

PHOTOMETRIC TEST REPORT

Report number: 0001323

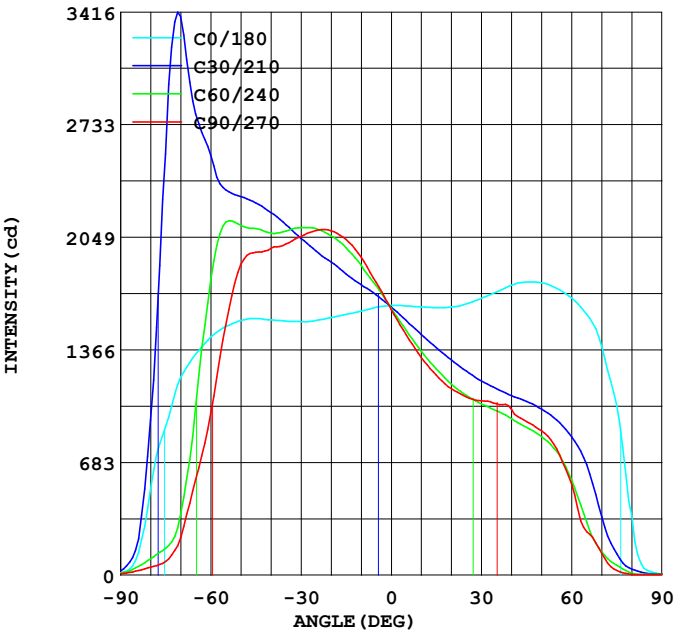
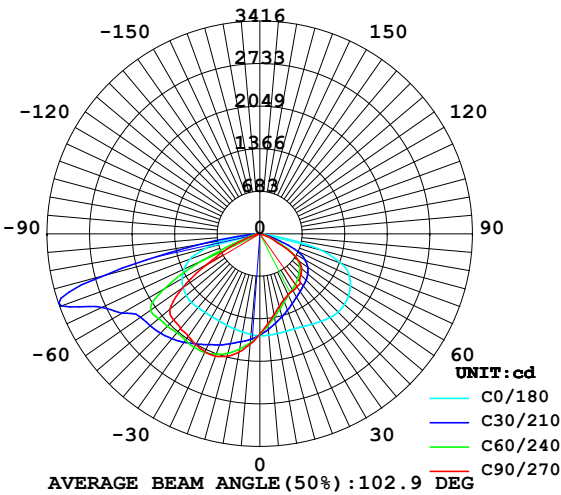
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE:STREET POLE	WEIGHT:5.1
SPECIFICATION:STREET POLE ARES	DIMENSION: 525x250x102	SERIAL No.:

TEST DATA:					
MODEL:	SPA S	Imax (cd) :	3527	$\eta$ street_up (%) :	0.4
NOMINAL POWER(W) :	58	MAXIMUM(C, $\gamma$ :	150,66.0	$\eta$ street_down (%) :	52.9
RATED VOLTAGE (V) :	220	TOTAL FLUX(lm) :	6490	$\eta$ house_up (%) :	0.3
NOMINAL FLUX(lm) :	6490.4	EFFICIENCY(%) :	100.0	$\eta$ house_down (%) :	46.3
TEST FLUX(lm:	6490	$\eta$ up (%) :	0.8		
LAMPS QUANTITY:	1	$\eta$ down (%) :	99.2		

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS

LUMINOUS INTENSITY DISTRIBUTION



Test:U:220.8V I:0.274A P:57.09W PF:0.942

Test System:LSG-1600  
Temperature:23.5DEG  
Operators:REGAIP DASTAN  
Test Date:02-06-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:52.0%  
Test Distance:9.545 m  
Remarks: SPA S CW 90x120 D 60W 220V AC IP66

ZONAL FLUX DIAGRAM

Report number: 0001323

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE:STREET POLE	WEIGHT:5.1
SPECIFICATION:STREET POLE ARES	DIMENSION: 525x250x102	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	1624	1737	1775	1735	1633	1511	1457	1490	0- 5	38.69	38.69
10.0	1601	1829	1929	1852	1627	1401	1320	1374	5- 10	115.5	154.2
15.0	1581	1931	2036	1955	1622	1299	1212	1270	10- 15	191.3	345.5
20.0	1562	2011	2088	2037	1626	1211	1131	1180	15- 20	264.8	610.4
25.0	1544	2067	2091	2099	1645	1133	1081	1106	20- 25	335.4	945.8
30.0	1537	2123	2054	2141	1679	1069	1057	1054	25- 30	402.5	1348
35.0	1540	2167	2008	2148	1717	1019	1040	1012	30- 35	466.6	1815
40.0	1548	2181	1982	2150	1757	970.7	1005	967.3	35- 40	526.5	2342
45.0	1557	2203	1958	2206	1778	926.1	932.0	916.9	40- 45	580.2	2922
50.0	1544	2287	1885	2267	1773	869.7	874.0	866.3	45- 50	628.0	3550
55.0	1508	2379	1516	2370	1740	801.2	765.4	792.0	50- 55	656.7	4207
60.0	1443	2570	979.9	2157	1681	675.8	550.4	661.8	55- 60	641.1	4848
65.0	1340	2543	580.5	1260	1581	448.1	262.5	446.6	60- 65	580.1	5428
70.0	1199	1448	224.1	281.7	1384	195.5	131.1	216.5	65- 70	472.1	5900
75.0	900.5	301.5	82.17	143.9	1025	75.70	27.24	93.56	70- 75	321.5	6222
80.0	520.4	118.9	47.37	78.62	355.0	26.87	4.008	33.25	75- 80	165.1	6387
85.0	87.00	47.64	23.41	27.24	29.70	9.019	3.279	8.381	80- 85	44.92	6432
90.0	15.12	11.84	8.472	6.468	6.468	8.290	3.462	7.015	85- 90	8.731	6441
95.0	10.11	3.735	5.193	3.644	6.650	9.110	4.008	7.744	90- 95	3.643	6444
100.0	10.47	4.099	5.193	4.008	7.561	10.02	4.828	8.746	95-100	3.608	6448
105.0	10.84	4.646	5.375	4.464	8.290	10.75	5.921	9.839	100-105	3.874	6452
110.0	11.11	5.193	5.739	5.010	8.837	11.29	7.106	10.56	105-110	4.089	6456
115.0	11.38	5.739	6.013	5.466	9.292	11.57	8.108	11.29	110-115	4.237	6460
120.0	11.57	6.104	6.377	5.921	9.657	11.75	9.110	11.66	115-120	4.292	6464
125.0	11.47	6.559	6.650	6.286	9.748	12.02	9.748	11.93	120-125	4.237	6469
130.0	11.20	6.924	6.833	6.559	9.748	12.02	10.29	12.11	125-130	4.081	6473
135.0	10.93	7.197	7.106	6.833	9.748	12.02	10.75	12.11	130-135	3.845	6476
140.0	10.65	7.470	7.288	7.106	9.657	11.75	11.11	12.02	135-140	3.544	6480
145.0	10.38	7.652	7.470	7.379	9.657	11.38	11.38	11.66	140-145	3.196	6483
150.0	10.29	7.926	7.561	7.561	9.748	11.02	11.29	11.20	145-150	2.810	6486
155.0	10.11	8.199	7.744	7.835	9.748	10.75	11.20	10.84	150-155	2.407	6488
160.0	10.02	8.472	8.017	8.017	9.839	10.47	11.02	10.56	155-160	1.991	6490
165.0	0	0	0	0	0	0	0	0	160-165	0	6490
170.0	0	0	0	0	0	0	0	0	165-170	0	6490
175.0	0	0	0	0	0	0	0	0	170-175	0	6490
180.0	0	0	0	0	0	0	0	0	175-180	0	6490
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

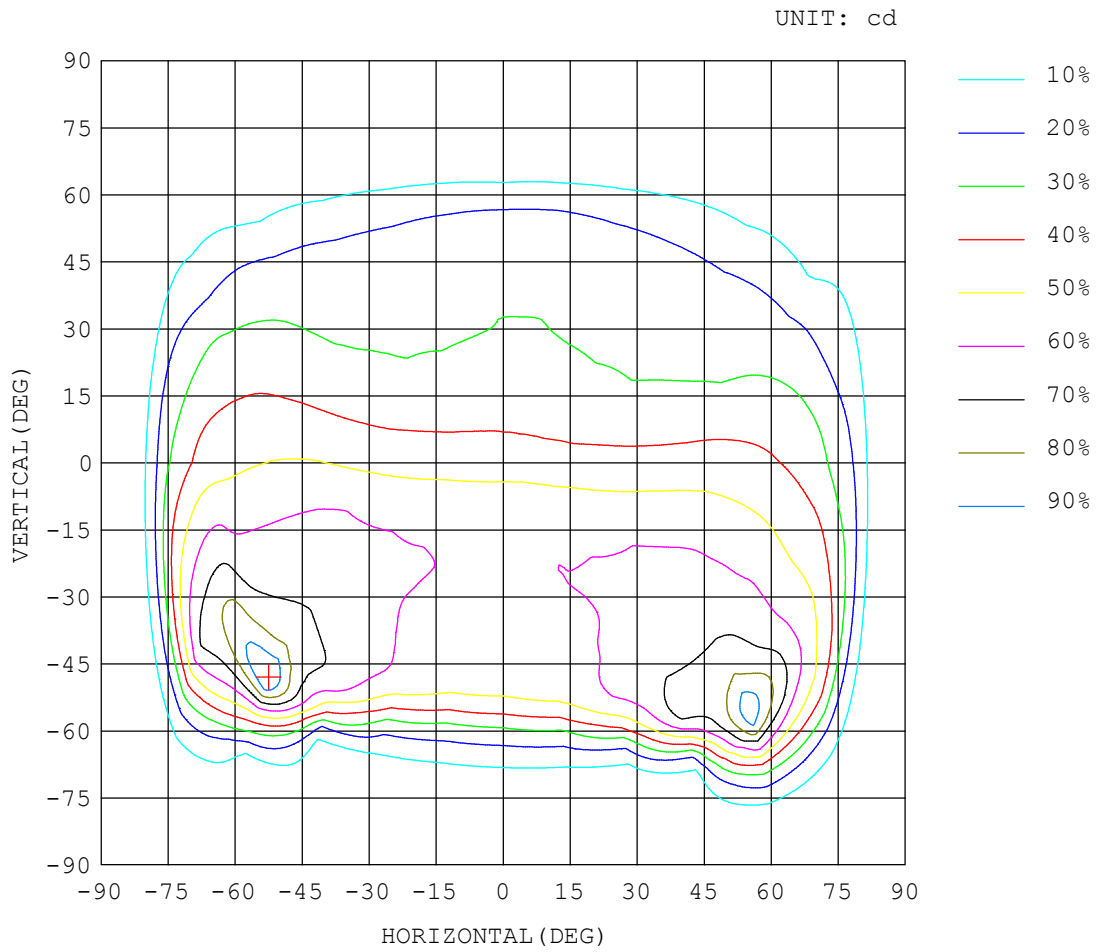
Test System:LSG-1600  
 Temperature:23.5DEG  
 Operators:REGAIP DASTAN  
 Test Date:02-06-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity:52.0%  
 Test Distance:9.545 m  
 Remarks: SPA S CW 90x120 D 60W 220V AC IP66

## ISOCANDELA DIAGRAM

Report number: 0001323

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE: STREET POLE	WEIGHT: 5.1
SPECIFICATION: STREET POLE ARES	DIMENSION: 525x250x102	SERIAL No.:



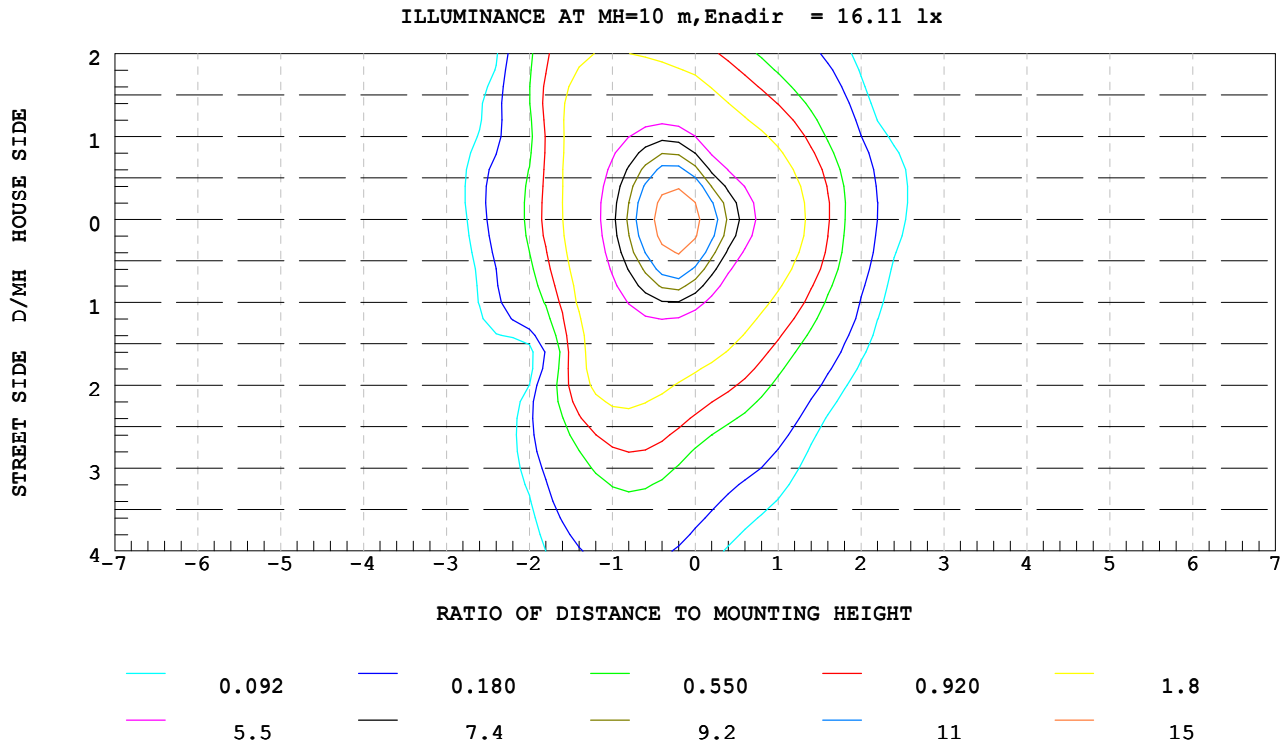
Test System: LSG-1600  
Temperature: 23.5 DEG  
Operators: REGAIP DASTAN  
Test Date: 02-06-2017

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
Humidity: 52.0%  
Test Distance: 9.545 m  
Remarks: SPA S CW 90x120 D 60W 220V AC IP6S

## ISOLUX DIAGRAM

Report number: 0001323

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE: STREET POLE	WEIGHT: 5.1
SPECIFICATION: STREET POLE ARES	DIMENSION: 525x250x102	SERIAL No.:



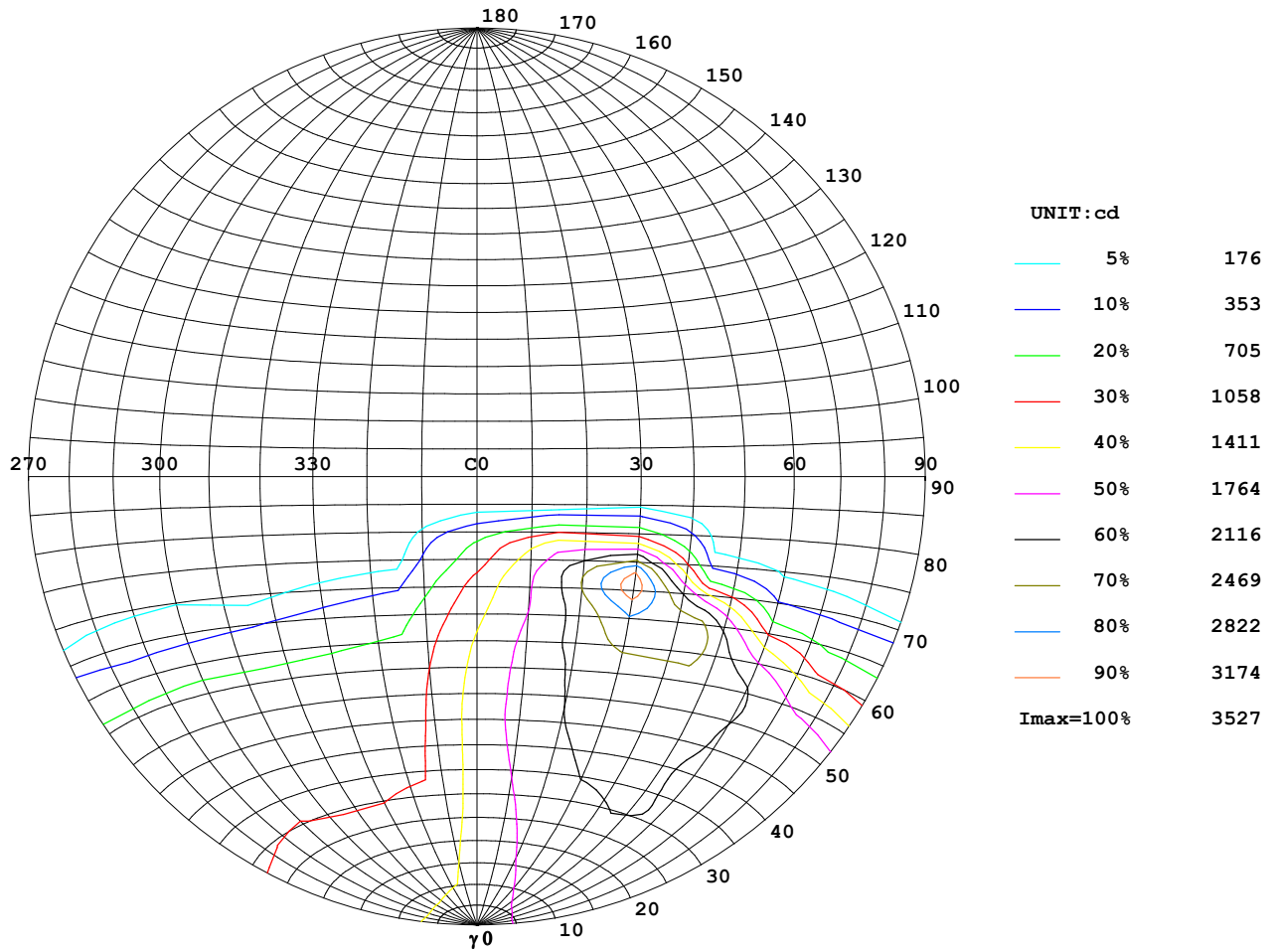
Test System: LSG-1600  
Temperature: 23.5 DEG  
Operators: REGAIP DASTAN  
Test Date: 02-06-2017

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
Humidity: 52.0%  
Test Distance: 9.545 m  
Remarks: SPA S CW 90x120 D 60W 220V AC IP66

## ISOCANDELA DIAGRAM

Report number: 0001323

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE: STREET POLE	WEIGHT: 5.1
SPECIFICATION: STREET POLE ARES	DIMENSION: 525x250x102	SERIAL No.:



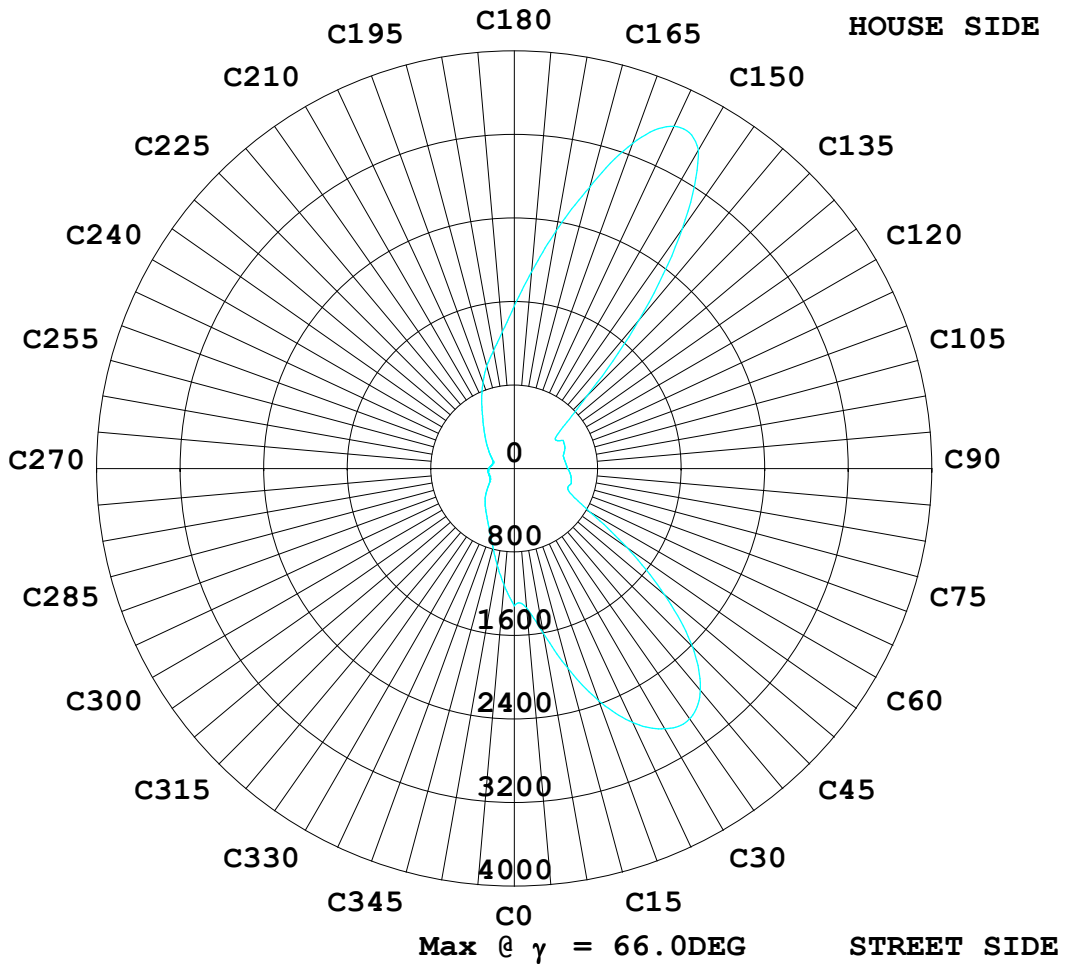
Test System: LSG-1600  
Temperature: 23.5 DEG  
Operators: REGAIP DASTAN  
Test Date: 02-06-2017

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
Humidity: 52.0%  
Test Distance: 9.545 m  
Remarks: SPA S CW 90x120 D 60W 220V AC IP66

## ISOCANDELA DIAGRAM

Report number: 0001323

MANUFACTURER: FIBERLI	Address: PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE: STREET POLE	WEIGHT: 5.1
SPECIFICATION: STREET POLE ARES	DIMENSION: 525x250x102	SERIAL No.:



Test System: LSG-1600  
 Temperature: 23.5DEG  
 Operators: REGAIP DASTAN  
 Test Date: 02-06-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 52.0%  
 Test Distance: 9.545 m  
 Remarks: SPA S CW 90x120 D 60W 220V AC IP66

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0001323

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE:STREET POLE	WEIGHT:5.1
SPECIFICATION:STREET POLE ARES	DIMENSION: 525x250x102	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	1636	1631	1626	1624	1618	1618	1611	1612	1608	1610	1607	1613	1636	1631	1626
5.0	1624	1660	1701	1737	1756	1773	1775	1772	1756	1735	1700	1664	1633	1587	1544
10.0	1601	1679	1762	1829	1880	1919	1929	1924	1897	1852	1784	1714	1627	1539	1460
15.0	1581	1708	1827	1931	1986	2023	2036	2032	2005	1955	1874	1762	1622	1493	1379
20.0	1562	1736	1899	2011	2058	2083	2088	2087	2073	2037	1955	1825	1626	1453	1305
25.0	1544	1773	1966	2067	2102	2100	2091	2091	2102	2099	2043	1901	1645	1419	1237
30.0	1537	1827	2042	2123	2108	2072	2054	2051	2086	2141	2125	1990	1679	1395	1177
35.0	1540	1894	2126	2167	2087	2023	2008	2009	2057	2148	2198	2081	1717	1380	1132
40.0	1548	1967	2200	2181	2074	2005	1982	1991	2056	2150	2257	2172	1757	1365	1088
45.0	1557	2021	2258	2203	2102	1989	1958	1964	2054	2206	2309	2220	1778	1353	1054
50.0	1544	2035	2297	2287	2121	1970	1885	1895	2059	2267	2377	2242	1773	1326	1007
55.0	1508	2044	2338	2379	2140	1696	1516	1520	1823	2370	2559	2277	1740	1290	941
60.0	1443	2038	2549	2570	1788	1149	980	957	1219	2157	2819	2354	1681	1191	839
65.0	1340	1987	2797	2543	1020	641	581	556	628	1260	3500	2760	1581	1057	669
70.0	1199	2012	3390	1448	368	270	224	208	244	282	2361	2724	1384	777	353
75.0	901	1886	2554	302	163	144	82.1	85.0	143	144	812	2147	1025	430	130
80.0	520	1053	940	119	98.8	77.4	47.3	42.8	76.5	78.6	140	731	355	130	36.8
85.0	87.0	106	149	47.6	43.0	30.7	23.4	17.9	29.4	27.2	47.8	95.8	29.7	24.2	11.0
90.0	15.1	14.4	25.7	11.8	13.1	8.65	8.47	5.19	9.47	6.46	11.2	7.47	6.46	10.1	7.19
95.0	10.1	5.37	8.01	3.73	5.83	3.37	5.19	3.27	5.64	3.64	6.83	4.82	6.65	10.4	8.47
100.0	10.4	6.19	7.56	4.09	5.64	3.64	5.19	3.64	5.55	4.00	6.65	5.37	7.56	11.1	9.56
105.0	10.8	6.83	7.56	4.64	5.73	4.09	5.37	4.09	5.73	4.46	6.74	5.92	8.29	11.4	10.2
110.0	11.1	7.47	7.74	5.19	6.01	4.55	5.73	4.64	5.92	5.01	7.01	6.46	8.83	11.7	10.6
115.0	11.3	8.01	7.92	5.73	6.28	5.10	6.01	5.10	6.28	5.46	7.10	6.83	9.29	12.1	11.1
120.0	11.5	8.47	8.10	6.10	6.65	5.64	6.37	5.64	6.55	5.92	7.37	7.19	9.65	12.2	11.6
125.0	11.4	8.65	8.29	6.55	6.83	6.01	6.65	6.01	6.74	6.28	7.56	7.56	9.74	12.1	11.9
130.0	11.2	8.83	8.47	6.92	7.10	6.28	6.83	6.37	7.01	6.55	7.74	7.74	9.74	11.6	11.8
135.0	10.9	9.01	8.65	7.19	7.28	6.55	7.10	6.65	7.19	6.83	7.83	7.92	9.74	11.1	11.3
140.0	10.6	9.11	8.74	7.47	7.47	6.92	7.28	6.92	7.47	7.10	7.92	8.01	9.65	10.8	11.0
145.0	10.3	9.20	8.74	7.65	7.65	7.10	7.47	7.19	7.56	7.37	8.10	8.19	9.65	10.5	10.6
150.0	10.2	9.29	8.92	7.92	7.74	7.28	7.56	7.47	7.74	7.56	8.19	8.29	9.74	10.2	10.3
155.0	10.1	9.38	9.01	8.19	7.92	7.65	7.74	7.74	7.92	7.83	8.38	8.38	9.74	10.2	10.2
160.0	10.0	9.47	9.11	8.47	8.29	7.92	8.01	8.01	8.10	8.01	8.47	8.65	9.83	10.0	10.1
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:LSG-1600  
Temperature:23.5DEG  
Operators:REGAIP DASTAN  
Test Date:02-06-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)  
Humidity:52.0%  
Test Distance:9.545 m  
Remarks: SPA S CW 90x120 D 60W 220V AC IP66

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0001323

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: SPA S CW 90x120 D 60W 220V AC IP66	TYPE:STREET POLE	WEIGHT:5.1
SPECIFICATION:STREET POLE ARES	DIMENSION: 525x250x102	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1624	1618	1618	1611	1612	1608	1610	1607	1613
5.0	1511	1485	1470	1457	1461	1468	1490	1514	1554
10.0	1401	1358	1333	1320	1325	1339	1374	1417	1486
15.0	1299	1250	1223	1212	1219	1234	1270	1326	1420
20.0	1211	1158	1135	1131	1140	1147	1180	1241	1354
25.0	1133	1090	1081	1081	1087	1090	1106	1162	1288
30.0	1069	1038	1049	1057	1059	1054	1054	1096	1228
35.0	1019	997	1031	1040	1043	1029	1012	1040	1178
40.0	971	949	980	1005	1019	992	967	991	1134
45.0	926	896	920	932	938	931	917	938	1099
50.0	870	839	856	874	883	864	866	894	1063
55.0	801	751	756	765	781	776	792	830	1022
60.0	676	576	546	550	585	595	662	740	947
65.0	448	321	247	263	275	330	447	576	823
70.0	196	141	131	131	168	129	217	326	610
75.0	75.7	58.5	61.9	27.2	49.1	67.3	93.5	118	292
80.0	26.8	11.8	9.47	4.00	9.11	12.9	33.2	42.1	103
85.0	9.01	3.91	5.83	3.27	5.64	3.37	8.38	11.9	27.3
90.0	8.29	4.55	5.46	3.46	5.37	3.64	7.01	6.46	10.9
95.0	9.11	5.73	5.83	4.00	5.46	4.46	7.74	7.56	10.2
100.0	10.0	7.01	6.55	4.82	6.01	5.64	8.74	8.83	10.9
105.0	10.7	8.19	7.47	5.92	6.92	6.83	9.83	9.83	11.5
110.0	11.2	9.20	8.47	7.10	7.92	8.10	10.5	10.6	11.8
115.0	11.5	9.93	9.38	8.10	8.92	9.11	11.2	11.1	12.1
120.0	11.7	10.3	10.1	9.11	9.74	10.0	11.6	11.4	12.2
125.0	12.0	10.6	10.5	9.74	10.3	10.4	11.9	11.8	12.4
130.0	12.0	11.0	10.9	10.2	10.8	10.8	12.1	12.0	12.3
135.0	12.0	11.2	11.3	10.7	11.2	11.1	12.1	11.8	11.8
140.0	11.7	11.3	11.6	11.1	11.4	11.2	12.0	11.4	11.4
145.0	11.3	11.2	11.6	11.3	11.5	11.2	11.6	11.0	11.1
150.0	11.0	11.0	11.4	11.2	11.3	11.0	11.2	10.6	10.7
155.0	10.7	10.7	11.2	11.2	11.1	10.7	10.8	10.3	10.4
160.0	10.4	10.5	10.9	11.0	10.8	10.5	10.5	10.2	10.2
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:LSG-1600  
 Temperature:23.5DEG  
 Operators:REGAIP DASTAN  
 Test Date:02-06-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity:52.0%  
 Test Distance:9.545 m  
 Remarks: SPA S CW 90x120 D 60W 220V AC IP66