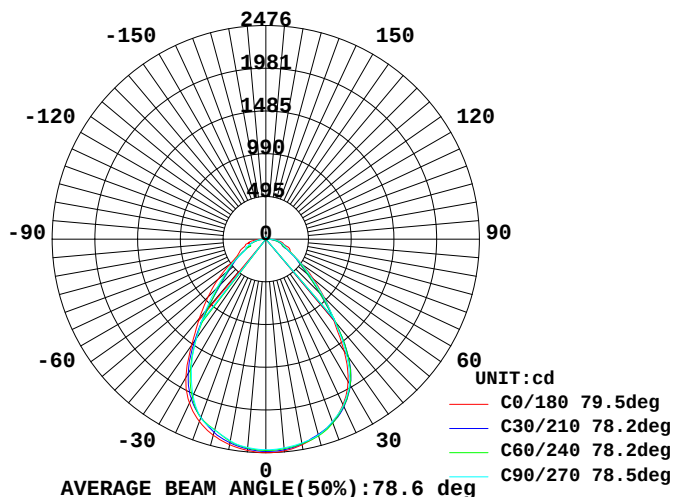


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 80Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4116	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2476	Effective Flux(lm):	4469.8
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	180, 1.0	EEI	0.124
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	4469.8	η street_up(%):	0.8	Current(A)	0.191
TEST FLUX(lm):	4469.8	η street_down(%):	47.1	Power(W)	40.70
LAMPS QUANTITY:	1	η house_up(%)	0.8	Power Factor	0.962
TOTAL RADIANT(mw):	4469.8	η house_down(%):	51.3	EEFICIENCY(lm/W)	109.8



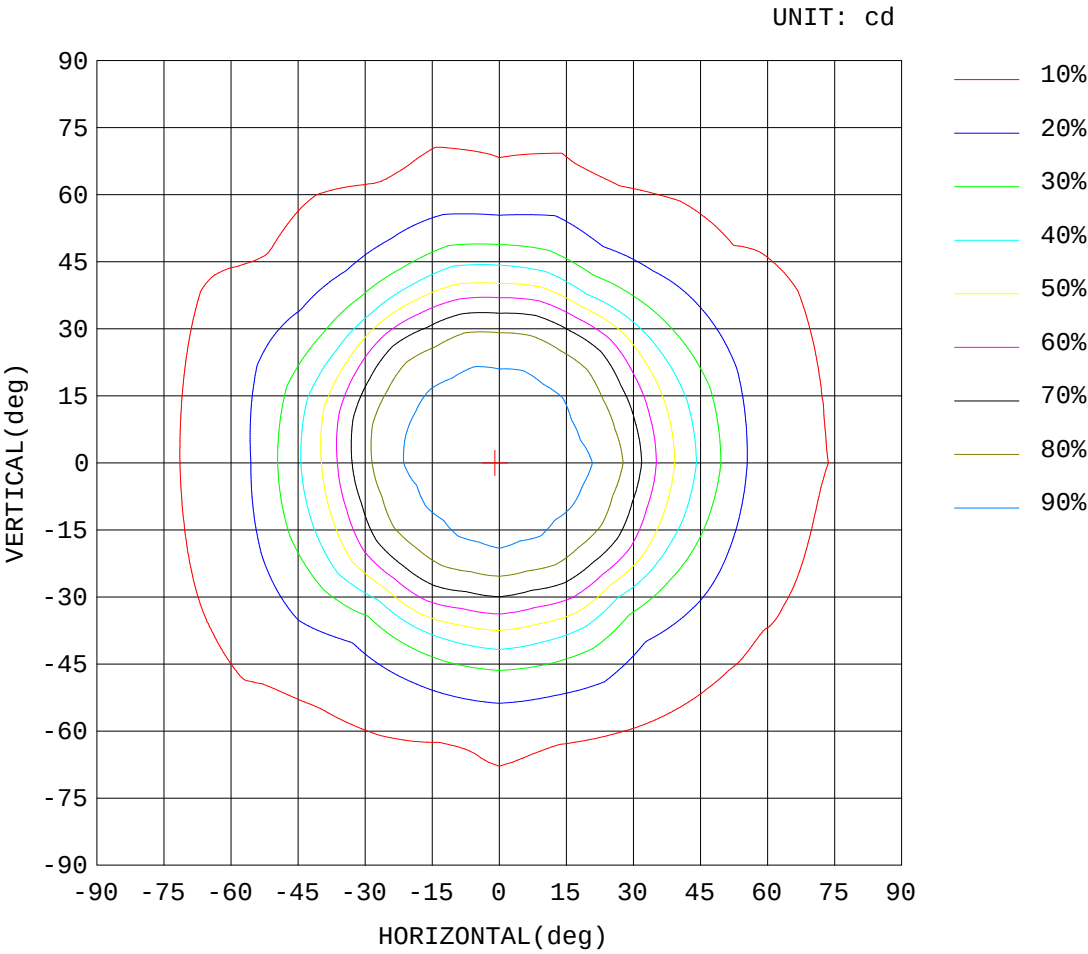
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 83Ra 1.1% Flicker 40.7 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 80Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4116	DIMENSION: 525x112	SERIAL No.:



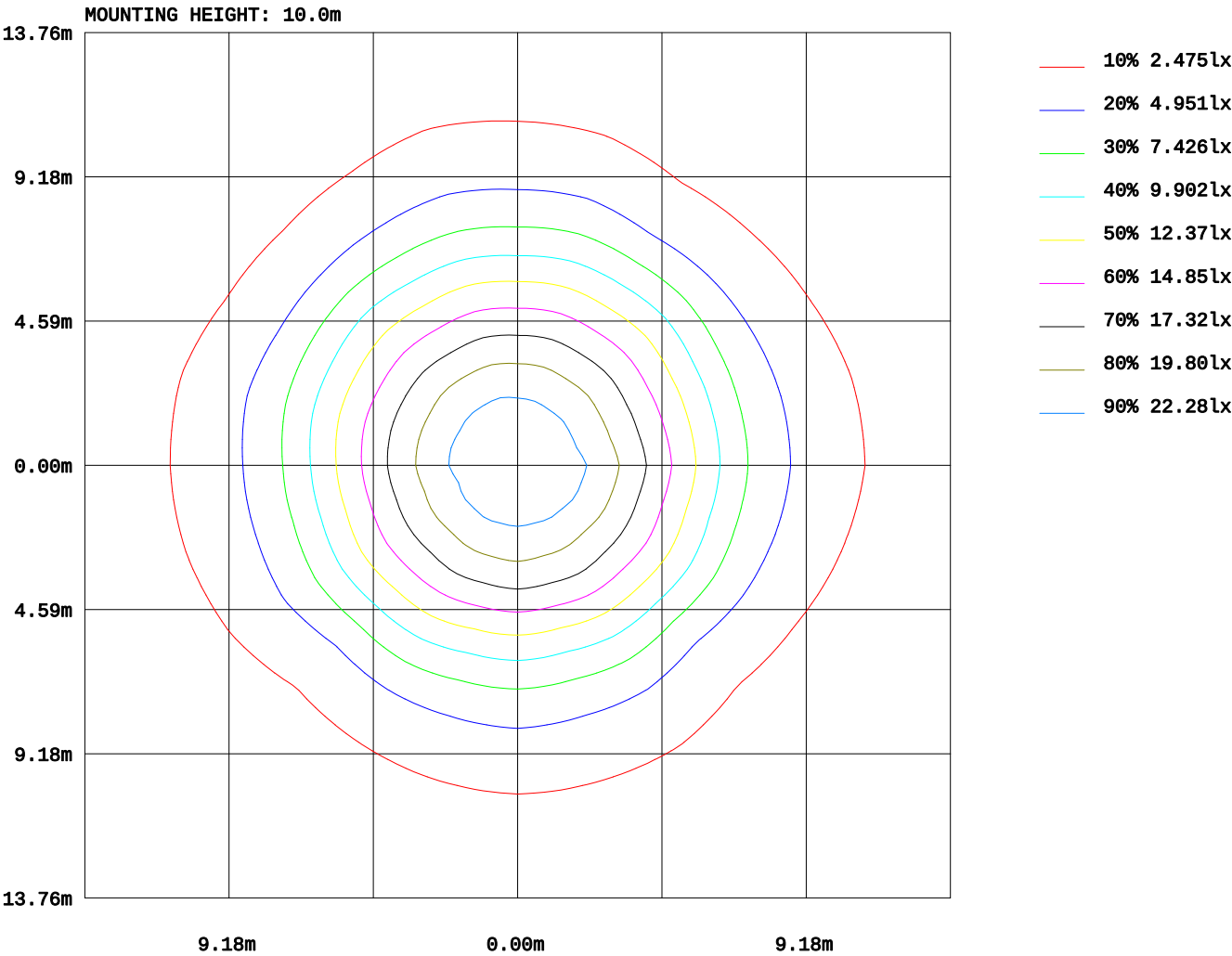
Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra 1.1% Flicker 40.7 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 80Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4116	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 1.1% Flicker 40.7 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 80Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4116	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	2476	2467	2460	2454	2450	2445	2440	2434	2431	2427	2424	2422	2476	2467	2460
5.0	2458	2444	2440	2430	2432	2423	2425	2417	2421	2415	2417	2412	2465	2460	2451
10.0	2418	2399	2396	2378	2379	2366	2373	2364	2376	2370	2379	2369	2420	2419	2410
15.0	2354	2326	2319	2283	2290	2276	2294	2284	2298	2284	2309	2303	2352	2353	2344
20.0	2250	2209	2199	2181	2202	2182	2203	2185	2200	2180	2205	2210	2261	2265	2266
25.0	2094	2034	2044	2011	2018	1976	1998	1986	2026	2034	2068	2065	2117	2141	2145
30.0	1857	1787	1803	1746	1752	1692	1731	1711	1788	1793	1862	1847	1903	1959	1957
35.0	1494	1443	1438	1356	1406	1368	1401	1388	1446	1438	1530	1527	1583	1658	1675
40.0	1201	1132	1058	938	1044	1046	1094	1052	1037	989	1170	1179	1225	1286	1249
45.0	950	863	745	676	772	789	815	781	738	694	855	917	956	978	876
50.0	723	639	551	491	579	594	602	579	539	498	621	708	725	734	629
55.0	512	461	432	373	449	429	456	431	409	380	486	526	516	567	464
60.0	381	348	322	318	320	289	300	297	333	311	354	366	361	408	353
65.0	333	282	241	222	234	243	257	236	235	229	264	307	310	321	245
70.0	272	220	210	161	205	191	189	191	176	171	195	249	280	269	200
75.0	242	181	167	120	156	147	166	137	139	132	189	206	211	211	172
80.0	195	138	111	70.7	104	101	131	91.1	97.2	79.0	146	160	177	181	125
85.0	113	47.2	48.4	17.2	45.2	30.0	63.8	27.2	41.6	26.1	80.0	77.6	86.1	121	64.4
90.0	13.4	3.20	10.4	3.10	10.2	3.10	10.5	3.00	9.90	3.00	11.9	3.10	3.60	24.4	5.20
95.0	10.5	3.70	9.30	3.50	9.20	3.60	9.60	3.50	9.00	3.40	9.80	3.60	4.00	10.5	3.40
100.0	10.0	4.20	8.90	4.10	8.80	4.20	9.09	4.00	8.60	4.00	9.30	4.20	4.60	9.70	3.90
105.0	9.70	5.00	8.80	4.80	8.70	4.90	9.00	4.70	8.50	4.70	9.09	4.90	5.40	9.40	4.60
110.0	9.90	5.90	9.09	5.70	9.00	5.80	9.20	5.70	8.80	5.60	9.30	5.80	6.30	9.60	5.40
115.0	10.4	7.00	9.70	6.90	9.60	6.90	9.80	6.80	9.40	6.70	9.70	6.80	7.50	10.0	6.50
120.0	11.2	8.40	10.7	8.29	10.5	8.29	10.7	8.10	10.3	8.00	10.5	8.10	8.80	10.8	7.80
125.0	12.2	9.80	11.8	9.80	11.7	9.70	11.8	9.60	11.4	9.50	11.5	9.50	10.3	11.8	9.20
130.0	13.4	11.4	13.0	11.3	12.9	11.3	13.0	11.1	12.7	11.0	12.7	11.0	11.9	13.0	10.8
135.0	14.5	12.8	14.2	12.7	14.2	12.8	14.2	12.5	13.9	12.4	13.9	12.5	13.4	14.3	12.4
140.0	15.9	14.3	15.4	14.2	15.4	14.3	15.5	14.0	15.0	13.7	15.2	14.1	15.0	15.6	13.7
145.0	17.2	15.8	16.5	15.6	16.5	15.7	16.5	15.2	16.2	15.2	16.5	15.6	16.5	16.9	15.2
150.0	18.4	17.2	17.8	16.9	17.8	17.1	17.8	16.5	17.4	16.5	17.8	17.0	18.0	18.2	16.7
155.0	19.6	18.7	19.1	18.4	19.1	18.6	18.9	18.0	18.6	18.0	19.0	18.5	19.5	19.5	18.1
160.0	20.8	20.0	20.4	19.7	20.5	20.1	20.2	19.4	19.9	19.4	20.2	19.9	21.0	20.8	19.6
165.0	22.1	21.2	21.6	21.1	21.7	21.6	21.5	20.8	21.1	20.8	21.5	21.2	22.4	22.0	20.9
170.0	23.1	22.4	22.7	22.4	23.0	22.7	22.7	22.0	22.3	21.9	22.6	22.3	23.5	23.0	22.0
175.0	24.1	23.1	23.5	23.0	23.6	23.2	23.7	22.7	23.1	22.6	23.1	22.9	24.2	23.7	22.9
180.0	24.5	23.6	23.7	23.2	23.7	23.4	24.1	23.1	23.4	23.0	23.4	23.1	24.6	24.0	23.4

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 1.1% Flicker 40.7 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 4000K 80Ra Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4116	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2454	2450	2445	2440	2434	2431	2427	2424	2422
5.0	2447	2439	2436	2429	2426	2416	2416	2407	2405
10.0	2414	2409	2412	2400	2395	2381	2380	2368	2368
15.0	2364	2361	2370	2350	2346	2320	2323	2300	2305
20.0	2287	2270	2278	2252	2258	2230	2233	2201	2202
25.0	2156	2136	2156	2128	2132	2099	2099	2056	2053
30.0	1992	1954	1981	1937	1950	1905	1912	1840	1832
35.0	1715	1666	1678	1628	1649	1599	1607	1522	1491
40.0	1259	1265	1299	1247	1256	1142	1168	1175	1188
45.0	848	890	988	943	918	793	824	865	934
50.0	597	640	723	691	681	573	591	647	718
55.0	432	478	545	510	528	428	437	478	527
60.0	349	362	390	354	390	342	347	342	384
65.0	293	283	297	270	293	251	268	275	325
70.0	203	206	258	239	247	183	210	222	267
75.0	171	180	212	193	212	151	173	177	201
80.0	137	130	175	156	162	115	124	138	189
85.0	80.5	75.8	122	99.2	110	59.2	72.1	63.3	112
90.0	22.4	6.20	33.5	7.10	26.6	4.10	16.7	3.10	14.8
95.0	9.50	3.20	10.3	3.20	10.0	3.20	9.40	3.40	10.4
100.0	8.90	3.70	9.40	3.70	9.20	3.60	8.80	4.00	9.70
105.0	8.60	4.30	9.00	4.40	8.90	4.30	8.60	4.70	9.50
110.0	8.80	5.10	9.00	5.20	8.90	5.10	8.80	5.50	9.70
115.0	9.30	6.10	9.40	6.20	9.30	6.20	9.30	6.60	10.1
120.0	10.0	7.40	10.1	7.50	10.0	7.40	10.1	7.90	10.9
125.0	11.1	8.80	11.0	8.80	11.0	8.90	11.1	9.40	12.0
130.0	12.3	10.3	12.2	10.4	12.2	10.4	12.4	10.9	13.2
135.0	13.6	11.9	13.4	11.9	13.4	12.0	13.6	12.4	14.4
140.0	14.8	13.4	14.7	13.4	14.7	13.4	14.9	13.7	15.7
145.0	16.1	14.9	16.0	14.8	16.0	14.9	16.1	15.2	16.9
150.0	17.2	16.3	17.2	16.3	17.2	16.3	17.2	16.5	18.0
155.0	18.6	17.6	18.4	17.7	18.5	17.6	18.5	18.0	19.3
160.0	19.7	19.0	19.5	19.1	19.7	19.1	19.6	19.4	20.4
165.0	21.0	20.4	20.8	20.7	21.1	20.4	21.0	20.6	21.5
170.0	22.2	21.6	22.1	22.1	22.4	21.6	22.1	21.6	22.5
175.0	23.1	22.6	23.1	23.1	23.1	22.5	22.9	22.5	23.1
180.0	23.7	23.2	23.8	23.8	23.6	23.1	23.4	23.0	23.6

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 1.1% Flicker 40.7 Temp