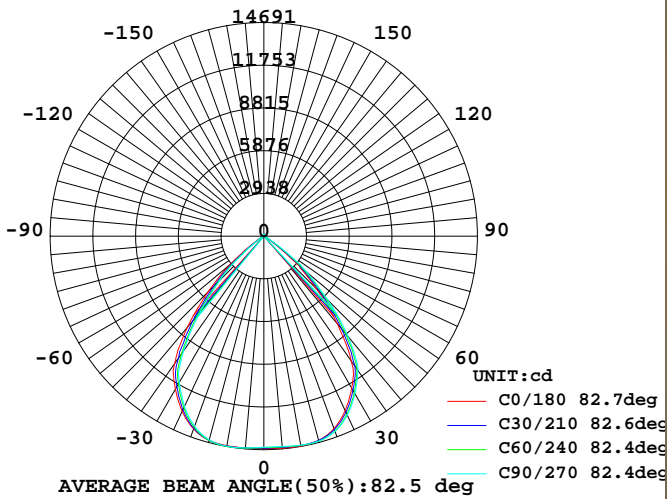


## STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K Dif Alum 90 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4974	DIMENSION: 275x275x84	SERIAL No.:

MODEL:		Imax(cd):	14691	Effictive Flux(lm):	23706.6
NOMINAL POWER(W):	154	MAXIMUM(C, γ):	60, 10.0	EEl	0.088
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.0
NOMINAL FLUX(lm):	23706.6	η street_up(%):	0.6	Current(A)	0.715
TEST FLUX(lm):	23706.6	η street_down(%):	46.5	Power(W)	153.8
LAMPS QUANTITY:	1	η house_up(%):	0.6	Power Factor	0.978
TOTAL RADIANT(mw):	23706.6	η house_down(%):	52.3	EEFFICIENCY(lm/W)	154.0



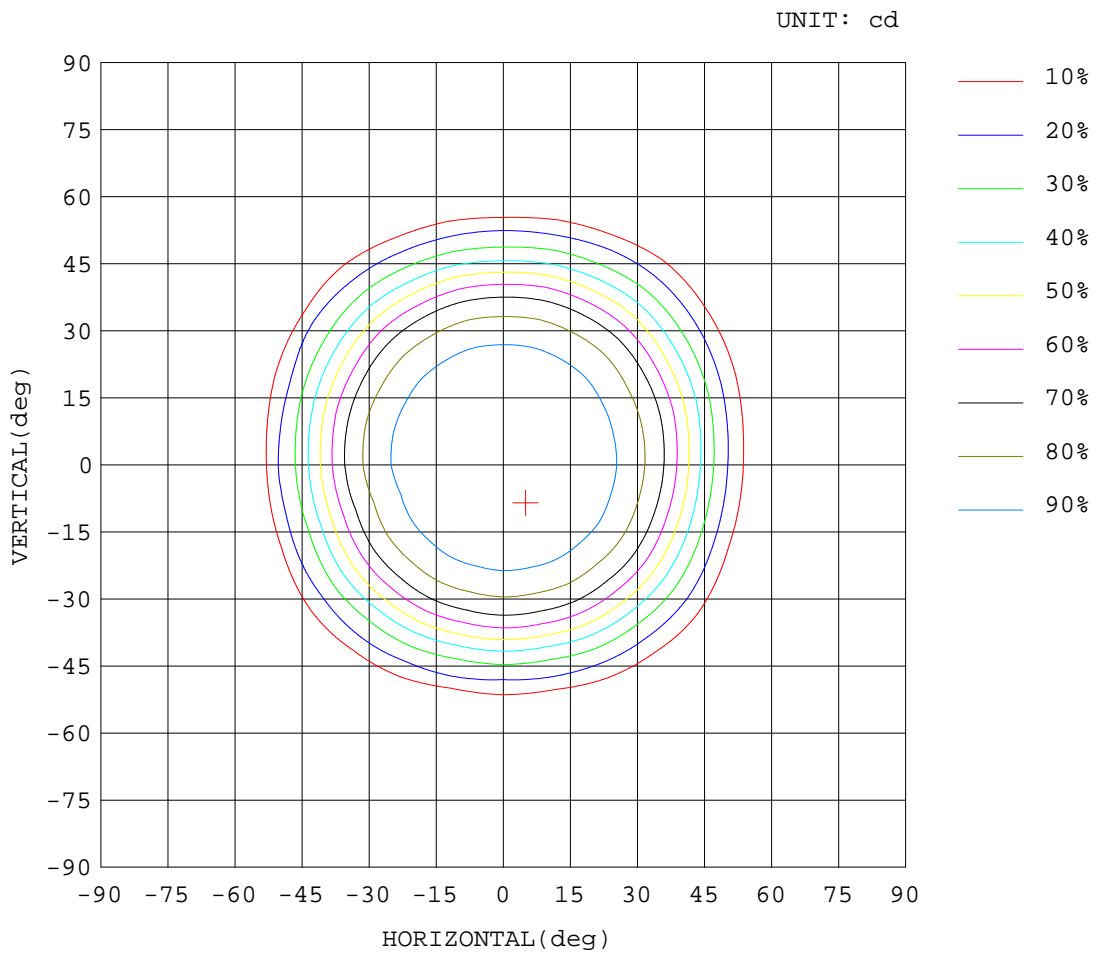
Temperature:25.3'C  
 Operators:  
 Test Date:18-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 82Ra 0.5Flickering Temp 54.6C

### ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K Dif Alum 90 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4974	DIMENSION: 275x275x84	SERIAL No.:



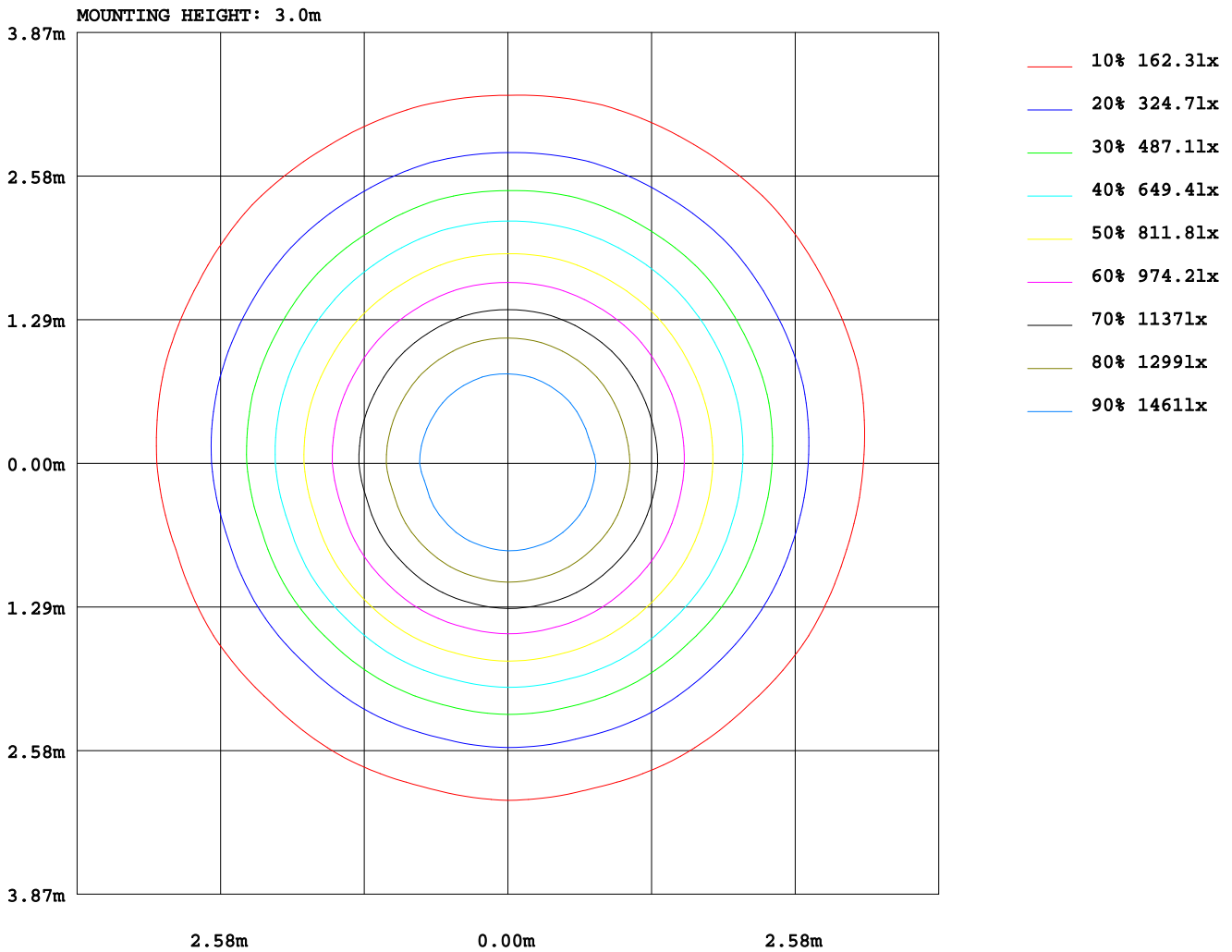
Temperature: 25.3 'C  
 Operators:  
 Test Date: 18-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 82Ra 0.5Flickering Temp 54.6C

### ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K Dif Alum 90 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4974	DIMENSION: 275x275x84	SERIAL No.:



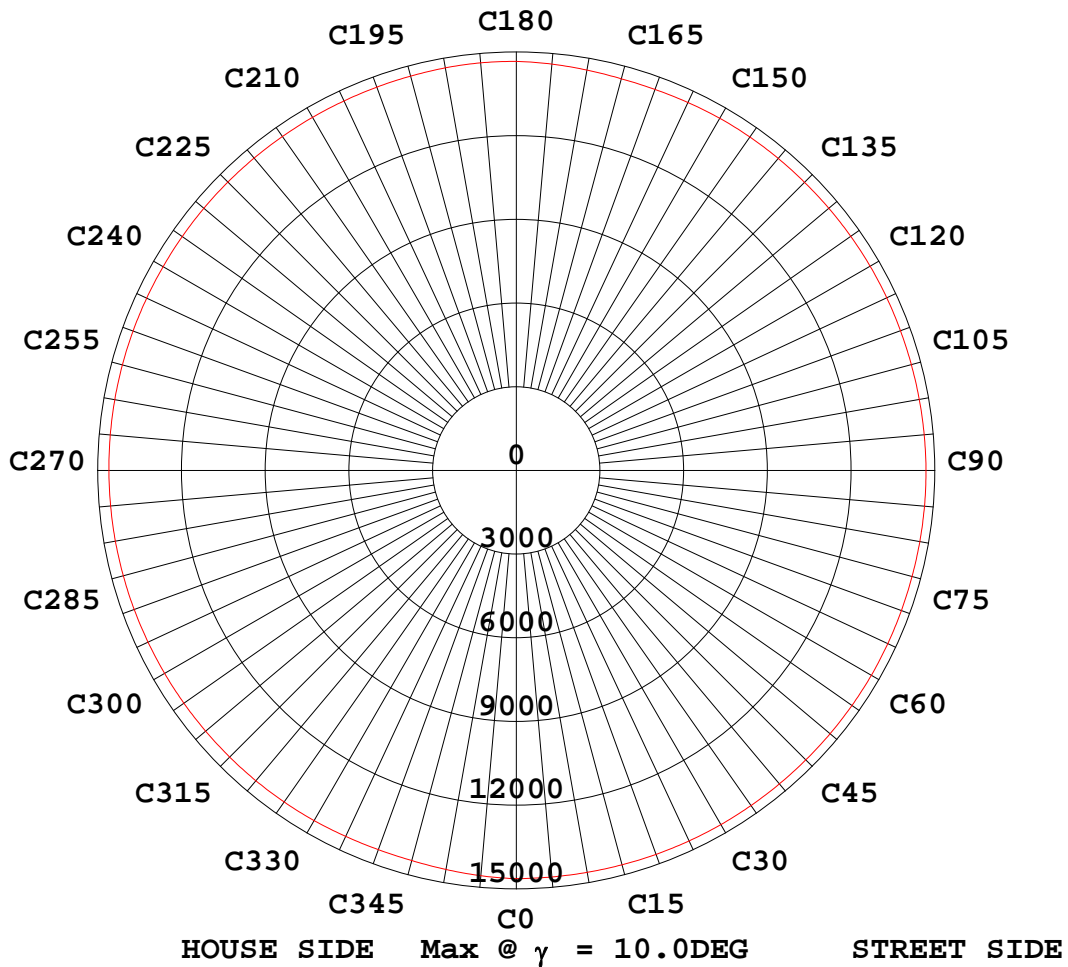
Temperature: 25.3 °C  
 Operators:  
 Test Date: 18-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 82Ra 0.5 Flickering Temp 54.6C

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K Dif Alum 90 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4974	DIMENSION: 275x275x84	SERIAL No.:



Temperature: 25.3 °C  
 Operators:  
 Test Date: 18-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 82Ra 0.5Flickering Temp 54.6C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: Kolokol 275x275x84 150W 5000K Dif Alum 90 80Ra</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4974</b>	<b>DIMENSION: 275x275x84</b>	<b>SERIAL No.:</b>

UNIT:  $\mu\text{A}10\text{cd}$

C(deg) \ $\gamma$ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1461	1459	1458	1456	1454	1453	1452	1450	1449	1448	1447	1446	1461	1459	1458
5.0	1462	1461	1462	1462	1463	1462	1462	1460	1459	1456	1454	1451	1464	1461	1458
10.0	1463	1464	1466	1467	1469	1468	1468	1466	1464	1461	1458	1454	1466	1464	1462
15.0	1454	1452	1455	1454	1455	1451	1451	1446	1447	1444	1444	1440	1455	1454	1454
20.0	1411	1406	1406	1401	1399	1393	1391	1387	1388	1387	1390	1388	1410	1412	1416
25.0	1330	1319	1318	1305	1303	1291	1292	1284	1291	1288	1297	1296	1324	1332	1337
30.0	1217	1201	1197	1178	1176	1162	1164	1155	1164	1162	1175	1176	1208	1222	1225
35.0	1069	1041	1024	998	989	968	963	951	962	970	992	1001	1048	1074	1095
40.0	817	776	763	724	714	678	683	667	687	686	722	732	786	814	835
45.0	542	500	489	452	448	421	429	412	429	426	455	461	512	547	558
50.0	303	268	257	227	186	196	187	187	189	202	188	235	324	308	323
55.0	98.5	74.8	69.1	54.5	57.0	48.8	53.0	46.9	54.2	51.6	61.7	59.4	81.0	99.2	110
60.0	36.5	30.6	30.9	24.5	27.7	22.8	26.8	22.7	27.9	24.8	30.7	30.5	31.7	37.1	35.4
65.0	18.2	16.3	18.6	14.1	17.0	13.3	16.5	13.2	17.1	14.5	18.6	15.5	17.1	18.0	19.1
70.0	13.4	9.50	11.4	8.21	10.4	7.74	10.0	7.65	10.4	8.43	11.4	8.93	9.84	13.1	10.9
75.0	8.18	5.57	6.96	4.76	6.31	4.43	6.07	4.35	6.30	4.80	6.87	5.11	5.59	7.97	6.24
80.0	4.79	2.94	4.04	2.41	3.59	2.16	3.41	2.12	3.52	2.35	3.88	2.59	2.97	4.64	3.41
85.0	2.53	1.14	2.05	0.80	1.71	0.65	1.59	0.62	1.64	0.70	1.86	0.89	1.18	2.42	1.48
90.0	1.10	0.45	1.07	0.47	1.08	0.48	1.09	0.49	1.12	0.50	1.14	0.49	0.52	1.09	0.45
95.0	1.00	0.52	0.98	0.54	0.98	0.55	0.98	0.57	0.99	0.56	0.99	0.54	0.53	0.98	0.49
100.0	1.03	0.69	1.03	0.74	1.05	0.77	1.07	0.78	1.07	0.77	1.06	0.74	0.71	1.02	0.65
105.0	1.21	1.03	1.25	1.10	1.30	1.15	1.33	1.17	1.33	1.15	1.30	1.09	1.08	1.22	0.97
110.0	1.60	1.55	1.67	1.65	1.75	1.73	1.80	1.76	1.80	1.73	1.75	1.63	1.64	1.64	1.49
115.0	2.19	2.29	2.30	2.41	2.40	2.52	2.47	2.56	2.47	2.51	2.40	2.39	2.44	2.30	2.25
120.0	3.00	3.20	3.12	3.34	3.25	3.46	3.33	3.50	3.33	3.45	3.23	3.31	3.42	3.15	3.20
125.0	3.95	4.19	4.07	4.34	4.20	4.48	4.32	4.52	4.28	4.43	4.17	4.31	4.49	4.15	4.24
130.0	4.97	5.30	5.05	5.37	5.18	5.58	5.36	5.62	5.25	5.46	5.15	5.40	5.66	5.23	5.36
135.0	6.07	6.41	6.09	6.44	6.23	6.70	6.45	6.69	6.30	6.53	6.19	6.47	6.84	6.36	6.49
140.0	7.17	7.50	7.18	7.53	7.32	7.77	7.53	7.77	7.37	7.61	7.27	7.56	7.95	7.50	7.63
145.0	8.20	8.55	8.23	8.66	8.39	8.86	8.53	8.80	8.41	8.71	8.32	8.64	9.04	8.58	8.77
150.0	9.26	9.61	9.30	9.75	9.51	10.0	9.58	9.86	9.48	9.78	9.43	9.77	10.1	9.71	9.91
155.0	10.4	10.7	10.4	10.9	10.6	11.2	10.7	11.0	10.5	10.9	10.5	11.0	11.2	10.9	11.0
160.0	11.6	11.9	11.5	12.0	11.9	12.4	11.9	12.1	11.7	12.1	11.8	12.2	12.3	12.1	12.2
165.0	12.9	13.1	12.7	13.1	13.0	13.5	13.1	13.2	12.8	13.1	12.9	13.3	13.5	13.2	13.2
170.0	14.1	14.0	13.7	14.0	13.9	14.3	14.1	14.1	13.8	14.0	13.8	14.2	14.4	14.1	14.1
175.0	14.8	14.7	14.5	14.6	14.5	14.8	14.9	14.6	14.4	14.6	14.4	14.6	15.1	14.7	14.6
180.0	15.1	14.9	14.7	14.8	14.7	14.8	15.0	14.7	14.6	14.7	14.6	14.7	15.2	14.8	14.8

Temperature: 25.3 °C  
 Operators:  
 Test Date: 18-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 82Ra 0.5Flickering Temp 54.6C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: Kolokol 275x275x84 150W 5000K Dif Alum 90 80Ra</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4974</b>	<b>DIMENSION: 275x275x84</b>	<b>SERIAL No.:</b>

UNIT:  $\mu\text{A}10\text{cd}$

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1456	1454	1453	1452	1450	1449	1448	1447	1446
5.0	1456	1455	1454	1452	1451	1449	1448	1446	1446
10.0	1462	1462	1462	1460	1458	1455	1453	1449	1448
15.0	1458	1459	1461	1460	1458	1454	1451	1445	1442
20.0	1424	1427	1431	1430	1430	1425	1422	1413	1407
25.0	1347	1352	1359	1358	1360	1355	1352	1340	1331
30.0	1239	1242	1254	1251	1257	1249	1248	1232	1225
35.0	1112	1117	1129	1129	1134	1128	1125	1109	1101
40.0	867	875	897	899	910	901	896	873	860
45.0	589	595	628	624	641	629	631	598	590
50.0	352	363	385	388	398	387	383	361	348
55.0	135	138	161	160	173	163	164	140	133
60.0	42.2	39.4	45.4	41.8	48.1	44.4	49.5	43.0	43.5
65.0	23.6	20.7	24.5	21.0	25.3	22.4	26.7	22.5	24.4
70.0	14.5	11.8	15.0	11.9	15.5	13.0	16.8	13.2	15.3
75.0	8.82	6.83	9.20	6.94	9.52	7.65	10.4	7.75	9.41
80.0	5.22	3.83	5.51	3.94	5.73	4.35	6.23	4.32	5.56
85.0	2.83	1.78	3.07	1.91	3.20	2.05	3.36	1.94	2.94
90.0	1.21	0.46	1.38	0.54	1.47	0.55	1.45	0.45	1.21
95.0	0.99	0.48	0.99	0.47	1.00	0.46	1.01	0.48	0.99
100.0	1.00	0.61	0.99	0.60	0.99	0.60	1.00	0.62	1.00
105.0	1.16	0.90	1.13	0.88	1.12	0.88	1.14	0.91	1.17
110.0	1.54	1.39	1.48	1.34	1.46	1.34	1.49	1.40	1.55
115.0	2.16	2.11	2.06	2.05	2.04	2.05	2.08	2.12	2.17
120.0	2.97	3.04	2.86	2.96	2.83	2.96	2.87	3.04	2.99
125.0	3.97	4.06	3.82	3.99	3.78	3.97	3.84	4.07	3.96
130.0	4.99	5.18	4.88	5.14	4.83	5.08	4.86	5.17	5.02
135.0	6.07	6.31	6.01	6.32	5.97	6.21	5.93	6.29	6.13
140.0	7.18	7.45	7.14	7.45	7.10	7.35	7.03	7.41	7.25
145.0	8.30	8.57	8.21	8.53	8.18	8.48	8.14	8.52	8.29
150.0	9.42	9.67	9.26	9.60	9.29	9.60	9.24	9.61	9.33
155.0	10.5	10.7	10.3	10.6	10.4	10.6	10.3	10.6	10.4
160.0	11.6	11.8	11.4	11.8	11.6	11.8	11.4	11.7	11.5
165.0	12.7	12.9	12.5	13.1	12.8	12.9	12.5	12.8	12.6
170.0	13.7	13.8	13.5	14.1	13.7	13.8	13.5	13.8	13.6
175.0	14.4	14.5	14.3	14.9	14.4	14.4	14.3	14.4	14.3
180.0	14.7	14.8	14.7	15.1	14.7	14.7	14.6	14.7	14.7

Temperature: 25.3 °C  
 Operators:  
 Test Date: 18-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 82Ra 0.5Flickering Temp 54.6C