm	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
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



G(deg)	LUMINANCE cd/m2	
	C0/180	C90/270
85	3752	6258
80	4209	7172
75	4489	7405
70	7354	10093
65	8356	10119
60	9366	10653
55	9966	10666
50	10480	10986
45	10634	11069

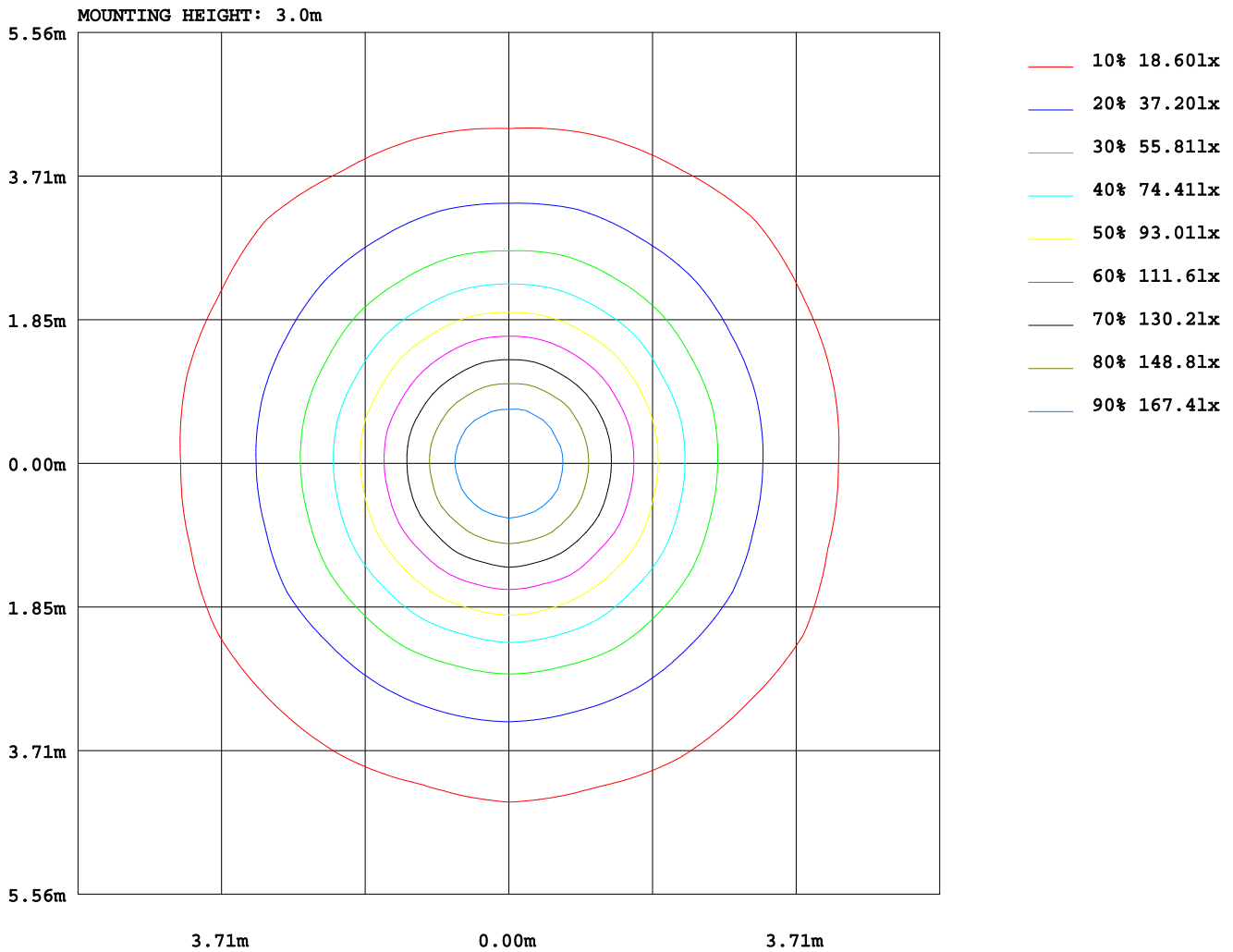
Temperature: 25.3 °C
 Operators:
 Test Date: 06-17-2020

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LSP 40Å Standard 4000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4027	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 Standard 4000K Prozrachnii					TYPE:			WEIGHT:		
SPECIFICATION:		CCT(K): 4027			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	20.9	22.4	21.2	22.6	22.8	21.1	22.6	21.4	22.9	23.1
3H	22.1	23.5	22.5	23.8	24.1	22.7	24.0	23.0	24.3	24.6
4H	22.5	23.8	22.8	24.1	24.4	23.1	24.4	23.5	24.7	25.0
6H	22.6	23.9	23.0	24.2	24.5	23.4	24.6	23.7	24.9	25.2
8H	22.7	23.9	23.0	24.2	24.5	23.5	24.7	23.8	25.0	25.3
12H	22.7	23.8	23.0	24.1	24.5	23.5	24.7	23.9	25.0	25.3
4H 2H	21.6	22.9	21.9	23.2	23.5	21.8	23.1	22.1	23.4	23.7
3H	23.0	24.2	23.4	24.5	24.9	23.5	24.6	23.8	24.9	25.3
4H	23.5	24.6	23.9	24.9	25.3	24.1	25.1	24.5	25.5	25.8
6H	23.8	24.7	24.2	25.1	25.5	24.4	25.3	24.8	25.7	26.1
8H	23.8	24.7	24.3	25.1	25.5	24.5	25.3	24.9	25.7	26.2
12H	23.9	24.7	24.3	25.1	25.5	24.5	25.3	25.0	25.8	26.2
8H 4H	23.8	24.7	24.2	25.1	25.5	24.3	25.1	24.7	25.5	25.9
6H	24.2	24.9	24.7	25.4	25.8	24.7	25.4	25.2	25.8	26.3
8H	24.3	25.0	24.8	25.4	25.9	24.9	25.5	25.4	26.0	26.5
12H	24.4	24.9	24.9	25.4	25.9	25.0	25.5	25.5	26.0	26.5
12H 4H	23.8	24.6	24.3	25.0	25.5	24.2	25.0	24.7	25.5	25.9
6H	24.3	24.9	24.7	25.3	25.8	24.7	25.3	25.2	25.8	26.3
8H	24.4	24.9	24.9	25.4	25.9	24.9	25.5	25.4	26.0	26.5

Variations with the observer position at spacings:

S = 1.0H	+ 0.2 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.3 / - 0.5	+ 0.4 / - 0.4
2.0H	+ 0.4 / - 0.6	+ 0.3 / - 0.3

CIE Pub.117 Corrected 5026 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.6)

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 Standard 4000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4027	DIMENSION: 1270x120x90mm	SERIAL No.:

UNIT: cd

γ (deg) \ C (deg)	C (deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1674	1674	1674	1674	1673	1671	1670	1667	1668	1669	1671	1670	1674	1674	1674
5.0	1668	1666	1667	1665	1667	1668	1672	1669	1665	1663	1664	1662	1669	1669	1670
10.0	1649	1647	1653	1656	1653	1650	1658	1649	1651	1647	1647	1640	1650	1654	1650
15.0	1619	1617	1631	1620	1625	1612	1619	1612	1615	1610	1622	1611	1620	1620	1623
20.0	1576	1570	1580	1575	1585	1571	1575	1569	1570	1565	1572	1566	1570	1576	1573
25.0	1516	1514	1530	1525	1528	1522	1530	1511	1523	1507	1515	1505	1505	1519	1511
30.0	1445	1446	1462	1449	1471	1456	1465	1452	1453	1436	1449	1434	1443	1460	1444
35.0	1365	1361	1385	1380	1398	1383	1391	1377	1384	1353	1368	1344	1358	1370	1356
40.0	1266	1259	1281	1280	1320	1280	1291	1268	1289	1269	1280	1252	1257	1273	1270
45.0	1143	1150	1187	1177	1199	1170	1190	1157	1160	1156	1164	1130	1135	1160	1165
50.0	1024	1014	1067	1062	1080	1051	1073	1039	1077	1015	1054	1005	1008	1029	1043
55.0	869	871	951	935	957	909	930	889	926	922	926	866	857	898	911
60.0	712	736	794	785	813	776	810	781	793	743	762	713	710	744	781
65.0	537	591	635	631	674	632	650	625	626	602	626	574	534	620	650
70.0	382	437	473	481	492	490	525	480	474	442	446	423	353	451	442
75.0	177	253	337	323	352	323	291	235	319	305	294	242	204	336	307
80.0	111	140	193	138	178	152	189	140	162	115	175	121	90.3	164	165
85.0	49.7	41.4	80.4	56.8	89.0	57.9	82.9	57.3	72.5	42.5	68.1	34.0	33.0	80.4	47.7
90.0	19.7	15.5	36.1	25.4	46.2	29.6	45.4	28.2	39.0	19.7	31.0	14.5	9.20	27.7	18.5
95.0	19.4	14.5	20.1	12.1	23.1	14.0	24.0	13.2	20.2	10.2	17.7	15.4	9.80	21.9	9.70
100.0	17.5	24.5	15.0	8.20	15.9	9.09	16.4	8.80	15.0	8.10	14.9	47.7	11.3	28.4	9.09
105.0	14.5	19.3	13.4	8.10	13.9	8.50	14.1	8.50	13.7	8.29	13.9	15.4	9.90	27.7	9.70
110.0	13.3	13.5	13.2	8.40	13.2	8.70	13.5	8.70	13.0	8.40	17.2	10.5	9.30	17.9	10.0
115.0	13.2	10.8	12.9	8.90	13.0	9.09	13.4	9.09	12.9	9.00	13.9	9.90	10.1	14.7	10.8
120.0	13.3	10.4	12.9	9.60	13.0	9.70	13.5	9.80	13.0	9.70	13.0	9.90	10.5	14.1	10.2
125.0	13.7	10.5	13.2	10.2	13.3	10.4	13.7	10.4	13.3	10.2	13.3	10.8	11.4	14.1	10.8
130.0	14.1	11.2	13.9	10.8	13.5	11.0	13.7	11.0	13.5	10.9	13.7	11.3	12.2	14.2	11.4
135.0	14.5	12.0	14.0	11.5	13.9	11.5	14.1	11.5	13.7	11.5	13.9	12.0	12.9	14.5	12.0
140.0	15.0	12.6	14.1	12.1	14.2	12.2	14.4	12.1	14.1	12.0	14.2	12.8	13.6	15.0	12.4
145.0	15.6	13.3	14.5	12.6	14.5	12.7	14.5	12.5	14.3	12.5	14.5	13.4	14.2	15.5	12.9
150.0	15.9	13.7	14.9	13.0	14.8	13.2	14.5	13.0	14.5	13.0	15.0	14.4	14.7	16.0	13.6
155.0	16.4	14.3	15.2	13.7	15.0	13.7	14.8	13.5	14.9	13.7	15.5	15.0	15.2	16.4	14.3
160.0	16.9	14.8	15.7	14.4	15.6	14.5	15.2	14.1	15.4	14.4	16.0	15.6	16.2	16.9	15.0
165.0	17.2	15.6	16.1	15.0	16.0	15.0	15.9	14.7	15.9	15.0	16.7	16.2	16.6	17.2	15.5
170.0	17.6	16.1	16.5	15.5	16.5	15.7	16.5	15.5	16.4	16.0	17.2	16.4	17.2	17.4	16.0
175.0	17.9	16.5	17.2	16.4	17.2	16.4	17.1	16.3	17.2	16.5	17.4	16.5	17.5	17.6	16.5
180.0	17.8	17.0	17.5	16.9	17.4	16.9	17.7	16.4	17.0	16.4	17.1	16.5	17.9	17.5	16.9

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 Standard 4000K Prozrachnii		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4027	DIMENSION: 1270x120x90mm	SERIAL No.:

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1674	1673	1671	1670	1667	1668	1669	1671	1670
5.0	1669	1668	1668	1666	1670	1667	1665	1663	1664
10.0	1654	1655	1656	1650	1653	1646	1650	1649	1649
15.0	1624	1615	1623	1615	1629	1621	1627	1617	1621
20.0	1578	1572	1579	1571	1583	1577	1592	1578	1576
25.0	1519	1520	1532	1525	1536	1520	1530	1523	1523
30.0	1460	1462	1471	1461	1477	1467	1470	1456	1456
35.0	1386	1376	1402	1386	1400	1387	1400	1368	1372
40.0	1294	1290	1311	1290	1313	1302	1306	1280	1278
45.0	1189	1189	1222	1199	1217	1211	1220	1169	1179
50.0	1083	1077	1089	1067	1108	1097	1098	1065	1044
55.0	978	922	929	902	942	956	990	931	906
60.0	800	771	800	794	802	786	850	789	774
65.0	631	633	672	647	670	651	659	652	613
70.0	496	493	560	557	575	524	501	476	468
75.0	374	348	351	335	364	366	411	318	332
80.0	155	135	169	146	172	175	174	201	184
85.0	87.5	48.1	88.4	46.2	108	80.8	90.5	54.2	86.4
90.0	38.5	25.4	43.2	30.3	44.6	27.9	36.0	17.9	27.7
95.0	18.6	10.9	22.6	13.3	23.5	11.8	19.1	9.40	22.2
100.0	15.2	9.20	16.2	9.50	16.3	9.20	15.4	8.50	27.2
105.0	14.1	9.09	14.8	9.30	14.9	9.09	14.3	8.40	33.0
110.0	13.5	9.20	14.1	9.70	14.2	9.00	13.7	9.70	17.9
115.0	13.3	9.50	13.9	10.4	14.0	9.30	13.0	9.40	15.2
120.0	13.6	10.3	13.9	10.7	13.9	10.0	13.3	9.80	14.4
125.0	14.0	11.2	14.2	11.5	14.2	10.9	13.7	10.7	14.1
130.0	14.2	12.0	15.2	12.6	15.2	12.0	14.2	11.3	14.1
135.0	14.4	12.3	15.0	12.9	15.2	12.4	14.4	12.0	14.4
140.0	14.4	12.5	15.0	13.0	15.2	12.7	14.5	12.3	14.8
145.0	14.5	12.8	14.9	13.0	15.0	12.9	14.5	12.7	15.0
150.0	14.8	13.0	14.8	13.2	15.0	13.2	14.7	13.3	15.5
155.0	15.0	13.4	14.9	13.5	15.2	13.6	15.0	13.9	15.9
160.0	15.6	14.1	15.2	14.1	15.6	14.1	15.4	14.5	16.2
165.0	16.2	14.9	15.8	14.9	16.1	14.8	16.0	15.2	16.5
170.0	16.6	15.6	16.5	15.8	16.5	15.4	16.5	15.6	16.9
175.0	17.2	16.2	17.0	16.5	16.6	15.9	16.7	16.1	17.1
180.0	17.5	16.9	17.5	17.1	17.0	16.4	17.0	16.5	17.2

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

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