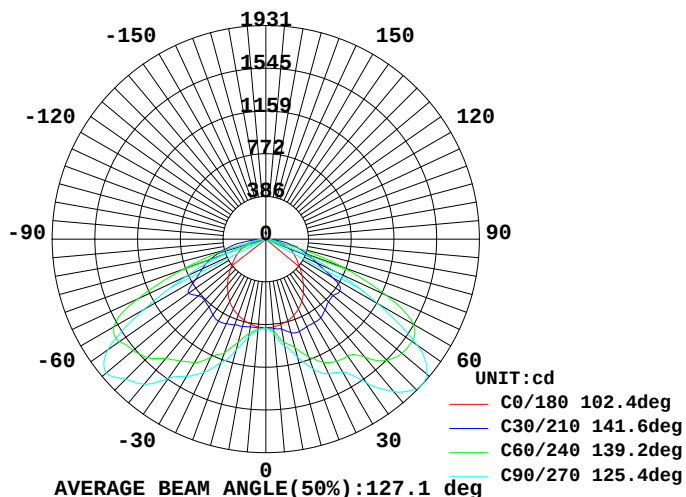


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5007	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	1931	Effective Flux(lm):	4686.6
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	270, 47.0	EEI	0.118
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	219.0
NOMINAL FLUX(lm):	4686.6	η street_up(%):	0.7	Current(A)	0.194
TEST FLUX(lm):	4686.6	η street_down(%):	49.2	Power(W)	40.45
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.952
TOTAL RADIANT(mw):	4686.6	η house_down(%)	49.3	EEFICIENCY(lm/W)	115.8



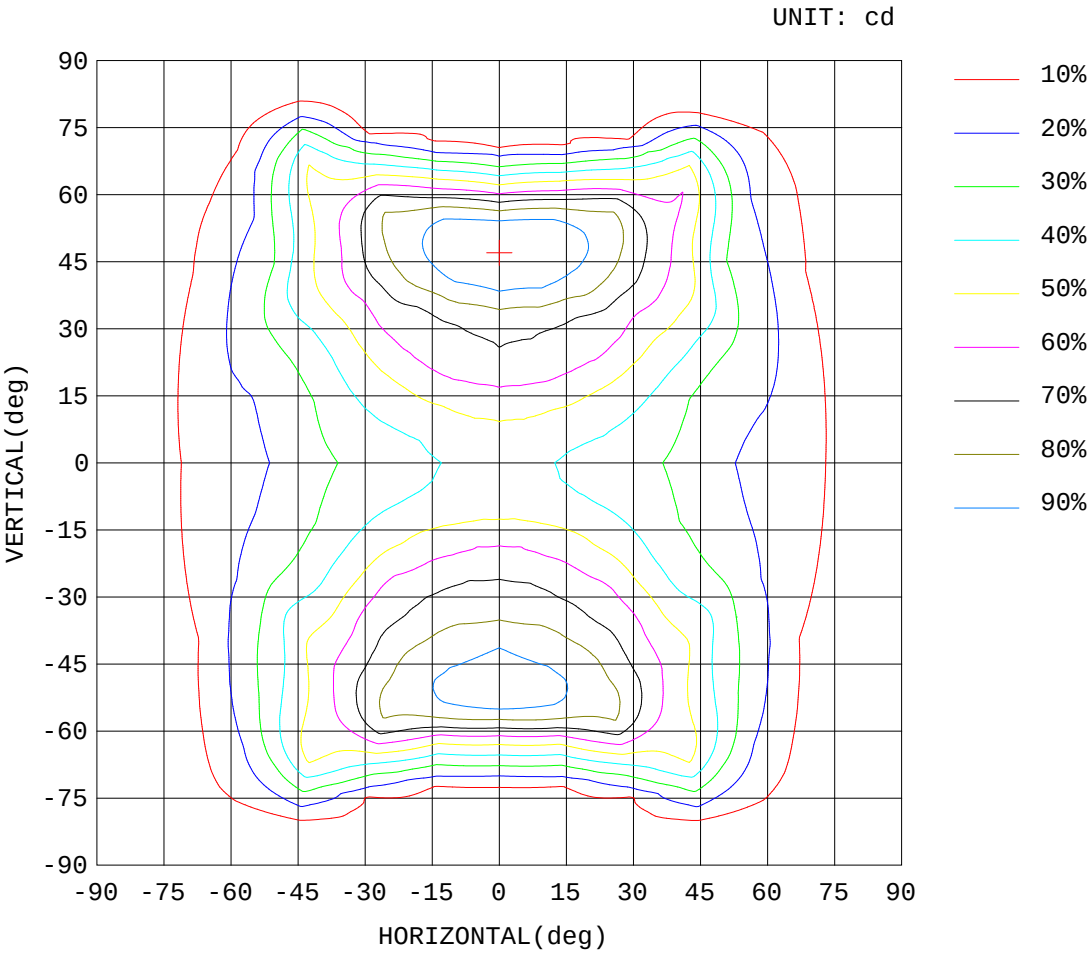
Test System:
 Temperature:25.3'C
 Operators:
 Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 91Ra 0.8% Flicker 38.2 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5007	DIMENSION: 525x112	SERIAL No.:



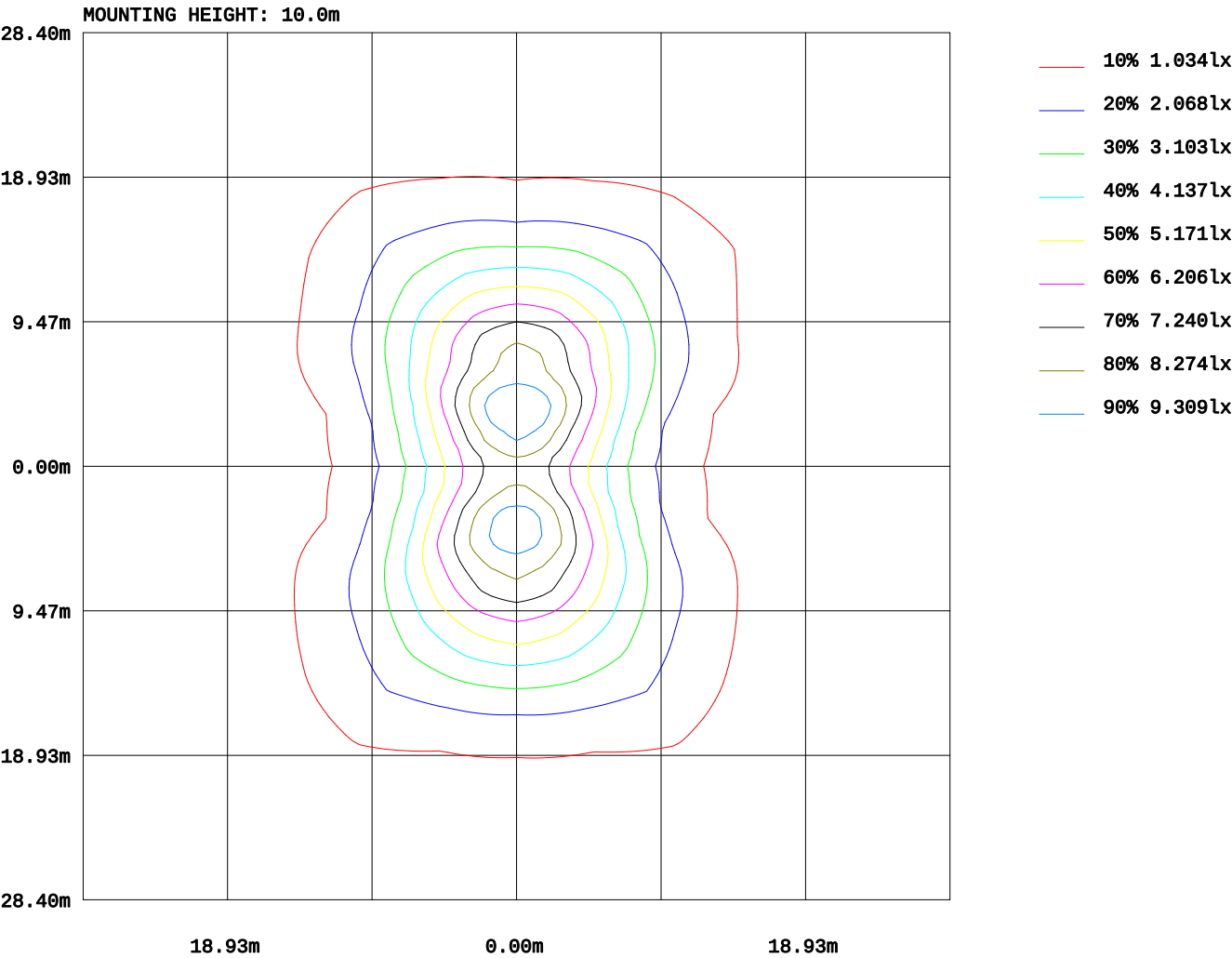
Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 91Ra 0.8% Flicker 38.2 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5007	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: 91Ra 0.8% Flicker 38.2 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5007	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	801	800	801	803	805	804	805	803	805	802	802	800	801	800	801
5.0	796	795	807	811	817	825	824	823	816	810	807	794	796	801	809
10.0	782	789	807	840	867	893	896	890	865	838	807	793	783	795	825
15.0	761	769	817	887	963	1025	1036	1023	960	886	820	775	763	787	874
20.0	731	744	827	962	1093	1165	1185	1166	1092	963	828	749	735	767	888
25.0	697	716	845	1031	1180	1300	1331	1308	1192	1041	854	721	698	754	876
30.0	653	682	855	1068	1287	1393	1430	1404	1308	1092	871	693	650	735	873
35.0	596	644	834	1143	1344	1474	1540	1485	1368	1179	856	655	593	690	866
40.0	538	599	801	1166	1412	1637	1712	1641	1425	1203	830	608	530	627	835
45.0	479	547	782	1194	1514	1718	1791	1716	1517	1215	807	551	464	550	802
50.0	417	478	796	1181	1565	1807	1884	1798	1565	1192	810	476	402	474	795
55.0	361	428	853	1179	1614	1738	1742	1722	1607	1193	868	424	348	420	817
60.0	315	403	737	1114	1587	1366	1276	1347	1571	1132	752	404	303	416	701
65.0	268	350	633	1058	1275	853	798	839	1257	1074	645	351	269	385	509
70.0	207	234	534	1066	793	432	387	424	776	1073	545	235	205	293	398
75.0	166	153	401	853	364	124	149	123	355	855	413	156	140	186	294
80.0	95.0	81.3	287	430	114	72.3	98.0	72.3	114	429	299	84.6	71.5	107	189
85.0	38.7	29.8	128	78.7	52.1	34.7	59.1	35.1	52.7	78.1	135	31.6	22.0	48.1	61.2
90.0	9.80	3.10	16.7	4.30	14.5	4.20	13.2	4.20	14.9	4.50	18.6	3.20	3.10	11.0	3.90
95.0	8.29	3.70	11.7	5.30	12.7	5.60	11.5	5.60	12.7	5.40	12.0	3.80	3.70	9.09	4.60
100.0	8.00	4.40	11.2	6.30	12.8	7.10	12.1	7.10	12.8	6.50	11.4	4.50	4.30	8.90	5.40
105.0	8.10	5.10	11.0	7.30	13.3	8.80	13.0	8.80	13.3	7.40	11.2	5.30	5.00	9.00	6.20
110.0	8.20	5.80	11.1	8.10	13.7	10.2	14.2	10.2	13.7	8.29	11.2	5.90	5.70	9.09	7.00
115.0	8.50	6.60	11.2	8.80	14.0	11.3	15.2	11.4	14.1	9.00	11.4	6.60	6.50	9.40	7.70
120.0	8.90	7.30	11.5	9.50	14.2	12.0	15.7	12.1	14.4	9.70	11.5	7.30	7.20	9.70	8.29
125.0	9.40	8.00	11.9	10.3	14.4	12.5	16.0	12.7	14.5	10.3	11.9	8.00	7.90	10.1	8.90
130.0	9.80	8.70	12.3	11.0	14.7	12.9	16.0	13.0	14.7	10.9	12.2	8.70	8.70	10.4	9.60
135.0	10.3	9.30	12.7	11.5	15.0	13.4	16.0	13.2	14.8	11.4	12.5	9.20	9.40	10.8	10.0
140.0	10.8	9.90	12.9	12.2	15.2	13.9	16.1	13.4	14.9	11.8	12.6	9.80	10.0	11.2	10.4
145.0	11.2	10.3	13.0	12.5	15.6	14.2	16.2	13.7	15.0	12.1	12.8	10.4	10.5	11.5	10.7
150.0	11.5	10.8	13.2	12.6	15.6	14.4	16.1	13.7	15.0	12.2	12.9	10.9	11.1	11.9	11.0
155.0	11.9	11.1	13.2	12.6	15.2	14.2	15.8	13.6	14.7	12.3	13.0	11.3	11.5	12.2	11.2
160.0	12.2	11.5	13.3	12.6	14.9	13.7	15.2	13.2	14.3	12.3	13.0	11.7	11.9	12.5	11.5
165.0	12.6	11.8	13.3	12.6	14.5	13.3	14.7	12.9	14.0	12.4	13.2	12.0	12.3	12.7	11.7
170.0	12.9	12.0	13.3	12.5	14.2	13.0	14.3	12.7	13.7	12.4	13.2	12.2	12.7	12.8	11.9
175.0	13.0	12.2	13.3	12.5	13.7	12.8	14.0	12.7	13.6	12.6	13.3	12.4	13.0	12.9	12.1
180.0	13.0	12.4	13.0	12.6	13.6	12.9	13.7	12.9	13.6	12.9	13.2	12.7	13.3	12.9	12.4

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: 91Ra 0.8% Flicker 38.2 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5007	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	803	805	804	805	803	805	802	802	800
5.0	825	834	841	854	846	838	826	816	801
10.0	892	946	965	978	968	949	909	839	799
15.0	948	1014	1067	1104	1076	1031	953	886	785
20.0	996	1129	1207	1247	1219	1143	1018	892	781
25.0	1062	1225	1310	1345	1320	1242	1091	894	776
30.0	1111	1277	1348	1386	1362	1298	1145	913	747
35.0	1139	1291	1461	1582	1504	1331	1188	909	697
40.0	1154	1393	1689	1797	1736	1476	1202	898	632
45.0	1147	1549	1824	1920	1864	1629	1219	893	571
50.0	1199	1605	1869	1900	1900	1681	1284	893	510
55.0	1149	1613	1763	1672	1758	1679	1248	896	469
60.0	1080	1537	1370	1174	1328	1537	1202	714	469
65.0	1044	1205	888	700	847	1113	1179	547	415
70.0	1030	740	390	219	348	655	1112	451	292
75.0	880	231	134	88.3	126	168	806	358	188
80.0	485	66.0	75.4	57.7	75.0	57.9	355	256	113
85.0	138	23.9	42.7	27.4	43.0	22.9	85.3	96.5	49.7
90.0	16.7	4.80	12.6	4.10	12.4	4.80	15.6	4.10	10.8
95.0	14.0	6.00	12.0	5.50	11.9	6.00	13.7	4.90	9.30
100.0	13.3	7.30	12.6	7.30	12.4	7.40	13.2	5.70	9.09
105.0	13.0	8.60	13.4	9.00	13.3	8.70	13.0	6.50	9.09
110.0	13.0	9.60	14.3	10.7	14.3	9.80	13.0	7.30	9.30
115.0	13.0	10.4	14.9	11.9	15.0	10.5	13.2	8.10	9.60
120.0	13.3	11.1	15.2	12.8	15.2	11.2	13.4	8.80	10.0
125.0	13.4	11.5	15.5	13.2	15.5	11.5	13.6	9.50	10.4
130.0	13.6	12.0	15.5	13.5	15.5	12.2	13.9	10.2	10.9
135.0	13.7	12.3	15.5	13.7	15.6	12.7	14.3	10.8	11.2
140.0	13.9	12.5	15.4	13.7	15.8	13.0	14.5	11.2	11.5
145.0	13.7	12.7	15.2	13.9	15.8	13.3	14.5	11.5	11.9
150.0	13.7	12.7	15.2	13.9	15.8	13.4	14.5	11.8	12.1
155.0	13.6	12.6	14.8	13.5	15.4	13.3	14.4	12.1	12.4
160.0	13.5	12.4	14.3	13.0	14.9	13.0	14.2	12.3	12.6
165.0	13.5	12.3	13.9	12.9	14.5	12.9	14.1	12.4	12.8
170.0	13.4	12.4	13.7	12.9	14.1	12.9	14.0	12.6	12.9
175.0	13.4	12.5	13.6	12.8	13.7	12.8	13.7	12.7	13.0
180.0	13.4	12.8	13.5	13.0	13.6	12.9	13.6	12.8	12.9

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: 91Ra 0.8% Flicker 38.2 Temp