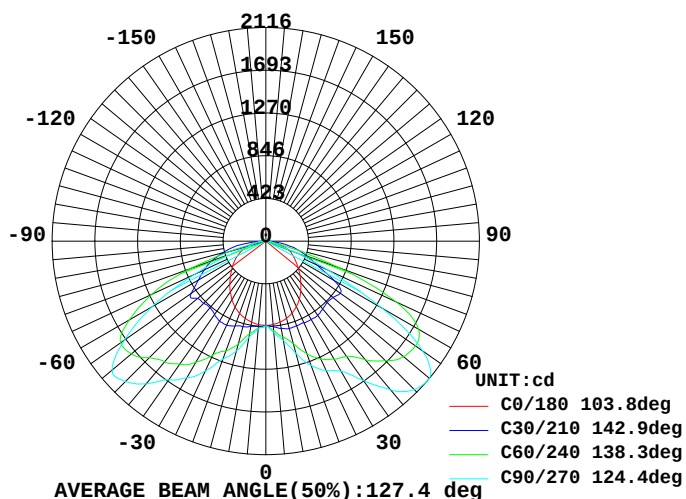


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 3000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2953	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2116	Effective Flux(lm):	5001.4
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	270, 50.0	EEI	0.111
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	5001.4	η street_up(%):	0.7	Current(A)	0.192
TEST FLUX(lm):	5001.4	η street_down(%):	48.7	Power(W)	40.75
LAMPS QUANTITY:	1	η house_up(%):	0.7	Power Factor	0.962
TOTAL RADIANT(mw):	5001.4	η house_down(%):	49.8	EEFICIENCY(lm/W)	122.7



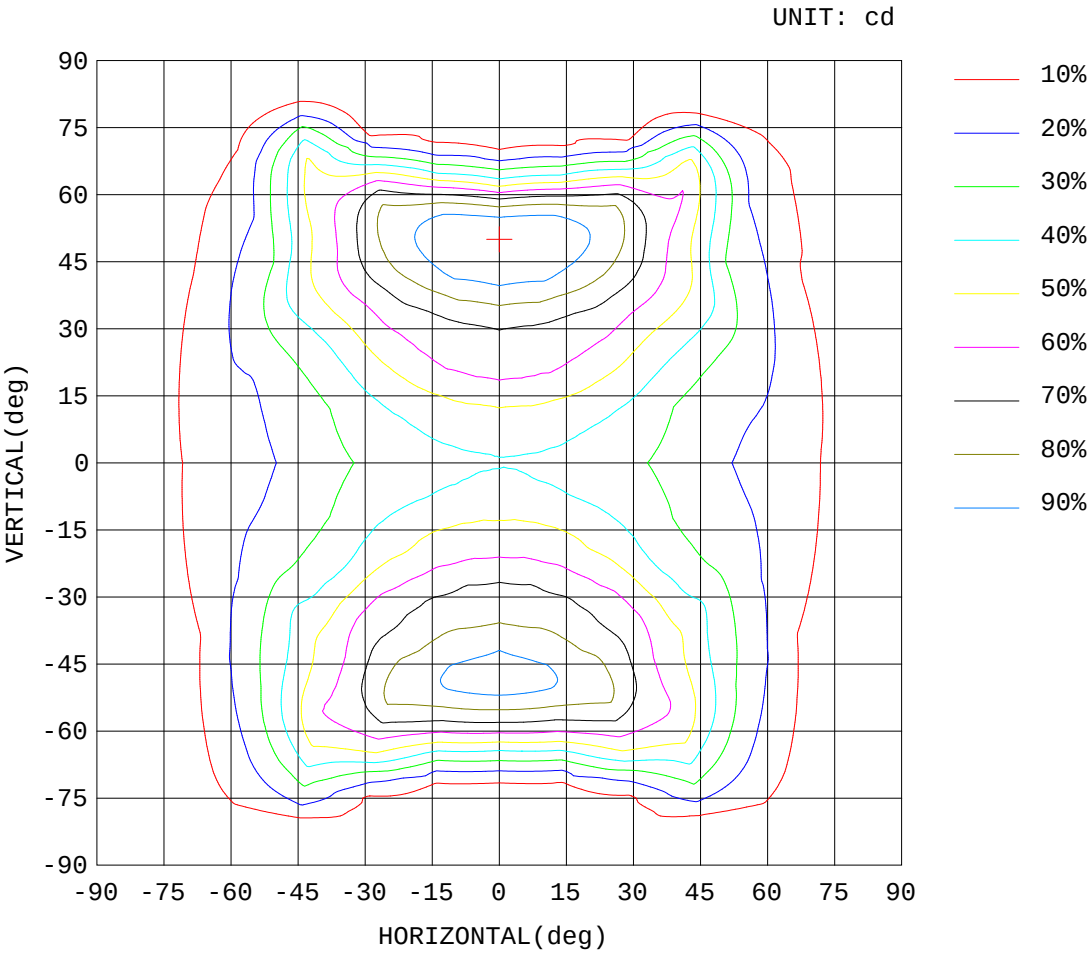
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 1.2% Flicker 39.1 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 3000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2953	DIMENSION: 525x112	SERIAL No.:



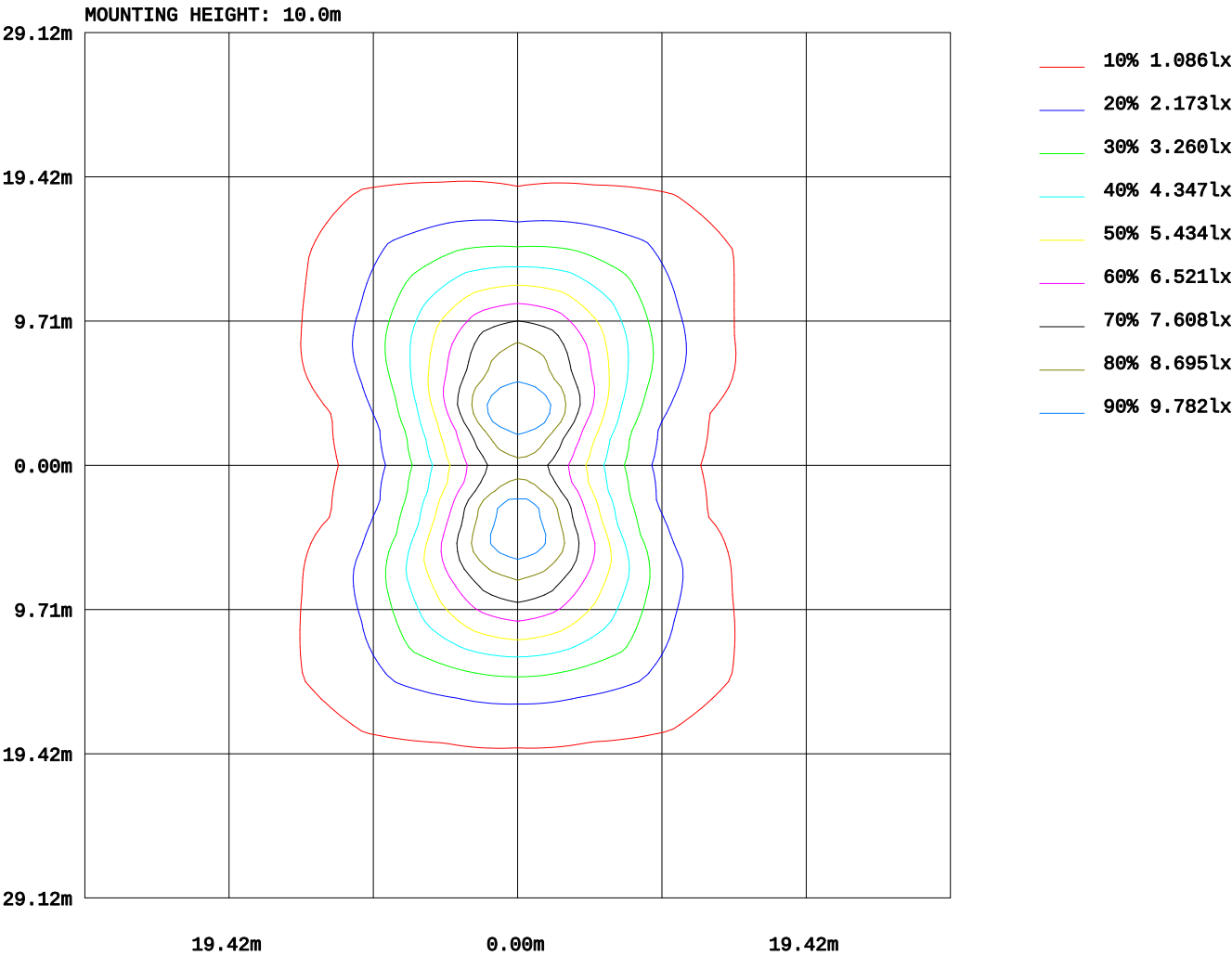
Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 1.2% Flicker 39.1 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 3000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2953	DIMENSION: 525x112	SERIAL No.:



Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 1.2% Flicker 39.1 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 3000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2953	DIMENSION: 525x112	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	833	834	836	838	841	839	842	841	842	840	839	837	833	834	836
5.0	830	845	848	858	866	874	872	872	862	855	852	835	829	833	849
10.0	815	831	857	902	931	963	966	961	926	896	852	833	815	832	878
15.0	792	810	878	962	1053	1115	1125	1113	1044	955	871	807	792	826	896
20.0	761	785	895	1042	1159	1221	1244	1218	1153	1040	891	781	760	807	892
25.0	721	761	917	1089	1247	1385	1420	1380	1233	1086	909	756	716	784	891
30.0	672	725	916	1130	1384	1528	1561	1526	1375	1116	910	723	664	746	896
35.0	615	689	886	1218	1488	1634	1679	1632	1484	1209	880	681	604	691	898
40.0	555	640	862	1298	1561	1760	1846	1755	1557	1294	851	628	540	626	877
45.0	498	572	872	1347	1630	1886	1964	1885	1617	1340	855	562	480	564	859
50.0	443	514	885	1312	1739	1933	1987	1937	1730	1312	869	500	421	499	868
55.0	393	490	903	1257	1757	1715	1707	1727	1758	1253	908	470	369	448	901
60.0	345	451	772	1254	1564	1354	1310	1368	1586	1252	785	443	322	442	787
65.0	292	369	674	1247	1245	854	775	869	1277	1263	687	374	281	410	561
70.0	239	244	569	1054	804	373	335	385	832	1088	576	248	221	312	437
75.0	176	158	437	760	305	121	149	124	328	790	438	162	150	194	322
80.0	98.0	82.0	315	414	111	75.9	103	77.0	116	449	315	86.6	76.2	115	206
85.0	39.0	29.6	141	60.5	54.5	37.0	63.2	37.5	56.1	72.5	148	32.3	23.1	52.2	73.0
90.0	10.1	3.40	16.3	4.80	14.5	4.50	12.9	4.60	14.9	4.90	18.1	3.50	3.30	12.3	4.10
95.0	8.80	4.10	12.8	5.80	13.5	6.10	12.2	6.10	13.6	6.00	12.9	4.10	3.90	9.80	4.90
100.0	8.60	4.80	12.1	7.00	13.7	7.80	12.9	7.80	13.7	7.10	12.3	4.90	4.60	9.50	5.80
105.0	8.60	5.50	11.8	7.90	14.2	9.60	13.9	9.50	14.2	8.00	12.0	5.60	5.30	9.60	6.60
110.0	8.70	6.30	11.9	8.80	14.7	11.2	15.2	11.1	14.7	8.90	12.0	6.40	6.10	9.80	7.40
115.0	9.00	7.10	12.1	9.60	15.0	12.3	16.3	12.3	15.0	9.60	12.1	7.00	6.80	10.0	8.20
120.0	9.40	7.90	12.4	10.3	15.2	13.0	16.9	13.0	15.2	10.3	12.3	7.70	7.70	10.3	8.80
125.0	9.90	8.60	12.8	11.1	15.4	13.5	17.1	13.5	15.5	10.9	12.6	8.50	8.40	10.7	9.50
130.0	10.4	9.30	13.2	11.8	15.7	13.9	17.1	13.9	15.6	11.5	12.9	9.20	9.20	11.2	10.2
135.0	10.9	9.90	13.6	12.5	16.0	14.3	17.1	14.1	15.6	12.1	13.2	9.80	9.90	11.5	10.7
140.0	11.4	10.5	13.7	13.0	16.4	14.8	17.1	14.3	15.7	12.6	13.4	10.4	10.5	11.9	11.1
145.0	11.8	11.0	14.0	13.4	16.5	15.2	17.2	14.5	15.8	12.9	13.5	11.0	11.2	12.3	11.5
150.0	12.2	11.4	14.0	13.5	16.5	15.4	17.2	14.7	15.8	12.9	13.6	11.5	11.7	12.7	11.8
155.0	12.5	11.8	14.1	13.4	16.2	15.0	16.7	14.4	15.5	13.0	13.7	11.9	12.1	13.0	12.0
160.0	12.8	12.1	14.0	13.3	15.7	14.5	16.1	14.0	15.0	13.0	13.7	12.3	12.5	13.2	12.2
165.0	13.2	12.4	14.0	13.2	15.2	14.1	15.5	13.6	14.7	13.0	13.7	12.6	13.0	13.4	12.5
170.0	13.5	12.6	14.0	13.2	14.9	13.7	15.0	13.4	14.4	13.0	13.9	12.9	13.4	13.6	12.6
175.0	13.7	12.8	13.9	13.0	14.5	13.4	14.7	13.3	14.3	13.2	14.0	13.0	13.7	13.6	12.8
180.0	13.7	13.0	13.7	13.2	14.2	13.6	14.5	13.6	14.3	13.6	14.0	13.4	14.0	13.6	13.0

Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 1.2% Flicker 39.1 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 3000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2953	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	838	841	839	842	841	842	840	839	837
5.0	870	892	898	906	901	898	883	863	838
10.0	926	960	979	997	983	968	936	890	846
15.0	963	1052	1113	1151	1123	1067	977	909	841
20.0	1028	1187	1273	1310	1279	1203	1058	906	822
25.0	1112	1287	1380	1412	1389	1307	1144	920	795
30.0	1166	1350	1445	1486	1453	1368	1198	935	753
35.0	1203	1394	1585	1684	1606	1415	1238	941	699
40.0	1230	1534	1810	1923	1830	1573	1261	925	642
45.0	1262	1676	1994	2080	2014	1717	1311	920	590
50.0	1334	1782	2063	2116	2082	1818	1373	940	534
55.0	1301	1810	1990	1897	1984	1854	1337	951	495
60.0	1213	1747	1598	1331	1553	1757	1285	778	498
65.0	1199	1430	907	690	858	1333	1290	584	436
70.0	1166	782	372	216	340	655	1246	478	307
75.0	1030	228	131	90.9	125	175	972	374	193
80.0	570	62.0	78.5	59.5	77.6	57.5	393	296	117
85.0	151	26.8	46.7	32.6	47.0	25.4	102	101	52.2
90.0	20.5	5.00	14.5	4.20	14.0	5.10	17.7	4.40	11.7
95.0	15.0	6.20	12.4	5.60	12.4	6.30	14.7	5.20	9.90
100.0	14.2	7.70	13.0	7.50	13.0	7.70	14.1	6.10	9.70
105.0	14.0	9.00	13.9	9.40	13.9	9.09	13.9	6.90	9.60
110.0	13.9	10.2	14.9	11.1	14.9	10.3	13.9	7.70	9.90
115.0	14.0	11.1	15.7	12.5	15.7	11.1	14.0	8.50	10.2
120.0	14.1	11.8	16.1	13.5	16.2	11.8	14.1	9.30	10.5
125.0	14.2	12.3	16.4	14.0	16.3	12.3	14.4	10.1	11.0
130.0	14.4	12.7	16.5	14.3	16.4	12.8	14.7	10.8	11.5
135.0	14.5	13.0	16.4	14.5	16.5	13.4	15.0	11.4	11.9
140.0	14.8	13.3	16.3	14.7	16.5	13.7	15.2	11.9	12.2
145.0	14.8	13.5	16.3	14.8	16.7	14.1	15.5	12.3	12.5
150.0	14.7	13.5	16.1	14.7	16.6	14.2	15.4	12.6	12.8
155.0	14.5	13.4	15.7	14.3	16.3	14.1	15.2	12.8	13.0
160.0	14.4	13.2	15.2	14.0	15.9	13.9	15.0	13.0	13.3
165.0	14.3	13.0	14.8	13.7	15.4	13.7	14.9	13.0	13.4
170.0	14.2	13.0	14.5	13.5	14.9	13.6	14.7	13.2	13.6
175.0	14.2	13.2	14.3	13.5	14.5	13.5	14.5	13.3	13.6
180.0	14.2	13.5	14.2	13.7	14.3	13.6	14.3	13.5	13.6

Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 1.2% Flicker 39.1 Temp