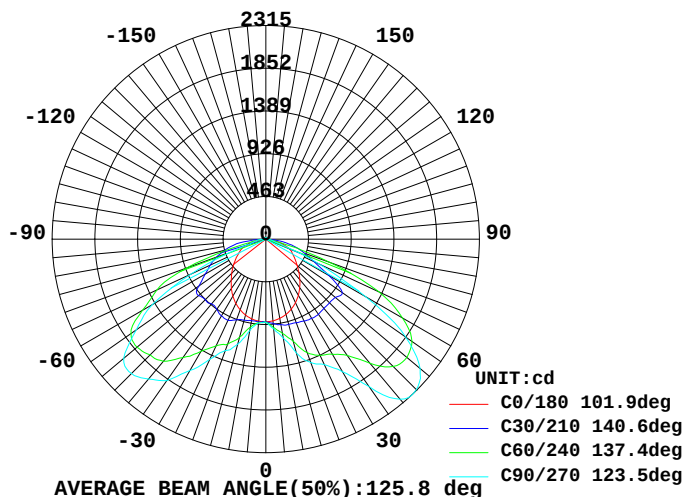


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2315	Effective Flux(lm):	5312.8
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	270, 43.0	EEI	0.105
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	5312.8	η street_up(%):	0.7	Current(A)	0.192
TEST FLUX(lm):	5312.8	η street_down(%):	48.3	Power(W)	40.83
LAMPS QUANTITY:	1	η house_up(%):	0.7	Power Factor	0.962
TOTAL RADIANT(mw):	5312.8	η house_down(%):	50.2	EEFICIENCY(lm/W)	130.1



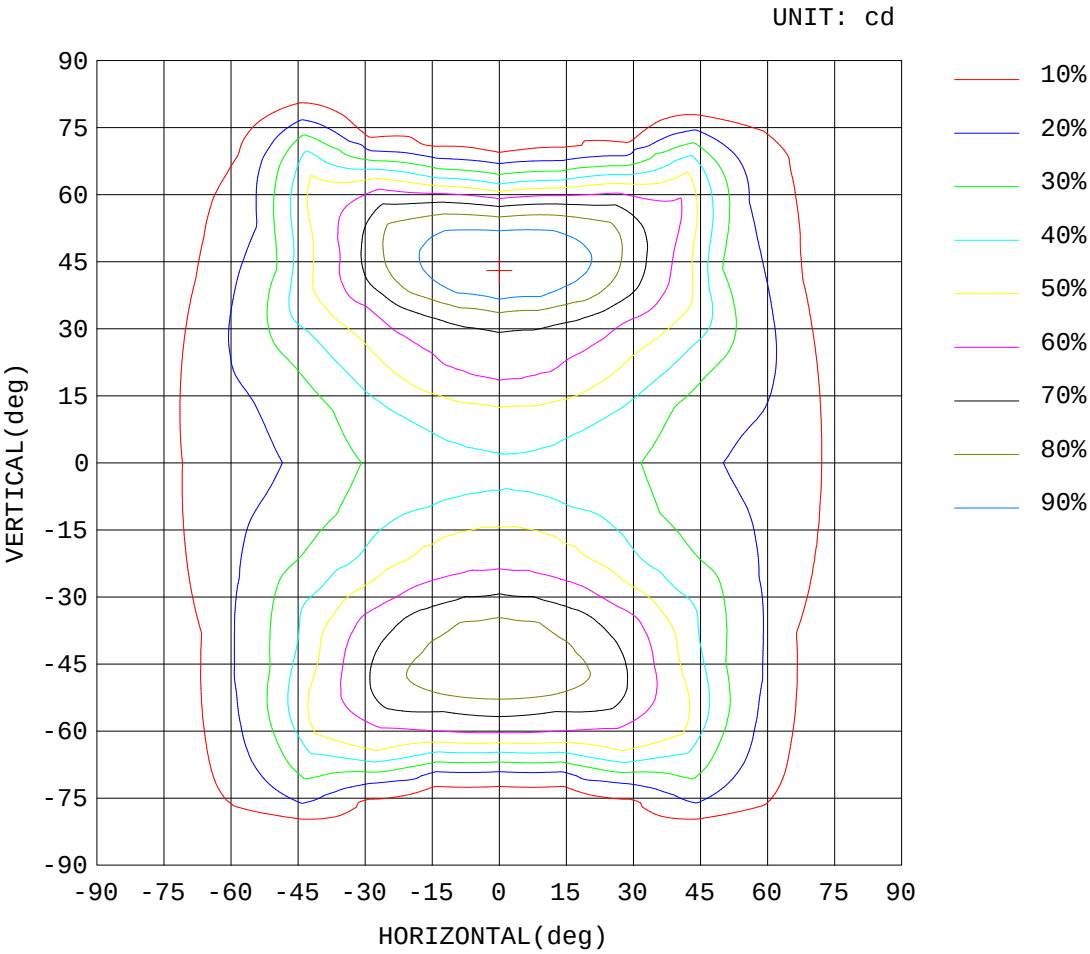
Test System:
 Temperature:25.3'C
 Operators:
 Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 82Ra 1.1% Flicker 38.6 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	DIMENSION: 525x112	SERIAL No.:



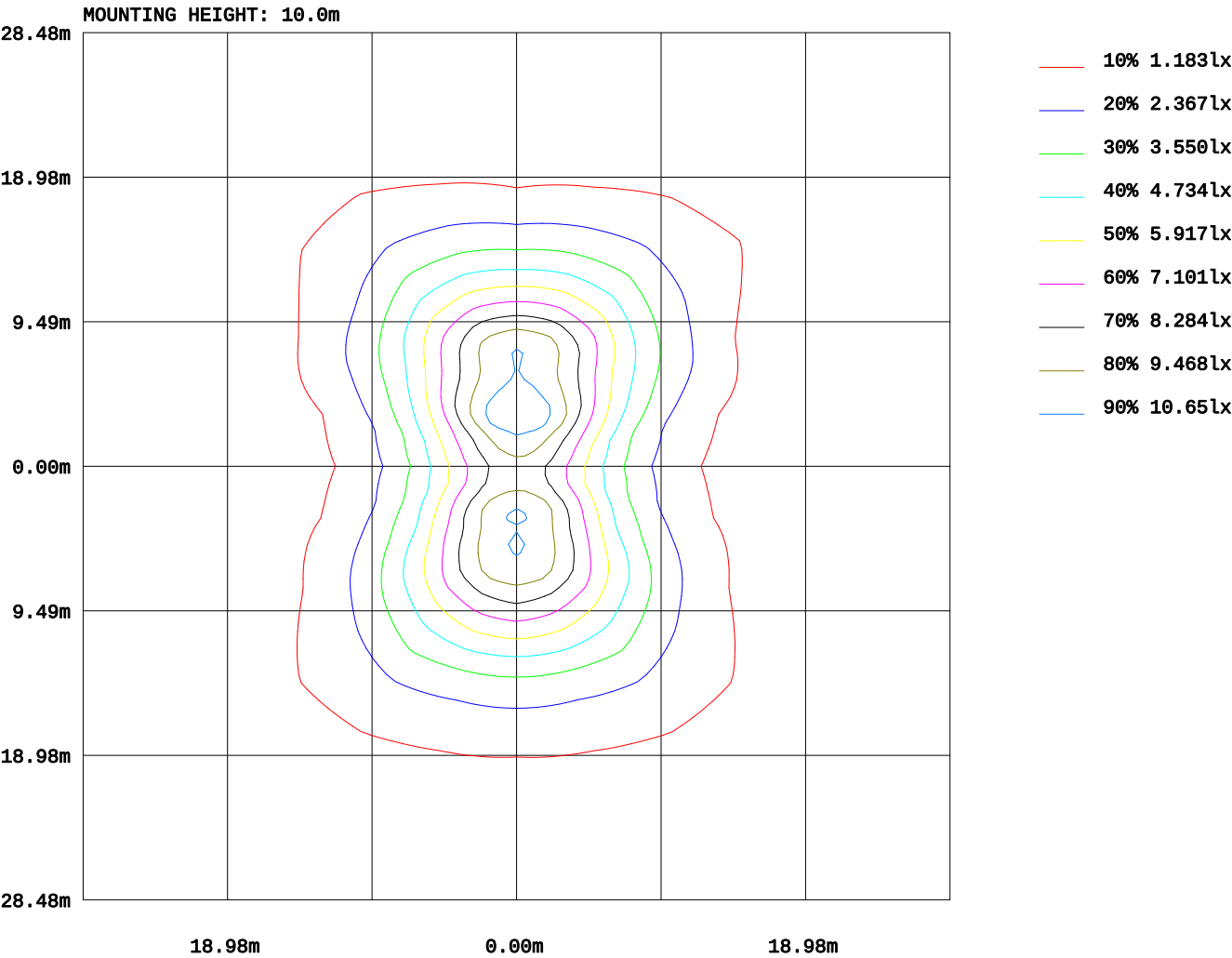
Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 82Ra 1.1% Flicker 38.6 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	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: 82Ra 1.1% Flicker 38.6 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	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	896	896	899	900	902	901	903	902	903	902	902	898	896	896	899
5.0	892	892	900	904	909	917	915	915	906	903	902	887	890	899	917
10.0	878	880	897	934	967	1003	1006	999	961	927	895	881	872	895	941
15.0	852	853	909	1003	1100	1166	1177	1163	1091	999	905	853	845	888	956
20.0	815	823	931	1097	1210	1270	1286	1270	1206	1089	928	820	807	867	964
25.0	769	790	971	1143	1276	1398	1436	1399	1272	1144	961	792	761	836	979
30.0	715	752	963	1171	1402	1594	1644	1593	1405	1169	965	755	704	792	991
35.0	652	714	930	1245	1567	1795	1873	1795	1567	1254	933	717	641	737	993
40.0	584	671	915	1324	1727	1907	1978	1907	1729	1337	926	674	574	680	980
45.0	524	607	930	1431	1774	1986	2059	1991	1774	1437	946	608	507	620	976
50.0	464	556	953	1422	1822	1970	2011	1977	1825	1431	956	553	445	561	983
55.0	408	546	887	1364	1784	1713	1713	1714	1791	1374	897	538	390	518	1012
60.0	358	487	762	1340	1544	1446	1423	1448	1539	1351	776	485	342	507	790
65.0	310	395	664	1299	1302	982	892	973	1302	1306	680	393	303	451	574
70.0	263	288	568	1040	910	435	384	433	900	1035	586	288	242	326	448
75.0	194	171	459	768	384	149	170	149	382	770	473	172	162	197	333
80.0	107	89.0	343	470	139	82.3	110	83.0	138	473	355	92.1	80.2	118	215
85.0	41.5	31.9	157	89.0	59.1	41.2	67.7	41.7	60.6	92.1	166	34.0	23.7	52.0	72.7
90.0	10.2	3.50	18.0	4.80	15.2	4.50	13.4	4.50	15.6	5.00	20.5	3.60	3.40	12.1	4.30
95.0	9.00	4.20	12.9	6.00	13.7	6.00	12.1	6.00	13.7	6.20	13.3	4.40	4.10	9.90	5.10
100.0	8.70	5.00	12.3	7.20	13.9	7.80	12.8	7.80	13.9	7.40	12.6	5.20	4.80	9.70	6.00
105.0	8.80	5.80	12.2	8.29	14.5	9.70	14.0	9.80	14.5	8.50	12.4	6.00	5.60	9.80	6.90
110.0	9.09	6.60	12.3	9.30	15.0	11.5	15.6	11.5	15.2	9.50	12.5	6.80	6.40	10.0	7.70
115.0	9.40	7.50	12.6	10.1	15.7	12.9	16.7	13.0	15.8	10.3	12.7	7.60	7.30	10.3	8.50
120.0	9.80	8.40	13.0	10.9	16.0	13.7	17.7	13.9	16.2	11.1	13.0	8.40	8.10	10.7	9.20
125.0	10.3	9.20	13.4	11.7	16.2	14.4	18.0	14.5	16.4	11.8	13.3	9.09	9.00	11.2	9.90
130.0	10.9	10.0	13.9	12.5	16.5	14.8	18.0	15.0	16.5	12.4	13.7	9.90	9.80	11.7	10.7
135.0	11.5	10.5	14.3	13.3	16.9	15.2	18.0	15.0	16.5	13.0	14.1	10.5	10.5	12.1	11.3
140.0	12.0	11.2	14.7	14.0	17.2	15.8	18.0	15.2	16.6	13.6	14.3	11.2	11.3	12.6	11.7
145.0	12.5	11.8	14.9	14.4	17.5	16.2	18.1	15.6	16.9	13.9	14.5	11.8	11.9	13.0	12.1
150.0	12.9	12.3	15.0	14.5	17.7	16.5	18.1	15.8	16.9	14.0	14.5	12.3	12.5	13.4	12.4
155.0	13.2	12.7	15.0	14.5	17.5	16.4	18.0	15.7	16.5	14.1	14.7	12.8	12.9	13.7	12.7
160.0	13.6	13.0	15.0	14.4	17.0	15.9	17.4	15.2	16.3	14.0	14.7	13.0	13.4	13.9	13.0
165.0	13.9	13.3	15.0	14.4	16.5	15.2	16.6	14.8	15.8	14.0	14.8	13.4	13.7	14.1	13.2
170.0	14.3	13.5	14.9	14.1	15.9	14.8	16.1	14.4	15.5	14.0	14.8	13.7	14.2	14.3	13.4
175.0	14.5	13.6	14.8	14.0	15.5	14.4	15.7	14.2	15.2	14.0	14.8	13.7	14.5	14.4	13.6
180.0	14.5	13.9	14.5	14.0	15.0	14.4	15.2	14.4	15.0	14.3	14.8	14.1	14.8	14.3	13.7

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: 82Ra 1.1% Flicker 38.6 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4103	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	900	902	901	903	902	903	902	902	898
5.0	939	959	966	976	970	966	952	932	908
10.0	990	1035	1063	1088	1071	1048	1006	961	914
15.0	1044	1145	1223	1275	1236	1170	1074	975	906
20.0	1124	1306	1385	1423	1397	1335	1170	997	886
25.0	1226	1390	1463	1502	1477	1413	1272	1021	849
30.0	1278	1441	1577	1659	1597	1473	1314	1052	804
35.0	1299	1538	1809	1951	1851	1597	1342	1052	753
40.0	1322	1754	2144	2264	2185	1839	1385	1054	703
45.0	1392	1951	2257	2306	2280	2029	1507	1063	661
50.0	1478	1995	2198	2183	2210	2056	1571	1083	606
55.0	1395	1933	1959	1851	1951	1975	1522	1061	584
60.0	1334	1709	1534	1252	1476	1709	1502	785	583
65.0	1323	1354	858	648	802	1255	1454	615	487
70.0	1211	737	349	199	312	605	1266	516	324
75.0	965	221	129	93.5	125	160	894	424	198
80.0	520	60.9	78.6	61.0	78.0	58.2	354	329	124
85.0	149	25.9	46.2	32.1	47.6	24.6	96.3	119	54.4
90.0	19.6	5.20	13.7	4.40	13.5	5.30	17.2	4.50	11.9
95.0	15.0	6.50	12.6	5.90	12.5	6.60	14.7	5.40	10.1
100.0	14.4	8.00	13.3	7.80	13.2	8.10	14.2	6.30	9.90
105.0	14.2	9.40	14.3	9.80	14.2	9.50	14.1	7.20	10.0
110.0	14.2	10.5	15.2	11.5	15.2	10.7	14.2	8.00	10.2
115.0	14.3	11.5	16.2	13.0	16.2	11.7	14.4	8.90	10.5
120.0	14.5	12.4	16.6	14.1	16.6	12.4	14.5	9.70	11.0
125.0	14.7	12.9	17.1	14.7	17.0	13.0	14.9	10.5	11.5
130.0	14.9	13.3	17.1	15.0	17.1	13.5	15.2	11.3	12.0
135.0	15.0	13.6	17.1	15.2	17.2	14.0	15.6	12.0	12.5
140.0	15.2	13.9	16.9	15.2	17.2	14.4	15.9	12.5	12.8
145.0	15.2	14.1	16.7	15.2	17.4	14.8	16.1	12.9	13.2
150.0	15.2	14.1	16.5	15.2	17.2	14.9	16.1	13.3	13.5
155.0	15.2	14.0	16.3	15.0	17.0	14.9	16.0	13.5	13.7
160.0	15.0	13.9	15.9	14.7	16.5	14.7	15.8	13.7	14.0
165.0	15.0	13.7	15.4	14.5	16.1	14.5	15.6	13.9	14.2
170.0	15.0	13.9	15.2	14.4	15.7	14.4	15.5	14.0	14.3
175.0	14.9	14.0	15.0	14.3	15.2	14.2	15.2	14.1	14.4
180.0	14.9	14.3	15.0	14.5	15.0	14.3	15.0	14.3	14.4

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: 82Ra 1.1% Flicker 38.6 Temp