

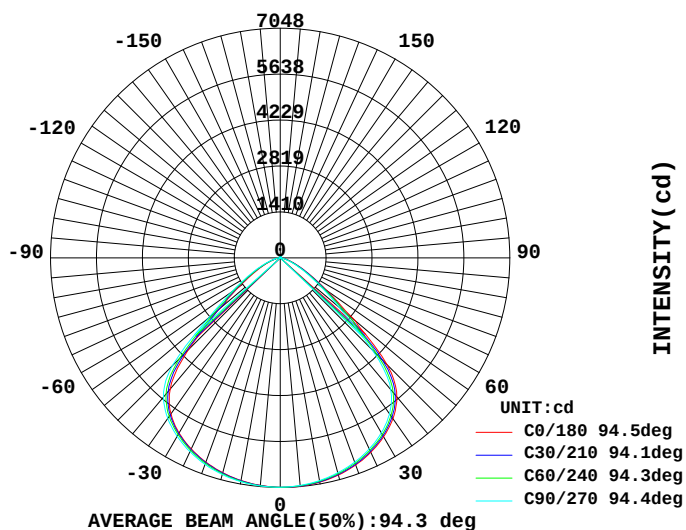
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

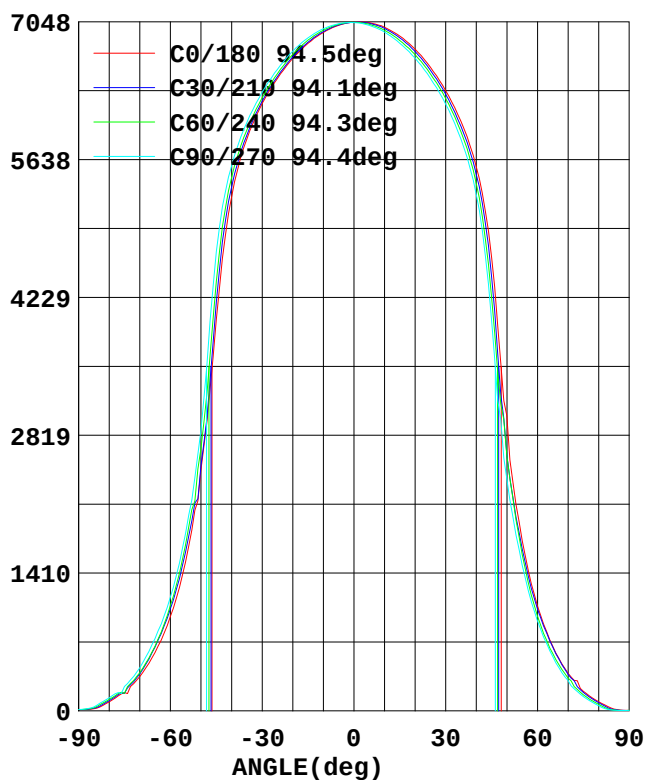
MANUFACTURER:			
Address:			
NAME: Kolokol 80W 5000K 70Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5036	DIMENSION: 264x264x120	SERIAL No.:

DATA OF LAMP		Imax(cd)	7048	S/MH(C0/180)	1.31
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.33
NOMINAL POWER(W)	80	TOTAL FLUX(lm)	15154.7	Voltage(V)	220.1
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	189.1	Current(A)	0.383
NOMINAL FLUX(lm)	15154.7	η up(%)	1.2	Power(W)	80.13
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.949
TEST VOLTAGE(V)	220.2	Effective Flux(lm)	15154.7	EEI	0.072

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



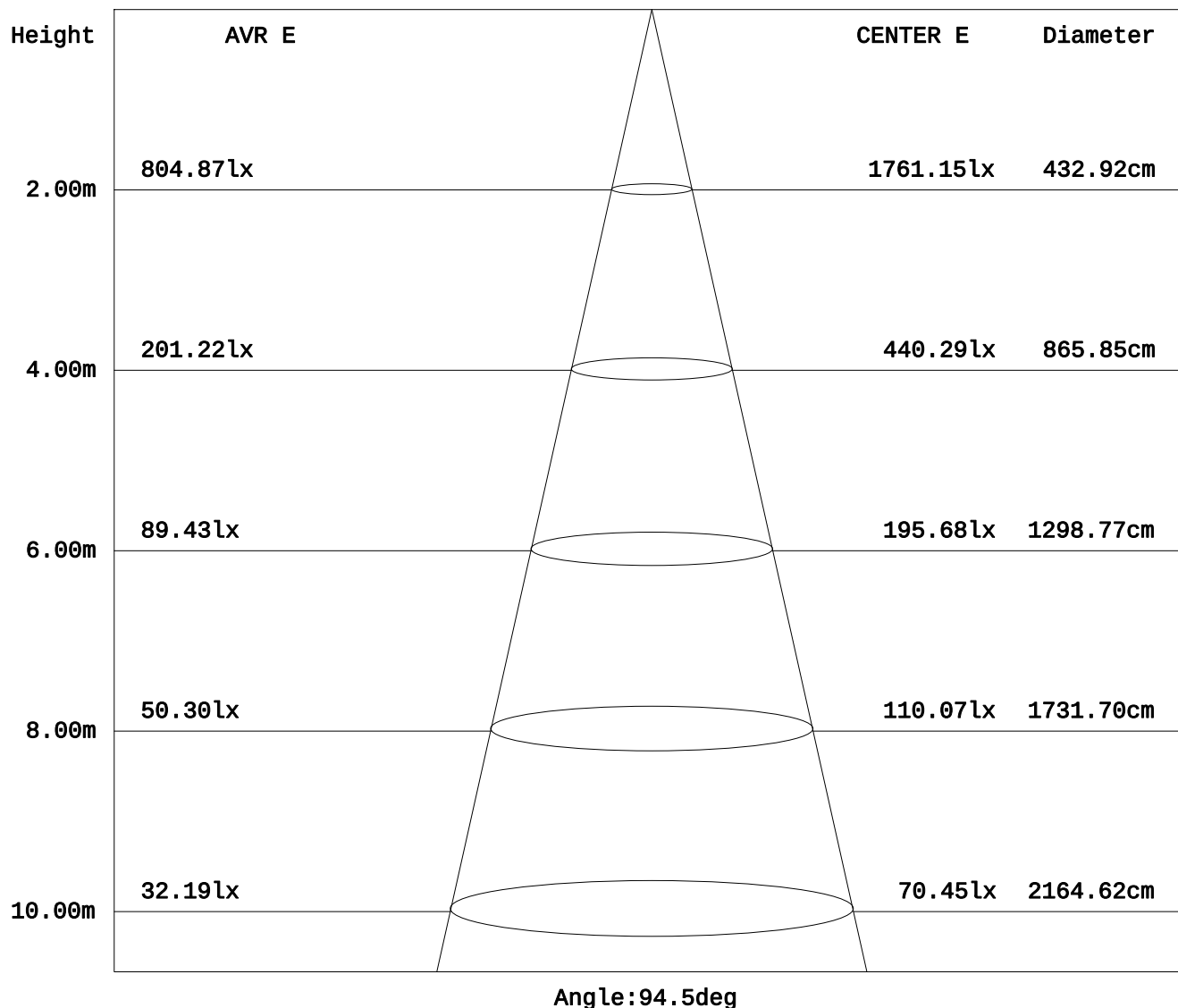
Temperature: 25.3°C
 Operators:
 Test Date: 11-24-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 73Ra 0.3% Flicker 47.1 Temp

AVERAGE AND CENTER E Figure

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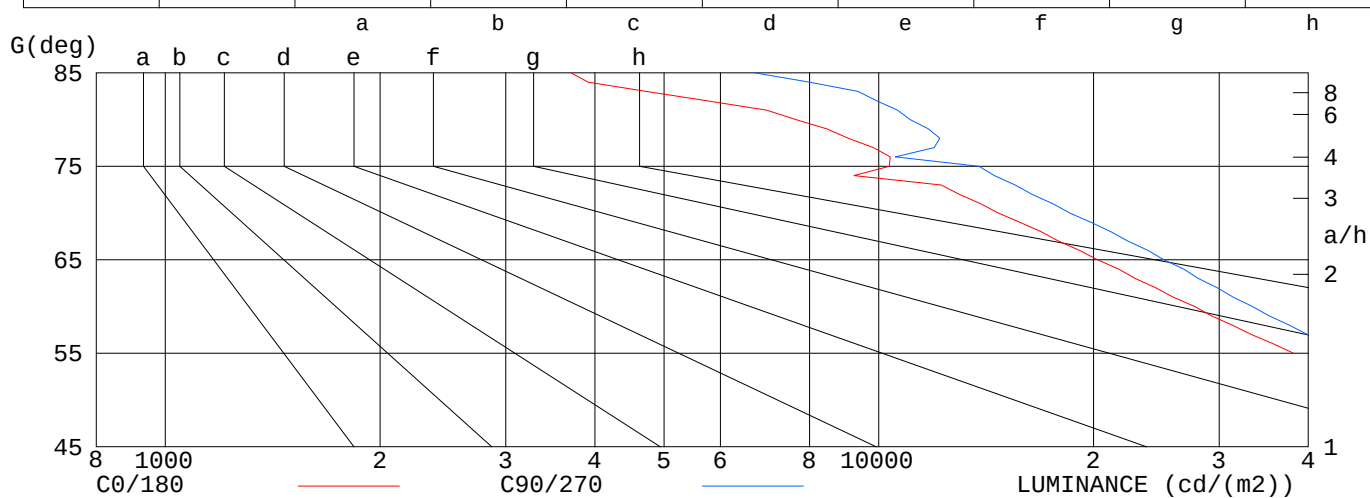
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 80W 5000K 70Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5036	DIMENSION: 264x264x120	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
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



LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	3704	6700
80	7651	11064
75	10344	13820
70	14708	18525
65	20262	25096
60	27720	33405
55	38135	45445
50	55025	64074
45	81203	95249

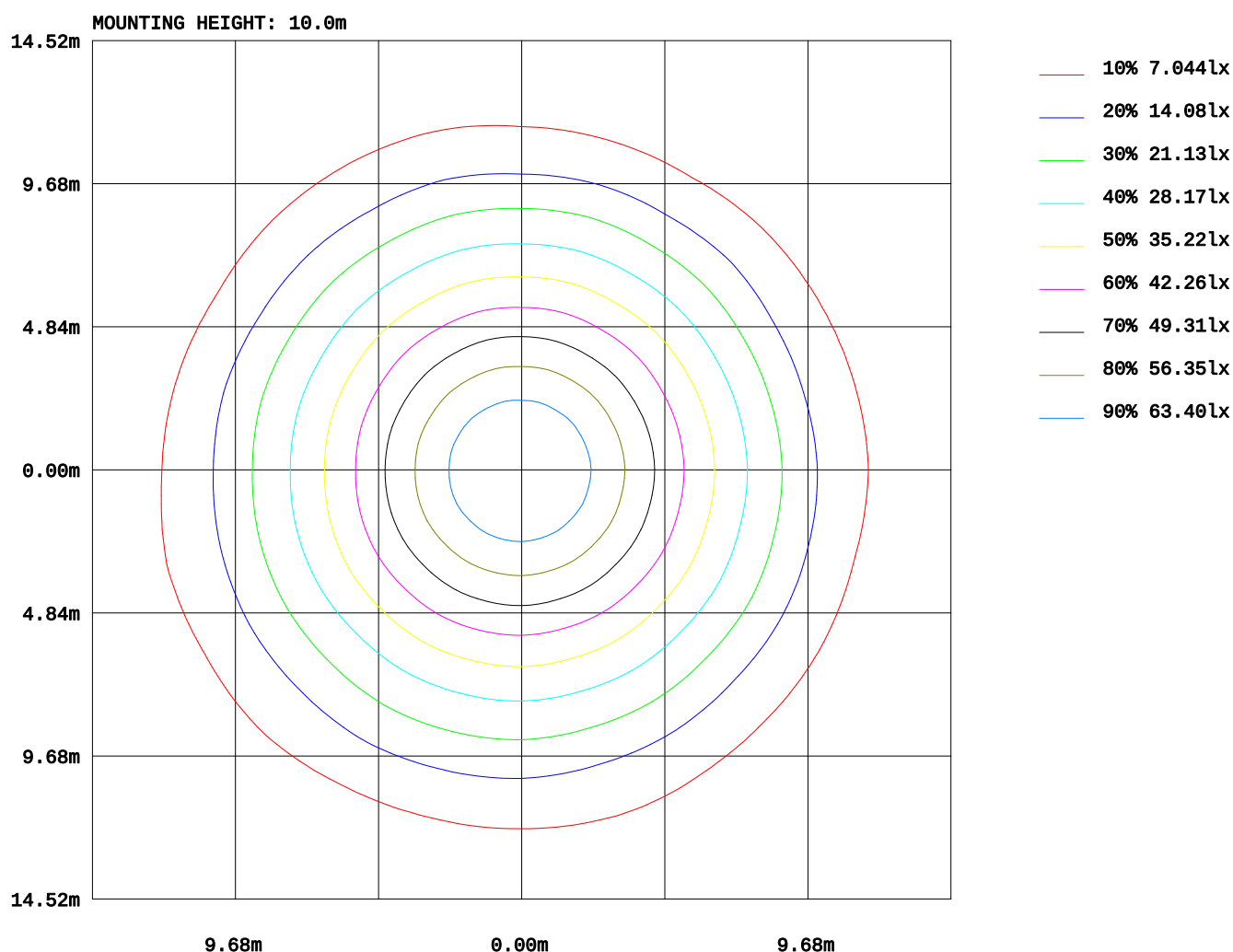
Temperature: 25.3°C
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ISOLUX DIAGRAM

Report number:

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Address:			
NAME: Kolokol 80W 5000K 70Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5036	DIMENSION: 264x264x120	SERIAL No.:



Temperature: 25.3°C
Operators:
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UGR Table

Report number:

MANUFACTURER:				
Address:				
NAME: Kolokol 80W 5000K 70Ra			TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5036	DIMENSION: 264x264x120		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	25.1	26.4	25.4	26.6	26.8	25.7	26.9	25.9	27.2	27.4
3H	25.2	26.4	25.5	26.6	26.9	25.8	27.0	26.1	27.2	27.4
4H	25.2	26.3	25.5	26.6	26.8	25.8	26.9	26.1	27.2	27.4
6H	25.1	26.2	25.5	26.4	26.7	25.8	26.8	26.1	27.1	27.4
8H	25.1	26.1	25.4	26.4	26.7	25.7	26.7	26.1	27.0	27.3
12H	25.0	26.0	25.4	26.3	26.6	25.7	26.6	26.1	26.9	27.3
4H 2H	25.2	26.3	25.5	26.5	26.8	25.6	26.7	26.0	27.0	27.3
3H	25.3	26.3	25.7	26.6	26.9	25.9	26.8	26.2	27.1	27.4
4H	25.3	26.2	25.7	26.5	26.9	25.9	26.7	26.3	27.1	27.4
6H	25.3	26.1	25.7	26.4	26.8	25.9	26.6	26.3	27.0	27.4
8H	25.3	26.0	25.7	26.4	26.8	25.9	26.6	26.3	27.0	27.4
12H	25.2	25.9	25.7	26.3	26.7	25.8	26.5	26.3	26.9	27.3
8H 4H	25.3	26.0	25.7	26.4	26.8	25.8	26.5	26.2	26.9	27.3
6H	25.3	25.9	25.7	26.3	26.7	25.9	26.4	26.3	26.8	27.3
8H	25.3	25.8	25.7	26.2	26.7	25.9	26.4	26.3	26.8	27.3
12H	25.2	25.7	25.7	26.1	26.6	25.8	26.3	26.3	26.7	27.2
12H 4H	25.2	25.9	25.7	26.3	26.7	25.8	26.4	26.2	26.8	27.2
6H	25.3	25.8	25.7	26.2	26.7	25.8	26.3	26.3	26.8	27.2
8H	25.2	25.7	25.7	26.1	26.6	25.8	26.2	26.3	26.7	27.2

Variations with the observer position at spacings:

S = 1.0H	+ 1.7 / - 2.1	+ 1.5 / - 1.7
1.5H	+ 1.1 / - 1.4	+ 1.3 / - 1.6
2.0H	+ 3.2 / - 2.5	+ 3.5 / - 2.8

CIE Pub.117 Corrected 15155 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.4)

Temperature:25.3'C
Operators:
Test Date:11-24-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 73Ra 0.3% Flicker 47.1 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:															
Address:															
NAME: Kolokol 80W 5000K 70Ra								TYPE:				WEIGHT:			
SPECIFICATION:				CCT(K): 5036				DIMENSION: 264x264x120				SERIAL No.:			

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	7045	7044	7043	7043	7043	7042	7039	7041	7038	7040	7038	7039	7045	7044	7043
5.0	7010	7009	7014	7014	7021	7021	7027	7028	7032	7032	7037	7037	7038	7040	7032
10.0	6938	6934	6945	6946	6960	6961	6975	6975	6987	6985	6994	6994	6991	6991	6980
15.0	6827	6821	6838	6839	6860	6863	6884	6886	6901	6900	6914	6911	6900	6904	6883
20.0	6671	6663	6686	6685	6711	6715	6745	6751	6773	6769	6788	6781	6767	6770	6743
25.0	6468	6458	6486	6482	6516	6519	6560	6568	6599	6594	6615	6605	6584	6586	6553
30.0	6210	6199	6235	6228	6270	6274	6327	6337	6379	6370	6397	6381	6342	6350	6305
35.0	5848	5835	5888	5880	5941	5948	6018	6028	6077	6065	6099	6075	6030	6031	5980
40.0	5251	5260	5354	5357	5451	5466	5571	5592	5656	5630	5667	5626	5563	5566	5488
45.0	4002	4045	4179	4198	4390	4481	4694	4766	4880	4838	4864	4797	4634	4645	4435
50.0	2465	2374	2505	2497	2683	3023	2871	2995	3057	3162	3144	3034	3017	2813	2616
55.0	1525	1455	1626	1679	1699	1641	1817	1862	1884	1796	2000	1935	1740	1667	1655
60.0	966	905	1044	1085	1077	1006	1164	1232	1193	1114	1248	1258	1075	1049	1044
65.0	597	544	652	638	660	605	739	728	749	671	768	753	660	647	653
70.0	351	317	378	363	390	359	442	419	454	397	452	431	386	395	376
75.0	187	165	179	184	180	193	249	222	261	215	255	226	201	234	188
80.0	92.5	68.5	104	77.9	117	90.9	134	106	140	104	138	107	94.4	126	84.6
85.0	22.5	8.80	26.3	12.6	32.3	16.4	40.7	19.7	45.2	21.5	45.0	21.9	19.1	37.9	14.1
90.0	13.2	5.10	13.4	5.00	13.7	4.90	14.2	4.90	14.3	4.80	14.4	4.90	5.10	13.7	4.80
95.0	12.9	6.50	12.8	6.40	12.8	6.10	12.8	5.90	12.8	5.80	12.8	5.90	6.20	12.7	6.20
100.0	13.7	8.80	13.5	8.50	13.4	8.20	13.2	7.70	13.0	7.70	13.2	7.80	8.29	13.3	8.40
105.0	15.8	12.0	15.5	11.5	15.2	11.1	14.8	10.5	14.7	10.5	14.5	10.5	11.3	15.0	11.4
110.0	19.1	16.2	18.5	15.5	18.0	15.0	17.7	14.4	17.4	14.2	17.4	14.2	15.2	18.0	15.4
115.0	23.1	20.9	22.5	20.2	22.0	19.6	21.5	18.9	21.1	18.7	21.0	18.7	20.0	22.0	20.1
120.0	27.7	26.1	26.9	25.2	26.3	24.6	25.7	23.8	25.4	23.7	25.2	23.5	25.2	26.4	25.2
125.0	32.7	31.4	31.7	30.4	31.0	29.8	30.5	29.1	30.1	28.7	29.9	28.7	30.5	31.4	30.5
130.0	37.5	36.5	36.5	35.4	35.7	35.0	35.4	34.2	34.7	34.0	34.5	33.8	35.7	36.2	35.7
135.0	42.2	41.2	40.7	39.7	40.0	39.8	40.2	39.0	39.2	38.2	39.0	38.7	40.7	40.9	40.4
140.0	46.3	45.5	45.0	44.2	44.4	44.4	44.6	43.5	43.2	42.7	43.3	43.3	45.2	45.2	44.8
145.0	50.0	49.5	49.0	48.7	48.6	48.7	48.4	47.7	47.5	47.2	47.5	47.7	49.2	49.5	49.2
150.0	53.8	53.6	53.1	52.9	52.7	53.2	52.2	51.7	51.5	51.5	51.7	52.2	53.2	53.6	53.2
155.0	58.0	57.7	57.3	57.4	57.2	58.0	56.5	56.0	55.8	56.0	56.0	57.0	57.4	58.0	57.5
160.0	62.4	62.0	61.2	61.6	61.5	62.5	61.1	60.7	60.1	60.7	60.6	61.6	62.0	62.3	61.9
165.0	66.5	65.5	65.1	65.2	65.4	66.1	65.6	64.6	64.2	64.5	64.8	65.5	66.1	66.0	65.5
170.0	69.7	68.0	67.9	67.7	68.1	68.5	69.3	67.5	67.4	67.5	67.9	68.5	69.5	68.6	68.0
175.0	71.5	69.7	69.7	69.5	69.8	69.9	71.4	69.5	69.5	69.5	69.8	70.0	71.5	70.3	69.5
180.0	72.1	70.5	70.4	70.0	70.5	70.3	72.1	70.5	70.5	70.2	70.5	70.5	72.2	70.7	70.2

Temperature:25.3'C
Operators:
Test Date:11-24-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 73Ra 0.3% Flicker 47.1 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

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Address:			
NAME: Kolokol 80W 5000K 70Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5036	DIMENSION: 264x264x120	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	7043	7043	7042	7039	7041	7038	7040	7038	7039
5.0	7031	7021	7020	7011	7012	7004	7007	7001	7003
10.0	6977	6960	6957	6942	6942	6930	6934	6923	6926
15.0	6883	6856	6855	6827	6833	6812	6823	6803	6812
20.0	6742	6711	6708	6675	6677	6650	6661	6640	6651
25.0	6555	6515	6513	6470	6470	6435	6449	6426	6442
30.0	6316	6262	6267	6204	6210	6155	6182	6145	6177
35.0	5989	5924	5921	5848	5851	5788	5813	5773	5805
40.0	5489	5391	5383	5279	5287	5197	5221	5138	5168
45.0	4440	4222	4248	3988	3987	3830	3956	3755	3797
50.0	2671	2612	2566	2371	2167	2190	2102	2317	2398
55.0	1783	1598	1539	1489	1537	1346	1380	1432	1598
60.0	1151	969	952	922	981	832	857	891	993
65.0	683	587	577	555	584	507	528	543	573
70.0	396	336	342	312	338	308	315	313	327
75.0	179	165	190	147	187	141	184	142	184
80.0	113	68.3	96.6	53.7	86.0	52.4	87.1	51.4	82.5
85.0	28.2	9.80	23.1	7.10	21.1	6.50	20.9	6.60	20.7
90.0	13.5	5.00	13.0	5.20	13.0	5.20	13.0	5.30	13.0
95.0	12.9	6.40	12.7	6.70	12.8	6.80	12.8	6.90	12.9
100.0	13.5	8.70	13.6	9.09	13.7	9.30	13.9	9.40	14.0
105.0	15.2	11.9	15.7	12.6	16.1	12.9	16.2	13.0	16.3
110.0	18.4	16.0	18.9	16.7	19.4	17.2	19.6	17.2	19.7
115.0	22.4	20.8	23.1	21.7	23.7	22.2	24.0	22.3	24.1
120.0	26.9	26.1	27.7	27.2	28.4	27.5	28.6	27.7	28.7
125.0	31.7	31.2	32.7	32.5	33.2	32.7	33.5	32.9	33.7
130.0	36.5	36.2	37.7	37.7	38.2	37.7	38.2	37.7	38.7
135.0	40.7	40.9	42.2	42.5	42.8	42.3	42.2	42.2	43.2
140.0	45.1	45.2	46.2	47.0	47.2	46.7	46.3	46.5	47.4
145.0	49.2	49.5	50.3	50.8	51.0	50.9	50.5	50.8	51.3
150.0	53.2	53.5	53.8	54.5	55.1	55.0	54.4	54.7	55.0
155.0	57.4	57.7	57.9	58.7	59.6	59.2	58.7	58.8	58.8
160.0	61.5	61.7	62.0	62.8	63.8	63.4	62.6	62.9	62.9
165.0	65.1	65.2	65.5	66.5	67.1	66.5	66.0	66.0	66.1
170.0	67.7	67.7	68.0	69.4	69.5	68.6	68.4	68.3	68.5
175.0	69.7	69.4	69.8	71.3	70.7	69.8	69.9	69.8	70.2
180.0	70.4	70.0	70.5	71.8	70.8	70.2	70.5	70.3	70.9

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