

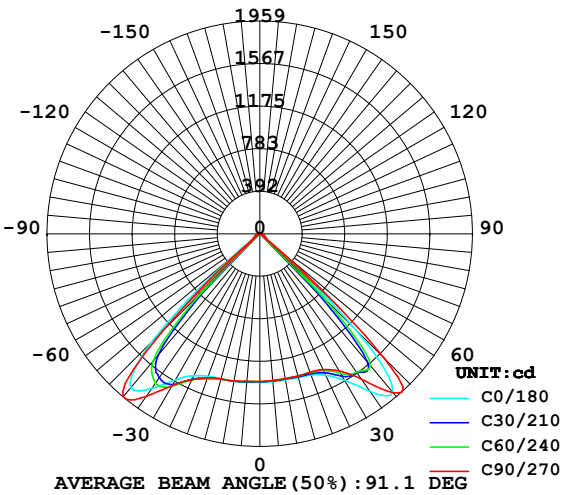
PHOTOMETRIC TEST REPORT

Report number: 0001604

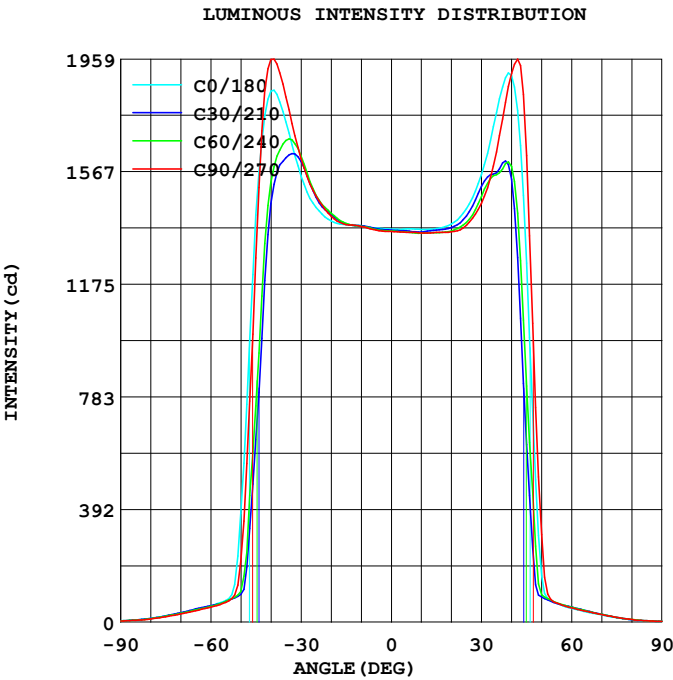
MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	SERIAL No.:

TEST DATA:					
MODEL:	WS S	Imax (cd) :	1965	η street_up(%) :	0.4
NOMINAL POWER(W) :	25	MAXIMUM(C, γ):	345,41.0	η street_down(%) :	54.8
RATED VOLTAGE (V) :	222	TOTAL FLUX(lm) :	3066	η house_up(%)	0.3
NOMINAL FLUX(lm) :	3065.9	EFFICIENCY(%) :	100.0	η house_down(%) :	44.5
TEST FLUX(lm:	3066	η up(%) :	0.7		
LAMPS QUANTITY:	1	η down(%) :	99.3		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:221.0V I:0.116A P:24.87W PF:0.970

Test System:LSG-1600	Test Set: 2.0deg/s C-Gamma (TYPE C)
Temperature:24.1DEG	Humidity:54.0%
Operators:REGAIP DASTAN	Test Distance:9.545 m
Test Date:10-24-2017	Remarks: WS SMALL 72LED CW 90D 25W 220V IP66

ZONAL FLUX DIAGRAM

Report number: 0001604

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	1371	1367	1363	1358	1368	1359	1356	1355	0- 5	32.52	32.52
10.0	1379	1377	1376	1359	1366	1355	1354	1355	5- 10	97.51	130.0
15.0	1382	1386	1383	1364	1369	1359	1355	1349	10- 15	161.9	292.0
20.0	1395	1424	1412	1392	1384	1366	1357	1358	15- 20	226.8	518.8
25.0	1442	1489	1483	1467	1438	1401	1380	1399	20- 25	296.1	815.0
30.0	1553	1606	1613	1601	1557	1497	1457	1504	25- 30	379.6	1195
35.0	1739	1601	1827	1762	1772	1537	1635	1668	30- 35	481.5	1676
40.0	1847	1403	1957	1588	1901	1513	1908	1849	35- 40	581.5	2258
45.0	1415	555.9	1266	480.1	1249	600.3	1623	790.9	40- 45	496.5	2754
50.0	378.2	85.82	210.5	81.81	160.9	95.75	304.2	98.66	45- 50	163.9	2918
55.0	75.34	65.14	68.87	60.22	65.59	71.70	66.32	71.06	50- 55	35.85	2954
60.0	56.39	52.84	51.93	48.92	47.46	59.49	49.28	56.21	55- 60	26.82	2981
65.0	43.18	43.18	39.90	38.72	35.53	47.10	37.62	46.10	60- 65	21.95	3003
70.0	31.88	30.42	28.42	26.78	24.78	32.79	26.05	32.34	65- 70	16.79	3020
75.0	21.59	20.31	18.67	16.85	15.30	21.04	16.30	21.50	70- 75	11.73	3031
80.0	12.93	10.56	10.84	8.199	8.017	11.29	8.928	11.93	75- 80	7.123	3039
85.0	7.197	5.466	6.286	4.008	4.282	6.559	4.555	6.195	80- 85	3.870	3042
90.0	4.464	2.733	4.008	2.550	2.642	3.917	2.642	4.099	85- 90	2.273	3045
95.0	3.735	2.550	3.644	2.550	2.642	3.644	2.550	3.735	90- 95	1.729	3046
100.0	3.553	2.550	3.553	2.642	2.642	3.462	2.550	3.553	95-100	1.674	3048
105.0	3.462	2.733	3.462	2.642	2.824	3.462	2.733	3.462	100-105	1.638	3050
110.0	3.644	2.824	3.826	2.915	3.097	3.462	2.915	3.462	105-110	1.648	3051
115.0	4.282	3.462	4.555	3.735	3.826	3.735	3.644	3.735	110-115	1.814	3053
120.0	5.010	4.373	5.284	4.646	4.737	4.464	4.464	4.555	115-120	2.104	3055
125.0	5.921	5.375	6.195	5.739	5.739	5.375	5.466	5.466	120-125	2.427	3058
130.0	6.741	6.286	6.924	6.741	6.377	6.195	6.286	6.377	125-130	2.672	3060
135.0	7.015	7.288	7.106	7.652	6.924	7.015	6.650	7.288	130-135	2.782	3063
140.0	7.470	7.744	7.561	8.108	7.561	7.652	7.197	7.835	135-140	2.754	3066
145.0	0	0	0	0	0	0	0	0	140-145	0	3066
150.0	0	0	0	0	0	0	0	0	145-150	0	3066
155.0	0	0	0	0	0	0	0	0	150-155	0	3066
160.0	0	0	0	0	0	0	0	0	155-160	0	3066
165.0	0	0	0	0	0	0	0	0	160-165	0	3066
170.0	0	0	0	0	0	0	0	0	165-170	0	3066
175.0	0	0	0	0	0	0	0	0	170-175	0	3066
180.0	0	0	0	0	0	0	0	0	175-180	0	3066
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

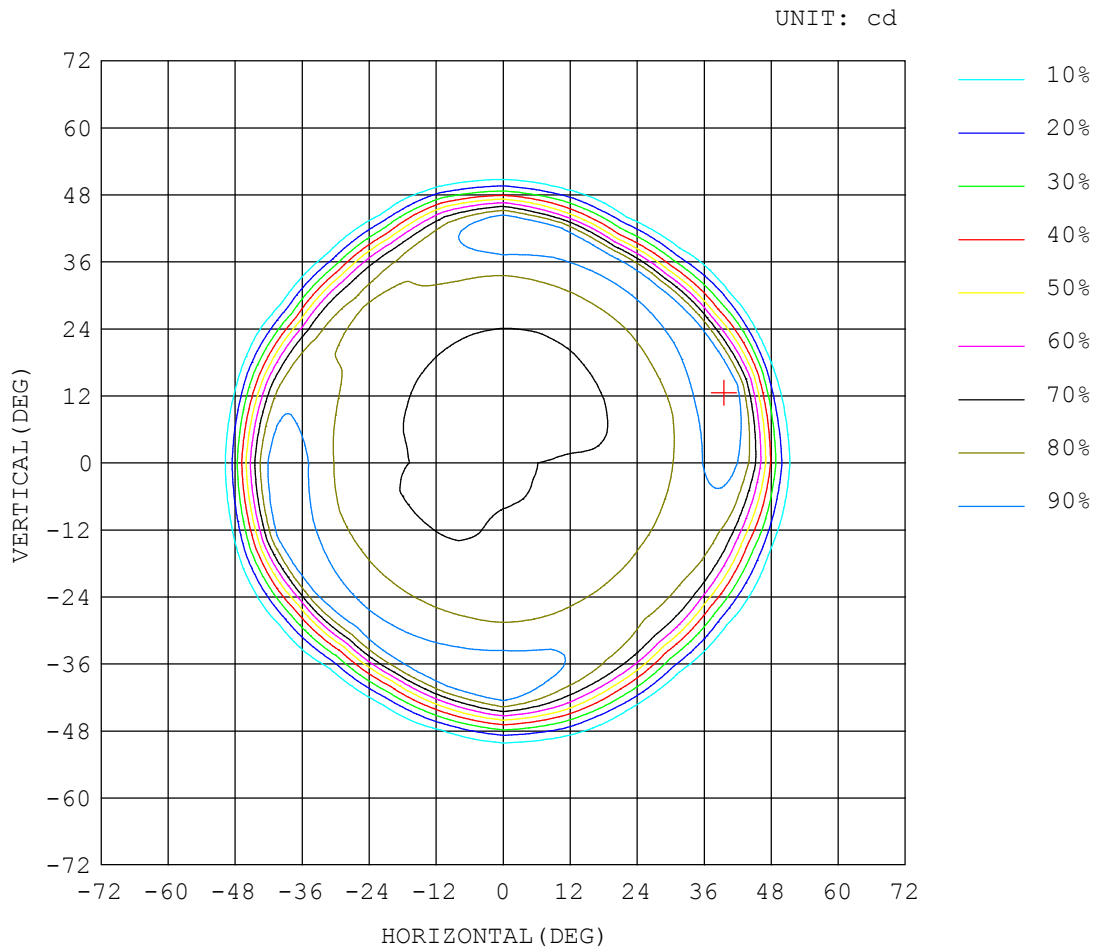
Test System:LSG-1600
Temperature:24.1DEG
Operators:REGAIP DASTAN
Test Date:10-24-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: WS SMALL 72LED CW 90D 25W 220V IP66

ISOCANDELA DIAGRAM

Report number: 0001604

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	SERIAL No.:



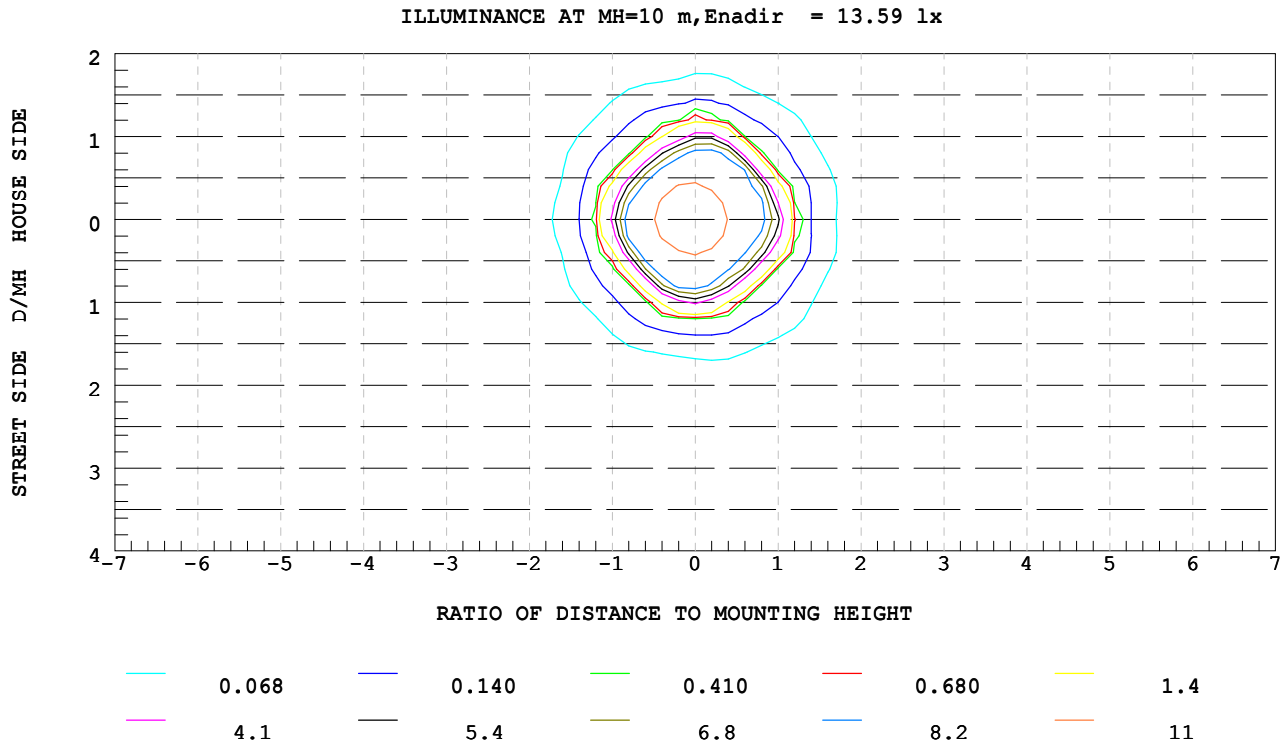
Test System:LSG-1600
 Temperature:24.1DEG
 Operators:REGAIP DASTAN
 Test Date:10-24-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity:54.0%
 Test Distance:9.545 m
 Remarks: WS SMALL 72LED CW 90D 25W 220V IP66

ISOLUX DIAGRAM

Report number: 0001604

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	SERIAL No.:



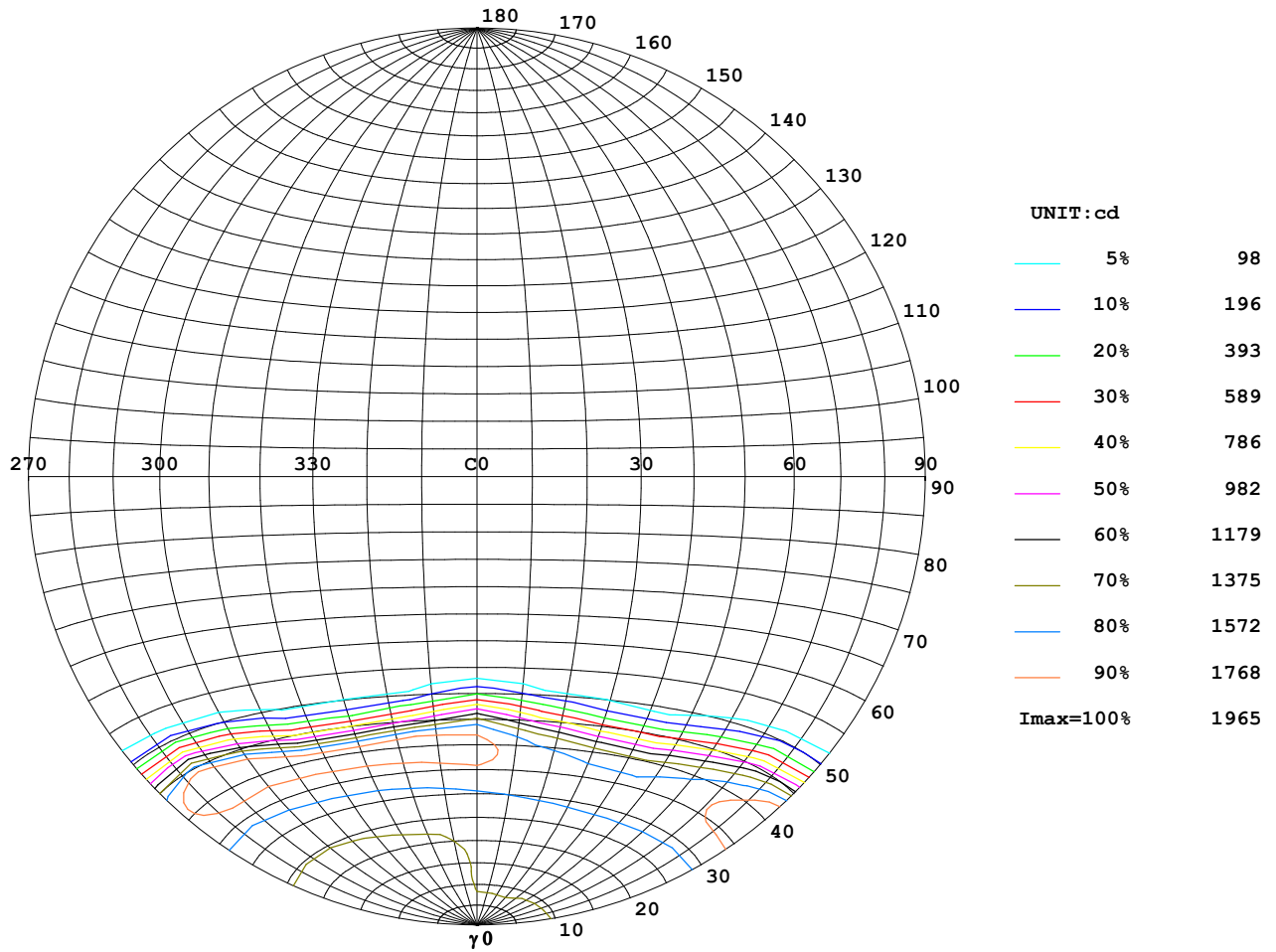
Test System:LSG-1600
 Temperature:24.1DEG
 Operators:REGAIP DASTAN
 Test Date:10-24-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)
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Report number: 0001604

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NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	SERIAL No.:



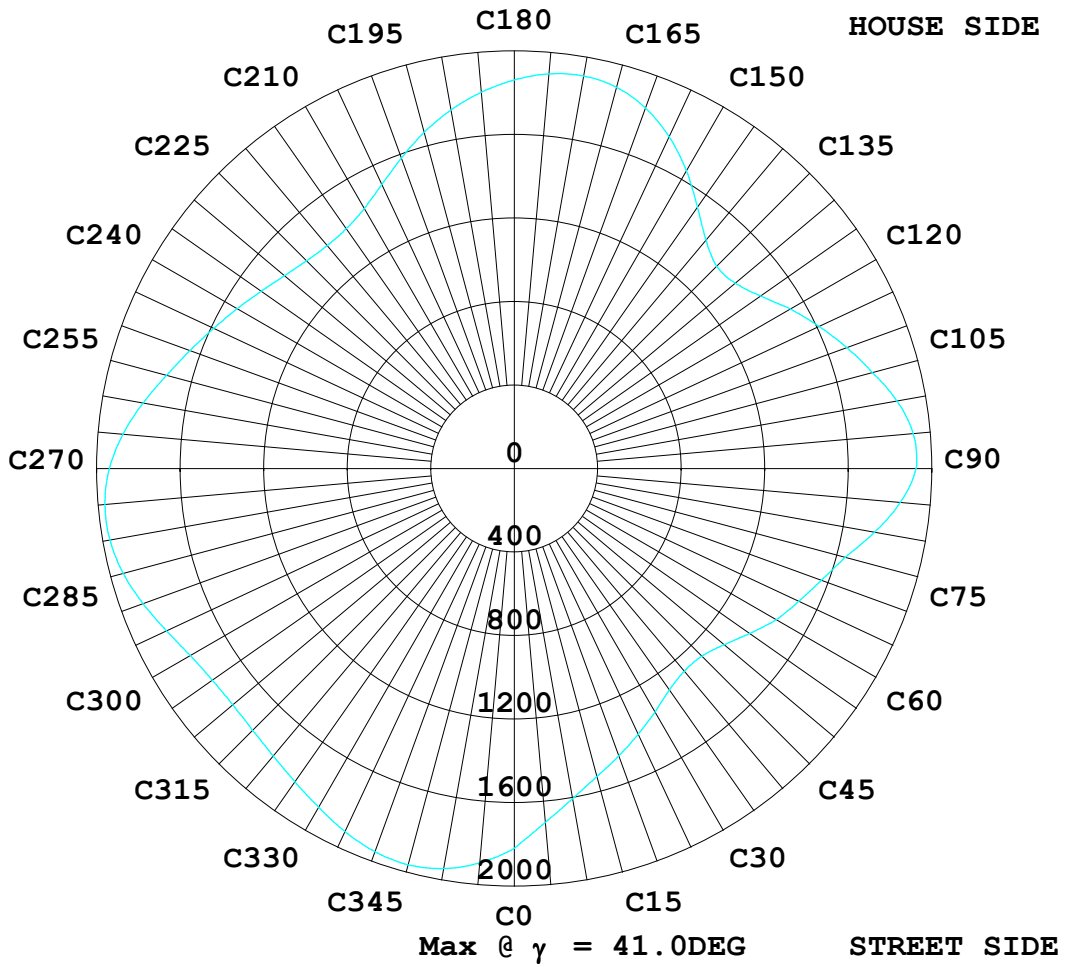
Test System:LSG-1600
 Temperature:24.1DEG
 Operators:REGAIP DASTAN
 Test Date:10-24-2017

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 Humidity:54.0%
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ISOCANDELA DIAGRAM

Report number: 0001604

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	SERIAL No.:



Test System:LSG-1600
 Temperature:24.1DEG
 Operators:REGAIP DASTAN
 Test Date:10-24-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity:54.0%
 Test Distance:9.545 m
 Remarks: WS SMALL 72LED CW 90D 25W 220V IP66

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0001604

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	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	1367	1365	1364	1362	1361	1359	1359	1357	1356	1356	1354	1355	1367	1365	1364
5.0	1371	1369	1369	1367	1365	1364	1363	1361	1360	1358	1355	1355	1368	1364	1361
10.0	1379	1378	1379	1377	1377	1378	1376	1371	1364	1359	1357	1356	1366	1361	1357
15.0	1382	1383	1385	1386	1387	1386	1383	1378	1369	1364	1360	1354	1369	1367	1363
20.0	1395	1408	1418	1424	1423	1418	1412	1406	1398	1392	1385	1377	1384	1375	1372
25.0	1442	1459	1478	1489	1485	1481	1483	1483	1478	1467	1449	1432	1438	1417	1412
30.0	1553	1585	1602	1606	1622	1617	1613	1622	1616	1601	1583	1553	1557	1532	1516
35.0	1739	1678	1615	1601	1676	1781	1827	1805	1783	1762	1751	1748	1772	1665	1563
40.0	1847	1586	1456	1403	1529	1710	1957	1866	1707	1588	1788	1916	1901	1704	1540
45.0	1415	910	635	556	752	1064	1266	923	605	480	696	1122	1249	1001	617
50.0	378	146	95.8	85.8	106	180	211	107	91.1	81.8	95.9	139	161	117	87.6
55.0	75.3	67.7	71.6	65.1	71.8	65.4	68.8	61.6	65.3	60.2	70.1	64.8	65.5	72.0	64.7
60.0	56.3	51.3	56.9	52.8	54.8	48.1	51.9	46.8	52.0	48.9	53.0	47.5	47.4	53.3	52.3
65.0	43.1	39.9	45.7	43.1	42.5	36.8	39.9	35.2	40.2	38.7	40.4	35.8	35.5	40.4	39.3
70.0	31.8	28.6	32.3	30.4	30.7	26.1	28.4	25.0	28.9	26.7	28.6	25.0	24.7	28.4	26.8
75.0	21.5	18.9	21.9	20.3	20.6	17.1	18.6	15.7	18.9	16.8	18.4	15.4	15.3	18.4	16.4
80.0	12.9	10.7	12.7	10.5	12.1	9.38	10.8	8.47	10.2	8.19	10.3	8.10	8.01	10.5	8.65
85.0	7.19	5.55	7.37	5.46	7.01	4.91	6.28	4.19	5.83	4.00	5.73	4.19	4.28	6.19	4.64
90.0	4.46	3.00	4.37	2.73	4.00	2.64	4.00	2.55	3.82	2.55	3.82	2.55	2.64	3.91	2.55
95.0	3.73	2.45	3.64	2.55	3.64	2.55	3.64	2.55	3.64	2.55	3.64	2.55	2.64	3.73	2.55
100.0	3.55	2.55	3.55	2.55	3.55	2.55	3.55	2.55	3.46	2.64	3.46	2.64	2.64	3.55	2.64
105.0	3.46	2.64	3.46	2.73	3.37	2.73	3.46	2.73	3.37	2.64	3.37	2.64	2.82	3.46	2.64
110.0	3.64	2.91	3.46	2.82	3.55	3.09	3.82	3.09	3.55	2.91	3.64	3.09	3.09	3.55	2.82
115.0	4.28	3.64	4.00	3.46	4.09	3.82	4.55	3.91	4.19	3.73	4.28	3.91	3.82	4.00	3.37
120.0	5.01	4.46	4.73	4.37	4.82	4.73	5.28	4.82	5.10	4.64	5.19	4.82	4.73	4.82	4.19
125.0	5.92	5.46	5.64	5.37	5.73	5.73	6.19	5.83	6.01	5.73	6.01	5.83	5.73	5.64	5.10
130.0	6.74	6.28	6.55	6.28	6.55	6.46	6.92	6.55	6.83	6.74	6.83	6.65	6.37	6.46	6.10
135.0	7.01	7.01	7.28	7.28	7.37	7.01	7.10	7.19	7.74	7.65	7.56	7.01	6.92	7.10	7.01
140.0	7.47	7.47	7.74	7.74	7.74	7.56	7.56	7.65	8.01	8.10	7.92	7.47	7.56	7.56	7.56
145.0	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
150.0	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
155.0	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
160.0	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
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:24.1DEG
Operators:REGAIP DASTAN
Test Date:10-24-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:54.0%
Test Distance:9.545 m
Remarks: WS SMALL 72LED CW 90D 25W 220V IP66

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0001604

MANUFACTURER: FIBERLI	Address:PSL ELEKTRONIK ANTALYA	
NAME: WS SMALL 72LED CW 90D 25W 220V IP66	TYPE:WALL WASHER	WEIGHT:
SPECIFICATION:WALL WASHER	DIMENSION: 210*142*73	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1362	1361	1359	1359	1357	1356	1356	1354	1355
5.0	1359	1357	1355	1356	1356	1356	1355	1355	1357
10.0	1355	1353	1351	1354	1357	1356	1355	1356	1361
15.0	1359	1354	1355	1355	1352	1350	1349	1353	1362
20.0	1366	1360	1358	1357	1352	1354	1358	1365	1375
25.0	1401	1390	1382	1380	1380	1387	1399	1410	1424
30.0	1497	1481	1459	1457	1470	1491	1504	1519	1524
35.0	1537	1556	1623	1635	1650	1654	1668	1697	1721
40.0	1513	1585	1725	1908	1900	1856	1849	1894	1950
45.0	600	821	1374	1623	1247	786	791	1024	1515
50.0	95.7	94.6	239	304	178	90.7	98.6	118	235
55.0	71.7	67.6	76.3	66.3	73.4	65.1	71.0	66.8	72.8
60.0	59.4	51.5	54.7	49.2	55.3	51.5	56.2	50.4	53.7
65.0	47.1	38.9	41.8	37.6	41.9	40.2	46.1	38.8	41.6
70.0	32.7	26.8	29.6	26.0	30.0	27.8	32.3	27.1	30.1
75.0	21.0	16.6	19.5	16.3	19.4	17.6	21.5	17.3	19.9
80.0	11.2	9.11	11.3	8.92	11.2	9.01	11.9	9.38	11.6
85.0	6.55	4.82	6.55	4.55	6.28	4.37	6.19	4.64	6.55
90.0	3.91	2.55	4.09	2.64	4.00	2.55	4.09	2.64	4.19
95.0	3.64	2.55	3.73	2.55	3.73	2.55	3.73	2.55	3.73
100.0	3.46	2.64	3.55	2.55	3.55	2.64	3.55	2.55	3.55
105.0	3.46	2.64	3.46	2.73	3.46	2.64	3.46	2.64	3.46
110.0	3.46	2.82	3.55	2.91	3.46	2.82	3.46	2.82	3.64
115.0	3.73	3.37	4.09	3.64	4.00	3.37	3.73	3.37	4.09
120.0	4.46	4.19	4.82	4.46	4.73	4.19	4.55	4.28	4.91
125.0	5.37	5.10	5.64	5.46	5.64	5.19	5.46	5.28	5.73
130.0	6.19	6.10	6.46	6.28	6.46	6.19	6.37	6.19	6.46
135.0	7.01	6.83	6.92	6.65	7.19	7.10	7.28	6.92	7.01
140.0	7.65	7.47	7.37	7.19	7.47	7.65	7.83	7.47	7.37
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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:24.1DEG
Operators:REGAIP DASTAN
Test Date:10-24-2017

Test Set: 2.0deg/s C-Gamma (TYPE C)
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Remarks: WS SMALL 72LED CW 90D 25W 220V IP66