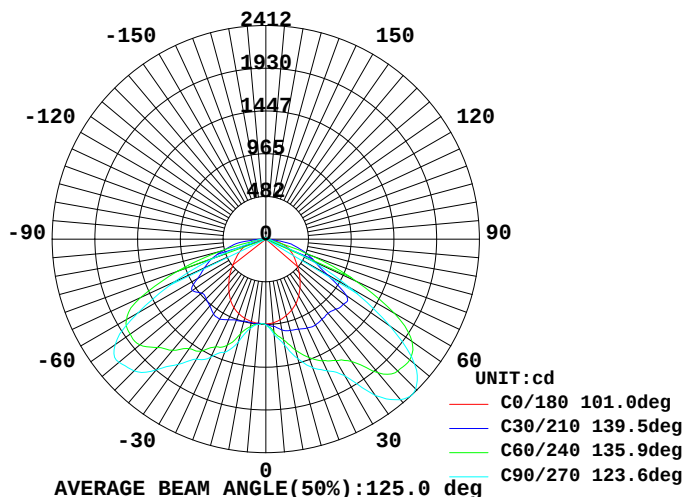


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Sh2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4844	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2412	Effective Flux(lm):	5563.5
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	270, 43.0	EEI	0.099
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	5563.5	η street_up(%):	0.7	Current(A)	0.191
TEST FLUX(lm):	5563.5	η street_down(%):	49.2	Power(W)	40.54
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.962
TOTAL RADIANT(mw):	5563.5	η house_down(%)	49.3	EEFICIENCY(lm/W)	137.2



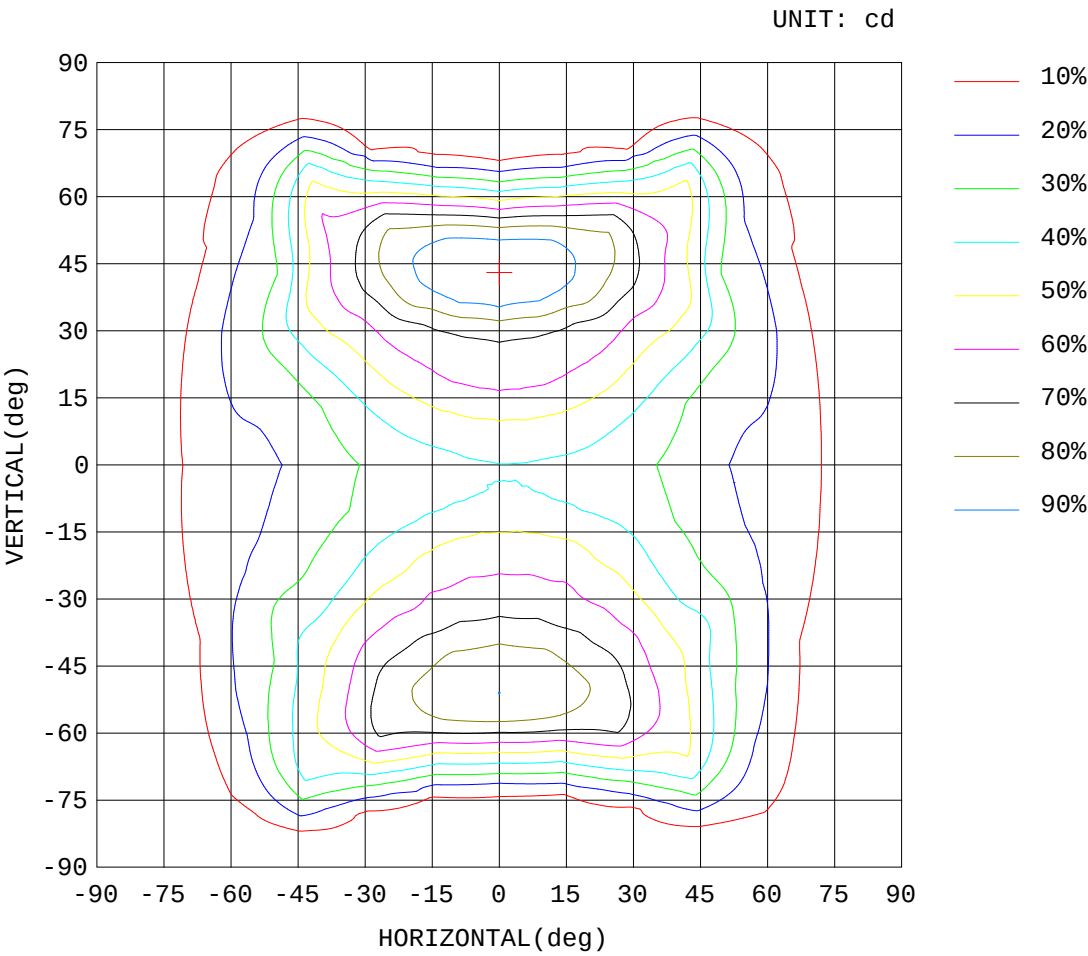
Test System:
Temperature: 25.3°C
Operators:
Test Date: 05-10-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 82Ra 1.3% Flicker 37.1 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Sh2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4844	DIMENSION: 525x112	SERIAL No.:



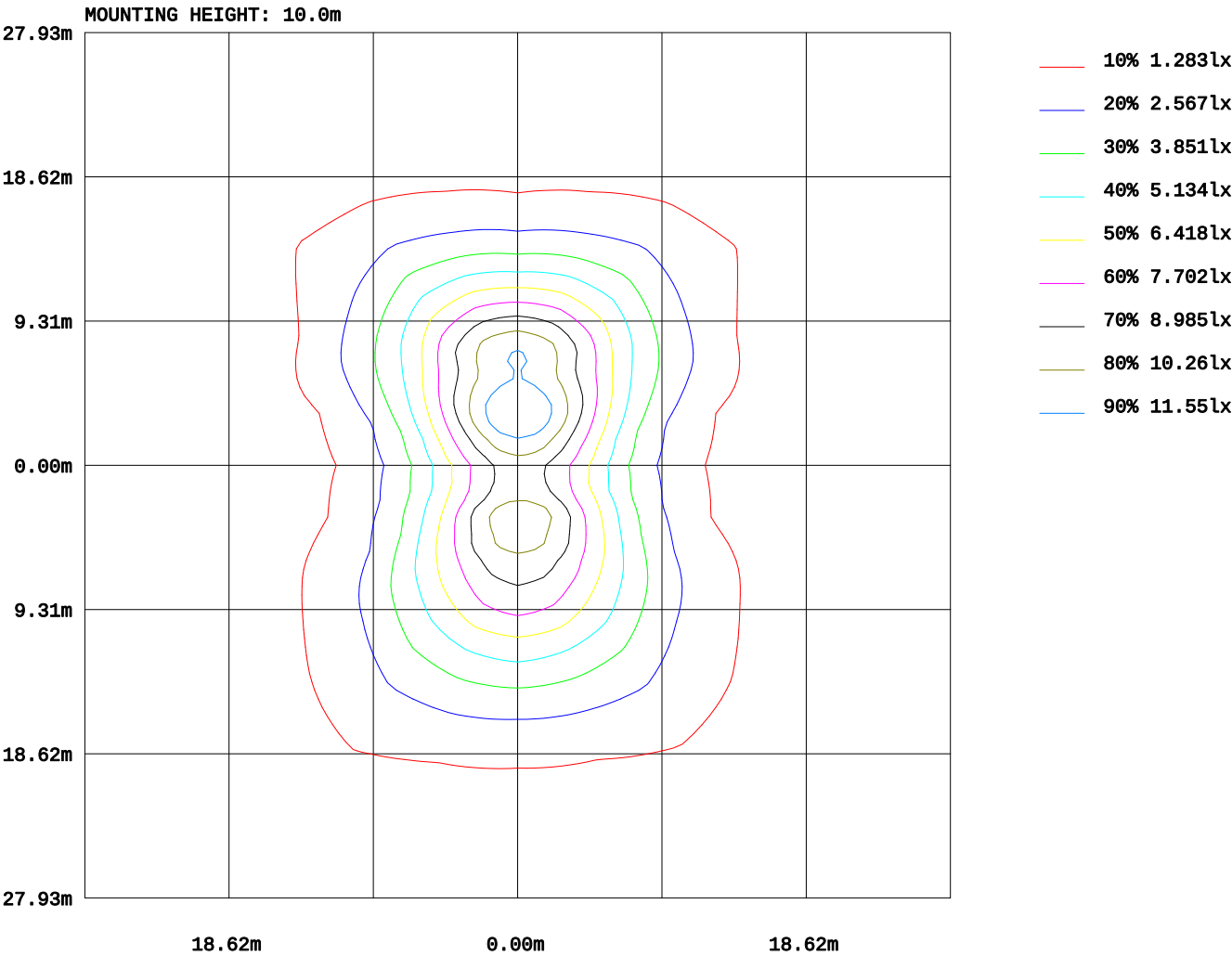
Test System:
Temperature:25.3'C
Operators:
Test Date:05-10-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra 1.3% Flicker 37.1 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Sh2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4844	DIMENSION: 525x112	SERIAL No.:



Test System:
Temperature:25.3'C
Operators:
Test Date:05-10-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra 1.3% Flicker 37.1 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Sh2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4844	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	959	959	962	963	967	965	969	967	970	967	968	965	959	959	962
5.0	957	950	951	967	970	968	967	966	966	954	948	943	948	968	988
10.0	945	939	957	974	1003	1025	1025	1018	988	960	944	924	925	965	1042
15.0	925	934	960	1023	1107	1193	1203	1175	1078	997	927	903	893	963	1066
20.0	896	903	974	1140	1274	1352	1362	1335	1232	1083	933	865	852	956	1083
25.0	854	868	1005	1229	1340	1439	1468	1418	1299	1165	939	820	804	929	1106
30.0	797	830	1043	1245	1462	1545	1566	1529	1403	1180	951	772	742	875	1121
35.0	726	780	1032	1306	1510	1680	1727	1655	1469	1221	942	722	672	808	1105
40.0	652	733	984	1347	1637	1835	1928	1809	1589	1288	895	669	602	742	1096
45.0	578	674	952	1391	1731	2019	2105	2005	1687	1346	858	619	534	673	1119
50.0	503	590	948	1409	1857	2058	2164	2067	1813	1368	841	557	461	611	1144
55.0	433	528	1013	1390	1869	2020	2077	2044	1848	1330	899	508	405	592	1113
60.0	374	506	888	1371	1816	1709	1669	1766	1822	1277	800	482	355	621	796
65.0	322	439	766	1328	1561	1171	1136	1221	1645	1241	689	428	302	514	617
70.0	268	306	650	1257	1068	670	615	713	1161	1154	602	301	252	338	501
75.0	199	190	497	1031	541	196	171	209	623	1030	450	186	170	198	375
80.0	114	100	372	578	163	97.0	127	95.5	160	649	299	99.6	82.8	121	246
85.0	42.8	38.4	167	135	68.5	51.2	79.5	48.5	69.0	185	162	34.9	22.5	48.0	74.0
90.0	10.5	4.40	37.5	7.40	23.5	10.1	27.4	9.60	22.4	7.00	26.9	3.70	3.60	11.2	4.90
95.0	9.09	4.40	13.4	6.00	13.7	5.70	12.2	5.90	14.0	6.10	12.8	4.40	4.30	10.2	5.70
100.0	8.90	5.20	12.7	7.30	13.9	7.50	12.8	7.60	14.0	7.30	12.3	5.20	5.00	10.1	6.50
105.0	9.00	6.10	12.5	8.50	14.5	9.50	14.0	9.60	14.5	8.50	12.2	6.10	5.90	10.2	7.50
110.0	9.20	7.00	12.7	9.60	15.2	11.5	15.5	11.5	15.2	9.50	12.4	7.00	6.80	10.4	8.29
115.0	9.60	7.90	13.0	10.5	16.0	13.0	16.9	12.9	15.9	10.5	12.8	7.80	7.70	10.8	9.09
120.0	10.1	8.70	13.4	11.3	16.4	14.1	17.9	14.0	16.3	11.3	13.0	8.70	8.60	11.2	9.80
125.0	10.7	9.70	13.9	12.1	16.6	14.8	18.4	14.8	16.6	12.1	13.5	9.50	9.40	11.5	10.5
130.0	11.3	10.5	14.4	12.9	17.0	15.2	18.6	15.2	16.9	12.8	14.0	10.3	10.3	12.1	11.2
135.0	11.9	11.2	15.0	13.7	17.4	15.7	18.6	15.5	17.1	13.5	14.5	11.0	11.1	12.6	11.7
140.0	12.4	11.8	15.2	14.5	17.7	16.3	18.5	15.8	17.2	14.1	14.7	11.7	11.8	13.0	12.1
145.0	12.9	12.4	15.6	15.0	18.0	16.7	18.6	16.0	17.4	14.4	14.9	12.4	12.5	13.5	12.4
150.0	13.3	12.9	15.7	15.2	18.4	17.2	18.7	16.3	17.5	14.5	15.0	12.9	13.0	13.9	12.7
155.0	13.7	13.3	15.8	15.2	18.1	17.1	18.6	16.3	17.2	14.8	15.2	13.3	13.5	14.2	13.0
160.0	14.0	13.6	15.8	15.2	17.8	16.5	18.0	15.9	17.0	14.7	15.2	13.7	14.0	14.4	13.3
165.0	14.4	13.9	15.7	15.0	17.2	16.0	17.4	15.5	16.5	14.7	15.4	14.0	14.4	14.7	13.7
170.0	14.8	14.1	15.6	14.8	16.6	15.5	16.7	15.0	16.1	14.7	15.2	14.2	14.8	14.8	13.9
175.0	15.0	14.2	15.5	14.7	16.1	15.0	16.3	14.8	15.8	14.5	15.2	14.3	15.0	14.9	14.1
180.0	15.2	14.5	15.2	14.7	15.6	15.0	15.8	14.9	15.5	14.8	15.0	14.5	15.4	14.9	14.4

Test System:
Temperature:25.3'C
Operators:
Test Date:05-10-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra 1.3% Flicker 37.1 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Sh2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4844	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	963	967	965	969	967	970	967	968	965
5.0	1015	1051	1066	1082	1072	1063	1030	1002	982
10.0	1099	1155	1184	1213	1191	1166	1112	1065	986
15.0	1173	1297	1362	1394	1371	1312	1200	1093	996
20.0	1272	1421	1510	1545	1517	1438	1299	1118	992
25.0	1343	1515	1606	1639	1611	1528	1369	1144	967
30.0	1399	1583	1712	1780	1713	1589	1421	1152	915
35.0	1440	1687	2028	2157	2013	1673	1449	1130	849
40.0	1481	1969	2290	2367	2265	1932	1472	1106	776
45.0	1551	2106	2374	2392	2341	2062	1526	1115	699
50.0	1618	2120	2260	2190	2229	2063	1589	1133	620
55.0	1545	2014	1889	1712	1865	1968	1509	1109	580
60.0	1487	1675	1310	1103	1301	1661	1446	805	607
65.0	1444	1130	733	539	730	1128	1407	613	511
70.0	1249	568	247	151	250	579	1256	495	343
75.0	819	130	112	86.5	113	138	835	369	197
80.0	315	49.9	69.7	55.0	69.8	50.8	332	248	120
85.0	69.5	15.2	34.5	19.3	35.2	16.0	76.7	78.4	49.3
90.0	16.2	6.10	12.9	5.20	13.0	6.20	16.4	4.90	11.5
95.0	14.7	7.50	13.0	7.10	13.2	7.40	14.8	5.70	10.1
100.0	14.4	9.00	14.1	9.09	14.1	8.90	14.4	6.60	9.90
105.0	14.4	10.4	15.2	11.1	15.2	10.3	14.4	7.50	10.0
110.0	14.5	11.5	16.2	12.9	16.2	11.4	14.5	8.40	10.3
115.0	14.7	12.3	16.9	14.1	16.9	12.2	14.5	9.20	10.7
120.0	14.9	13.0	17.4	14.9	17.2	12.8	14.8	10.0	11.1
125.0	15.2	13.6	17.6	15.2	17.2	13.4	15.2	10.8	11.5
130.0	15.4	13.9	17.6	15.5	17.4	13.9	15.6	11.5	12.1
135.0	15.6	14.2	17.5	15.7	17.6	14.4	15.9	12.1	12.5
140.0	15.7	14.4	17.4	15.9	17.7	14.8	16.2	12.6	12.9
145.0	15.7	14.5	17.2	15.9	17.8	15.0	16.2	12.9	13.3
150.0	15.5	14.5	17.0	15.7	17.6	15.0	16.1	13.2	13.6
155.0	15.4	14.3	16.5	15.2	17.2	14.9	15.9	13.5	13.9
160.0	15.2	14.1	16.0	14.9	16.5	14.5	15.8	13.7	14.1
165.0	15.2	14.1	15.6	14.5	16.1	14.5	15.7	14.0	14.3
170.0	15.2	14.2	15.4	14.5	15.8	14.5	15.7	14.2	14.5
175.0	15.4	14.4	15.4	14.7	15.6	14.5	15.6	14.4	14.8
180.0	15.4	14.8	15.5	15.0	15.5	14.8	15.5	14.7	14.9

Test System:
Temperature:25.3'C
Operators:
Test Date:05-10-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra 1.3% Flicker 37.1 Temp