

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMARK

Report Number: P26564

Luminaire Tested: **LDWP-FC-6B-ED**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P26564  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDWP-FC-6B-ED  
Description: LUMARK WALPAK CUTOFF  
Light Source: (4) 5000K COB LEDS  
Ballast/Driver: [1] ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3192.5 lumens  
Efficiency: N/A  
Efficacy: 68.8 lumens/watt  
Luminous Opening: Rectangular (W 1.08' x L: 0.75' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

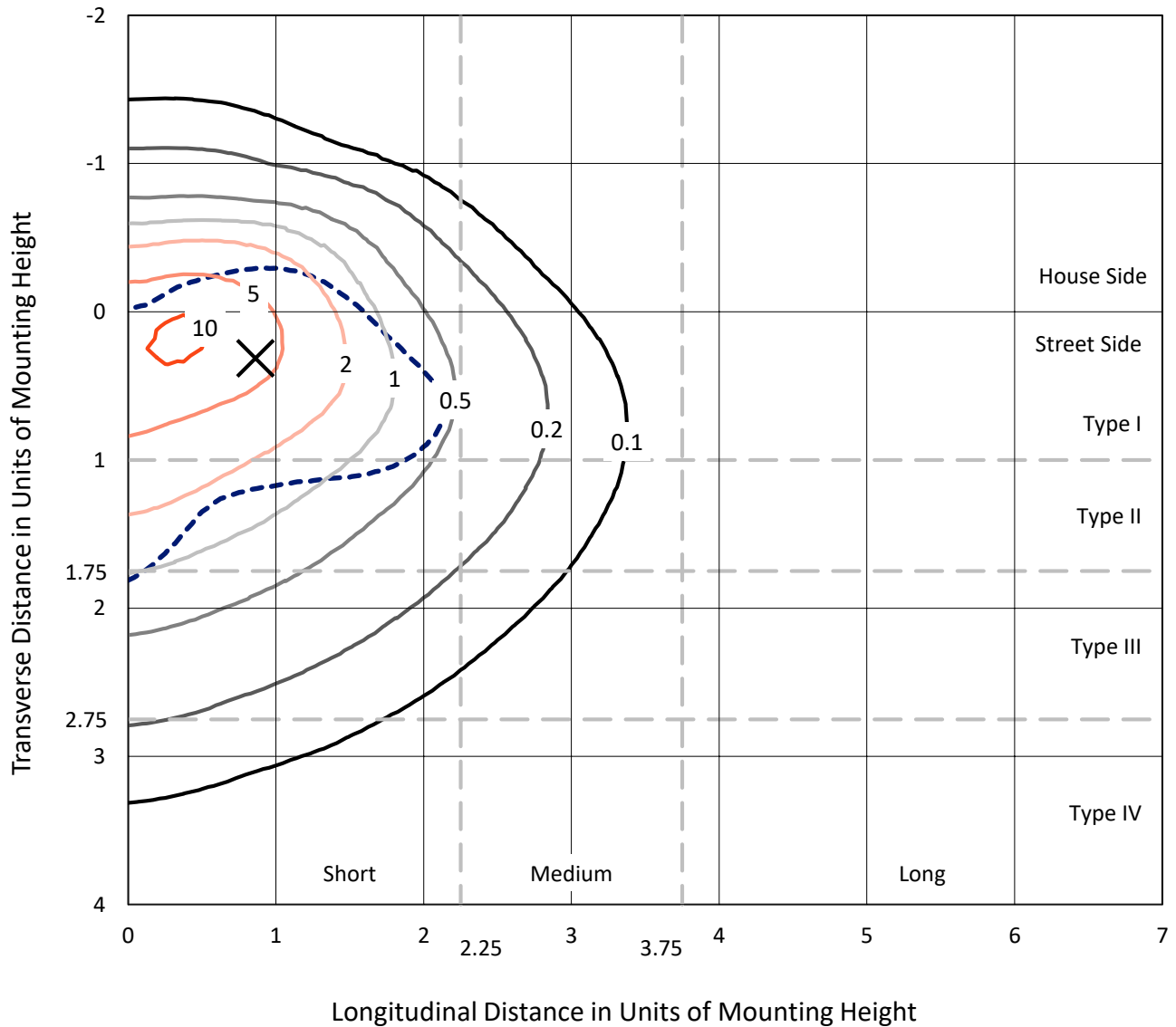
Input Watts (W): 46.4  
Input Voltage (V): 120.04  
Input Current (Ain): 0.38793  
Voltage Rise (V): NR  
Power Factor: 0.9984  
Total Harmonic Distortion (THDi): 4.80%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.6  
Test Distance: 25 FT



REPORT NUMBER: P26564  
 CATALOG NUMBER: LDWP-FC-6B-ED

### Iso-Footcandle Lines of Horizontal Illumination

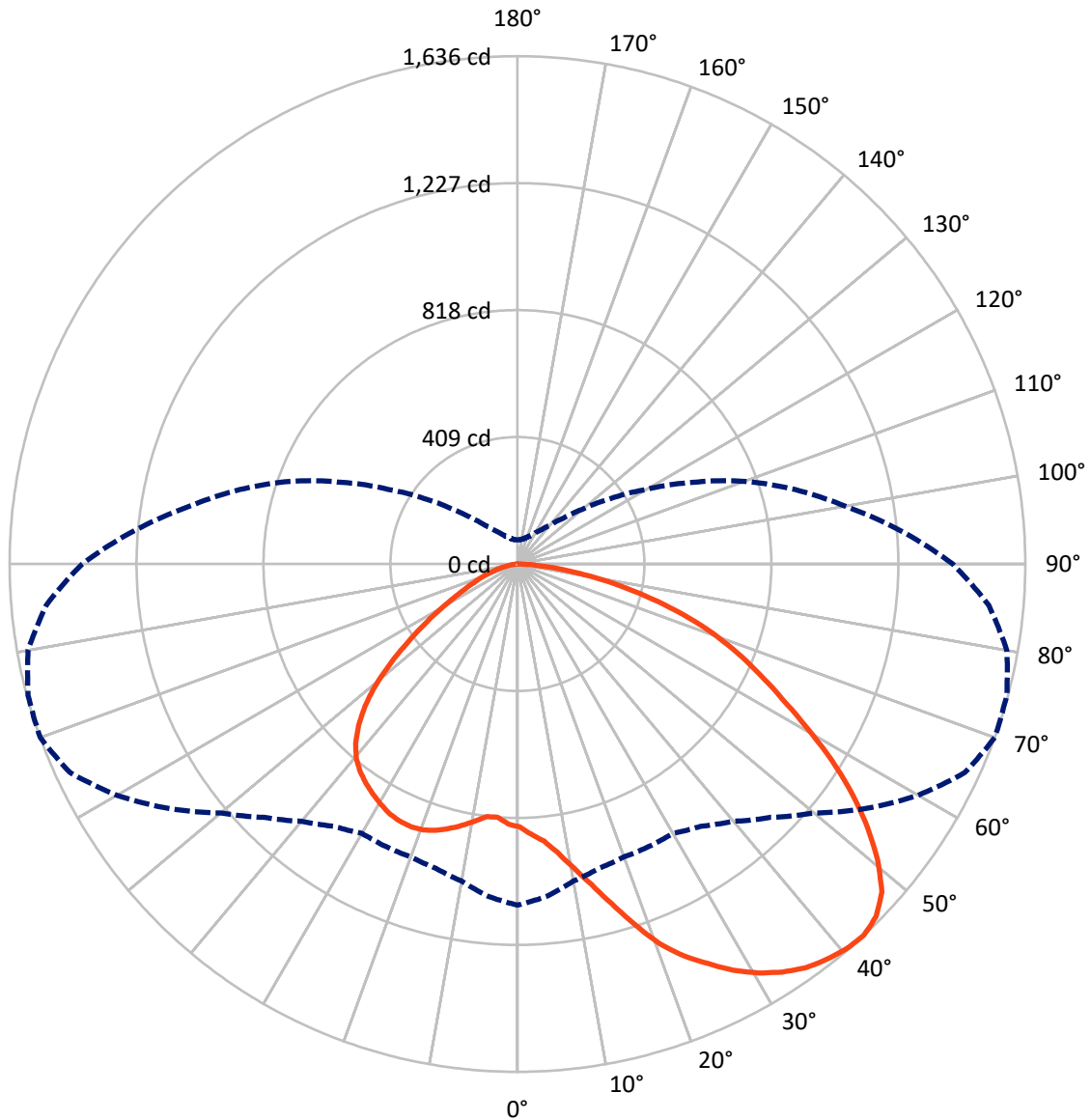
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc  
 Type III - Short - Full Cutoff

REPORT NUMBER: P26564  
CATALOG NUMBER: LDWP-FC-6B-ED

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 42.5-Deg Vertical

REPORT NUMBER: P26564

CATALOG NUMBER: LDWP-FC-6B-ED

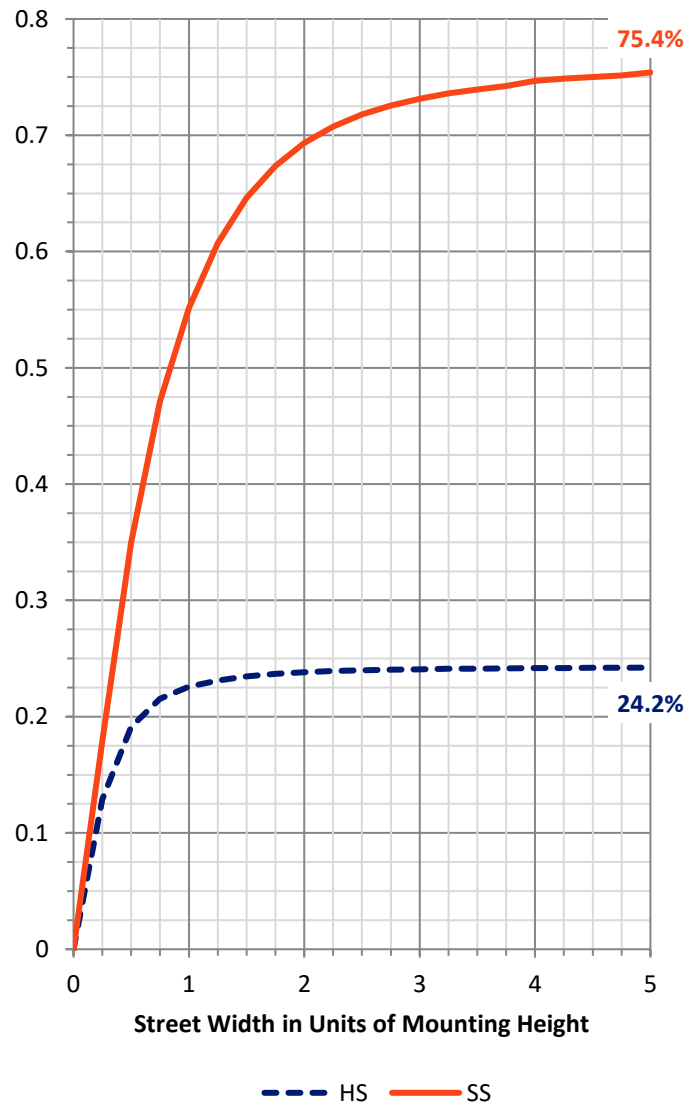
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	780.3	0.0	780.3
	% Fixture	24.4	0.0	24.4
<b>Street Side</b>	Lumens	2412.1	0.0	2412.1
	% Fixture	75.6	0.0	75.6
<b>Total</b>	Lumens	3192.5	0.0	3192.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.7	2.5
10°-20°	253.1	7.9
20°-30°	440.5	13.8
30°-40°	574.3	18.0
40°-50°	622.3	19.5
50°-60°	554.8	17.4
60°-70°	404.8	12.7
70°-80°	218.5	6.8
80°-90°	43.4	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3192.5	100.0
0°-180°	3192.5	100.0



REPORT NUMBER: P26564

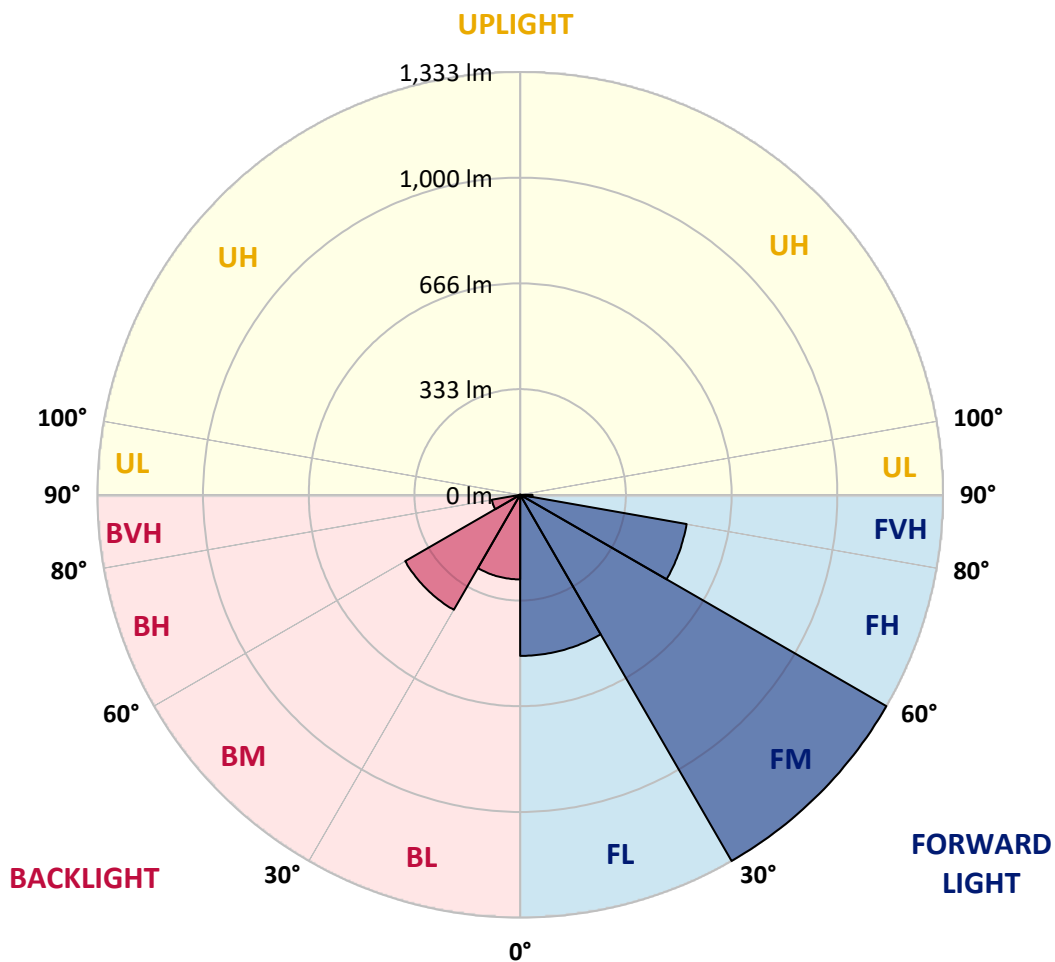
CATALOG NUMBER: LDWP-FC-6B-ED

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.7	15.9			
FM	(30°-60°)	1332.8	41.7			
FH	(60°-80°)	532.8	16.7			G0/660
FVH	(80°-90°)	38.8	1.2			G1/100
BL	(0°-30°)	266.7	8.4	B1/500		
BM	(30°-60°)	418.5	13.1	B1/1000		
BH	(60°-80°)	90.6	2.8	B0/110		G0/110
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





REPORT NUMBER: P26564

CATALOG NUMBER: LDWP-FC-6B-ED

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	847	847	847	847	847	847	847	847	847	847	847
2.5°	898	895	897	894	894	894	896	897	893	891	889
5°	940	938	942	938	939	934	934	935	930	924	921
7.5°	971	971	975	971	968	964	966	970	968	963	962
10°	1003	998	1001	999	997	1003	1005	1009	1009	1007	1010
12.5°	1027	1025	1027	1032	1038	1045	1049	1052	1054	1056	1063
15°	1059	1056	1060	1076	1090	1101	1108	1109	1112	1117	1122
17.5°	1084	1085	1099	1118	1136	1155	1175	1185	1187	1190	1195
20°	1108	1109	1127	1147	1169	1201	1230	1247	1258	1266	1274
22.5°	1133	1131	1144	1165	1189	1226	1263	1293	1316	1333	1343
25°	1154	1150	1151	1165	1195	1232	1283	1327	1357	1377	1393
27.5°	1166	1159	1153	1158	1177	1223	1279	1339	1388	1413	1430
30°	1164	1157	1148	1142	1153	1191	1247	1320	1387	1428	1457
32.5°	1153	1144	1129	1121	1129	1155	1204	1267	1340	1407	1465
35°	1137	1125	1107	1097	1098	1118	1153	1202	1267	1351	1439
37.5°	1121	1104	1083	1065	1067	1079	1102	1139	1196	1283	1388
40°	1110	1090	1062	1037	1036	1041	1052	1086	1136	1216	1321
42.5°	1099	1075	1037	1015	1004	1004	1002	1031	1082	1154	1248
45°	1083	1056	1016	992	975	961	954	979	1027	1097	1183
47.5°	1058	1032	988	963	942	922	912	933	980	1040	1119
50°	1033	1001	958	928	902	884	877	891	931	990	1060
52.5°	997	964	922	889	865	850	848	858	885	933	1000
55°	958	922	883	847	820	808	814	826	843	882	940
57.5°	907	873	835	800	776	769	777	788	804	833	882
60°	846	815	780	749	730	724	733	744	758	781	822
62.5°	778	751	718	691	676	673	683	692	706	729	761
65°	700	677	650	624	614	611	618	631	645	667	693
67.5°	619	598	576	551	543	540	545	557	572	594	618
70°	531	514	494	470	468	468	473	483	494	516	539
72.5°	439	425	406	390	390	396	398	410	422	437	457
75°	348	336	322	311	312	319	323	332	344	357	374
77.5°	260	250	241	237	236	243	246	255	265	276	289
80°	178	171	165	164	164	171	173	180	188	197	206
82.5°	106	102	98	99	100	105	107	112	117	124	129
85°	48	45	46	45	46	50	52	54	58	62	65
87.5°	9	7	9	9	10	12	12	14	16	18	19
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P26564

CATALOG NUMBER: LDWP-FC-6B-ED

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	847	847	847	847	847	847	847	847	847	847	847
2.5°	888	886	878	872	875	874	870	863	857	852	846
5°	920	916	904	897	896	891	882	870	855	845	833
7.5°	964	960	947	939	939	933	919	903	881	866	847
10°	1013	1010	1003	996	993	986	971	950	925	902	875
12.5°	1068	1069	1064	1059	1054	1051	1029	1002	973	943	904
15°	1131	1139	1138	1135	1129	1121	1090	1058	1021	980	935
17.5°	1205	1217	1221	1220	1217	1205	1165	1126	1078	1023	965
20°	1287	1301	1304	1305	1298	1283	1237	1187	1130	1067	991
22.5°	1354	1360	1369	1371	1366	1344	1298	1240	1170	1097	1006
25°	1405	1415	1421	1426	1422	1403	1355	1286	1209	1120	1017
27.5°	1446	1468	1476	1482	1475	1456	1396	1321	1235	1130	1017
30°	1487	1506	1517	1529	1522	1494	1434	1355	1252	1138	1014
32.5°	1508	1535	1557	1567	1560	1530	1466	1380	1268	1136	1004
35°	1514	1551	1583	1598	1593	1557	1492	1400	1278	1128	991
37.5°	1489	1560	1602	1617	1612	1580	1512	1409	1273	1119	976
40°	1437	1538	1605	1631	1630	1601	1526	1411	1263	1101	956
42.5°	1373	1490	1590	1636	1632	1601	1524	1402	1238	1072	926
45°	1294	1430	1547	1620	1622	1584	1508	1373	1204	1033	888
47.5°	1216	1357	1484	1580	1594	1547	1461	1324	1146	983	834
50°	1153	1276	1411	1505	1520	1462	1369	1236	1064	903	762
52.5°	1085	1189	1320	1413	1424	1368	1263	1126	956	809	673
55°	1017	1110	1222	1309	1306	1238	1126	988	830	695	576
57.5°	951	1030	1120	1195	1166	1078	963	838	688	580	477
60°	884	952	1021	1071	1036	942	827	698	565	462	381
62.5°	818	874	926	957	929	840	727	603	473	380	302
65°	744	794	835	858	839	756	641	520	399	312	244
67.5°	665	710	742	764	749	674	562	448	338	257	198
70°	572	616	645	667	652	587	488	377	276	208	160
72.5°	487	517	540	559	549	496	410	310	224	164	126
75°	392	417	433	447	439	400	329	245	174	125	97
77.5°	301	320	329	339	330	302	248	184	129	92	70
80°	218	226	234	236	228	208	171	127	87	61	47
82.5°	134	141	145	146	139	127	104	76	52	36	27
85°	67	70	72	72	67	61	50	36	25	15	11
87.5°	22	21	21	21	19	17	14	10	6	2	2
90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P26564

CATALOG NUMBER: LDWP-FC-6B-ED

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	847	847	847	847	847	847	847	847	847	847	847
2.5°	838	829	823	816	806	804	797	793	789	784	780
5°	818	800	786	774	759	752	739	730	725	717	712
7.5°	820	797	772	750	724	707	685	671	658	647	644
10°	840	805	770	735	700	671	641	618	598	578	573
12.5°	861	814	767	722	677	640	602	574	545	522	511
15°	880	823	765	711	654	610	569	534	501	474	456
17.5°	897	828	759	697	636	587	540	498	464	433	411
20°	909	828	749	678	617	561	510	466	425	393	363
22.5°	913	823	737	660	594	532	477	428	385	348	319
25°	911	811	720	640	567	501	438	387	343	304	274
27.5°	904	796	705	617	536	463	398	344	301	264	236
30°	891	779	682	587	499	422	356	305	261	224	199
32.5°	876	758	653	551	457	379	314	262	220	188	166
35°	859	737	618	507	412	333	269	220	184	157	140
37.5°	840	707	576	463	366	288	227	185	155	134	120
40°	815	670	529	415	321	245	192	157	133	116	104
42.5°	779	622	481	368	276	209	163	135	116	101	92
45°	730	568	429	321	236	178	141	118	101	91	83
47.5°	671	506	377	275	200	152	122	103	92	83	77
50°	600	442	323	234	169	131	106	93	84	77	72
52.5°	517	383	274	197	144	113	95	85	78	72	67
55°	433	319	231	164	122	98	86	78	72	67	62
57.5°	357	264	193	136	104	87	77	71	66	62	58
60°	291	215	157	114	89	77	70	64	60	56	53
62.5°	232	176	128	95	77	68	62	58	54	51	48
65°	187	144	104	80	66	59	55	51	48	45	42
67.5°	151	117	86	67	57	51	48	44	41	38	36
70°	122	94	70	56	48	43	39	36	34	32	30
72.5°	96	74	56	45	38	34	31	29	28	26	24
75°	73	56	42	34	29	26	24	22	21	20	19
77.5°	53	40	29	24	20	18	17	16	15	14	13
80°	35	24	18	15	13	12	11	10	10	9	9
82.5°	18	12	10	8	7	6	6	5	5	5	5
85°	7	4	3	3	3	2	2	2	2	2	2
87.5°	1	1	1	1	1	1	1	1	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P26564

CATALOG NUMBER: LDWP-FC-6B-ED

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	847	847	847	847
2.5°	778	781	779	776
5°	709	710	706	703
7.5°	636	635	632	629
10°	562	560	558	555
12.5°	500	496	493	491
15°	445	438	434	433
17.5°	393	385	380	379
20°	344	331	326	324
22.5°	294	281	275	271
25°	252	238	231	229
27.5°	214	201	195	191
30°	179	168	163	160
32.5°	150	141	137	135
35°	127	120	116	115
37.5°	109	103	100	100
40°	95	90	87	86
42.5°	85	81	78	78
45°	78	74	72	71
47.5°	72	69	66	66
50°	67	64	62	61
52.5°	63	60	58	57
55°	59	56	54	53
57.5°	55	52	50	49
60°	50	48	46	45
62.5°	45	43	41	41
65°	40	37	37	36
67.5°	34	32	31	31
70°	29	27	26	26
72.5°	23	22	21	21
75°	18	17	17	16
77.5°	13	12	12	12
80°	8	8	8	8
82.5°	5	4	4	4
85°	2	1	1	1
87.5°	0	0	0	0
90°	0	0	0	0

(END OF REPORT)