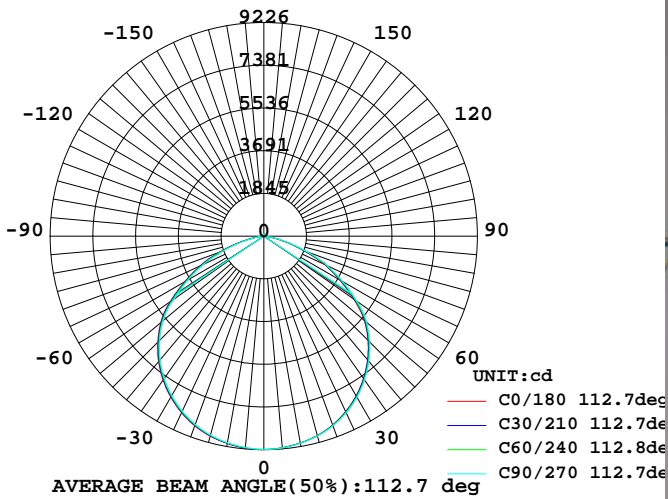


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5009	DIMENSION: 275x275x84	SERIAL No.:

MODEL:		Imax(cd):	9226	Effictive Flux(lm):	25735.3
NOMINAL POWER(W):	150	MAXIMUM(C, γ):	0, 1.0	EEL	0.080
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.0
NOMINAL FLUX(lm):	25735.3	η street_up(%):	0.6	Current(A)	0.700
TEST FLUX(lm):	25735.3	η street_down(%):	48.8	Power(W)	150.1
LAMPS QUANTITY:	1	η house_up(%):	0.6	Power Factor	0.975
TOTAL RADIANT(mw):	25735.3	η house_down(%):	50.0	EEFFICIENCY(lm/W)	171.3



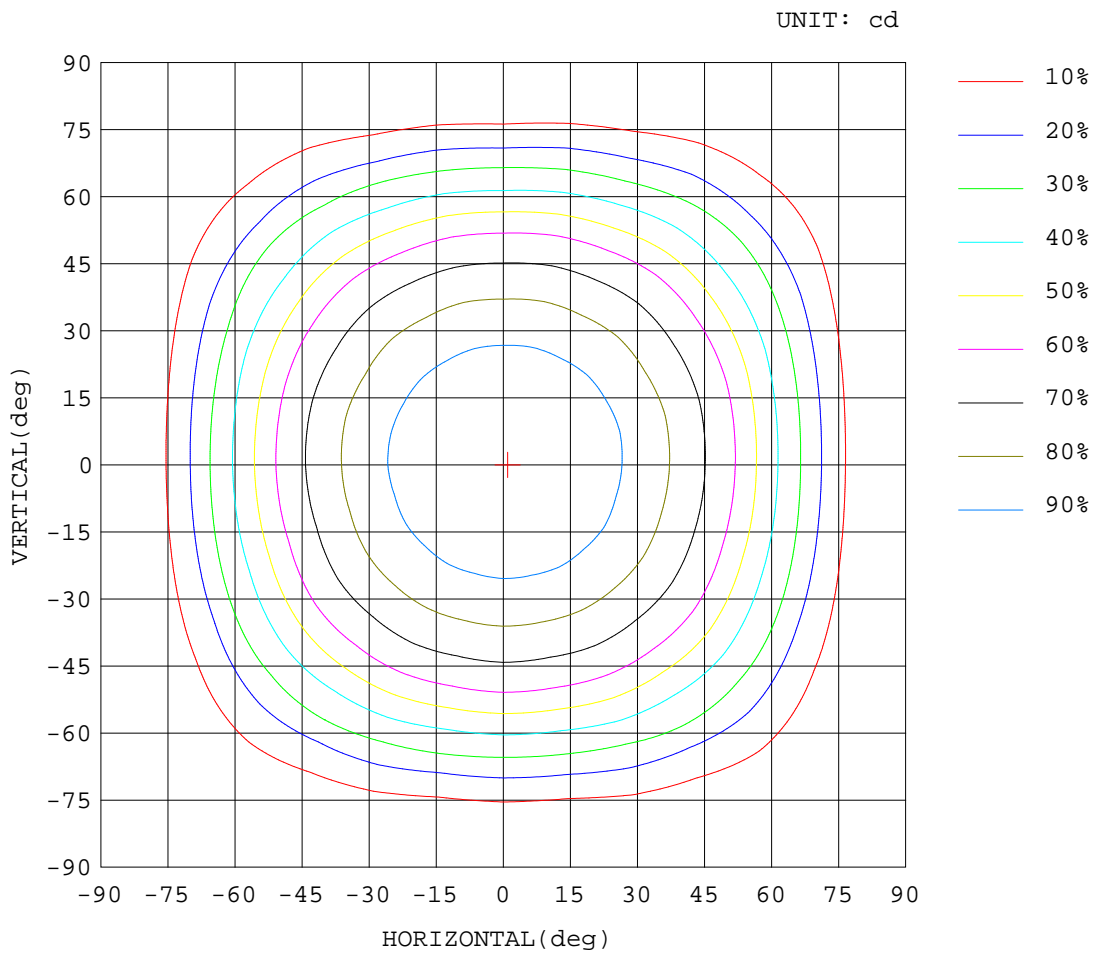
Temperature:25.3'C
 Operators:
 Test Date:23-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 82Ra 0.5Flickering Temp 53.4C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5009	DIMENSION: 275x275x84	SERIAL No.:



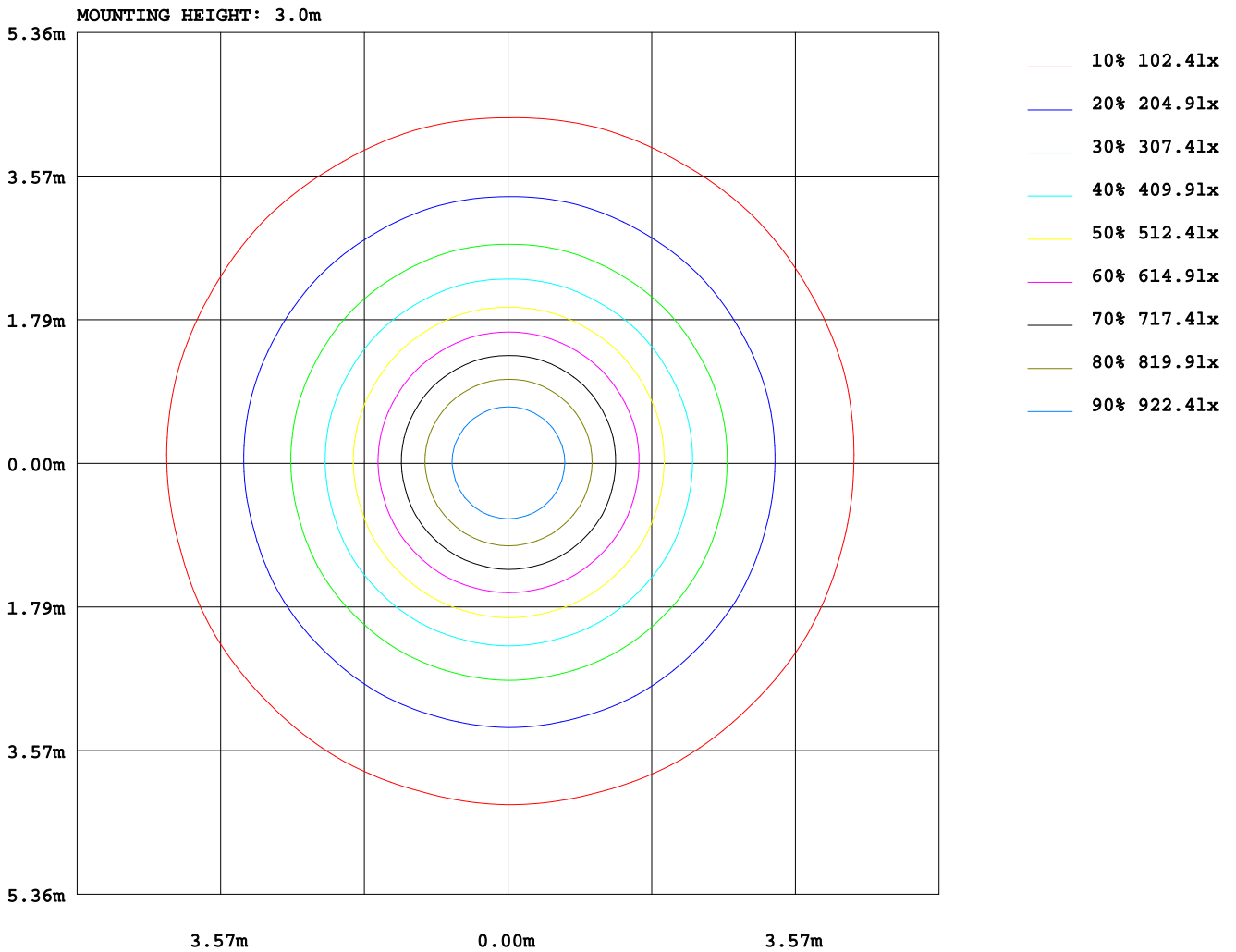
Temperature: 25.3 'C
 Operators:
 Test Date: 23-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 0.5Flickering Temp 53.4C

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5009	DIMENSION: 275x275x84	SERIAL No.:



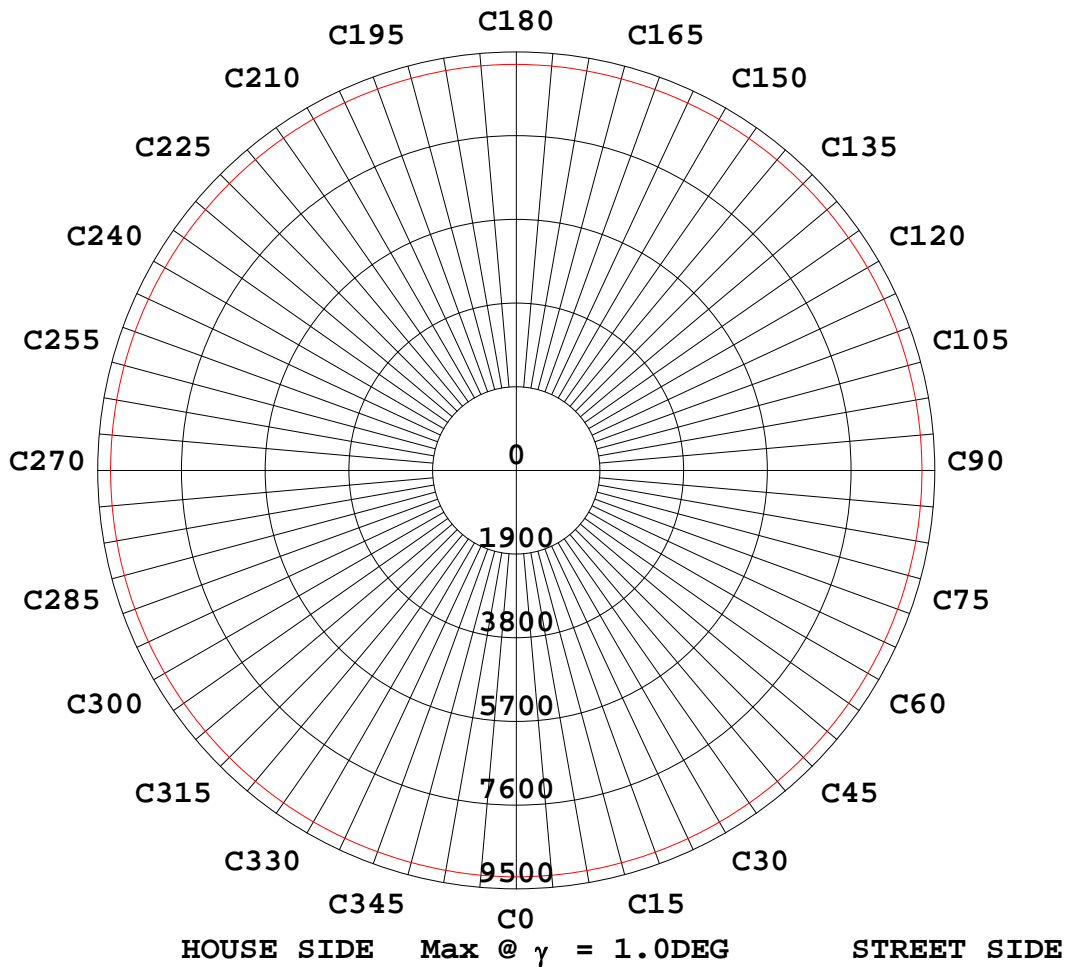
Temperature: 25.3 °C
 Operators:
 Test Date: 23-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 0.5Flickering Temp 53.4C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5009	DIMENSION: 275x275x84	SERIAL No.:



Temperature: 25.3 °C
 Operators:
 Test Date: 23-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 0.5Flickering Temp 53.4C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5009	DIMENSION: 275x275x84	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	9225	9220	9218	9216	9213	9212	9210	9208	9210	9210	9210	9212	9225	9220	9218
5.0	9192	9183	9185	9177	9174	9165	9163	9157	9162	9157	9160	9156	9177	9179	9175
10.0	9094	9086	9085	9073	9070	9061	9060	9053	9058	9052	9056	9052	9073	9077	9073
15.0	8945	8927	8925	8906	8905	8893	8896	8885	8889	8880	8887	8884	8919	8928	8924
20.0	8724	8697	8701	8672	8678	8652	8655	8630	8642	8625	8643	8635	8680	8703	8693
25.0	8410	8390	8393	8370	8364	8338	8333	8309	8319	8306	8322	8317	8361	8380	8371
30.0	8034	8007	8010	7985	7978	7947	7944	7917	7925	7909	7929	7917	7972	7987	7984
35.0	7596	7554	7566	7526	7530	7484	7494	7450	7471	7440	7469	7443	7506	7541	7520
40.0	7075	7039	7041	7003	7001	6957	6961	6920	6934	6905	6928	6909	6967	7013	6986
45.0	6477	6434	6442	6390	6396	6342	6350	6302	6318	6280	6308	6282	6365	6401	6390
50.0	5822	5752	5786	5707	5729	5654	5679	5602	5634	5573	5624	5572	5664	5725	5698
55.0	4934	4876	4889	4808	4817	4738	4740	4670	4686	4634	4659	4630	4732	4807	4781
60.0	3951	3892	3900	3834	3841	3755	3762	3689	3725	3663	3701	3671	3797	3849	3822
65.0	3047	2962	3000	2923	2919	2889	2854	2891	2812	2883	2797	2886	2899	2933	2924
70.0	2073	1972	2014	1916	1944	1832	1851	1761	1820	1732	1794	1748	1845	1953	1881
75.0	1169	1083	1124	1021	1055	948	985	895	950	874	944	885	988	1066	1030
80.0	470	408	433	392	395	398	351	252	330	243	330	254	386	409	384
85.0	126	70.5	112	60.9	99.9	53.6	89.0	51.0	84.8	51.0	86.0	53.2	63.5	110	68.1
90.0	29.4	11.5	26.4	11.7	24.6	11.9	23.7	12.0	23.5	12.1	23.4	12.1	12.4	25.4	12.0
95.0	23.7	15.4	23.6	15.6	23.7	15.9	23.8	16.2	24.0	16.3	23.9	16.2	16.6	24.4	16.2
100.0	26.3	20.2	26.4	20.6	26.6	20.9	26.8	21.1	26.9	21.2	27.0	21.2	22.1	27.4	21.5
105.0	30.4	26.0	30.5	26.1	30.7	26.6	31.0	26.9	31.0	26.9	31.0	27.0	27.9	31.7	27.2
110.0	35.2	31.9	35.1	32.0	35.2	32.6	36.0	32.7	35.7	32.7	35.7	32.9	34.2	36.7	33.2
115.0	40.5	37.7	40.2	37.7	40.4	38.5	41.4	38.7	40.9	38.5	40.9	38.8	40.5	42.0	39.2
120.0	46.0	43.7	45.4	43.5	45.6	44.5	46.9	44.7	46.2	44.2	46.2	44.8	46.9	47.7	45.2
125.0	51.5	49.7	50.7	49.3	51.0	50.5	52.3	50.5	51.4	50.0	51.4	50.8	53.1	53.2	51.3
130.0	57.2	55.5	56.0	55.0	56.5	56.4	58.0	56.4	56.8	55.9	57.0	56.6	58.9	58.7	57.0
135.0	62.8	61.4	61.5	61.0	62.0	62.5	63.5	62.1	62.3	61.6	62.5	62.5	64.7	64.4	63.0
140.0	68.0	67.0	66.7	66.6	67.4	68.3	68.6	67.6	67.5	67.2	67.7	68.3	70.0	69.7	68.5
145.0	73.0	72.0	71.9	72.0	72.5	73.7	73.7	72.7	72.5	72.5	72.8	73.6	74.8	74.9	73.5
150.0	77.6	76.9	76.5	76.9	77.5	79.0	78.1	77.5	77.1	77.2	77.7	78.8	79.0	79.6	78.3
155.0	81.8	81.1	80.8	81.3	82.0	83.6	82.3	81.5	81.1	81.5	82.2	83.5	83.0	84.0	82.7
160.0	86.0	84.8	84.6	85.0	86.0	87.4	86.0	85.1	84.8	85.2	86.1	87.3	86.6	87.8	86.2
165.0	89.9	88.4	88.0	88.5	89.4	90.5	89.8	88.5	88.2	88.5	89.4	90.5	90.4	90.9	89.4
170.0	93.5	91.5	91.1	91.3	92.1	93.0	93.3	91.5	91.2	91.3	92.1	93.0	93.8	93.3	92.0
175.0	96.2	93.5	93.6	93.5	94.1	94.4	96.1	93.5	93.6	93.5	94.0	94.5	96.2	94.8	93.5
180.0	97.0	94.8	94.8	94.3	94.9	94.8	97.0	94.5	94.7	94.4	94.9	94.9	97.0	95.2	94.4

Temperature: 25.3 °C
 Operators:
 Test Date: 23-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 0.5Flickering Temp 53.4C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 275x275x84 150W 5000K ZS 120 80Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5009	DIMENSION: 275x275x84	SERIAL No.:

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	9216	9213	9212	9210	9208	9210	9210	9210	9212
5.0	9179	9177	9185	9183	9184	9185	9190	9184	9189
10.0	9082	9077	9089	9084	9089	9087	9094	9087	9095
15.0	8933	8931	8940	8938	8945	8945	8953	8945	8951
20.0	8714	8703	8725	8720	8746	8741	8754	8735	8742
25.0	8402	8393	8425	8424	8449	8438	8463	8439	8445
30.0	8014	8018	8045	8048	8063	8062	8079	8067	8072
35.0	7570	7558	7604	7586	7626	7610	7644	7615	7641
40.0	7043	7026	7085	7060	7114	7091	7133	7095	7131
45.0	6437	6434	6483	6477	6522	6510	6543	6516	6540
50.0	5765	5749	5819	5803	5869	5842	5893	5848	5889
55.0	4868	4844	4948	4926	5013	4971	5043	4994	5046
60.0	3896	3894	3960	3947	4015	4013	4057	4019	4053
65.0	2987	2961	3053	3018	3113	3071	3158	3092	3149
70.0	2001	1956	2068	2016	2116	2088	2140	2111	2141
75.0	1114	1079	1168	1132	1226	1188	1270	1211	1270
80.0	434	404	466	423	502	461	539	478	542
85.0	119	75.4	131	84.0	141	91.1	146	92.7	148
90.0	26.9	11.8	30.5	11.8	36.3	13.3	39.5	14.2	38.1
95.0	24.2	16.0	24.0	15.6	24.0	15.4	24.0	15.2	24.0
100.0	27.1	21.1	26.9	20.8	26.6	20.6	26.6	20.5	26.6
105.0	31.4	26.8	31.0	26.6	30.8	26.1	30.7	26.1	30.8
110.0	36.2	32.9	36.0	33.0	35.7	32.3	35.6	32.3	35.7
115.0	41.5	38.8	41.4	39.2	41.1	38.2	40.7	38.2	41.2
120.0	46.9	44.9	47.0	45.5	46.7	44.2	46.2	44.4	46.7
125.0	52.1	50.8	52.3	51.7	52.2	50.4	51.4	50.3	52.2
130.0	57.5	56.5	57.9	57.5	57.7	56.3	56.9	56.0	57.7
135.0	63.0	62.4	63.4	63.4	63.4	62.0	62.4	62.0	63.3
140.0	68.1	67.9	68.5	68.8	68.8	67.7	67.6	67.5	68.5
145.0	73.1	72.8	73.4	73.6	74.1	72.8	72.7	72.5	73.5
150.0	77.9	77.5	77.9	78.1	79.1	77.8	77.4	77.3	78.0
155.0	82.0	81.5	81.8	82.2	83.6	82.2	81.5	81.5	82.0
160.0	85.5	85.0	85.3	86.1	87.4	86.0	85.3	85.0	85.6
165.0	88.8	88.3	88.5	90.0	90.5	89.0	88.5	88.4	88.9
170.0	91.5	91.2	91.5	93.4	93.0	91.7	91.3	91.3	91.6
175.0	93.8	93.5	93.8	95.8	94.5	93.5	93.8	93.5	94.0
180.0	94.8	94.5	95.2	96.5	95.0	94.3	94.9	94.5	95.3

Temperature: 25.3 °C
 Operators:
 Test Date: 23-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 82Ra 0.5Flickering Temp 53.4C