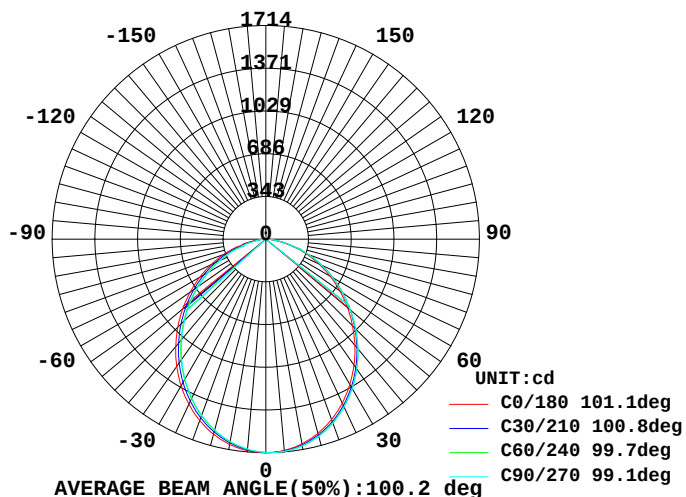


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	1715	Effective Flux(lm):	4261.1
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	255, 2.0	EEI	0.130
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	4261.1	η street_up(%):	0.8	Current(A)	0.191
TEST FLUX(lm):	4261.1	η street_down(%):	47.1	Power(W)	40.61
LAMPS QUANTITY:	1	η house_up(%)	0.8	Power Factor	0.962
TOTAL RADIANT(mw):	4261.1	η house_down(%)	51.4	EEFICIENCY(lm/W)	104.9



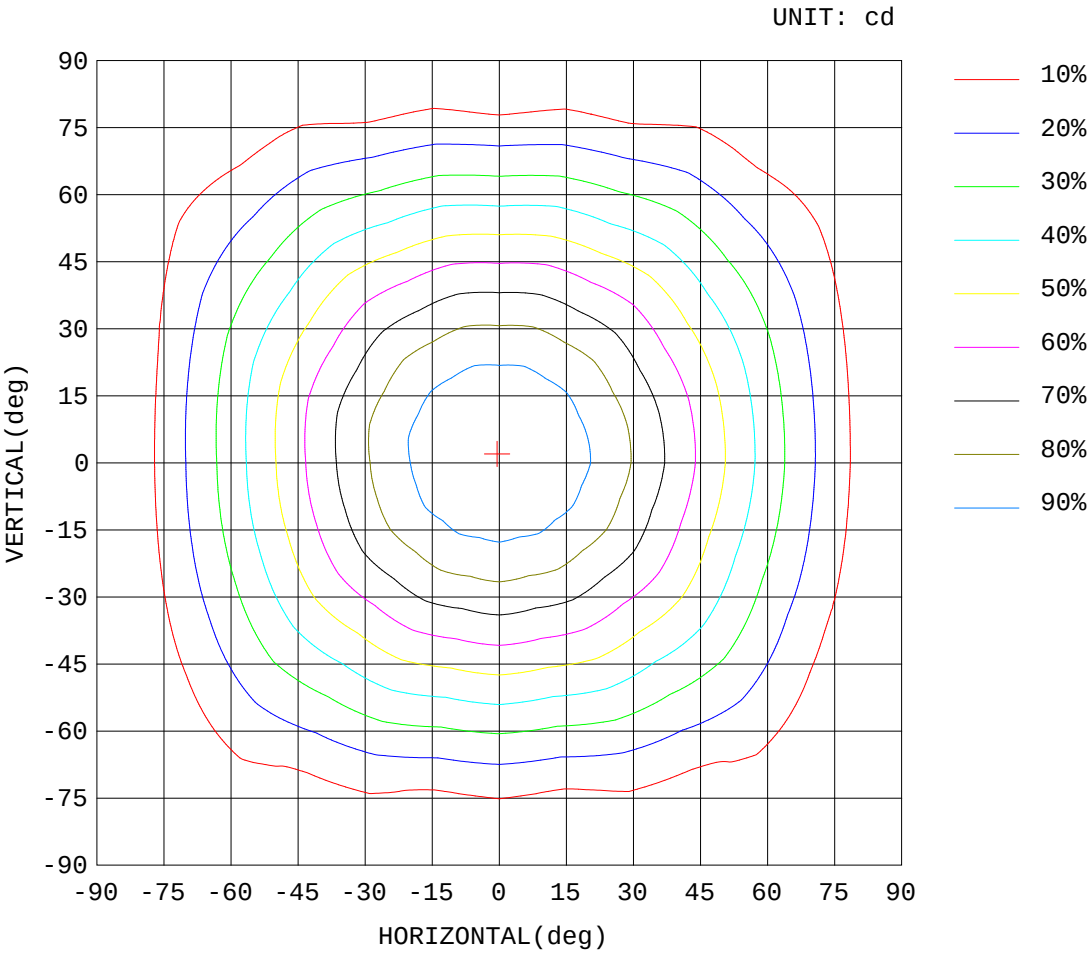
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 93Ra 1.1% Flicker 37.5 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	DIMENSION: 525x112	SERIAL No.:



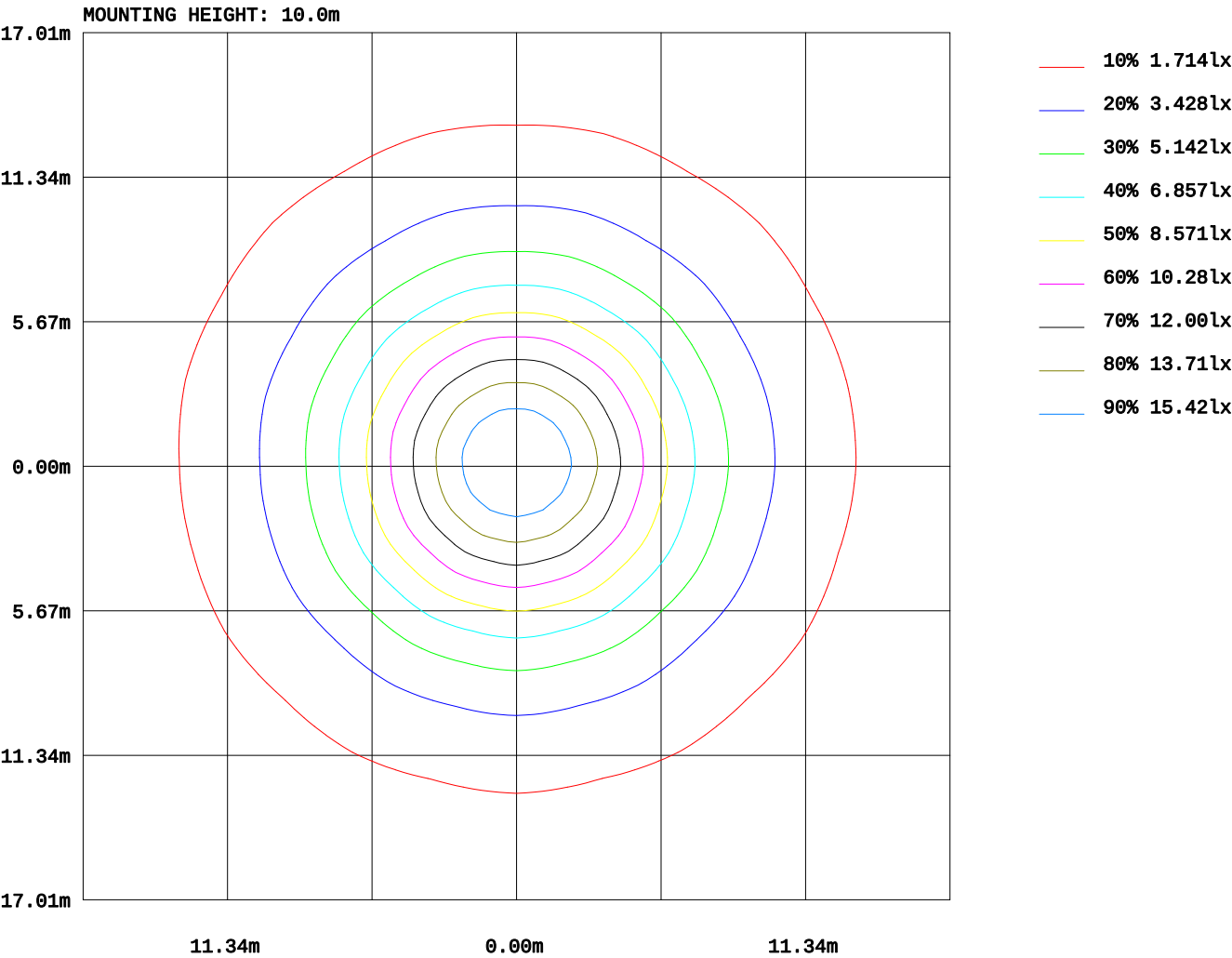
Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra 1.1% Flicker 37.5 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	DIMENSION: 525x112	SERIAL No.:



Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra 1.1% Flicker 37.5 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	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	1714	1713	1713	1712	1712	1710	1711	1710	1712	1710	1712	1707	1714	1713	1713
5.0	1704	1697	1697	1691	1694	1687	1691	1688	1693	1691	1696	1696	1702	1705	1706
10.0	1673	1661	1660	1649	1652	1643	1649	1644	1652	1651	1661	1663	1668	1678	1677
15.0	1620	1603	1602	1587	1589	1577	1585	1578	1591	1589	1605	1604	1614	1628	1628
20.0	1550	1527	1527	1505	1510	1492	1505	1494	1513	1508	1531	1528	1541	1559	1558
25.0	1462	1436	1434	1410	1413	1395	1407	1397	1417	1415	1439	1440	1452	1474	1474
30.0	1359	1330	1328	1300	1303	1282	1296	1285	1308	1306	1335	1335	1348	1374	1372
35.0	1248	1212	1214	1179	1186	1159	1178	1163	1192	1186	1222	1219	1233	1262	1258
40.0	1126	1090	1090	1056	1061	1034	1051	1038	1066	1064	1098	1098	1113	1144	1139
45.0	999	962	962	926	931	902	921	906	938	934	972	971	985	1018	1012
50.0	873	831	835	794	803	769	792	774	810	803	845	840	855	889	881
55.0	742	703	706	666	672	640	660	645	680	676	717	713	728	762	753
60.0	613	573	577	536	542	509	529	513	551	547	589	583	598	634	622
65.0	486	444	452	408	416	380	404	385	425	419	464	454	468	504	490
70.0	361	322	327	293	292	250	281	255	301	297	339	333	345	382	365
75.0	240	195	189	161	183	140	174	144	190	172	182	206	217	260	235
80.0	142	93.4	111	66.1	89.9	59.7	87.3	61.9	95.4	73.7	123	103	112	156	125
85.0	52.4	21.6	34.9	14.0	27.7	10.8	26.4	11.7	31.0	17.6	40.7	28.0	33.7	63.3	42.5
90.0	11.4	3.50	10.8	3.60	10.4	3.60	10.2	3.60	10.5	3.50	11.0	3.30	3.70	14.7	5.40
95.0	10.2	4.10	9.90	4.20	9.70	4.10	9.60	4.10	9.70	4.10	10.0	4.00	4.40	10.3	3.90
100.0	10.0	4.90	9.80	4.90	9.60	4.90	9.50	4.90	9.60	4.90	9.80	4.80	5.20	10.0	4.60
105.0	10.0	5.70	9.80	5.80	9.70	5.80	9.70	5.80	9.70	5.70	9.90	5.70	6.20	10.0	5.50
110.0	10.3	6.60	10.1	6.60	10.0	6.70	10.1	6.70	10.0	6.60	10.2	6.60	7.20	10.3	6.40
115.0	10.8	7.60	10.5	7.60	10.5	7.60	10.5	7.60	10.5	7.50	10.5	7.50	8.10	10.7	7.30
120.0	11.4	8.60	11.1	8.50	11.1	8.60	11.1	8.50	11.1	8.50	11.1	8.50	9.20	11.3	8.29
125.0	12.0	9.60	11.7	9.50	11.8	9.60	11.8	9.60	11.7	9.40	11.7	9.50	10.3	11.9	9.20
130.0	12.7	10.5	12.4	10.4	12.5	10.5	12.6	10.5	12.4	10.4	12.5	10.5	11.3	12.7	10.2
135.0	13.5	11.5	13.2	11.4	13.2	11.5	13.3	11.4	13.0	11.3	13.2	11.5	12.3	13.4	11.2
140.0	14.2	12.4	13.9	12.3	13.9	12.5	14.0	12.4	13.7	12.3	13.9	12.5	13.2	14.2	12.2
145.0	14.8	13.3	14.5	13.2	14.5	13.4	14.7	13.2	14.5	13.0	14.5	13.4	14.1	14.9	13.0
150.0	15.4	14.1	15.2	14.0	15.2	14.3	15.2	14.0	15.0	14.0	15.2	14.3	14.9	15.7	14.0
155.0	16.0	14.9	15.8	14.8	15.9	15.0	15.9	14.7	15.7	14.7	15.9	15.0	15.6	16.3	14.8
160.0	16.5	15.6	16.4	15.5	16.5	15.8	16.5	15.4	16.3	15.4	16.5	15.8	16.4	16.9	15.5
165.0	17.2	16.2	17.0	16.2	17.1	16.4	17.1	16.0	16.7	16.1	17.1	16.4	17.0	17.4	16.1
170.0	17.7	16.5	17.4	16.6	17.5	16.9	17.7	16.5	17.2	16.5	17.4	16.7	17.6	17.7	16.6
175.0	18.0	17.0	17.7	17.0	17.8	17.2	18.0	16.9	17.5	16.9	17.6	17.0	18.0	17.9	17.0
180.0	18.1	17.4	17.7	17.2	17.7	17.2	18.0	17.2	17.6	17.1	17.6	17.2	18.4	17.9	17.2

Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra 1.1% Flicker 37.5 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1712	1712	1710	1711	1710	1712	1710	1712	1707
5.0	1709	1709	1711	1709	1710	1707	1707	1702	1703
10.0	1686	1684	1689	1684	1688	1681	1682	1672	1672
15.0	1640	1638	1645	1639	1643	1633	1635	1623	1621
20.0	1574	1570	1580	1572	1578	1565	1568	1552	1551
25.0	1491	1486	1499	1488	1496	1481	1486	1466	1466
30.0	1393	1385	1400	1387	1397	1380	1386	1364	1366
35.0	1282	1271	1288	1273	1285	1266	1274	1249	1251
40.0	1164	1152	1169	1151	1166	1146	1156	1130	1133
45.0	1037	1021	1039	1019	1036	1016	1030	1002	1008
50.0	907	886	903	883	901	881	899	871	878
55.0	777	754	773	751	770	749	770	744	752
60.0	644	623	643	619	640	617	637	613	623
65.0	515	494	515	490	511	489	507	482	494
70.0	393	371	390	365	387	366	385	357	372
75.0	269	239	268	234	265	233	262	226	251
80.0	164	129	164	128	161	124	158	118	148
85.0	70.4	46.0	75.4	53.2	73.0	42.5	65.3	37.9	57.4
90.0	18.0	7.50	22.7	10.3	21.7	6.20	16.9	4.10	12.9
95.0	10.2	3.60	10.1	3.60	10.1	3.70	10.1	3.90	10.2
100.0	9.80	4.30	9.60	4.30	9.60	4.30	9.70	4.60	9.90
105.0	9.70	5.20	9.60	5.10	9.50	5.20	9.70	5.40	9.90
110.0	10.0	6.00	9.70	6.00	9.70	6.00	9.90	6.30	10.1
115.0	10.3	6.90	10.1	6.90	10.1	6.90	10.3	7.20	10.5
120.0	10.9	7.90	10.5	7.90	10.5	7.80	10.8	8.10	11.1
125.0	11.4	8.90	11.2	8.90	11.2	8.80	11.3	9.09	11.8
130.0	12.1	9.80	11.9	9.90	11.9	9.80	12.0	10.1	12.5
135.0	12.8	10.8	12.6	10.9	12.7	10.7	12.7	11.1	13.2
140.0	13.5	11.7	13.3	11.8	13.4	11.7	13.4	12.0	13.9
145.0	14.3	12.6	14.0	12.7	14.1	12.7	14.2	12.9	14.5
150.0	15.0	13.5	14.8	13.5	14.9	13.5	14.9	13.7	15.2
155.0	15.6	14.3	15.4	14.3	15.6	14.4	15.5	14.5	15.9
160.0	16.3	15.0	16.0	15.2	16.3	15.2	16.2	15.2	16.4
165.0	16.9	15.8	16.6	16.0	16.9	15.9	16.6	15.9	16.9
170.0	17.2	16.4	17.2	16.6	17.4	16.5	17.2	16.4	17.2
175.0	17.6	16.7	17.6	17.2	17.8	16.9	17.5	16.7	17.6
180.0	17.8	17.2	17.8	17.7	17.8	17.2	17.6	17.2	17.7

Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra 1.1% Flicker 37.5 Temp