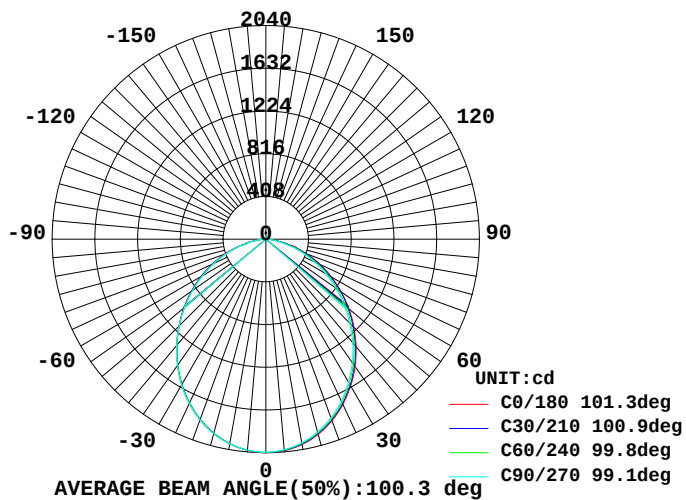


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	DIMENSION: 525x112	SERIAL No.:

MODEL:		Imax(cd):	2040	Effective Flux(lm):	5054.9
NOMINAL POWER(W):	40	MAXIMUM(C, γ):	0, 0.0	EEI	0.109
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	5054.9	η street_up(%):	0.7	Current(A)	0.191
TEST FLUX(lm):	5054.9	η street_down(%):	49.5	Power(W)	40.56
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.962
TOTAL RADIANT(mw):	5054.9	η house_down(%)	49.0	EEFICIENCY(lm/W)	124.6



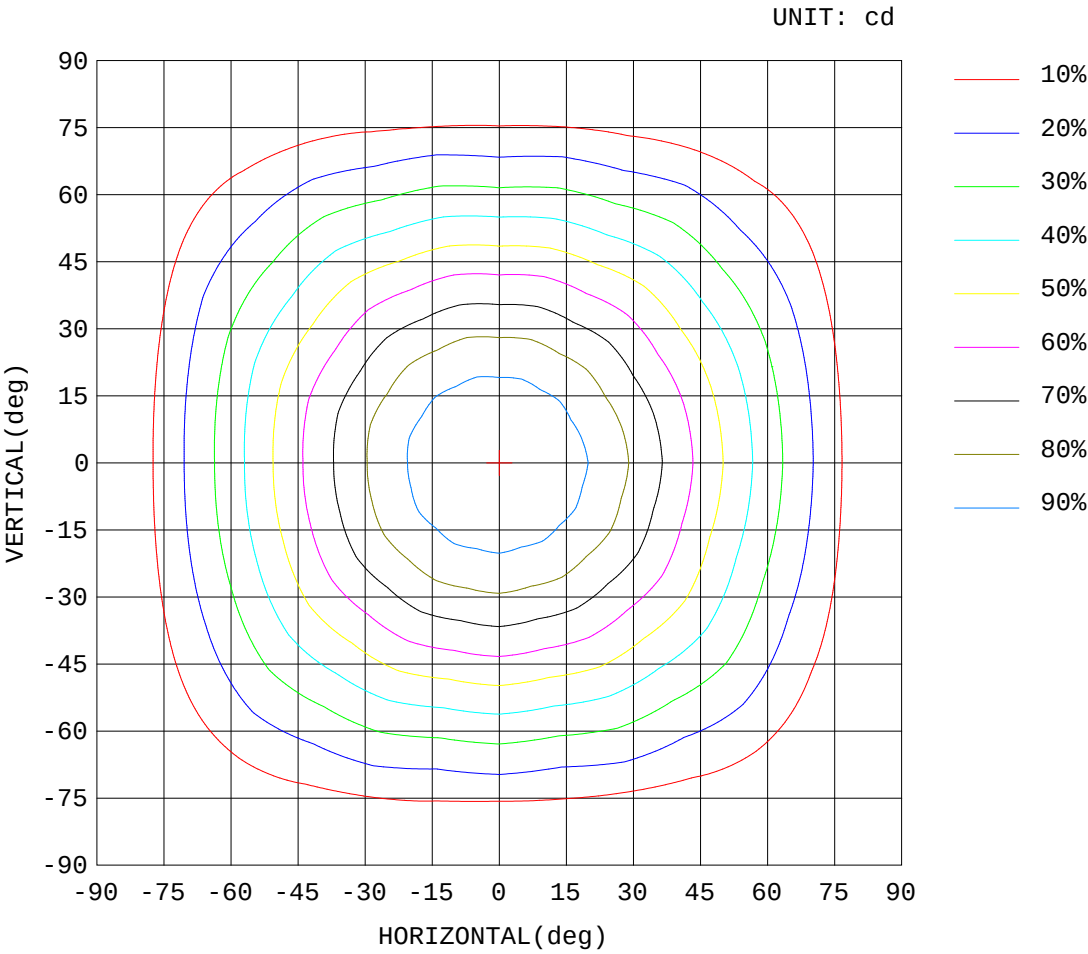
Test System:
 Temperature: 25.3°C
 Operators:
 Test Date: 04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 93Ra 1.1% Flicker 37.5 Temp

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	DIMENSION: 525x112	SERIAL No.:



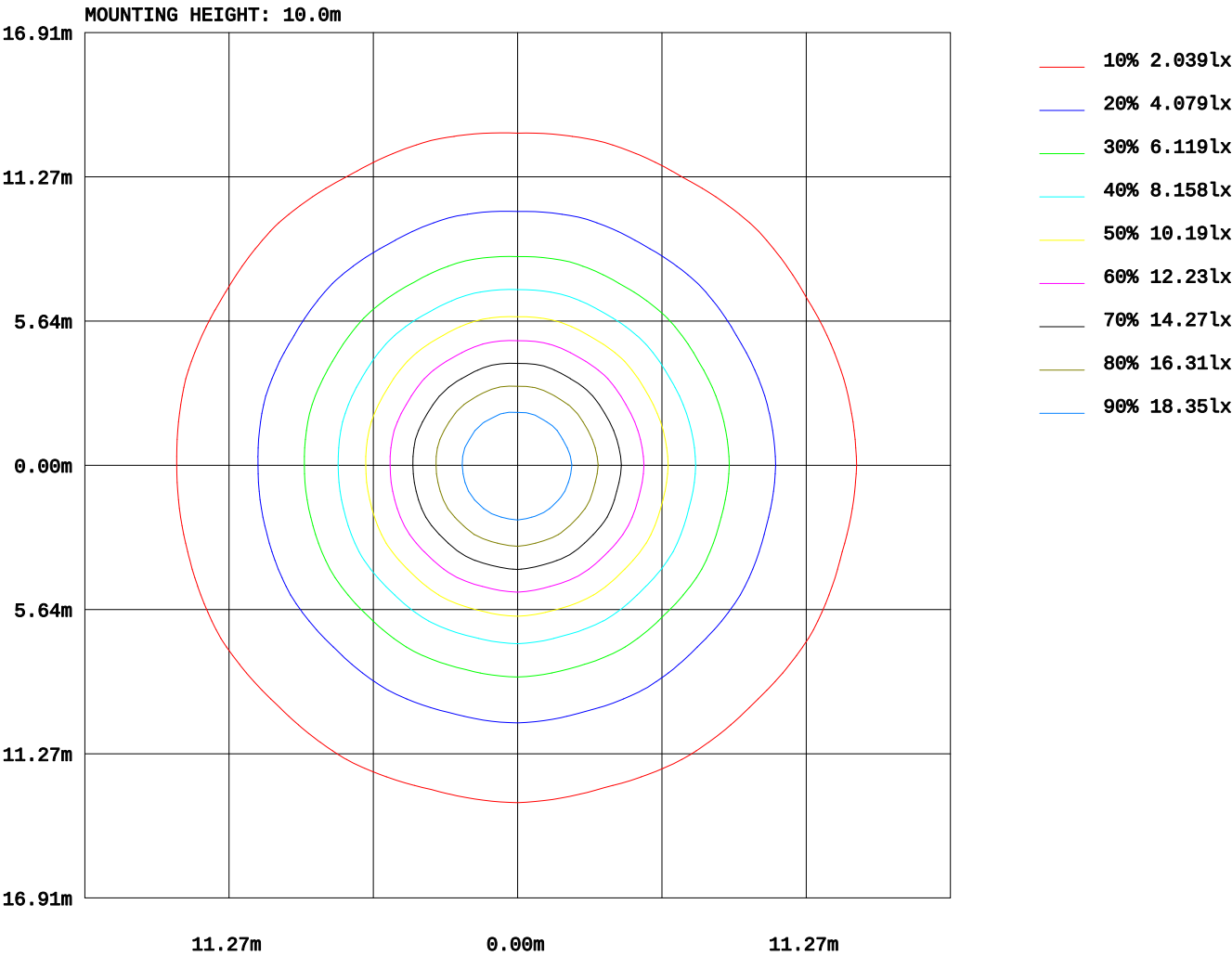
Test System:
Temperature:25.3'C
Operators:
Test Date:04-11-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra 1.1% Flicker 37.5 Temp

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	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 1.1% Flicker 37.5 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:															
Address:															
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal								TYPE:				WEIGHT:			
SPECIFICATION:				CCT(K): 5017				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	2040	2038	2038	2036	2035	2035	2034	2033	2033	2033	2032	2033	2040	2038	2038
5.0	2025	2019	2023	2019	2024	2019	2024	2021	2025	2023	2026	2022	2028	2027	2024
10.0	1985	1978	1982	1979	1985	1980	1986	1983	1990	1987	1992	1988	1991	1995	1985
15.0	1919	1911	1919	1911	1920	1914	1924	1919	1930	1925	1933	1927	1930	1936	1923
20.0	1833	1820	1833	1822	1835	1824	1840	1832	1848	1839	1855	1844	1845	1852	1838
25.0	1727	1713	1725	1715	1728	1717	1733	1726	1744	1737	1754	1743	1743	1750	1735
30.0	1603	1588	1602	1587	1603	1590	1610	1600	1622	1614	1633	1622	1621	1630	1611
35.0	1470	1449	1469	1446	1468	1449	1475	1461	1489	1477	1504	1486	1486	1497	1475
40.0	1324	1305	1324	1301	1321	1303	1327	1315	1344	1334	1360	1344	1343	1357	1332
45.0	1173	1152	1172	1148	1167	1146	1171	1159	1191	1182	1210	1193	1192	1207	1179
50.0	1022	997	1020	992	1013	984	1015	998	1038	1026	1060	1038	1036	1053	1025
55.0	868	845	866	837	853	826	856	841	879	872	905	884	881	899	871
60.0	714	690	712	680	696	670	699	684	722	715	748	727	724	745	714
65.0	564	535	562	524	548	517	549	531	573	557	598	573	571	592	559
70.0	415	390	410	379	400	371	399	384	424	409	446	426	422	446	410
75.0	272	237	266	226	255	219	257	231	277	255	297	299	299	302	254
80.0	156	113	149	104	142	106	147	115	160	128	178	142	141	176	131
85.0	54.1	27.5	49.5	26.1	50.4	31.4	59.3	35.7	63.7	41.2	70.9	45.4	44.6	70.5	39.7
90.0	12.1	3.90	12.2	3.80	12.1	3.80	12.7	3.70	14.1	4.00	16.7	4.60	4.40	15.5	4.10
95.0	11.1	4.60	10.9	4.50	10.8	4.40	10.7	4.30	10.9	4.30	11.1	4.40	4.90	11.2	4.50
100.0	10.9	5.60	10.7	5.40	10.5	5.20	10.4	5.20	10.5	5.20	10.7	5.30	5.90	11.0	5.40
105.0	11.1	6.60	10.8	6.30	10.5	6.20	10.5	6.10	10.5	6.20	10.8	6.30	6.90	11.1	6.40
110.0	11.5	7.60	11.2	7.40	11.0	7.20	11.0	7.20	11.0	7.20	11.2	7.40	8.10	11.4	7.50
115.0	12.1	8.70	11.7	8.40	11.5	8.29	11.5	8.20	11.5	8.29	11.5	8.50	9.30	12.1	8.60
120.0	12.9	9.90	12.4	9.50	12.2	9.40	12.2	9.40	12.1	9.40	12.3	9.70	10.5	12.8	9.70
125.0	13.7	11.0	13.0	10.7	13.0	10.5	13.0	10.5	12.9	10.5	13.0	10.8	11.8	13.6	10.9
130.0	14.5	12.2	14.0	11.8	13.7	11.8	13.9	11.7	13.7	11.5	14.0	12.1	13.0	14.5	12.1
135.0	15.5	13.4	14.9	12.9	14.7	13.0	14.8	12.8	14.5	12.8	14.8	13.3	14.2	15.5	13.3
140.0	16.3	14.4	15.7	14.0	15.6	14.1	15.7	13.9	15.4	13.9	15.7	14.4	15.2	16.4	14.4
145.0	17.2	15.5	16.5	15.0	16.4	15.2	16.5	15.0	16.3	15.0	16.5	15.5	16.3	17.2	15.5
150.0	17.9	16.5	17.4	16.1	17.2	16.3	17.2	16.0	17.2	16.0	17.5	16.5	17.2	18.1	16.5
155.0	18.6	17.4	18.1	17.1	18.1	17.2	18.0	16.9	17.9	17.0	18.2	17.5	18.0	19.0	17.5
160.0	19.3	18.1	18.9	17.9	18.9	18.1	18.9	17.8	18.7	17.9	19.1	18.4	19.0	19.6	18.2
165.0	20.0	18.9	19.6	18.7	19.6	19.0	19.6	18.6	19.4	18.7	19.7	19.1	19.7	20.2	19.0
170.0	20.6	19.5	20.1	19.4	20.2	19.6	20.4	19.3	20.0	19.3	20.2	19.6	20.5	20.6	19.5
175.0	21.1	19.9	20.5	19.7	20.6	20.0	21.0	19.7	20.4	19.6	20.5	20.0	20.9	20.8	19.9
180.0	21.1	20.2	20.7	20.2	20.7	20.2	21.1	20.2	20.6	20.1	20.7	20.2	21.2	20.8	20.2

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 1.1% Flicker 37.5 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 Advanced 5000K 90Ra Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5017	DIMENSION: 525x112	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2036	2035	2035	2034	2033	2033	2033	2032	2033
5.0	2024	2021	2022	2018	2018	2014	2017	2013	2016
10.0	1991	1981	1985	1974	1978	1970	1976	1967	1975
15.0	1928	1915	1920	1907	1912	1901	1909	1900	1909
20.0	1844	1826	1832	1816	1823	1809	1820	1808	1820
25.0	1741	1720	1725	1708	1716	1700	1713	1700	1715
30.0	1617	1595	1602	1579	1590	1571	1588	1573	1591
35.0	1483	1455	1462	1438	1451	1431	1449	1434	1454
40.0	1339	1310	1319	1290	1305	1285	1306	1289	1312
45.0	1190	1156	1162	1132	1149	1129	1153	1137	1161
50.0	1034	996	1002	970	988	969	998	982	1008
55.0	881	838	847	815	834	813	845	830	856
60.0	724	683	692	659	681	658	688	675	704
65.0	568	532	542	507	530	506	537	521	552
70.0	423	386	395	362	384	362	394	373	407
75.0	280	233	255	213	243	212	251	224	265
80.0	160	113	143	103	133	96.5	133	103	147
85.0	62.0	33.1	56.0	32.7	49.7	23.4	44.9	24.0	48.2
90.0	14.0	3.80	12.8	3.60	12.0	3.90	11.8	3.90	12.0
95.0	11.0	4.40	10.7	4.40	10.7	4.50	10.8	4.70	11.0
100.0	10.7	5.30	10.5	5.30	10.5	5.40	10.5	5.60	10.8
105.0	10.8	6.30	10.7	6.30	10.7	6.40	10.8	6.60	11.1
110.0	11.2	7.40	11.0	7.40	11.0	7.50	11.2	7.70	11.5
115.0	11.7	8.40	11.5	8.60	11.7	8.50	11.8	8.70	12.1
120.0	12.5	9.60	12.4	9.70	12.4	9.70	12.5	9.90	12.8
125.0	13.2	10.7	13.0	10.9	13.2	10.9	13.3	11.0	13.6
130.0	14.0	11.9	14.0	12.1	14.1	12.0	14.1	12.2	14.5
135.0	14.9	13.0	14.9	13.3	14.9	13.2	14.9	13.3	15.4
140.0	15.8	14.2	15.8	14.4	15.9	14.2	15.8	14.4	16.3
145.0	16.6	15.2	16.5	15.2	16.7	15.2	16.6	15.4	17.1
150.0	17.5	16.2	17.4	16.3	17.7	16.3	17.5	16.4	17.9
155.0	18.2	17.1	18.1	17.2	18.5	17.2	18.2	17.2	18.6
160.0	19.0	18.0	18.9	18.0	19.3	18.1	19.0	18.0	19.2
165.0	19.6	18.7	19.6	19.0	20.0	18.9	19.6	18.7	19.7
170.0	20.2	19.4	20.1	19.6	20.5	19.5	20.2	19.4	20.2
175.0	20.6	19.7	20.6	20.2	20.8	19.9	20.5	19.7	20.6
180.0	20.7	20.2	20.8	20.7	20.8	20.2	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: 93Ra 1.1% Flicker 37.5 Temp