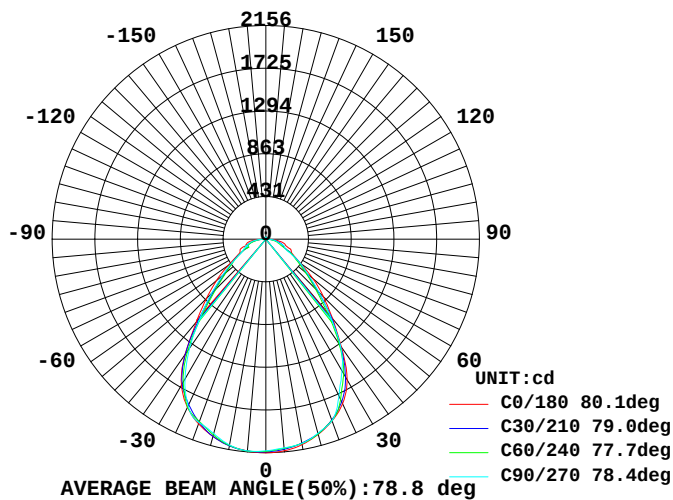


STREETLIGHT PHOTOMETRIC TEST REPORT

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):	2156	Effective Flux(lm):	3936.6
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	0, 0.0	EEI	0.142
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	3936.6	η street_up(%):	0.8	Current(A)	0.192
TEST FLUX(lm):	3936.6	η street_down(%):	49.5	Power(W)	40.93
LAMPS QUANTITY:	1	η house_up(%)	0.8	Power Factor	0.962
TOTAL RADIANT(mw):	3936.6	η house_down(%)	49.0	EEFICIENCY(lm/W)	96.2



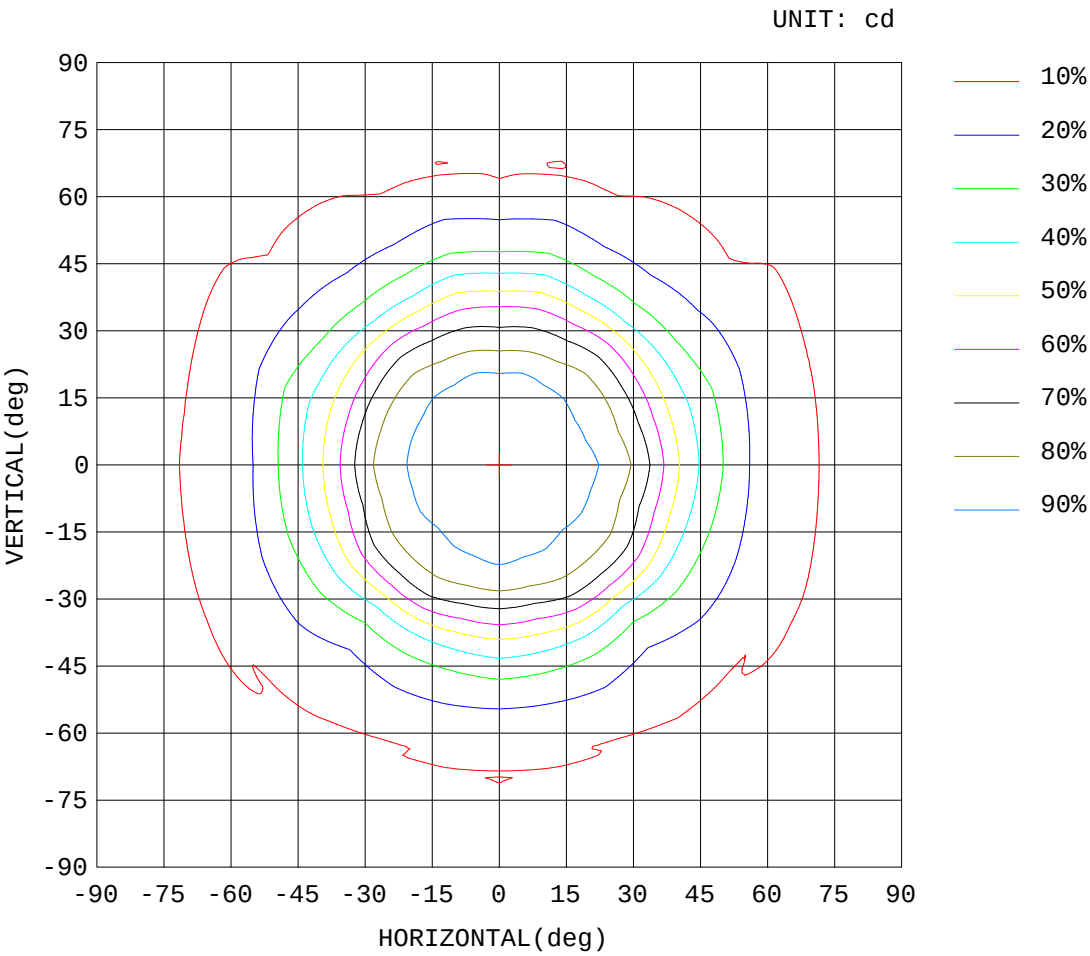
Test System:
 Temperature:25.3'C
 Operators:
 Test Date:04-11-2023

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



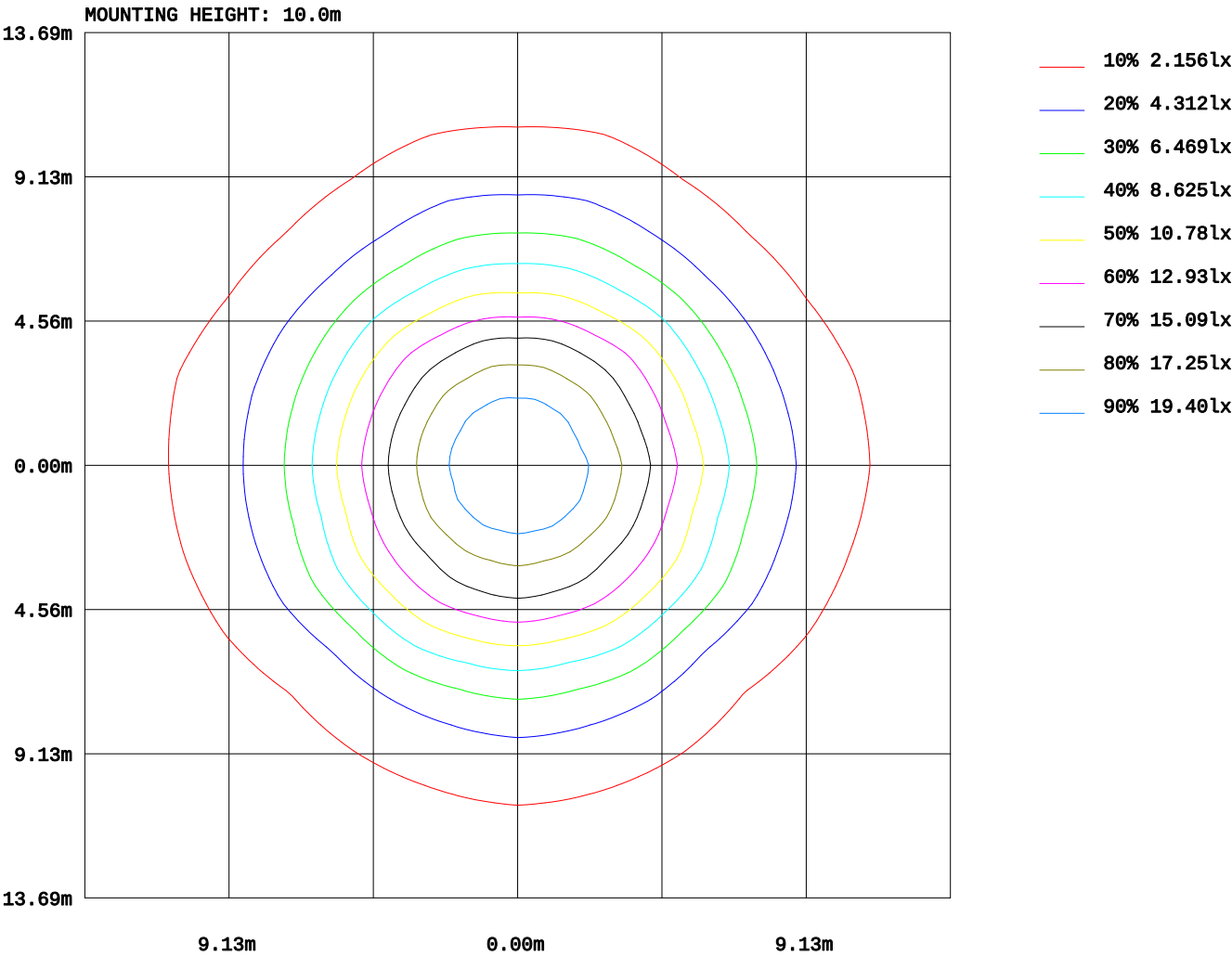
Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

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:04-11-2023

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	2156	2152	2148	2145	2142	2140	2137	2137	2134	2134	2133	2132	2156	2152	2148
5.0	2147	2141	2147	2143	2147	2144	2146	2141	2141	2134	2133	2125	2145	2139	2129
10.0	2116	2111	2120	2112	2115	2106	2111	2103	2110	2103	2105	2093	2106	2102	2091
15.0	2063	2054	2062	2044	2046	2027	2033	2024	2039	2034	2046	2031	2041	2038	2035
20.0	1985	1965	1968	1944	1961	1955	1971	1952	1951	1930	1951	1942	1953	1948	1943
25.0	1873	1835	1843	1844	1872	1846	1859	1844	1864	1829	1820	1810	1834	1816	1814
30.0	1703	1636	1688	1661	1668	1619	1632	1622	1660	1636	1656	1599	1643	1614	1611
35.0	1426	1358	1419	1364	1378	1314	1345	1311	1363	1334	1374	1303	1330	1310	1312
40.0	1095	1051	1046	939	1007	1006	1030	989	967	931	1042	1040	1051	1050	1029
45.0	849	792	746	641	713	743	779	725	695	649	757	799	824	832	745
50.0	651	604	545	452	526	552	574	548	518	463	565	617	621	656	541
55.0	466	458	416	339	406	410	418	415	403	349	425	455	432	479	418
60.0	333	328	309	285	306	297	301	302	309	289	307	334	319	354	302
65.0	289	271	190	216	191	239	248	237	191	216	236	277	284	294	215
70.0	260	216	198	162	192	198	220	200	185	166	209	215	233	235	183
75.0	205	169	172	126	161	153	178	154	154	127	177	181	202	199	148
80.0	182	138	127	84.4	116	113	144	111	115	81.5	134	142	157	164	100
85.0	111	63.7	65.3	32.7	59.6	48.2	81.5	46.7	58.9	34.5	69.1	66.3	78.0	96.1	43.5
90.0	13.0	3.00	10.9	2.80	10.1	2.80	10.8	2.80	10.2	2.80	11.4	2.90	3.30	13.3	2.90
95.0	9.90	3.40	8.90	3.10	8.70	3.10	9.00	3.10	8.60	3.10	9.00	3.30	3.70	9.60	3.20
100.0	9.20	3.90	8.40	3.60	8.20	3.50	8.40	3.50	8.10	3.50	8.50	3.80	4.30	9.00	3.70
105.0	9.00	4.50	8.29	4.20	8.00	4.10	8.29	4.10	8.00	4.10	8.29	4.40	5.00	8.80	4.40
110.0	9.00	5.20	8.40	5.00	8.20	4.90	8.40	4.90	8.20	5.00	8.50	5.20	5.90	8.90	5.20
115.0	9.50	6.20	8.80	5.90	8.60	5.80	8.80	5.80	8.60	5.90	8.90	6.20	6.90	9.40	6.20
120.0	10.1	7.20	9.50	7.00	9.30	6.90	9.50	6.90	9.30	7.10	9.60	7.40	8.10	10.2	7.40
125.0	10.9	8.50	10.4	8.20	10.1	8.20	10.3	8.20	10.2	8.29	10.5	8.60	9.50	11.1	8.70
130.0	11.9	9.80	11.3	9.50	11.2	9.50	11.3	9.50	11.2	9.60	11.5	9.90	10.9	12.1	10.1
135.0	12.9	11.1	12.4	10.8	12.2	10.8	12.4	10.8	12.3	10.9	12.6	11.2	12.2	13.2	11.4
140.0	14.0	12.4	13.4	12.1	13.3	12.1	13.5	12.1	13.3	12.2	13.6	12.6	13.6	14.4	12.7
145.0	15.0	13.6	14.4	13.3	14.3	13.4	14.5	13.3	14.3	13.4	14.7	13.9	14.9	15.5	14.0
150.0	16.1	14.9	15.5	14.5	15.5	14.7	15.6	14.5	15.4	14.5	15.8	15.2	16.1	16.5	15.2
155.0	17.1	16.1	16.5	15.8	16.5	16.0	16.5	15.7	16.5	15.9	16.9	16.5	17.2	17.8	16.5
160.0	18.1	17.2	17.8	17.1	17.7	17.2	17.7	16.9	17.5	17.1	18.0	17.7	18.6	18.7	17.7
165.0	19.4	18.5	18.9	18.4	18.9	18.6	19.0	18.1	18.7	18.4	19.2	18.9	19.7	19.9	18.9
170.0	20.5	19.5	19.9	19.4	20.0	19.6	20.2	19.3	19.7	19.4	20.1	19.7	20.8	20.7	19.7
175.0	21.2	20.2	20.6	20.2	20.8	20.4	21.1	20.2	20.6	20.1	20.7	20.4	21.5	21.1	20.4
180.0	21.6	20.9	21.0	20.7	21.1	20.8	21.6	20.8	20.9	20.5	20.9	20.6	21.9	21.1	20.7

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 1.2% 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	2145	2142	2140	2137	2137	2134	2134	2133	2132
5.0	2127	2120	2121	2115	2117	2112	2114	2112	2117
10.0	2100	2095	2103	2094	2100	2088	2090	2077	2085
15.0	2051	2038	2045	2030	2038	2028	2039	2022	2028
20.0	1959	1949	1968	1951	1965	1946	1950	1931	1942
25.0	1835	1789	1782	1747	1780	1790	1840	1811	1814
30.0	1614	1574	1574	1538	1568	1569	1617	1625	1624
35.0	1329	1290	1327	1314	1335	1303	1347	1332	1345
40.0	971	970	1046	1012	1048	988	976	1017	1048
45.0	688	709	783	760	787	706	679	733	819
50.0	502	524	587	559	587	513	492	530	641
55.0	382	391	453	427	450	380	372	412	482
60.0	311	304	315	289	307	293	303	300	345
65.0	249	198	241	209	235	194	246	207	288
70.0	188	150	205	193	205	149	180	176	240
75.0	139	118	155	133	152	115	134	144	192
80.0	94.1	80.6	114	103	116	79.9	92.7	97.1	160
85.0	49.9	33.7	72.0	57.9	71.9	33.0	48.2	43.2	94.0
90.0	10.5	2.80	11.3	2.80	11.1	2.80	10.1	2.80	12.9
95.0	8.50	3.10	8.90	3.20	8.90	3.10	8.40	3.20	9.50
100.0	8.10	3.60	8.29	3.70	8.40	3.50	8.00	3.70	8.90
105.0	8.00	4.10	8.20	4.30	8.20	4.10	7.90	4.30	8.70
110.0	8.20	4.90	8.29	5.00	8.29	4.90	8.10	5.10	8.80
115.0	8.80	5.90	8.70	5.90	8.70	5.80	8.60	6.00	9.20
120.0	9.50	7.10	9.40	7.10	9.40	7.00	9.30	7.20	9.90
125.0	10.5	8.40	10.4	8.40	10.3	8.29	10.3	8.50	10.7
130.0	11.5	9.70	11.4	9.80	11.4	9.60	11.3	9.80	11.8
135.0	12.7	11.1	12.6	11.2	12.5	11.0	12.4	11.1	12.8
140.0	13.7	12.4	13.6	12.5	13.6	12.3	13.5	12.3	13.9
145.0	14.8	13.6	14.7	13.7	14.7	13.5	14.5	13.5	14.9
150.0	15.9	14.8	15.8	14.9	15.8	14.7	15.6	14.8	16.0
155.0	16.9	16.0	16.7	16.0	16.9	16.0	16.6	16.0	17.0
160.0	18.0	17.2	17.8	17.2	18.0	17.2	17.8	17.2	18.0
165.0	19.2	18.5	19.0	18.7	19.3	18.5	18.9	18.4	19.1
170.0	20.1	19.5	20.0	19.9	20.2	19.6	19.9	19.4	20.0
175.0	20.8	20.2	20.8	20.7	20.9	20.2	20.6	20.1	20.7
180.0	21.0	20.7	21.1	21.1	21.1	20.6	20.9	20.5	21.1

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 1.2% Flicker 37.8 Temp