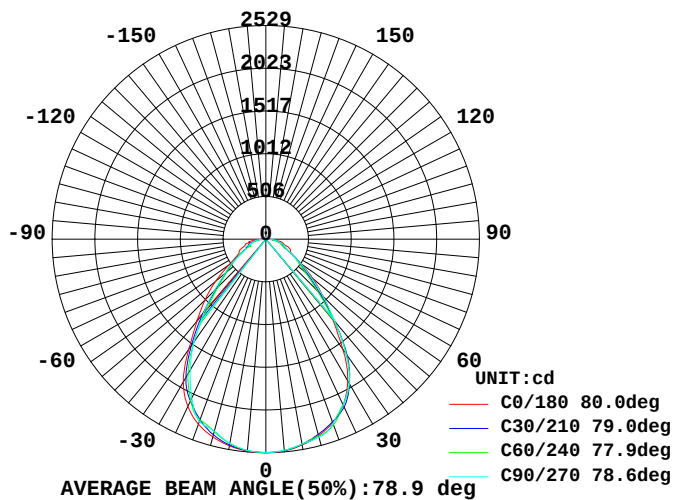


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4966	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2529	Effective Flux(lm):	4629.4
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	0, 0.0	EEI	0.119
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	4629.4	η street_up(%):	0.8	Current(A)	0.191
TEST FLUX(lm):	4629.4	η street_down(%):	47.8	Power(W)	40.54
LAMPS QUANTITY:	1	η house_up(%)	0.8	Power Factor	0.962
TOTAL RADIANT(mw):	4629.4	η house_down(%)	50.7	EEFICIENCY(lm/W)	114.2



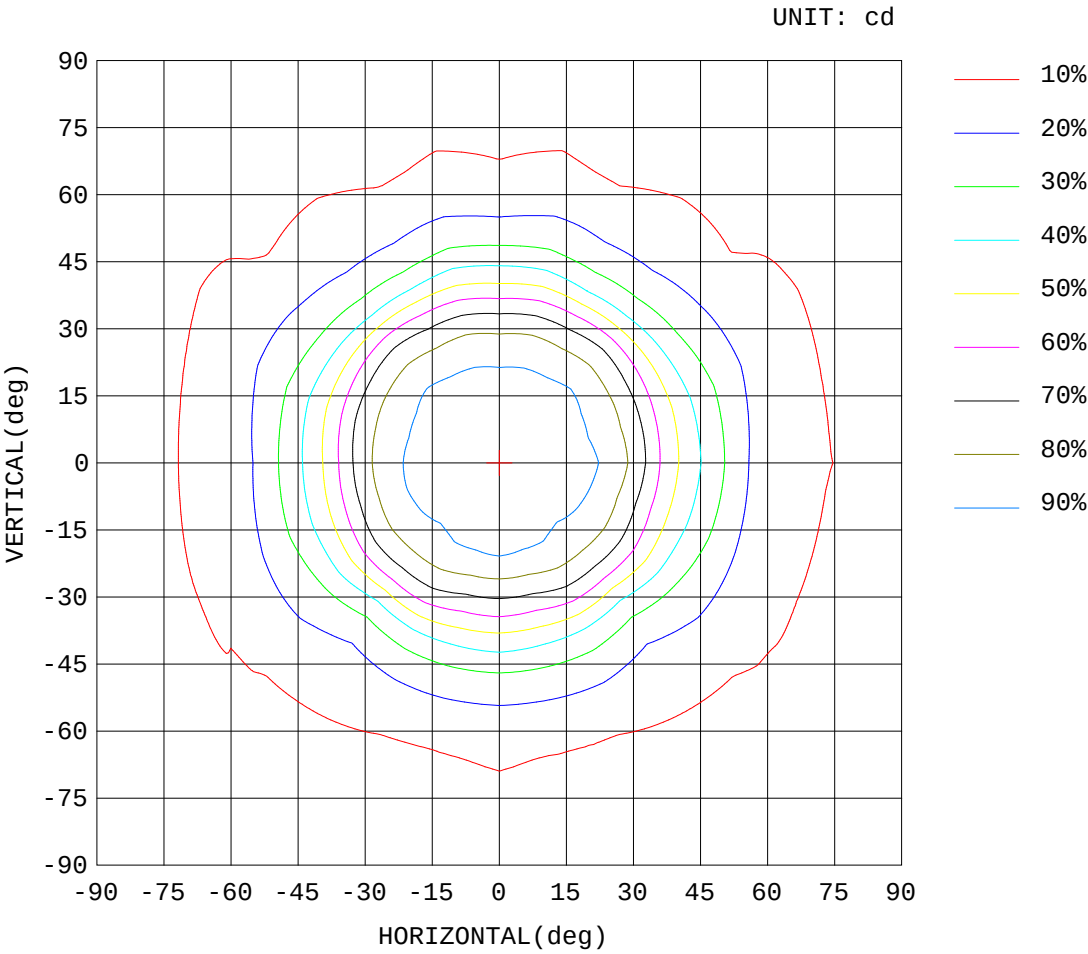
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 83Ra 1.2% Flicker 38.4 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4966	DIMENSION: 525x112	SERIAL No.:



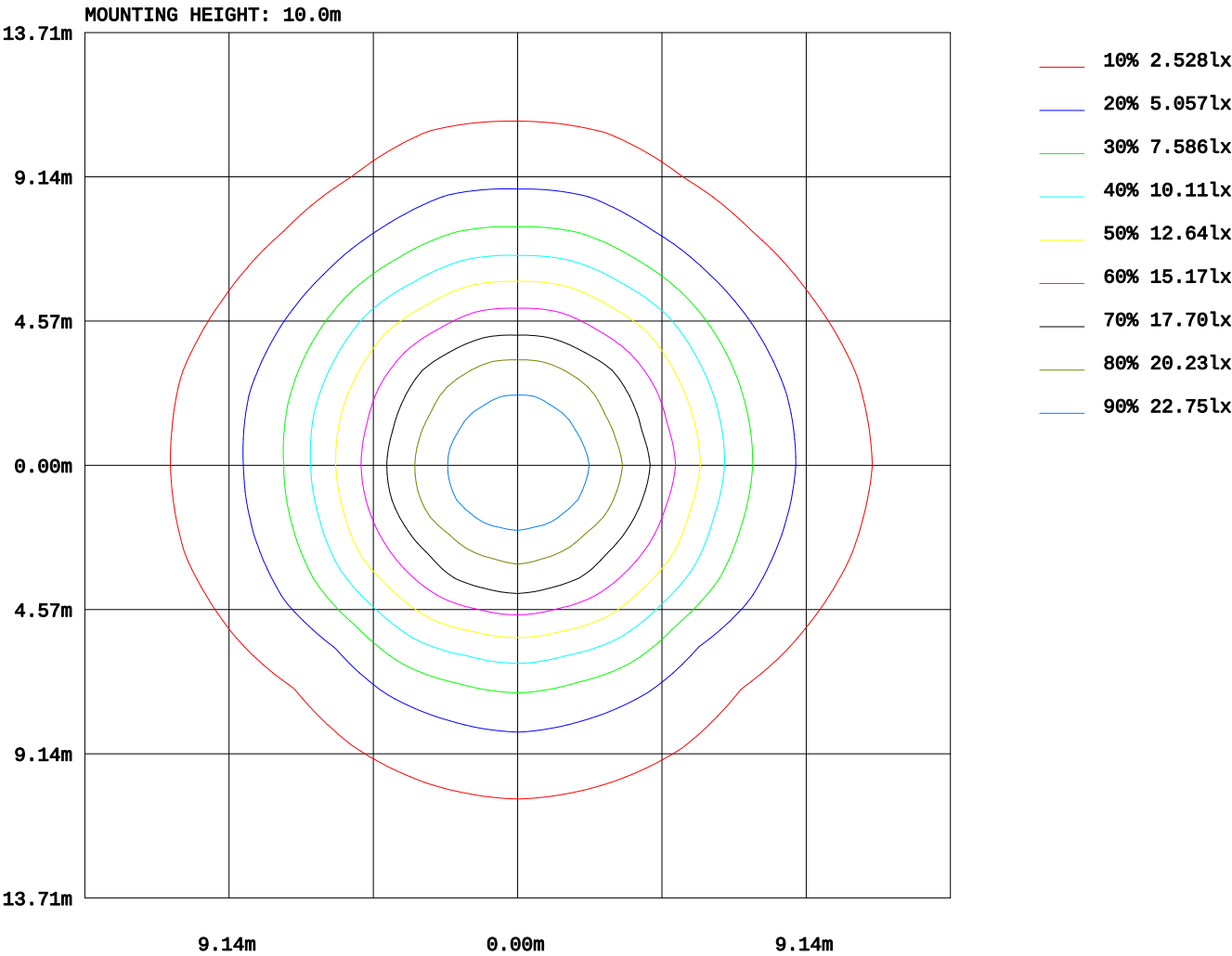
Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra 1.2% Flicker 38.4 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4966	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: 83Ra 1.2% Flicker 38.4 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:															
Address:															
NAME: Element 0.5x1 Advanced 5000K 82Ra Microprism								TYPE:				WEIGHT:			
SPECIFICATION:				CCT(K): 4966				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	2529	2527	2526	2524	2526	2525	2524	2522	2523	2524	2524	2523	2529	2527	2526
5.0	2519	2513	2515	2507	2511	2504	2510	2503	2512	2509	2514	2511	2515	2517	2513
10.0	2485	2476	2474	2457	2458	2448	2454	2447	2461	2463	2479	2475	2474	2476	2465
15.0	2424	2408	2397	2362	2359	2340	2355	2342	2364	2375	2410	2414	2410	2406	2394
20.0	2334	2303	2277	2239	2277	2278	2300	2280	2280	2244	2290	2313	2313	2299	2304
25.0	2186	2135	2115	2109	2109	2064	2079	2073	2129	2128	2126	2154	2166	2155	2195
30.0	1953	1882	1892	1842	1843	1777	1790	1784	1860	1862	1926	1913	1942	1964	1983
35.0	1593	1531	1541	1452	1492	1439	1480	1451	1519	1497	1582	1570	1588	1649	1677
40.0	1272	1218	1172	1016	1089	1110	1151	1121	1112	1033	1188	1217	1234	1279	1262
45.0	1018	946	832	719	801	827	861	831	792	716	844	936	964	981	905
50.0	781	720	617	518	602	625	638	620	585	512	620	720	729	750	651
55.0	537	518	480	395	458	466	479	463	442	390	486	529	509	577	494
60.0	396	386	350	333	349	315	316	309	342	327	355	379	366	413	359
65.0	348	317	261	252	241	268	266	256	240	250	259	320	321	336	248
70.0	295	245	223	181	198	205	239	202	194	177	225	253	285	284	215
75.0	252	204	193	133	160	153	174	151	154	133	194	203	219	200	186
80.0	209	160	138	81.5	112	107	140	107	110	80.5	144	163	181	193	132
85.0	130	73.4	67.5	29.1	53.2	39.7	73.5	38.6	52.2	30.1	71.8	75.7	92.4	121	61.9
90.0	14.4	3.30	11.0	3.10	10.2	3.20	10.5	3.20	10.1	3.10	11.1	3.30	3.60	15.8	3.40
95.0	10.7	3.70	9.50	3.50	9.09	3.60	9.50	3.60	9.09	3.50	9.60	3.80	4.20	10.4	3.60
100.0	10.0	4.30	9.00	4.10	8.70	4.10	9.00	4.10	8.70	4.10	9.09	4.30	4.80	9.80	4.20
105.0	9.70	5.10	9.00	4.80	8.60	4.90	9.00	4.90	8.60	4.80	9.00	5.10	5.70	9.60	4.90
110.0	9.90	6.00	9.20	5.70	8.90	5.80	9.20	5.80	9.00	5.80	9.30	6.10	6.60	9.80	5.80
115.0	10.4	7.10	9.90	6.90	9.60	7.00	9.80	6.90	9.60	7.00	9.90	7.20	7.80	10.4	6.90
120.0	11.3	8.40	10.8	8.29	10.5	8.29	10.8	8.29	10.5	8.29	10.8	8.50	9.30	11.2	8.29
125.0	12.3	10.0	11.9	9.80	11.7	9.80	11.9	9.80	11.7	9.80	11.9	10.0	10.8	12.3	9.80
130.0	13.5	11.4	13.0	11.4	13.0	11.4	13.2	11.4	13.0	11.4	13.2	11.5	12.4	13.5	11.3
135.0	14.8	13.0	14.3	12.9	14.3	13.0	14.5	12.9	14.3	12.9	14.4	13.0	14.0	14.9	12.9
140.0	16.0	14.5	15.6	14.3	15.5	14.5	15.8	14.4	15.5	14.3	15.7	14.5	15.6	16.2	14.5
145.0	17.2	16.0	16.7	15.7	16.7	16.0	17.0	15.8	16.6	15.8	17.0	16.2	17.1	17.5	16.0
150.0	18.6	17.5	18.0	17.2	18.0	17.5	18.1	17.2	18.0	17.2	18.2	17.7	18.5	18.9	17.5
155.0	19.7	18.9	19.4	18.7	19.4	19.0	19.4	18.6	19.2	18.7	19.6	19.3	19.9	20.2	19.0
160.0	21.1	20.4	20.8	20.2	20.9	20.6	20.8	20.1	20.5	20.1	21.0	20.7	21.4	21.6	20.4
165.0	22.5	21.6	22.1	21.6	22.3	22.1	22.3	21.5	21.9	21.6	22.3	22.1	22.9	22.7	21.7
170.0	23.8	22.9	23.2	23.0	23.6	23.2	23.7	22.7	23.1	22.7	23.4	23.1	24.1	23.8	22.9
175.0	24.7	23.8	24.2	23.8	24.2	24.0	24.7	23.6	24.0	23.5	24.2	23.7	24.9	24.4	23.7
180.0	25.2	24.2	24.5	24.1	24.5	24.2	25.0	24.2	24.2	23.9	24.2	24.1	25.2	24.6	24.2

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: 83Ra 1.2% Flicker 38.4 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 82Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4966	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2524	2526	2525	2524	2522	2523	2524	2524	2523
5.0	2515	2511	2513	2507	2514	2508	2512	2509	2512
10.0	2473	2464	2472	2463	2472	2462	2470	2461	2475
15.0	2411	2415	2437	2429	2436	2414	2410	2389	2400
20.0	2347	2340	2344	2323	2339	2332	2344	2299	2292
25.0	2210	2170	2184	2163	2179	2160	2198	2183	2142
30.0	2011	1979	2000	1973	1995	1973	1998	1952	1941
35.0	1711	1664	1690	1648	1682	1648	1676	1634	1603
40.0	1242	1255	1312	1272	1296	1216	1213	1247	1279
45.0	842	864	975	960	954	852	841	904	992
50.0	595	610	714	690	706	614	604	663	768
55.0	435	459	539	505	544	467	446	496	575
60.0	354	356	388	354	392	360	362	351	420
65.0	289	251	300	273	301	256	288	254	344
70.0	209	198	257	241	258	197	205	222	278
75.0	172	164	207	192	210	162	173	183	196
80.0	130	118	163	150	166	120	126	131	196
85.0	71.2	57.5	106	89.0	106	57.9	70.9	61.0	120
90.0	14.4	3.90	20.9	4.80	21.0	3.70	14.5	3.40	16.5
95.0	9.30	3.30	9.80	3.30	9.80	3.30	9.20	3.40	10.3
100.0	8.80	3.80	9.09	3.90	9.09	3.80	8.70	4.00	9.70
105.0	8.70	4.50	8.90	4.60	8.90	4.50	8.60	4.70	9.50
110.0	8.90	5.40	9.00	5.40	9.00	5.30	8.80	5.60	9.60
115.0	9.40	6.40	9.50	6.50	9.50	6.40	9.40	6.70	10.1
120.0	10.3	7.80	10.3	7.80	10.3	7.70	10.2	8.10	11.0
125.0	11.4	9.30	11.3	9.30	11.3	9.20	11.4	9.60	12.1
130.0	12.7	10.8	12.5	10.8	12.5	10.8	12.6	11.1	13.3
135.0	14.0	12.4	13.9	12.4	13.7	12.4	14.0	12.7	14.5
140.0	15.2	13.9	15.2	14.0	15.2	13.9	15.2	14.2	15.9
145.0	16.5	15.4	16.5	15.5	16.5	15.4	16.5	15.7	17.2
150.0	17.9	16.9	17.8	16.9	17.9	16.9	17.7	17.1	18.5
155.0	19.2	18.2	19.1	18.4	19.2	18.4	19.1	18.5	19.6
160.0	20.6	19.7	20.2	19.7	20.6	19.7	20.4	19.9	20.9
165.0	21.9	21.1	21.6	21.4	22.1	21.4	21.7	21.2	22.1
170.0	23.0	22.5	22.9	23.0	23.2	22.7	23.0	22.5	23.1
175.0	23.9	23.5	23.9	24.0	24.2	23.5	23.8	23.4	24.0
180.0	24.4	24.1	24.6	24.7	24.5	24.0	24.2	23.9	24.5

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: 83Ra 1.2% Flicker 38.4 Temp