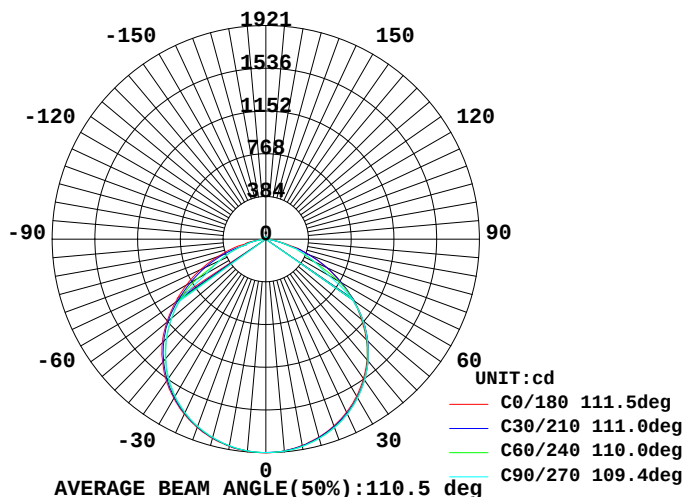


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra TP		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5116	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	1921	Effective Flux(lm):	5187.0
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	0, 0.0	EEI	0.107
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	5187.0	η street_up(%):	0.7	Current(A)	0.191
TEST FLUX(lm):	5187.0	η street_down(%):	48.5	Power(W)	40.61
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.962
TOTAL RADIANT(mw):	5187.0	η house_down(%)	50.1	EEFICIENCY(lm/W)	127.7



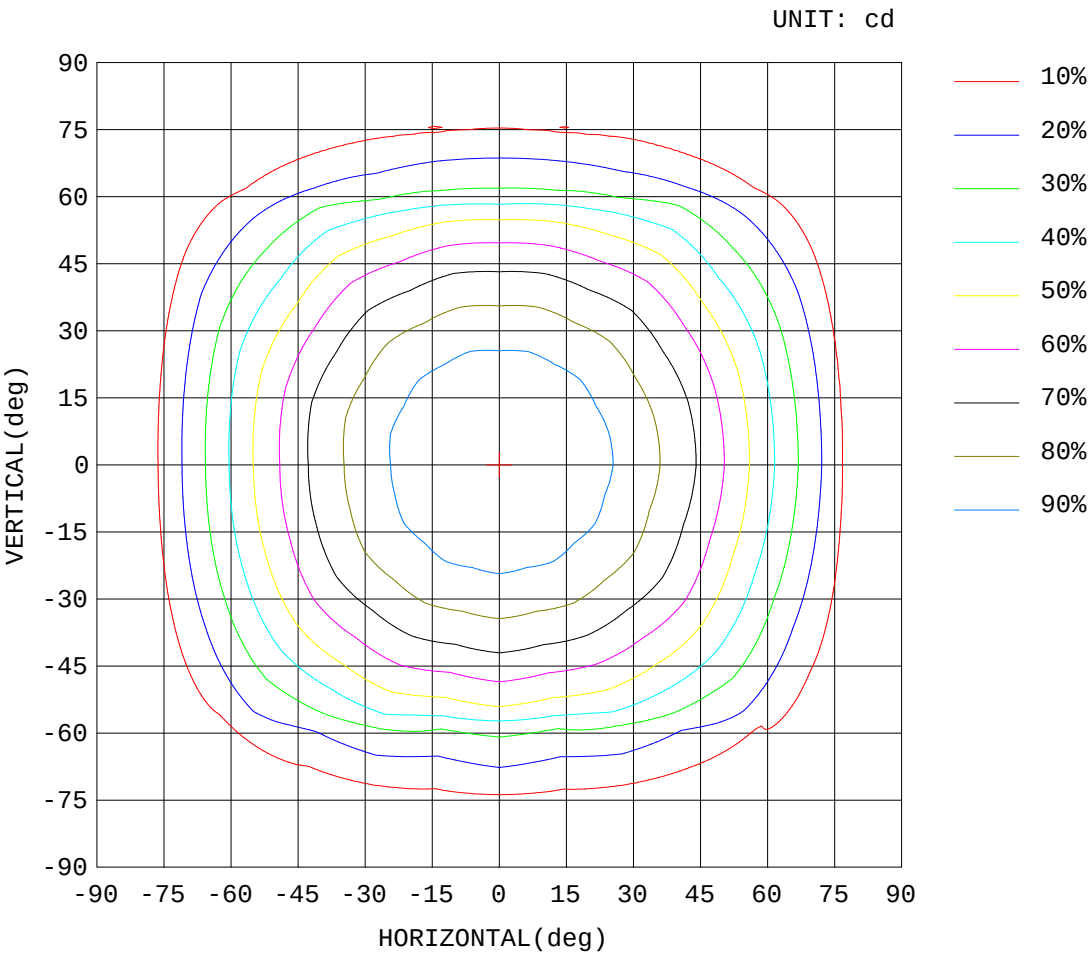
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 92Ra 1.1% Flicker 35.5 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra TP		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5116	DIMENSION: 525x112	SERIAL No.:



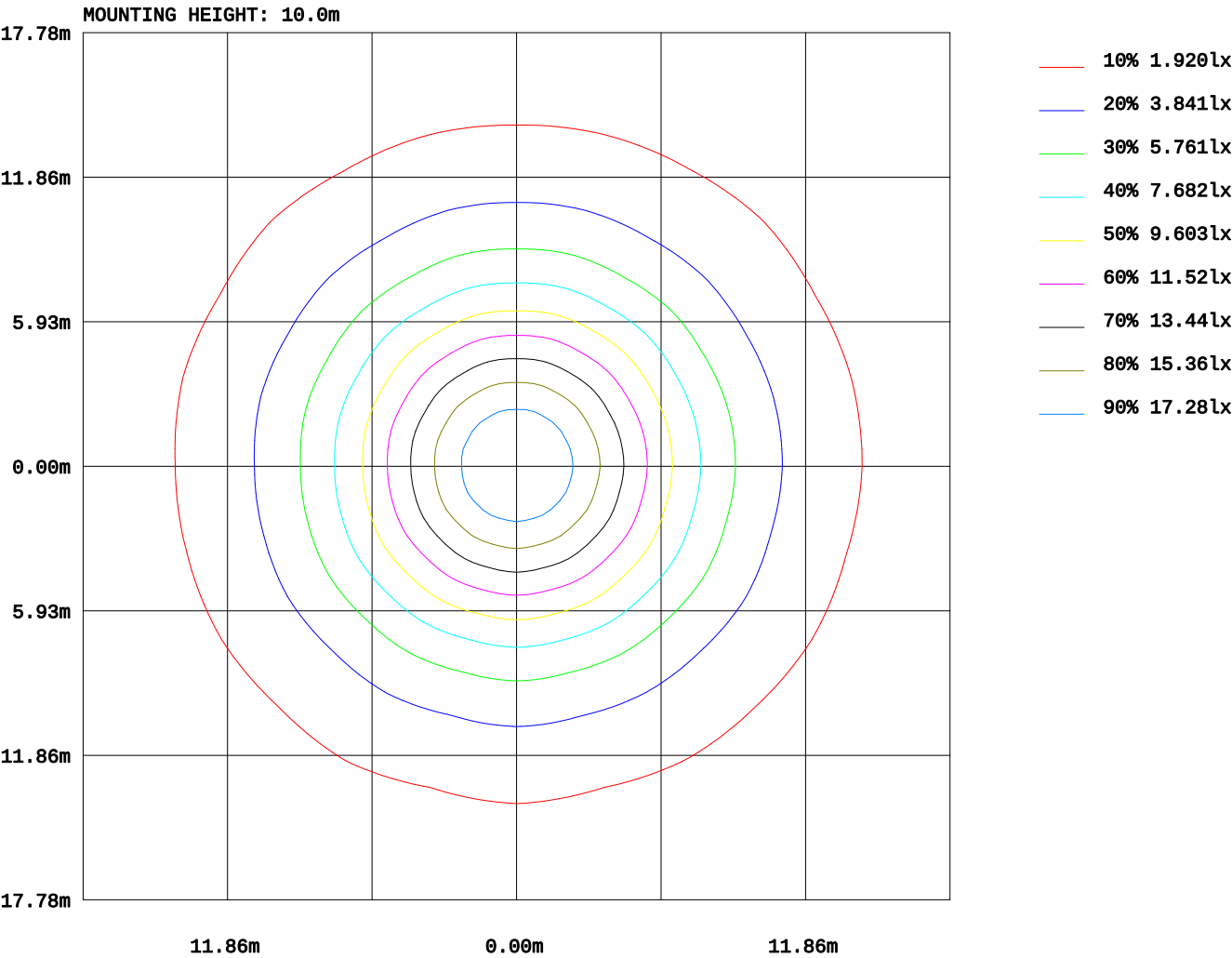
Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 92Ra 1.1% Flicker 35.5 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra TP		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5116	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: 92Ra 1.1% Flicker 35.5 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:															
Address:															
NAME: Element 0.5x1 Advanced 5000K 90Ra TP								TYPE:				WEIGHT:			
SPECIFICATION:				CCT(K): 5116				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	1921	1920	1918	1919	1919	1918	1918	1918	1918	1920	1918	1919	1921	1920	1918
5.0	1915	1910	1911	1910	1912	1908	1911	1907	1910	1908	1911	1908	1911	1911	1911
10.0	1891	1887	1888	1883	1887	1882	1886	1881	1885	1883	1888	1883	1883	1889	1886
15.0	1855	1845	1849	1842	1846	1838	1845	1838	1846	1840	1848	1842	1843	1850	1847
20.0	1804	1789	1797	1785	1793	1782	1792	1781	1792	1783	1795	1786	1787	1798	1794
25.0	1736	1721	1728	1715	1723	1709	1720	1708	1722	1714	1726	1717	1717	1732	1727
30.0	1653	1635	1644	1627	1635	1616	1629	1615	1634	1625	1642	1631	1633	1650	1645
35.0	1559	1534	1547	1521	1530	1505	1524	1504	1530	1520	1544	1529	1529	1551	1544
40.0	1446	1421	1432	1403	1405	1379	1399	1377	1407	1401	1427	1415	1416	1442	1432
45.0	1316	1287	1298	1263	1262	1233	1259	1229	1268	1261	1293	1279	1280	1309	1298
50.0	1164	1128	1146	1108	1108	1067	1107	1064	1120	1105	1140	1119	1123	1154	1142
55.0	995	959	967	940	936	878	913	878	952	935	966	956	960	994	971
60.0	823	781	782	747	709	569	607	571	743	747	783	777	784	817	790
65.0	647	595	601	512	458	411	461	407	470	531	603	593	601	636	605
70.0	459	410	413	301	319	294	321	295	325	298	417	408	419	452	419
75.0	283	222	184	162	192	148	190	146	192	159	170	218	235	272	191
80.0	140	80.5	100	64.3	94.3	48.2	87.6	49.2	93.8	63.0	98.1	84.5	92.6	131	80.2
85.0	42.5	16.3	31.4	12.5	24.9	13.5	25.2	13.4	25.0	12.6	31.2	15.6	18.7	36.5	19.7
90.0	12.1	3.80	11.5	3.60	10.8	3.50	10.5	3.50	10.9	3.70	11.5	3.70	4.10	12.5	3.70
95.0	11.0	4.60	10.5	4.40	10.1	4.20	9.90	4.30	10.2	4.50	10.5	4.60	5.10	10.9	4.50
100.0	10.9	5.60	10.5	5.40	10.1	5.20	9.90	5.30	10.2	5.50	10.5	5.70	6.10	10.9	5.60
105.0	11.2	6.80	10.9	6.50	10.5	6.30	10.3	6.30	10.5	6.60	11.0	6.80	7.40	11.2	6.70
110.0	11.7	7.90	11.4	7.70	11.0	7.60	10.9	7.60	11.1	7.80	11.5	8.00	8.70	11.8	7.90
115.0	12.5	9.09	12.0	8.90	11.8	8.80	11.7	8.80	11.9	8.90	12.2	9.20	9.90	12.5	9.00
120.0	13.3	10.3	12.8	10.0	12.6	10.0	12.6	10.0	12.6	10.1	12.9	10.4	11.2	13.3	10.2
125.0	14.1	11.5	13.5	11.2	13.4	11.2	13.5	11.2	13.4	11.2	13.7	11.5	12.5	14.2	11.4
130.0	15.0	12.6	14.4	12.3	14.2	12.3	14.4	12.3	14.3	12.4	14.5	12.8	13.7	15.0	12.6
135.0	15.9	13.7	15.2	13.4	15.0	13.5	15.2	13.4	15.2	13.5	15.5	14.0	14.9	16.0	13.7
140.0	16.7	14.9	16.2	14.5	16.0	14.5	16.1	14.5	16.0	14.5	16.4	15.0	15.9	16.9	14.9
145.0	17.5	15.9	17.1	15.6	16.9	15.7	16.9	15.5	16.7	15.6	17.2	16.2	16.9	17.8	15.9
150.0	18.2	16.7	17.8	16.5	17.8	16.7	17.7	16.4	17.7	16.5	18.0	17.2	17.7	18.6	16.9
155.0	18.9	17.6	18.5	17.4	18.6	17.8	18.5	17.2	18.4	17.5	18.7	18.0	18.5	19.3	17.7
160.0	19.5	18.2	19.2	18.1	19.3	18.6	19.1	18.0	19.0	18.1	19.5	18.7	19.2	19.9	18.5
165.0	20.2	19.0	19.7	18.9	19.9	19.2	19.9	18.7	19.6	18.9	20.0	19.3	19.9	20.4	19.1
170.0	20.7	19.5	20.2	19.5	20.4	19.7	20.5	19.4	20.1	19.4	20.4	19.7	20.5	20.6	19.6
175.0	21.1	19.9	20.5	19.7	20.6	20.0	21.0	19.7	20.4	19.7	20.6	20.0	20.9	20.8	19.9
180.0	21.1	20.2	20.6	20.1	20.6	20.2	21.1	20.2	20.6	20.1	20.6	20.2	21.1	20.7	20.1

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: 92Ra 1.1% Flicker 35.5 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra TP		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5116	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1919	1919	1918	1918	1918	1918	1920	1918	1919
5.0	1914	1913	1915	1914	1915	1914	1915	1912	1912
10.0	1893	1891	1896	1892	1898	1892	1895	1887	1890
15.0	1858	1854	1861	1856	1862	1855	1859	1851	1853
20.0	1807	1801	1812	1804	1812	1804	1808	1798	1801
25.0	1743	1735	1747	1737	1747	1737	1746	1731	1736
30.0	1661	1649	1663	1651	1663	1651	1665	1648	1653
35.0	1562	1546	1562	1548	1562	1549	1565	1550	1557
40.0	1451	1428	1445	1430	1445	1432	1454	1436	1448
45.0	1318	1290	1308	1293	1307	1296	1323	1304	1318
50.0	1170	1135	1152	1141	1152	1142	1175	1152	1165
55.0	1009	964	971	953	973	979	1016	983	1000
60.0	822	761	691	656	699	775	836	798	825
65.0	612	476	482	485	482	490	630	613	645
70.0	361	335	347	347	348	346	369	428	462
75.0	181	192	183	201	182	197	182	196	278
80.0	118	85.5	115	90.2	117	88.5	120	82.5	136
85.0	35.7	16.3	31.7	16.1	31.7	16.1	36.8	20.8	37.2
90.0	12.7	3.60	13.7	3.50	13.6	3.50	12.8	3.70	12.5
95.0	10.5	4.10	10.0	3.90	10.0	4.10	10.4	4.50	10.9
100.0	10.3	5.10	9.90	4.90	9.90	5.10	10.3	5.40	10.8
105.0	10.7	6.20	10.2	6.00	10.2	6.20	10.7	6.60	11.1
110.0	11.3	7.40	10.8	7.20	10.7	7.40	11.2	7.80	11.5
115.0	11.9	8.60	11.5	8.50	11.5	8.60	11.9	8.90	12.3
120.0	12.7	9.80	12.4	9.80	12.3	9.80	12.6	10.1	13.0
125.0	13.5	11.0	13.2	11.0	13.0	10.9	13.3	11.2	14.0
130.0	14.3	12.1	14.1	12.2	14.0	12.0	14.2	12.3	14.9
135.0	15.2	13.2	15.0	13.3	14.9	13.2	15.0	13.5	15.7
140.0	16.1	14.3	15.8	14.4	15.8	14.3	15.9	14.5	16.5
145.0	16.9	15.2	16.5	15.4	16.6	15.2	16.9	15.6	17.4
150.0	17.8	16.4	17.5	16.3	17.7	16.4	17.7	16.5	18.1
155.0	18.5	17.2	18.2	17.2	18.5	17.2	18.4	17.4	18.7
160.0	19.2	18.0	19.0	18.0	19.3	18.1	19.1	18.1	19.3
165.0	19.7	18.7	19.6	18.9	19.9	18.9	19.6	18.9	19.7
170.0	20.2	19.3	20.1	19.6	20.4	19.5	20.2	19.3	20.2
175.0	20.5	19.7	20.5	20.2	20.7	19.7	20.5	19.6	20.5
180.0	20.6	20.2	20.7	20.7	20.7	20.1	20.6	20.1	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: 92Ra 1.1% Flicker 35.5 Temp