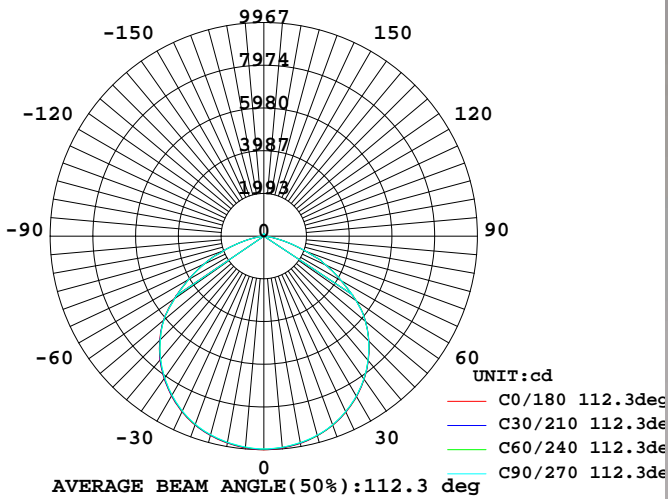


## STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4809	DIMENSION: 275x275x84	SERIAL No.:

MODEL:		I <sub>max</sub> (cd):	9967	Effective Flux(lm):	27598.6
NOMINAL POWER(W):	150	MAXIMUM(C, γ):	0, 0.0	EEL	0.074
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.0
NOMINAL FLUX(lm):	27598.6	η street_up(%):	0.6	Current(A)	0.693
TEST FLUX(lm):	27598.6	η street_down(%):	48.8	Power(W)	149.0
LAMPS QUANTITY:	1	η house_up(%):	0.7	Power Factor	0.976
TOTAL RADIANT(mw):	27598.6	η house_down(%):	49.9	EFFICIENCY(lm/W)	185.2



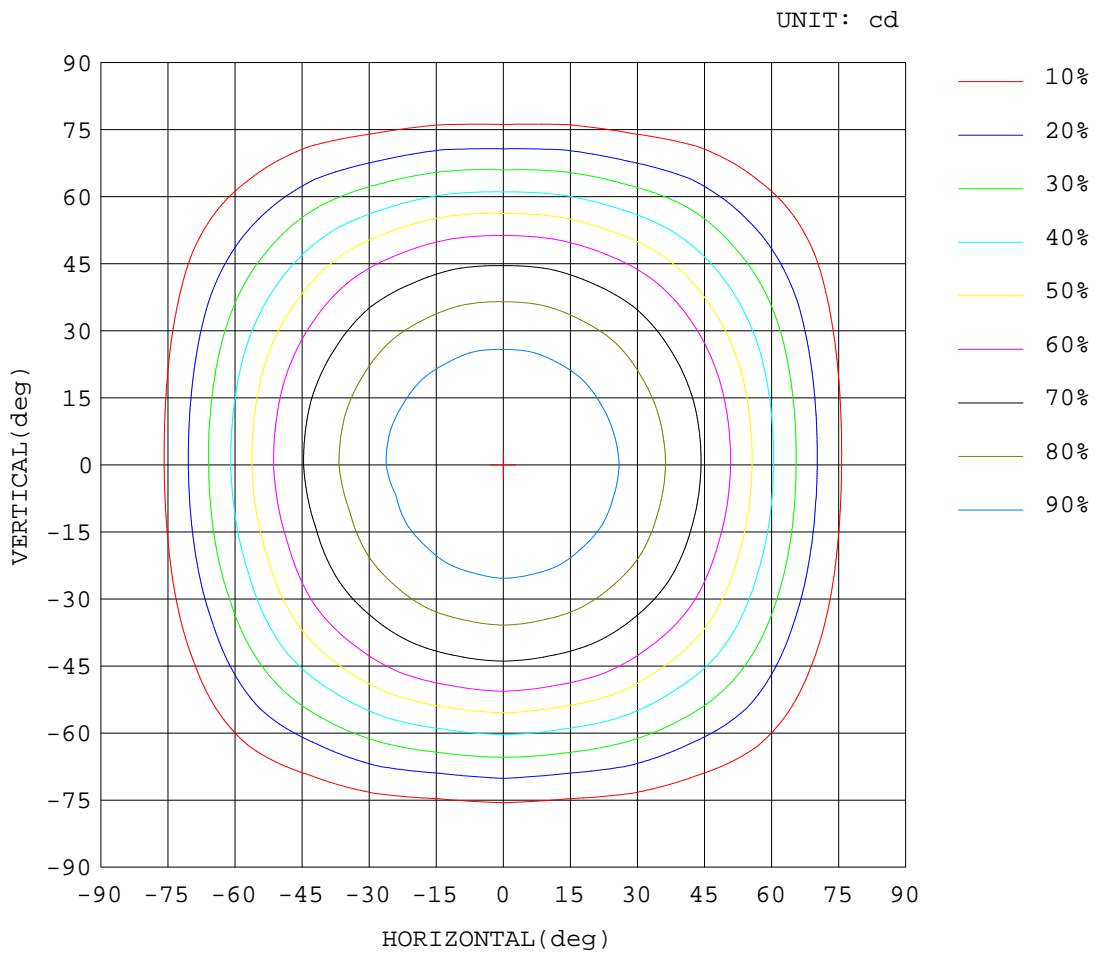
Temperature:25.3'C  
 Operators:  
 Test Date:16-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 70Ra 0.5Flickering Temp 53.7C

### ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4809	DIMENSION: 275x275x84	SERIAL No.:



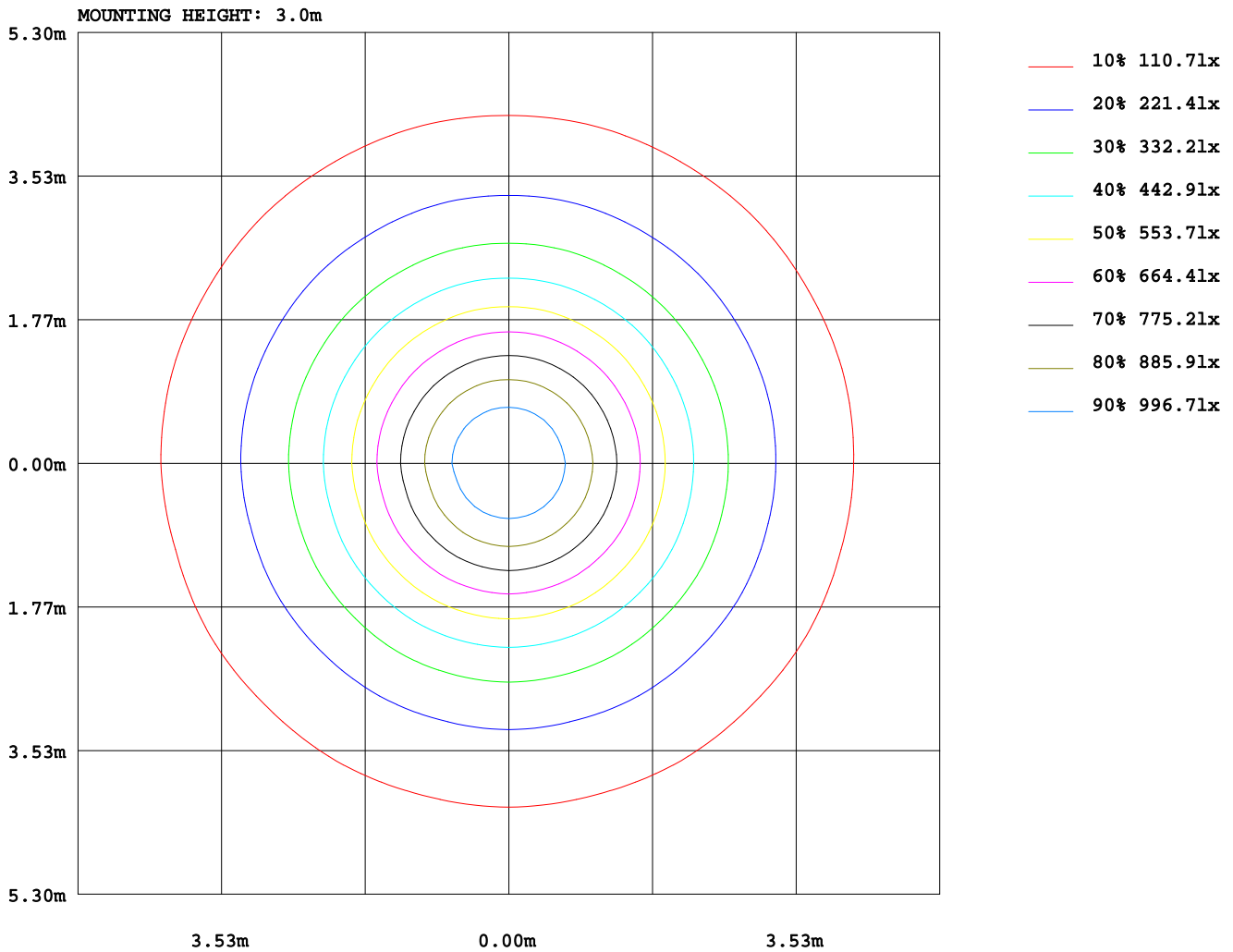
Temperature: 25.3 °C  
 Operators:  
 Test Date: 16-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 70Ra 0.5Flickering Temp 53.7C

### ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4809	DIMENSION: 275x275x84	SERIAL No.:



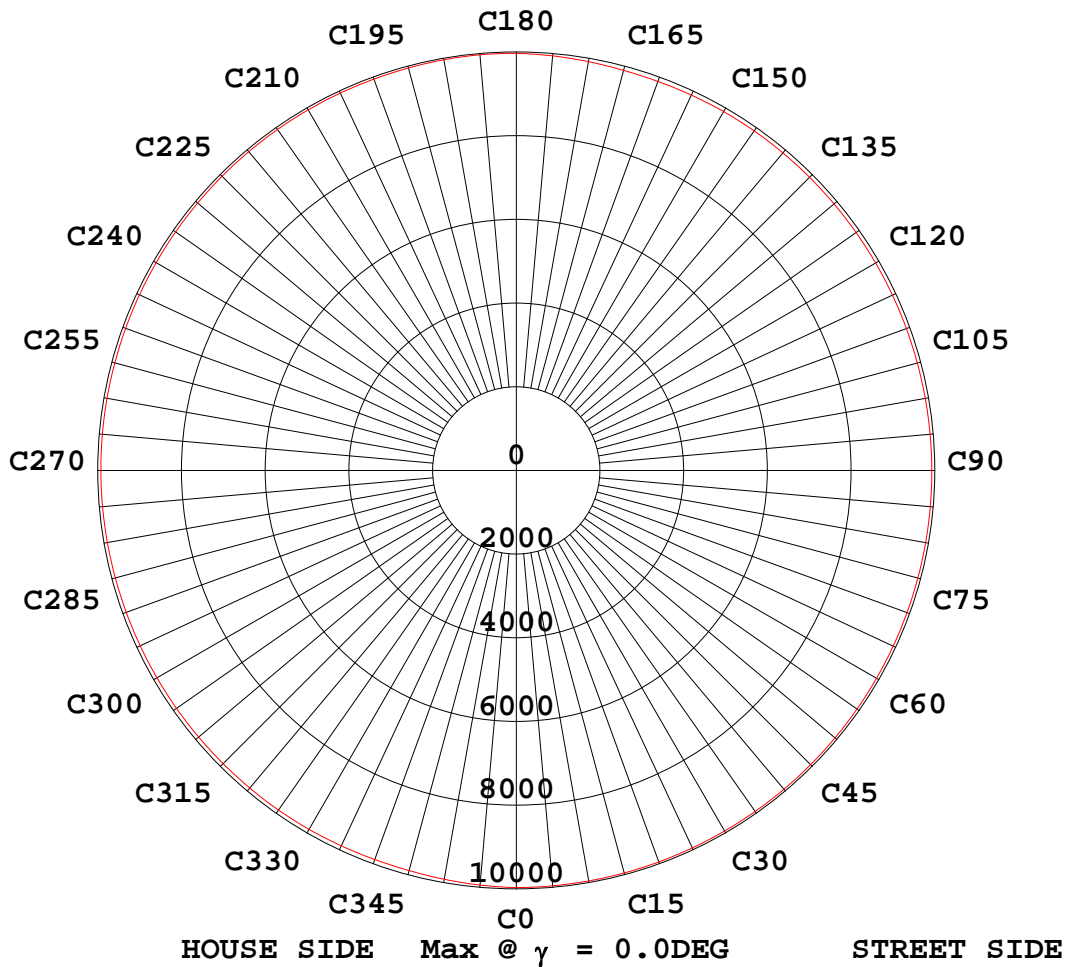
Temperature: 25.3 °C  
 Operators:  
 Test Date: 16-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 70Ra 0.5Flickering Temp 53.7C

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4809	DIMENSION: 275x275x84	SERIAL No.:



Temperature: 25.3 °C  
 Operators:  
 Test Date: 16-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 70Ra 0.5Flickering Temp 53.7C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: Kolokol 275x275x84 150W 5000K ZS 120</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4809</b>	<b>DIMENSION: 275x275x84</b>	<b>SERIAL No.:</b>

UNIT: cd

γ (deg)	C(deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	9967	9958	9950	9944	9936	9933	9927	9920	9914	9909	9905	9899	9967	9958	9950
5.0	9920	9909	9903	9893	9888	9880	9877	9868	9866	9861	9859	9854	9926	9917	9909
10.0	9806	9790	9791	9776	9773	9762	9766	9754	9757	9750	9753	9744	9821	9815	9804
15.0	9633	9612	9619	9601	9604	9586	9592	9578	9589	9570	9573	9556	9640	9644	9633
20.0	9381	9362	9368	9356	9355	9338	9341	9329	9330	9311	9316	9302	9396	9399	9386
25.0	9045	9015	9028	9000	9014	8990	9004	8971	8985	8965	8984	8962	9065	9066	9052
30.0	8618	8585	8602	8561	8579	8551	8569	8542	8563	8540	8563	8541	8648	8665	8635
35.0	8110	8088	8096	8066	8067	8052	8062	8046	8062	8046	8062	8051	8164	8174	8149
40.0	7543	7500	7527	7479	7503	7464	7497	7460	7498	7462	7499	7468	7589	7603	7576
45.0	6878	6823	6863	6806	6841	6789	6837	6789	6835	6793	6841	6802	6927	6961	6920
50.0	6120	6069	6100	6055	6086	6045	6087	6051	6087	6058	6097	6072	6204	6228	6199
55.0	5127	5036	5087	5009	5075	5012	5083	5026	5092	5039	5131	5085	5275	5308	5273
60.0	4080	4013	4070	3991	4044	3991	4062	3991	4049	4002	4084	4022	4164	4241	4180
65.0	3080	3031	3073	3016	3058	3014	3065	3011	3064	3020	3073	3038	3180	3221	3200
70.0	2041	1952	2041	1942	2019	1925	2019	1922	2028	1946	2051	1958	2092	2122	2129
75.0	1116	1034	1097	1033	1091	1027	1095	1026	1096	1023	1098	1033	1138	1238	1164
80.0	408	399	407	396	401	390	406	389	396	399	401	394	420	475	440
85.0	116	69.8	115	69.7	114	67.9	114	66.0	111	66.3	112	65.2	81.1	132	84.5
90.0	26.6	13.0	26.3	13.0	26.0	13.0	25.9	12.9	25.5	12.8	25.6	12.7	13.5	30.4	13.4
95.0	26.0	17.5	25.6	17.5	25.6	17.6	25.7	17.5	25.4	17.2	25.2	17.2	18.5	26.4	18.1
100.0	29.4	23.5	29.1	23.4	29.1	23.5	29.1	23.2	28.9	23.1	28.7	23.0	24.7	30.3	24.4
105.0	34.4	30.1	34.0	30.1	34.0	30.1	34.2	30.0	33.7	29.6	33.7	29.6	32.2	35.7	31.6
110.0	40.5	37.2	39.8	36.8	39.8	37.0	40.2	36.8	39.5	36.3	39.3	36.5	39.7	42.0	38.9
115.0	47.0	44.5	46.0	43.9	45.8	44.2	46.7	44.1	45.5	43.3	45.2	43.7	47.9	48.8	46.3
120.0	53.7	51.7	52.2	50.9	52.2	51.5	53.5	51.3	51.8	50.4	51.5	50.9	55.6	55.6	53.7
125.0	60.7	58.7	58.8	57.5	58.7	58.6	60.2	58.3	58.3	57.2	58.2	57.9	63.0	62.5	61.0
130.0	67.5	66.0	65.3	64.7	65.3	65.9	67.0	65.5	64.9	64.3	64.8	65.3	70.4	69.3	68.3
135.0	74.4	73.0	72.0	71.6	72.0	73.1	73.7	72.5	71.5	71.4	71.6	72.3	77.4	76.2	75.4
140.0	80.9	79.6	78.6	78.5	78.6	80.0	80.2	79.1	78.1	78.3	78.4	79.5	83.7	83.0	81.9
145.0	87.0	86.0	84.7	85.1	85.0	87.0	86.2	85.5	84.4	84.8	84.7	86.4	89.7	89.3	88.2
150.0	92.7	91.9	90.6	91.0	91.2	93.1	91.9	91.2	90.3	90.8	91.0	92.7	95.0	95.4	94.1
155.0	98.0	97.2	95.9	96.5	97.0	98.9	96.9	96.5	95.5	96.3	96.8	98.5	99.8	101	99.4
160.0	103	102	101	102	102	104	102	101	100	101	102	104	105	105	104
165.0	108	107	105	106	106	108	107	105	105	105	106	108	109	109	108
170.0	113	111	110	110	110	111	111	109	109	109	110	111	113	112	111
175.0	116	113	113	113	113	113	115	112	112	112	112	113	117	114	113
180.0	117	115	114	114	114	114	117	114	113	113	114	114	118	115	114

Temperature: 25.3 °C  
 Operators:  
 Test Date: 16-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 70Ra 0.5Flickering Temp 53.7C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: Kolokol 275x275x84 150W 5000K ZS 120</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4809</b>	<b>DIMENSION: 275x275x84</b>	<b>SERIAL No.:</b>

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	9944	9936	9933	9927	9920	9914	9909	9905	9899
5.0	9904	9895	9894	9887	9883	9876	9873	9866	9862
10.0	9801	9790	9791	9781	9779	9768	9764	9754	9751
15.0	9644	9629	9634	9615	9620	9603	9605	9588	9590
20.0	9391	9379	9383	9368	9372	9363	9368	9355	9353
25.0	9053	9040	9049	9034	9039	9029	9029	9013	9017
30.0	8648	8623	8647	8616	8636	8603	8616	8586	8602
35.0	8160	8141	8159	8136	8147	8118	8127	8099	8112
40.0	7594	7572	7594	7565	7579	7547	7560	7529	7544
45.0	6959	6916	6957	6911	6946	6896	6924	6876	6906
50.0	6224	6194	6220	6191	6208	6176	6192	6158	6167
55.0	5306	5283	5299	5265	5265	5225	5233	5172	5185
60.0	4255	4184	4259	4188	4234	4152	4206	4136	4166
65.0	3244	3209	3246	3195	3232	3185	3221	3161	3178
70.0	2111	2144	2131	2147	2124	2124	2127	2097	2134
75.0	1255	1184	1258	1185	1268	1181	1260	1163	1233
80.0	489	445	502	466	506	454	493	446	478
85.0	135	87.9	139	92.7	141	89.7	137	87.6	135
90.0	31.7	13.3	32.6	13.4	33.2	13.2	33.3	13.3	31.7
95.0	26.6	18.0	26.8	18.0	26.4	18.0	26.6	18.1	26.6
100.0	30.3	24.4	30.3	24.5	30.3	24.5	30.3	24.5	30.4
105.0	35.5	31.5	35.6	31.7	35.7	31.5	35.6	31.6	35.7
110.0	41.7	38.8	41.9	39.3	41.9	38.9	41.8	38.9	42.0
115.0	48.2	46.2	48.6	47.2	48.7	46.2	48.4	46.3	48.8
120.0	54.9	53.7	55.4	55.0	55.5	53.7	55.0	53.7	55.5
125.0	61.5	60.7	62.4	62.4	62.4	60.9	61.5	60.9	62.5
130.0	68.0	67.9	69.0	69.7	69.0	68.1	68.0	68.0	69.0
135.0	74.6	74.9	75.7	76.7	76.0	75.3	74.9	75.0	75.7
140.0	81.3	81.4	82.0	83.0	82.7	81.8	81.4	81.5	82.0
145.0	87.4	87.5	87.8	89.0	89.0	88.0	87.5	87.6	87.9
150.0	93.0	93.0	93.3	94.3	95.0	94.0	93.0	93.1	93.3
155.0	98.1	98.0	98.0	98.9	101	99.1	98.2	98.0	98.1
160.0	103	103	102	104	105	104	103	102	102
165.0	107	106	106	108	109	108	106	106	106
170.0	110	110	110	112	112	111	110	110	110
175.0	113	113	113	115	114	112	112	112	112
180.0	114	114	114	116	114	113	114	113	114

Temperature: 25.3 °C  
 Operators:  
 Test Date: 16-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 70Ra 0.5Flickering Temp 53.7C