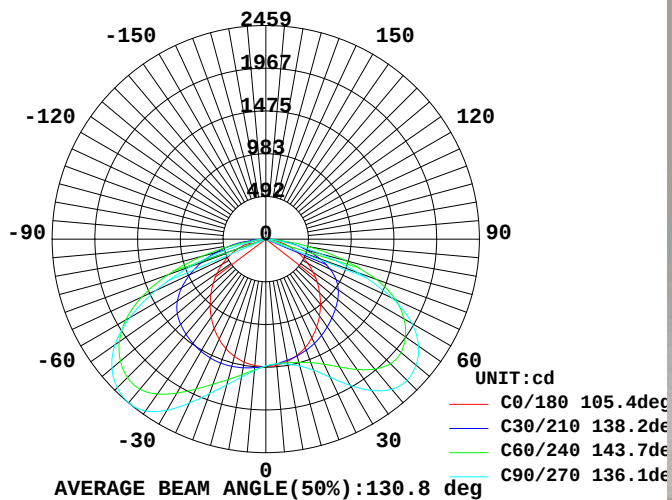


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 60W 5000K SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4871	DIMENSION: 525x112x32	SERIAL No.:

MODEL:		Imax(cd):	2459	Effective Flux(lm):	6978.6
NOMINAL POWER(W):	54	MAXIMUM(C, γ):	90, 40.0	EEI	0.107
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	6978.6	η street_up(%):	0.7	Current(A)	0.261
TEST FLUX(lm):	6978.6	η street_down(%):	50.1	Power(W)	54.84
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.953
TOTAL RADIANT(mw):	6978.6	η house_down(%)	48.4	EEFICIENCY(lm/W)	127.2



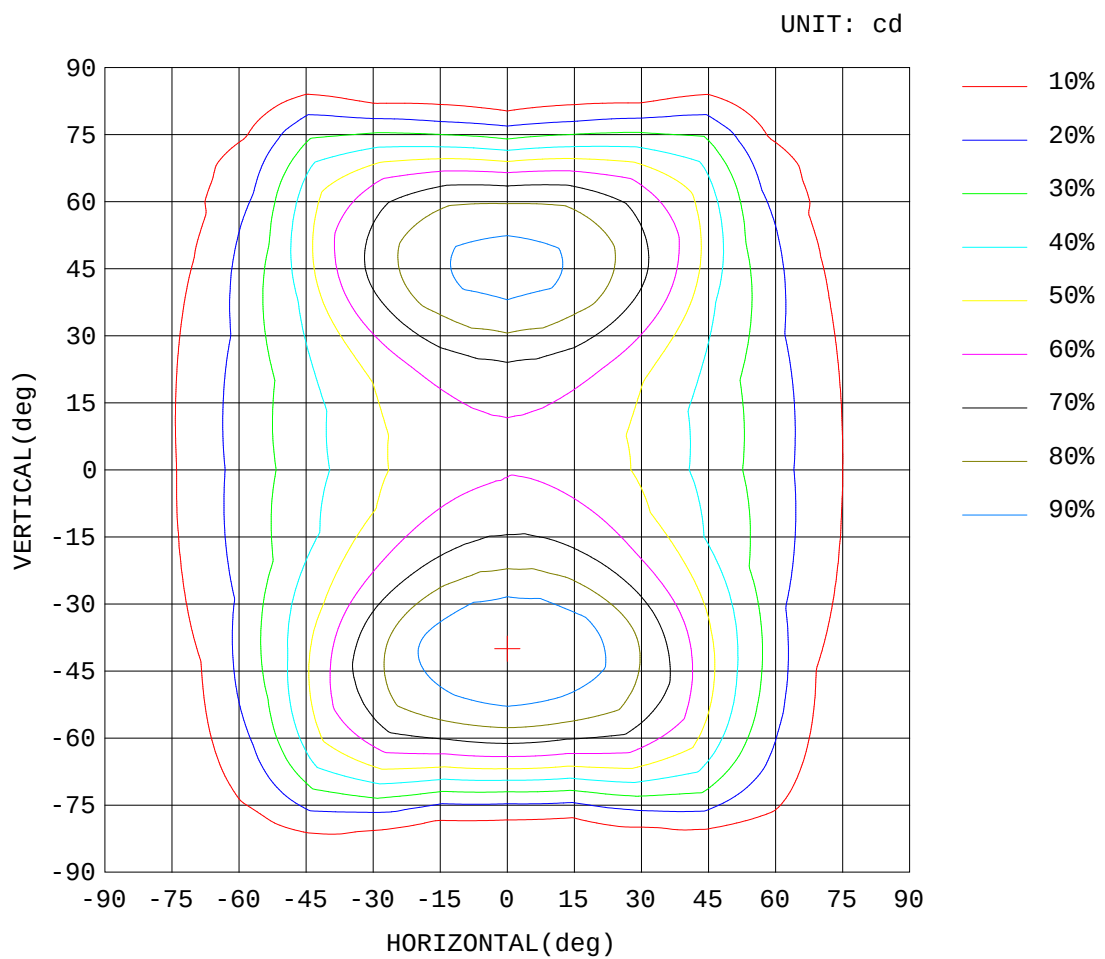
Temperature: 25.3°C
 Operators:
 Test Date: 12-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 0.3 Flickering Temp 44.9C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 60W 5000K SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4871	DIMENSION: 525x112x32	SERIAL No.:



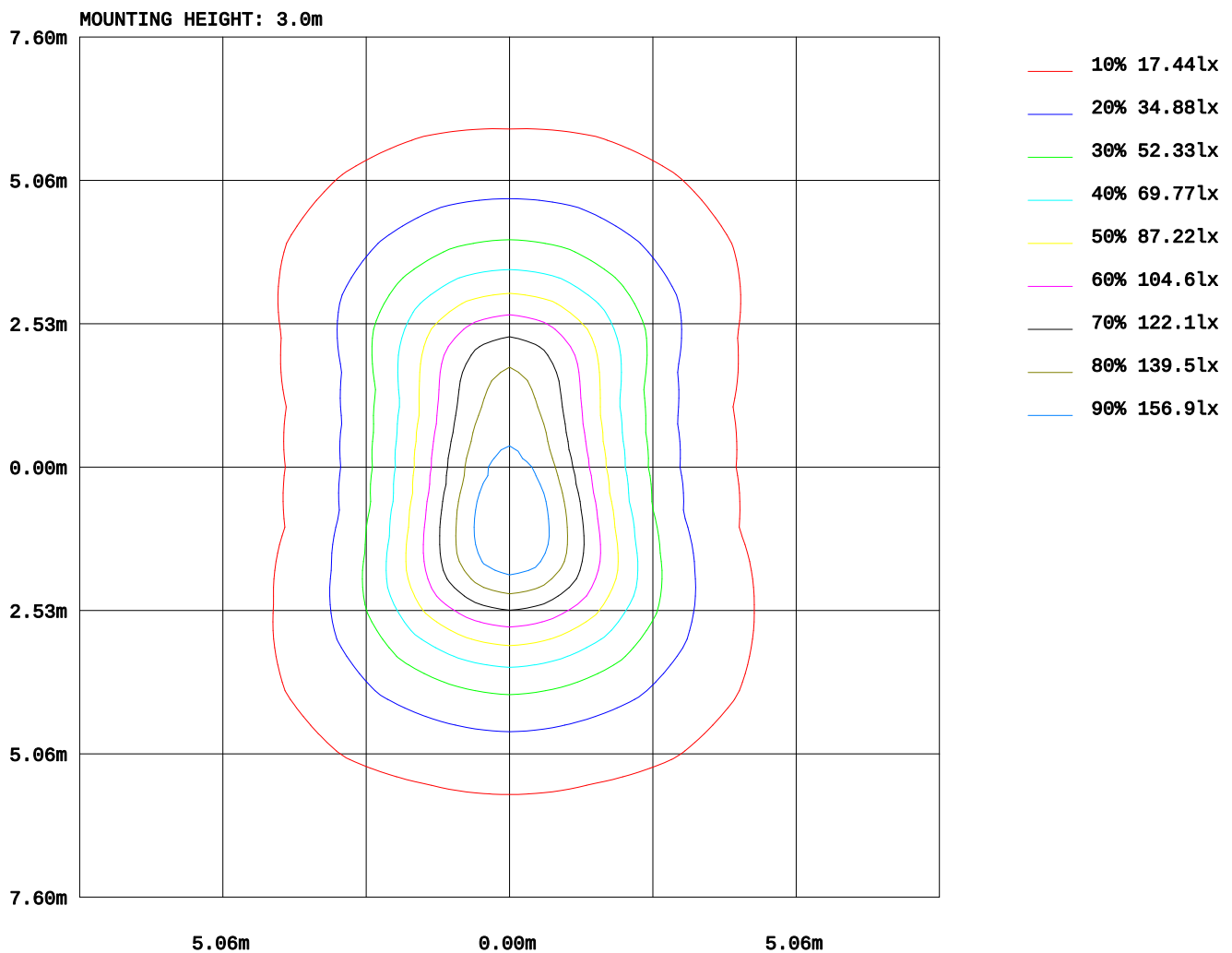
Temperature:25.3'C
Operators:
Test Date:12-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 0.3Flickering Temp 44.9C

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 60W 5000K SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4871	DIMENSION: 525x112x32	SERIAL No.:



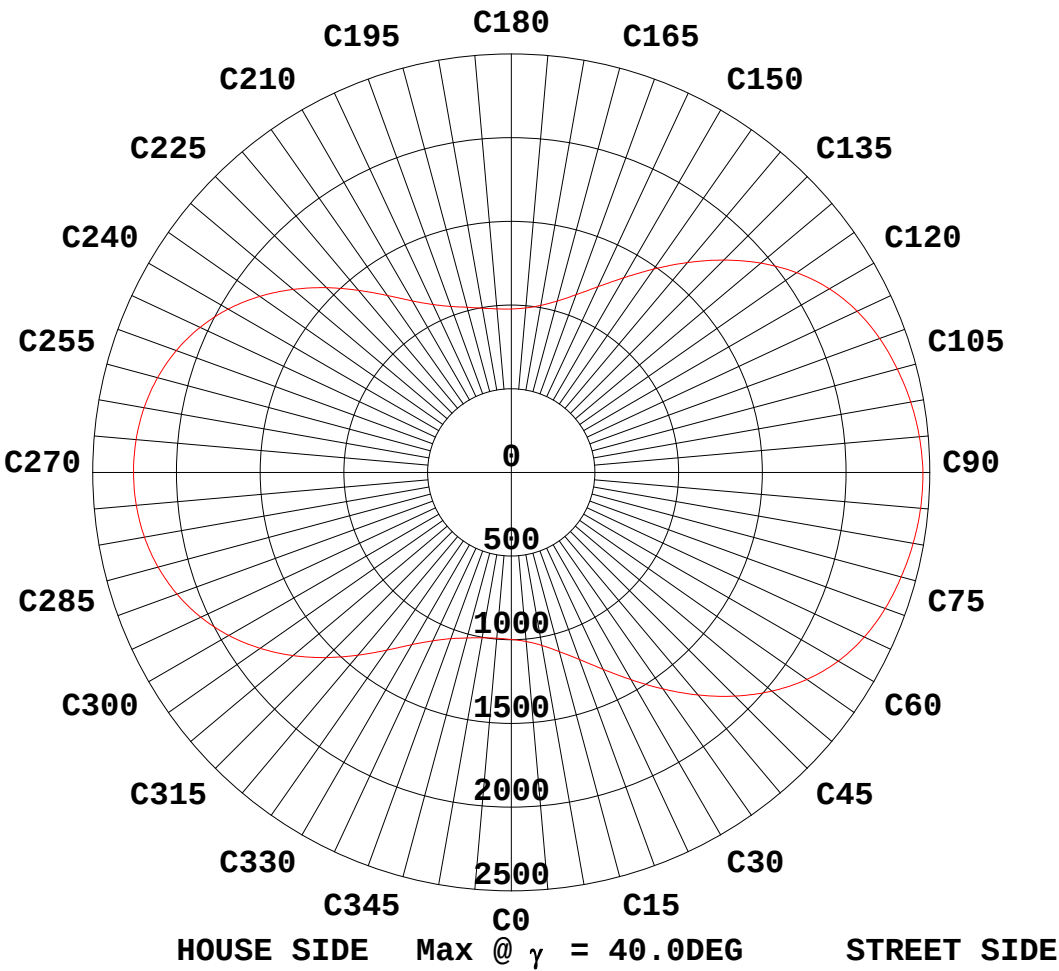
Temperature: 25.3°C
 Operators:
 Test Date: 12-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 81Ra 0.3 Flickering Temp 44.9C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 60W 5000K SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4871	DIMENSION: 525x112x32	SERIAL No.:



Temperature:25.3'C
Operators:
Test Date:12-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 0.3Flickering Temp 44.9C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 60W 5000K SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4871	DIMENSION: 525x112x32	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	1467	1465	1463	1465	1462	1463	1459	1459	1455	1454	1450	1448	1467	1465	1463
5.0	1461	1469	1484	1503	1512	1524	1518	1517	1499	1486	1465	1447	1457	1448	1440
10.0	1437	1461	1503	1548	1583	1612	1612	1602	1565	1525	1477	1433	1430	1419	1416
15.0	1397	1438	1516	1599	1672	1728	1736	1713	1647	1567	1482	1406	1387	1378	1391
20.0	1342	1402	1519	1651	1776	1874	1891	1854	1741	1610	1477	1363	1327	1326	1360
25.0	1272	1350	1511	1706	1905	2046	2081	2019	1857	1652	1460	1308	1253	1265	1323
30.0	1189	1283	1492	1768	2047	2226	2273	2196	1988	1700	1430	1237	1170	1192	1281
35.0	1098	1201	1464	1834	2176	2365	2414	2336	2111	1750	1391	1153	1077	1110	1233
40.0	998	1109	1430	1890	2255	2411	2459	2387	2195	1795	1343	1061	977	1022	1183
45.0	895	1005	1387	1909	2253	2372	2418	2352	2201	1814	1288	958	877	928	1134
50.0	793	897	1331	1868	2185	2269	2313	2253	2140	1778	1223	850	772	832	1080
55.0	688	785	1244	1775	2058	2091	2119	2081	2020	1690	1131	739	666	731	1018
60.0	581	662	1119	1632	1860	1804	1809	1803	1834	1555	1004	616	559	623	935
65.0	473	529	966	1442	1578	1406	1401	1416	1570	1375	850	487	450	512	815
70.0	360	395	789	1205	1196	950	926	970	1212	1153	671	363	343	397	662
75.0	248	253	595	894	754	483	465	505	787	848	490	232	224	282	492
80.0	153	140	390	510	340	168	175	176	369	505	322	127	124	182	320
85.0	63.8	50.3	170	136	109	47.2	75.9	47.6	121	150	156	44.6	44.2	87.4	135
90.0	12.7	4.30	18.6	6.80	20.4	7.60	17.9	7.80	20.0	6.60	17.7	4.10	4.10	17.7	6.10
95.0	11.1	5.10	15.4	8.29	19.1	9.60	17.2	9.50	18.7	8.10	14.5	5.00	5.00	12.2	6.90
100.0	10.8	6.10	14.9	9.80	18.9	11.5	17.8	11.4	18.4	9.70	14.0	6.00	6.00	12.0	8.29
105.0	10.9	7.20	14.8	11.0	18.7	13.5	18.7	13.2	18.4	10.9	13.9	7.00	7.00	12.2	9.50
110.0	11.2	8.20	15.0	12.0	18.9	15.0	19.7	14.5	18.4	11.7	14.1	8.00	8.10	12.7	10.8
115.0	11.8	9.30	15.4	12.8	19.2	16.1	20.6	15.8	18.7	12.5	14.4	9.00	9.20	13.2	11.9
120.0	12.4	10.3	15.8	13.7	19.6	17.0	21.2	16.6	19.2	13.3	14.8	10.0	10.4	13.9	12.9
125.0	13.2	11.4	16.2	14.5	19.7	17.7	21.6	17.2	19.4	14.1	15.2	11.0	11.5	14.5	14.0
130.0	13.9	12.3	16.5	15.4	20.1	18.1	21.7	17.8	19.5	14.8	15.8	12.0	12.6	15.4	14.8
135.0	14.5	13.2	17.1	15.7	20.2	18.6	21.7	18.0	19.5	15.2	16.3	13.0	13.6	16.0	15.5
140.0	15.2	14.0	17.5	16.5	20.4	18.9	21.6	18.1	19.6	15.8	16.6	13.9	14.4	16.5	16.0
145.0	15.9	14.7	17.8	16.9	20.2	19.1	21.5	18.2	19.6	16.2	17.1	14.7	15.2	17.1	16.4
150.0	16.5	15.4	18.0	17.1	20.2	19.2	21.1	18.2	19.5	16.5	17.4	15.5	15.9	17.5	16.6
155.0	17.0	16.0	18.1	17.4	20.2	19.1	20.9	18.2	19.4	16.9	17.6	16.2	16.5	17.9	17.1
160.0	17.6	16.5	18.2	17.5	20.0	18.9	20.5	18.2	19.3	17.2	18.0	16.7	17.2	18.1	17.2
165.0	18.0	17.0	18.5	17.7	19.7	18.7	20.1	18.1	19.3	17.5	18.4	17.4	17.9	18.5	17.6
170.0	18.7	17.6	18.7	18.0	19.6	18.5	19.9	18.1	19.3	17.9	18.7	18.0	18.6	18.7	17.9
175.0	19.2	18.0	19.0	18.1	19.4	18.4	19.7	18.4	19.5	18.4	19.1	18.2	19.1	19.0	18.0
180.0	19.4	18.5	19.1	18.5	19.4	18.7	19.7	18.7	19.6	18.9	19.3	18.7	19.6	18.9	18.4

Temperature:25.3'C
Operators:
Test Date:12-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 0.3Flickering Temp 44.9C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Element 0.5x1 60W 5000K SH2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4871	DIMENSION: 525x112x32	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1465	1462	1463	1459	1459	1455	1454	1450	1448
5.0	1441	1440	1442	1441	1440	1436	1435	1432	1435
10.0	1432	1445	1457	1462	1456	1444	1429	1411	1410
15.0	1430	1469	1499	1513	1499	1469	1430	1390	1373
20.0	1434	1513	1577	1606	1578	1514	1436	1361	1324
25.0	1445	1590	1703	1756	1704	1591	1449	1326	1265
30.0	1470	1700	1876	1943	1876	1701	1475	1285	1193
35.0	1511	1832	2053	2127	2051	1830	1516	1238	1112
40.0	1562	1953	2188	2257	2184	1948	1564	1188	1024
45.0	1610	2027	2248	2297	2244	2019	1609	1136	929
50.0	1635	2030	2224	2256	2220	2020	1630	1081	833
55.0	1609	1960	2135	2145	2131	1950	1601	1016	732
60.0	1520	1838	1966	1944	1964	1830	1510	933	627
65.0	1386	1645	1686	1602	1687	1640	1376	817	519
70.0	1213	1351	1254	1134	1257	1351	1204	673	403
75.0	964	939	777	653	781	944	970	507	285
80.0	660	496	365	257	368	503	675	320	184
85.0	308	138	140	86.2	141	141	303	135	89.0
90.0	37.0	8.10	26.8	7.00	26.8	8.10	35.9	6.00	17.7
95.0	19.5	9.40	18.0	8.70	18.2	9.50	19.5	7.10	12.1
100.0	18.7	11.2	18.2	10.8	18.5	11.3	18.5	8.50	11.9
105.0	18.7	12.9	19.1	13.0	19.3	12.9	18.2	9.90	12.2
110.0	18.7	14.2	20.1	15.2	20.2	14.1	18.4	11.1	12.7
115.0	18.9	15.7	21.0	16.9	21.0	15.4	18.5	12.3	13.3
120.0	19.2	16.6	21.6	18.4	21.6	16.4	18.7	13.4	14.0
125.0	19.5	17.5	22.2	19.3	22.1	17.2	19.3	14.3	14.8
130.0	19.6	18.0	22.5	20.0	22.4	18.0	19.6	15.2	15.5
135.0	19.9	18.4	22.5	20.4	22.7	18.6	20.1	15.9	15.9
140.0	20.0	18.6	22.4	20.6	22.7	19.0	20.2	16.5	16.6
145.0	19.9	18.7	22.2	20.5	22.7	19.3	20.5	17.1	17.2
150.0	19.9	18.7	21.9	20.4	22.6	19.4	20.6	17.4	17.6
155.0	19.9	18.6	21.5	20.2	22.4	19.5	20.5	17.8	17.9
160.0	19.6	18.6	21.1	20.0	22.0	19.5	20.4	18.0	18.1
165.0	19.6	18.5	20.7	19.6	21.5	19.3	20.2	18.2	18.5
170.0	19.6	18.5	20.2	19.4	20.8	19.1	20.2	18.5	18.7
175.0	19.5	18.4	19.9	19.1	20.2	18.9	20.0	18.6	19.1
180.0	19.4	18.7	19.6	19.1	19.6	18.9	19.6	18.9	19.1

Temperature:25.3'C
Operators:
Test Date:12-11-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra 0.3Flickering Temp 44.9C