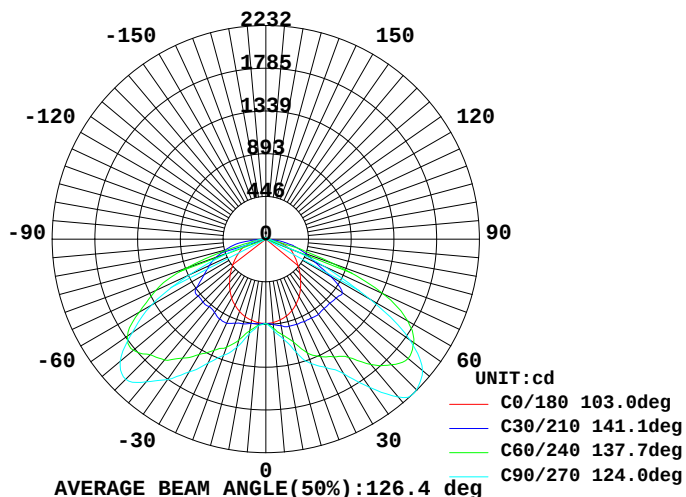


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 5000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4853	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2232	Effective Flux(lm):	5217.2
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	270, 44.0	EEI	0.106
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	5217.1	η street_up(%):	0.7	Current(A)	0.192
TEST FLUX(lm):	5217.1	η street_down(%):	48.6	Power(W)	40.73
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.962
TOTAL RADIANT(mw):	5217.2	η house_down(%)	50.0	EEFICIENCY(lm/W)	128.1



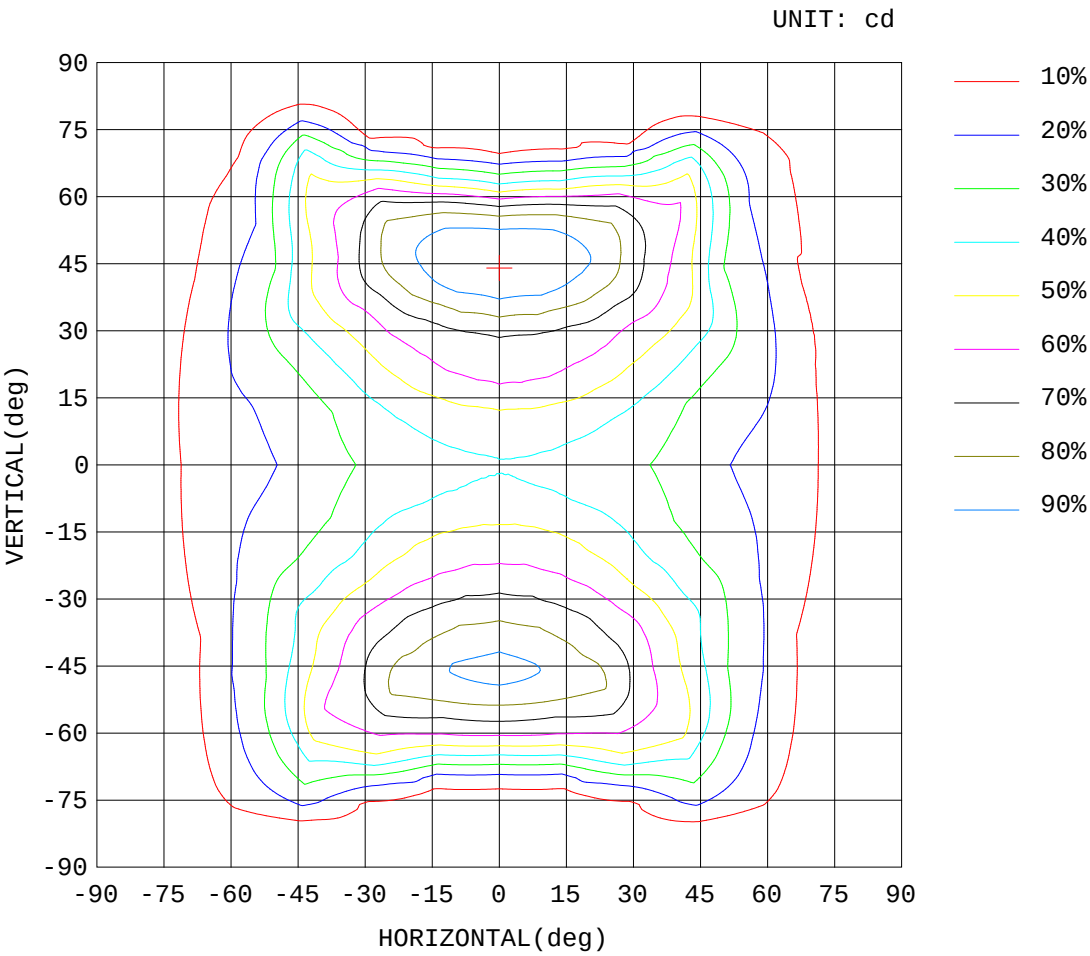
Test System:
 Temperature: 25.3'C
 Operators:
 Test Date: 05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 83Ra 1.2% Flicker 39.3 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 5000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4853	DIMENSION: 525x112	SERIAL No.:



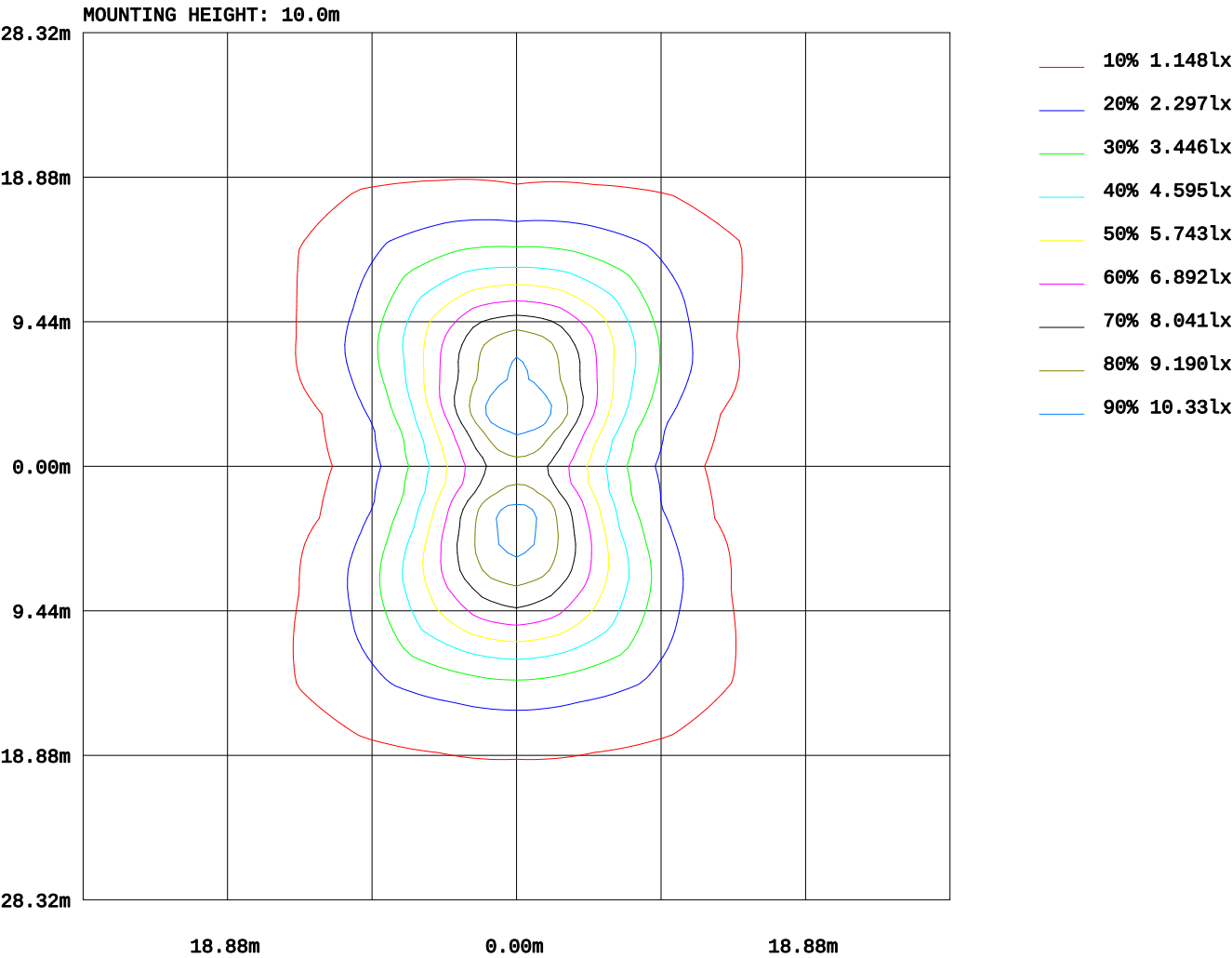
Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra 1.2% Flicker 39.3 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 5000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4853	DIMENSION: 525x112	SERIAL No.:



Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra 1.2% Flicker 39.3 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 5000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4853	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	881	881	882	884	885	885	885	885	885	884	883	880	881	881	882
5.0	877	878	889	897	903	914	911	912	901	896	890	875	875	877	896
10.0	861	870	895	940	971	1003	1004	999	966	933	893	873	857	875	918
15.0	838	847	914	1001	1093	1156	1169	1156	1087	994	908	849	832	865	941
20.0	804	821	935	1089	1203	1274	1290	1276	1200	1089	926	816	795	845	947
25.0	763	797	971	1140	1281	1394	1427	1393	1279	1143	961	792	750	819	952
30.0	713	765	966	1178	1390	1557	1601	1560	1393	1177	957	757	695	776	951
35.0	655	726	938	1242	1518	1724	1790	1736	1523	1248	932	712	632	717	959
40.0	591	678	920	1294	1648	1852	1945	1866	1670	1315	920	664	567	657	947
45.0	527	613	930	1368	1708	1988	2069	2004	1738	1397	940	597	504	596	947
50.0	466	553	925	1360	1806	1948	1986	1960	1841	1401	946	542	442	538	957
55.0	406	528	883	1301	1765	1704	1704	1714	1796	1353	912	526	390	499	976
60.0	350	470	746	1290	1528	1403	1380	1409	1548	1353	778	479	341	492	788
65.0	299	379	652	1253	1270	955	877	954	1290	1306	681	386	301	438	566
70.0	253	255	554	1036	890	429	386	431	898	1064	584	285	240	323	444
75.0	185	164	438	751	366	144	166	146	369	768	468	169	162	197	328
80.0	104	85.6	326	458	138	79.1	108	80.5	137	460	348	91.0	79.2	116	203
85.0	40.0	31.7	148	94.5	57.2	41.2	66.2	42.2	58.7	97.0	162	35.0	24.4	52.4	70.8
90.0	10.0	3.40	17.1	4.80	15.0	4.50	13.2	4.40	15.2	4.90	19.6	3.50	3.40	11.5	4.10
95.0	8.80	4.10	12.6	5.90	13.5	6.00	12.0	6.00	13.6	6.00	13.0	4.30	4.00	9.70	5.00
100.0	8.60	4.90	12.0	7.10	13.7	7.70	12.7	7.70	13.7	7.20	12.3	5.00	4.70	9.50	5.90
105.0	8.70	5.70	11.9	8.20	14.3	9.60	13.9	9.60	14.3	8.29	12.1	5.90	5.50	9.60	6.80
110.0	8.90	6.60	12.0	9.09	14.9	11.4	15.2	11.4	14.9	9.20	12.2	6.70	6.30	9.80	7.60
115.0	9.20	7.30	12.3	9.90	15.4	12.7	16.5	12.7	15.5	10.0	12.4	7.50	7.20	10.1	8.40
120.0	9.60	8.20	12.7	10.7	15.7	13.6	17.4	13.7	15.9	10.8	12.7	8.20	8.00	10.5	9.09
125.0	10.2	9.00	13.0	11.5	16.0	14.1	17.7	14.3	16.1	11.5	13.0	9.00	8.90	11.0	9.80
130.0	10.7	9.70	13.6	12.3	16.3	14.5	17.8	14.5	16.3	12.2	13.5	9.70	9.70	11.4	10.5
135.0	11.3	10.4	14.1	13.0	16.5	15.0	17.8	14.8	16.3	12.7	13.7	10.4	10.5	11.9	11.1
140.0	11.8	11.1	14.4	13.7	16.9	15.5	17.8	15.0	16.4	13.3	14.0	11.0	11.1	12.3	11.5
145.0	12.3	11.5	14.5	14.1	17.2	15.9	17.9	15.2	16.5	13.5	14.2	11.7	11.8	12.8	11.9
150.0	12.7	12.0	14.7	14.3	17.4	16.2	17.9	15.5	16.5	13.7	14.3	12.2	12.3	13.2	12.2
155.0	13.0	12.4	14.8	14.2	17.1	16.0	17.6	15.2	16.4	13.7	14.5	12.6	12.8	13.5	12.5
160.0	13.4	12.7	14.8	14.1	16.5	15.5	17.0	14.9	16.0	13.7	14.5	13.0	13.0	13.7	12.8
165.0	13.7	13.0	14.7	14.0	16.1	15.0	16.4	14.5	15.6	13.7	14.5	13.3	13.6	14.0	13.0
170.0	14.1	13.3	14.5	13.9	15.7	14.5	15.9	14.2	15.2	13.7	14.5	13.5	14.0	14.1	13.2
175.0	14.3	13.5	14.5	13.7	15.2	14.2	15.4	14.0	15.0	13.9	14.5	13.7	14.3	14.2	13.4
180.0	14.4	13.7	14.4	13.7	14.8	14.2	15.0	14.2	14.9	14.2	14.5	14.0	14.5	14.2	13.7

Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra 1.2% Flicker 39.3 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Standart 5000K 82Ra SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4853	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	884	885	885	885	885	885	884	883	880
5.0	914	935	942	955	948	942	925	905	886
10.0	974	1018	1039	1063	1045	1028	988	939	887
15.0	1021	1110	1181	1219	1190	1131	1042	961	882
20.0	1090	1266	1346	1385	1360	1294	1132	974	874
25.0	1183	1354	1438	1478	1455	1382	1239	994	845
30.0	1241	1421	1542	1620	1563	1451	1293	1027	803
35.0	1274	1511	1783	1891	1812	1564	1331	1034	755
40.0	1304	1709	2024	2152	2060	1766	1362	1042	705
45.0	1363	1855	2184	2226	2196	1917	1458	1040	655
50.0	1449	1940	2137	2137	2141	1977	1503	1042	602
55.0	1367	1887	1950	1840	1923	1900	1443	1025	570
60.0	1299	1713	1524	1263	1454	1670	1427	777	557
65.0	1298	1353	876	670	816	1220	1383	603	466
70.0	1194	763	365	203	319	626	1222	502	315
75.0	967	236	129	94.5	124	164	862	410	197
80.0	512	60.7	78.4	61.0	77.6	57.9	345	314	122
85.0	154	26.3	46.5	32.0	47.2	25.0	98.0	117	54.4
90.0	18.9	5.10	13.3	4.30	13.0	5.20	16.6	4.40	11.5
95.0	14.8	6.40	12.4	5.80	12.3	6.50	14.5	5.40	10.0
100.0	14.2	7.80	13.0	7.60	13.0	8.00	14.1	6.20	9.70
105.0	14.0	9.20	14.1	9.60	14.1	9.40	14.0	7.10	9.80
110.0	14.0	10.4	15.0	11.5	15.0	10.5	14.1	8.00	10.1
115.0	14.1	11.4	15.9	12.9	16.0	11.5	14.2	8.80	10.4
120.0	14.3	12.1	16.5	13.9	16.5	12.2	14.4	9.60	10.9
125.0	14.5	12.7	16.7	14.5	16.7	12.8	14.7	10.5	11.3
130.0	14.7	13.0	16.9	14.8	16.9	13.3	15.0	11.2	11.9
135.0	14.9	13.4	16.7	15.0	17.0	13.9	15.4	11.9	12.3
140.0	15.0	13.7	16.6	15.0	17.1	14.3	15.7	12.4	12.7
145.0	15.0	13.9	16.6	15.2	17.2	14.5	15.9	12.8	13.0
150.0	15.0	13.9	16.5	15.2	17.1	14.7	15.9	13.0	13.3
155.0	15.0	13.9	16.2	14.9	16.9	14.7	15.8	13.3	13.6
160.0	14.9	13.7	15.7	14.5	16.4	14.5	15.6	13.5	13.7
165.0	14.8	13.6	15.2	14.2	15.9	14.3	15.5	13.7	14.0
170.0	14.8	13.6	15.0	14.1	15.5	14.2	15.2	13.7	14.1
175.0	14.7	13.7	14.8	14.1	15.0	14.1	15.0	13.9	14.2
180.0	14.7	14.1	14.8	14.4	14.9	14.2	14.9	14.1	14.2

Test System:
Temperature:25.3'C
Operators:
Test Date:05-12-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 83Ra 1.2% Flicker 39.3 Temp