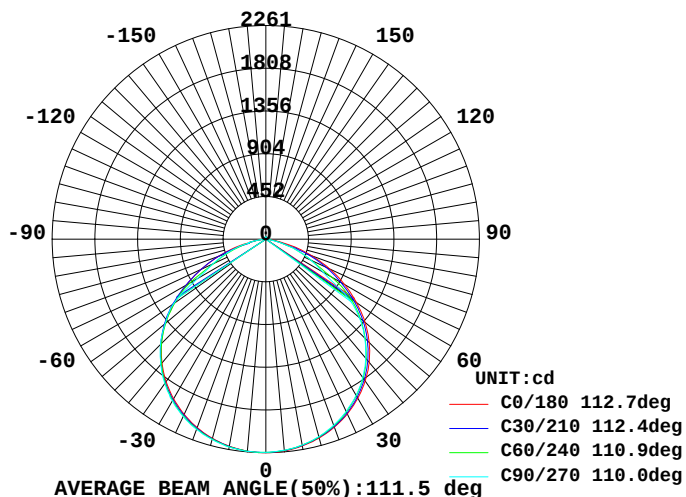


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5141	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2262	Effective Flux(lm):	6172.5
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	75, 2.0	EEI	0.090
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	6172.5	η street_up(%):	0.7	Current(A)	0.191
TEST FLUX(lm):	6172.5	η street_down(%):	50.3	Power(W)	40.59
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.962
TOTAL RADIANT(mw):	6172.5	η house_down(%)	48.3	EEFICIENCY(lm/W)	152.1



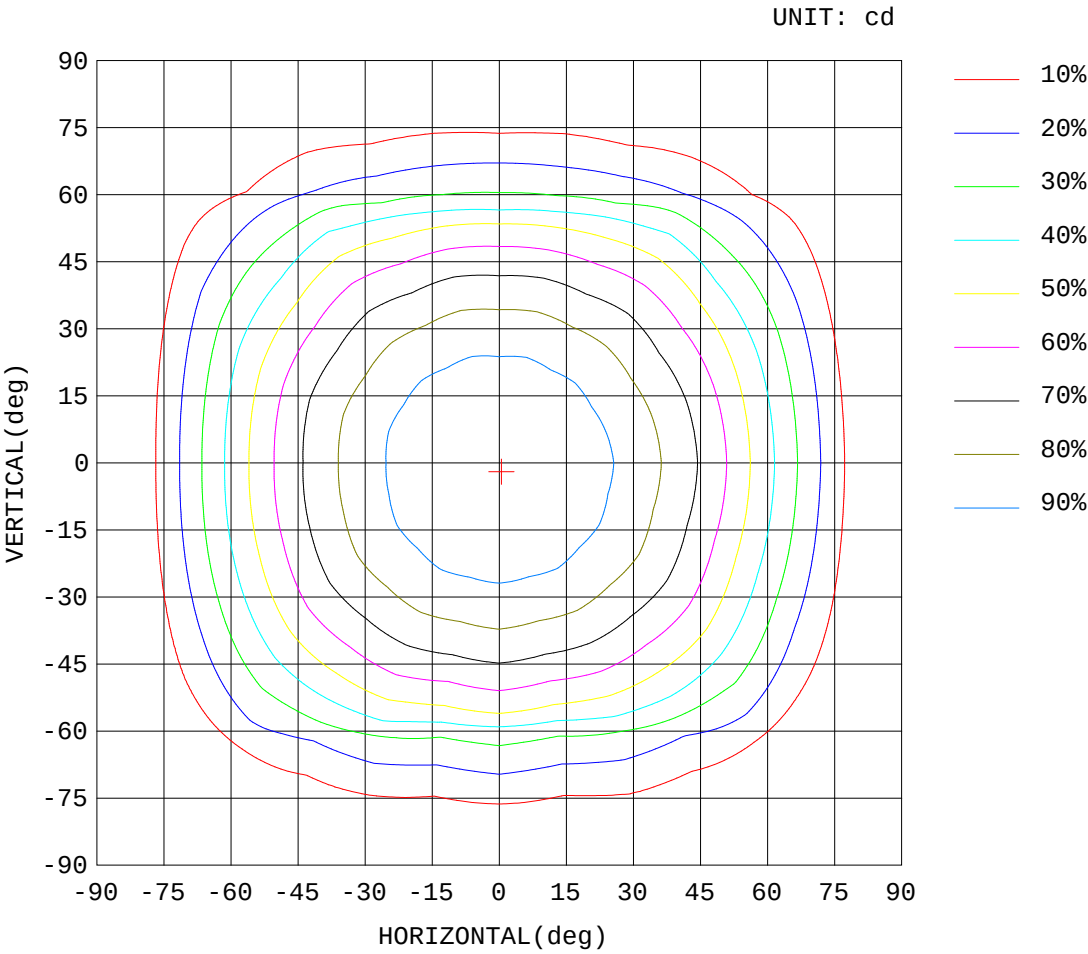
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 05-10-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 93Ra 1.2% Flicker 37.8 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5141	DIMENSION: 525x112	SERIAL No.:



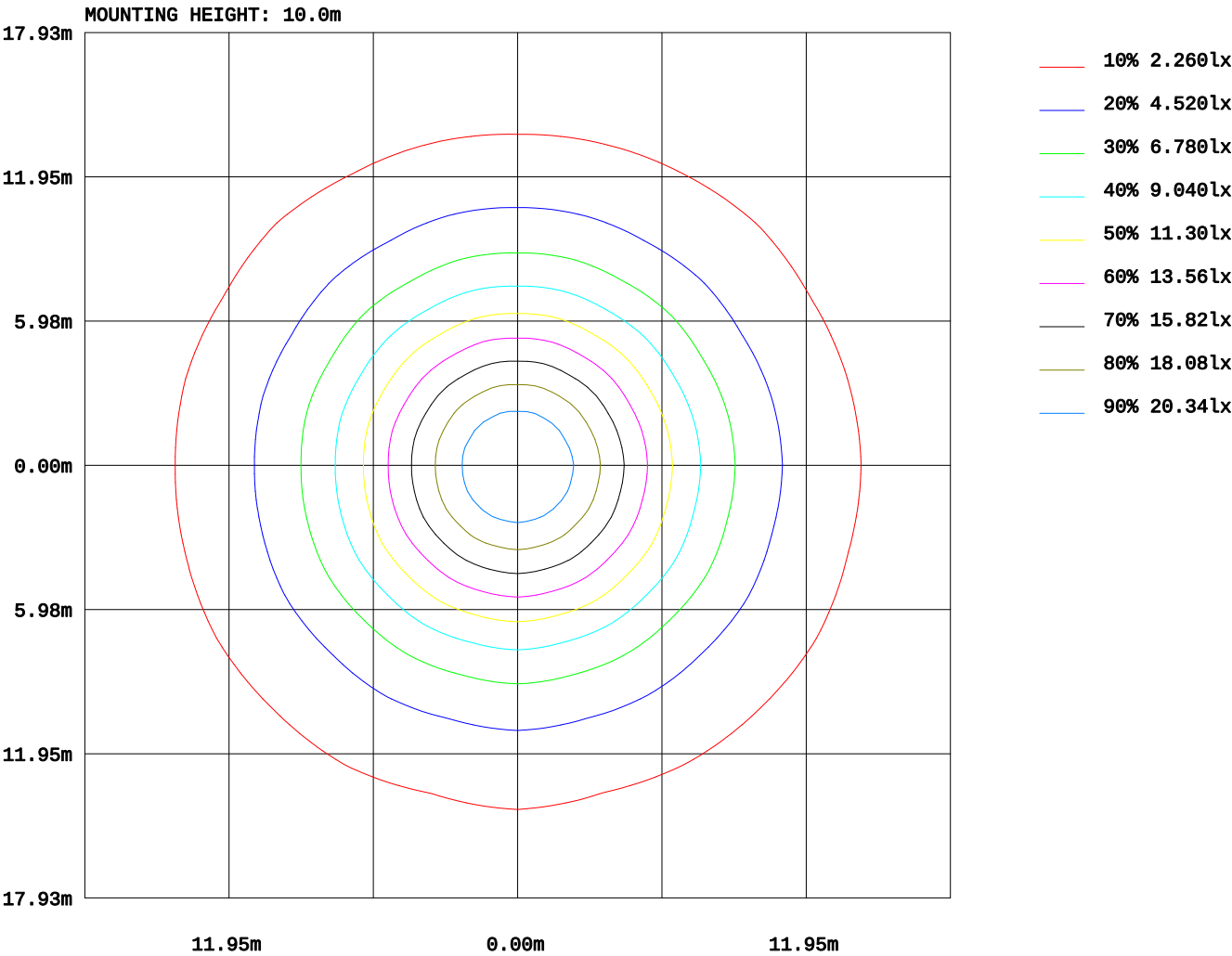
Test System:
Temperature:25.3'C
Operators:
Test Date:05-10-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra 1.2% Flicker 37.8 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5141	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: 93Ra 1.2% Flicker 37.8 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5141	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	2260	2259	2258	2257	2257	2253	2256	2258	2256	2257	2255	2255	2260	2259	2258
5.0	2252	2250	2252	2250	2253	2253	2254	2252	2253	2250	2251	2249	2250	2250	2247
10.0	2226	2222	2228	2226	2233	2228	2233	2232	2233	2226	2230	2222	2222	2224	2217
15.0	2183	2178	2187	2184	2191	2190	2196	2189	2195	2187	2190	2181	2179	2181	2172
20.0	2123	2117	2130	2124	2139	2130	2142	2132	2144	2129	2134	2121	2118	2122	2111
25.0	2046	2040	2055	2049	2064	2056	2070	2061	2069	2056	2062	2046	2042	2047	2033
30.0	1951	1943	1962	1955	1972	1963	1975	1962	1976	1964	1973	1953	1946	1953	1933
35.0	1841	1828	1853	1838	1858	1843	1865	1845	1867	1851	1866	1839	1832	1840	1814
40.0	1711	1697	1723	1705	1720	1702	1732	1708	1733	1722	1739	1712	1703	1712	1680
45.0	1562	1546	1572	1549	1560	1541	1576	1545	1581	1569	1590	1560	1549	1558	1521
50.0	1393	1373	1403	1373	1386	1346	1395	1352	1413	1395	1422	1382	1370	1378	1341
55.0	1183	1168	1204	1183	1176	1131	1193	1143	1211	1204	1223	1189	1174	1181	1140
60.0	970	948	976	960	930	790	832	813	982	982	1006	978	966	970	921
65.0	757	727	756	688	606	557	621	563	651	738	792	762	745	755	701
70.0	534	504	533	400	426	386	440	391	452	431	567	534	519	535	478
75.0	325	315	262	220	258	223	279	228	278	238	305	320	321	321	204
80.0	154	100	130	94.3	137	94.0	148	99.0	150	107	146	123	120	153	81.9
85.0	43.9	19.3	40.5	15.9	31.7	17.4	33.0	17.8	35.7	19.3	48.8	23.7	25.4	40.0	16.7
90.0	13.0	4.20	13.6	4.00	14.0	4.00	16.2	4.60	15.0	4.70	14.9	4.40	4.60	13.5	4.30
95.0	12.0	5.30	11.5	4.90	11.0	4.60	10.9	4.50	11.2	4.90	11.7	5.20	5.70	12.0	5.40
100.0	12.1	6.40	11.5	6.00	11.0	5.60	10.8	5.60	11.1	6.00	11.7	6.40	7.00	12.1	6.60
105.0	12.5	7.80	12.0	7.30	11.4	6.90	11.2	6.90	11.5	7.30	12.1	7.70	8.40	12.6	8.00
110.0	13.2	9.20	12.7	8.60	12.1	8.29	11.9	8.29	12.2	8.70	12.8	9.09	9.90	13.3	9.40
115.0	14.1	10.5	13.5	10.0	13.0	9.70	12.8	9.70	13.0	10.0	13.6	10.5	11.5	14.3	10.8
120.0	15.2	11.9	14.3	11.3	13.9	11.2	13.9	11.1	14.0	11.3	14.4	12.0	13.0	15.2	12.2
125.0	16.2	13.3	15.2	12.7	14.9	12.6	14.9	12.5	15.0	12.7	15.4	13.4	14.5	16.3	13.5
130.0	17.2	14.7	16.3	14.0	15.9	13.9	16.0	13.9	16.0	14.0	16.5	14.8	15.9	17.4	14.9
135.0	18.4	16.1	17.4	15.2	17.0	15.2	17.1	15.2	17.1	15.2	17.6	16.2	17.2	18.5	16.3
140.0	19.4	17.2	18.5	16.5	18.0	16.5	18.0	16.5	18.0	16.6	18.7	17.6	18.5	19.6	17.6
145.0	20.2	18.5	19.5	17.9	19.1	17.9	19.2	17.6	19.1	17.9	19.7	18.7	19.6	20.7	18.7
150.0	21.1	19.6	20.5	19.1	20.2	19.2	20.1	18.9	20.1	19.1	20.7	20.0	20.6	21.6	19.9
155.0	21.9	20.5	21.2	20.2	21.2	20.4	21.1	20.0	21.1	20.2	21.6	21.0	21.5	22.4	20.9
160.0	22.6	21.2	22.1	21.1	22.1	21.4	22.0	20.9	21.9	21.1	22.4	21.9	22.4	23.1	21.6
165.0	23.2	22.1	22.7	22.0	22.9	22.3	22.7	21.6	22.6	21.9	23.1	22.5	23.1	23.6	22.4
170.0	24.0	22.6	23.2	22.6	23.5	22.9	23.7	22.5	23.1	22.5	23.6	23.0	23.8	24.0	22.9
175.0	24.4	23.1	23.8	23.1	23.9	23.2	24.2	23.1	23.7	23.0	23.9	23.2	24.2	24.1	23.1
180.0	24.6	23.6	23.9	23.4	24.0	23.6	24.6	23.6	23.9	23.4	24.0	23.6	24.6	24.1	23.5

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: 93Ra 1.2% Flicker 37.8 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5141	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2257	2257	2253	2256	2258	2256	2257	2255	2255
5.0	2247	2244	2245	2243	2242	2241	2244	2241	2245
10.0	2220	2214	2218	2214	2216	2209	2215	2209	2218
15.0	2178	2169	2175	2166	2170	2163	2170	2163	2171
20.0	2117	2101	2109	2096	2107	2095	2106	2099	2109
25.0	2038	2019	2027	2013	2024	2011	2027	2019	2032
30.0	1938	1916	1926	1909	1923	1906	1925	1916	1935
35.0	1821	1796	1809	1787	1801	1783	1804	1797	1821
40.0	1690	1654	1665	1645	1657	1644	1672	1660	1691
45.0	1535	1488	1499	1482	1490	1480	1518	1502	1540
50.0	1359	1303	1311	1290	1299	1300	1340	1324	1364
55.0	1168	1099	1069	1035	1061	1100	1148	1123	1158
60.0	944	804	716	696	707	798	925	894	940
65.0	659	528	524	523	517	526	634	674	724
70.0	398	362	362	354	355	357	379	453	507
75.0	233	192	181	190	179	185	178	194	298
80.0	115	72.7	94.0	50.1	88.7	65.5	104	73.7	136
85.0	29.1	13.7	26.4	14.8	25.7	12.9	26.4	13.7	34.7
90.0	12.2	4.10	11.5	3.90	11.4	4.10	12.0	4.40	12.7
95.0	11.4	5.00	10.8	4.80	10.8	5.10	11.3	5.40	11.8
100.0	11.5	6.20	11.0	6.10	11.0	6.30	11.5	6.70	12.0
105.0	12.1	7.60	11.5	7.40	11.5	7.70	12.1	8.00	12.5
110.0	12.8	9.09	12.4	9.00	12.4	9.09	12.8	9.40	13.2
115.0	13.7	10.5	13.4	10.4	13.4	10.5	13.7	10.8	14.2
120.0	14.7	11.9	14.5	12.0	14.5	12.0	14.7	12.1	15.0
125.0	15.7	13.3	15.5	13.4	15.5	13.3	15.6	13.5	16.2
130.0	16.7	14.7	16.5	14.8	16.5	14.5	16.6	14.8	17.2
135.0	17.8	15.9	17.7	16.1	17.7	15.9	17.7	16.2	18.4
140.0	18.7	17.1	18.7	17.2	18.7	17.2	18.7	17.5	19.4
145.0	19.9	18.2	19.6	18.4	19.7	18.4	19.7	18.6	20.2
150.0	20.8	19.5	20.7	19.6	20.9	19.6	20.8	19.6	21.1
155.0	21.6	20.5	21.5	20.5	21.9	20.6	21.6	20.6	21.9
160.0	22.4	21.2	22.3	21.5	22.7	21.5	22.3	21.4	22.5
165.0	23.0	22.1	22.9	22.4	23.4	22.3	23.0	22.1	23.1
170.0	23.5	22.7	23.4	23.1	23.8	22.9	23.5	22.7	23.6
175.0	23.8	23.1	23.8	23.6	24.1	23.1	23.9	23.1	23.9
180.0	23.9	23.5	24.1	24.1	24.1	23.4	23.9	23.4	24.1

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: 93Ra 1.2% Flicker 37.8 Temp