

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: P26562

Luminaire Tested: **LDWP-FC-6B-ED-7040**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P26562
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-7040
Description: LUMARK WALPAK CUTOFF 4LED 4000K
Light Source: (4) 4000K COB LEDS
CLU036-1205C1-40AL7G4
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3137.1 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.75' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

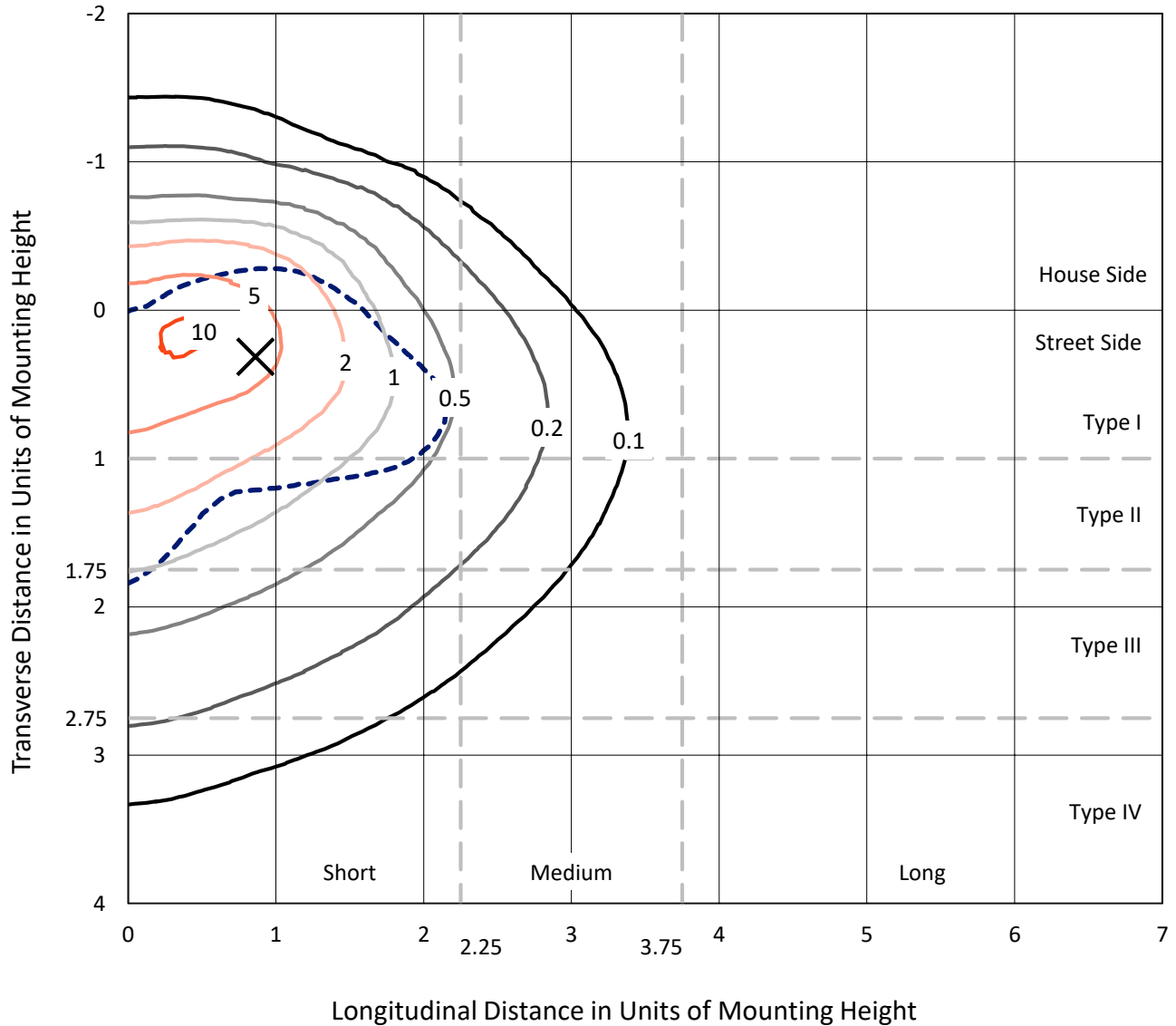
Input Watts (W): 46.7
Input Voltage (V): 120.03
Input Current (Ain): 0.38976
Voltage Rise (V): NR
Power Factor: 0.9983
Total Harmonic Distortion (THDi): 4.91%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
Ambient Temperature (°C): 25.4
Test Distance: 25 FT



REPORT NUMBER: P26562
 CATALOG NUMBER: LDWP-FC-6B-ED-7040

Iso-Footcandle Lines of Horizontal Illumination

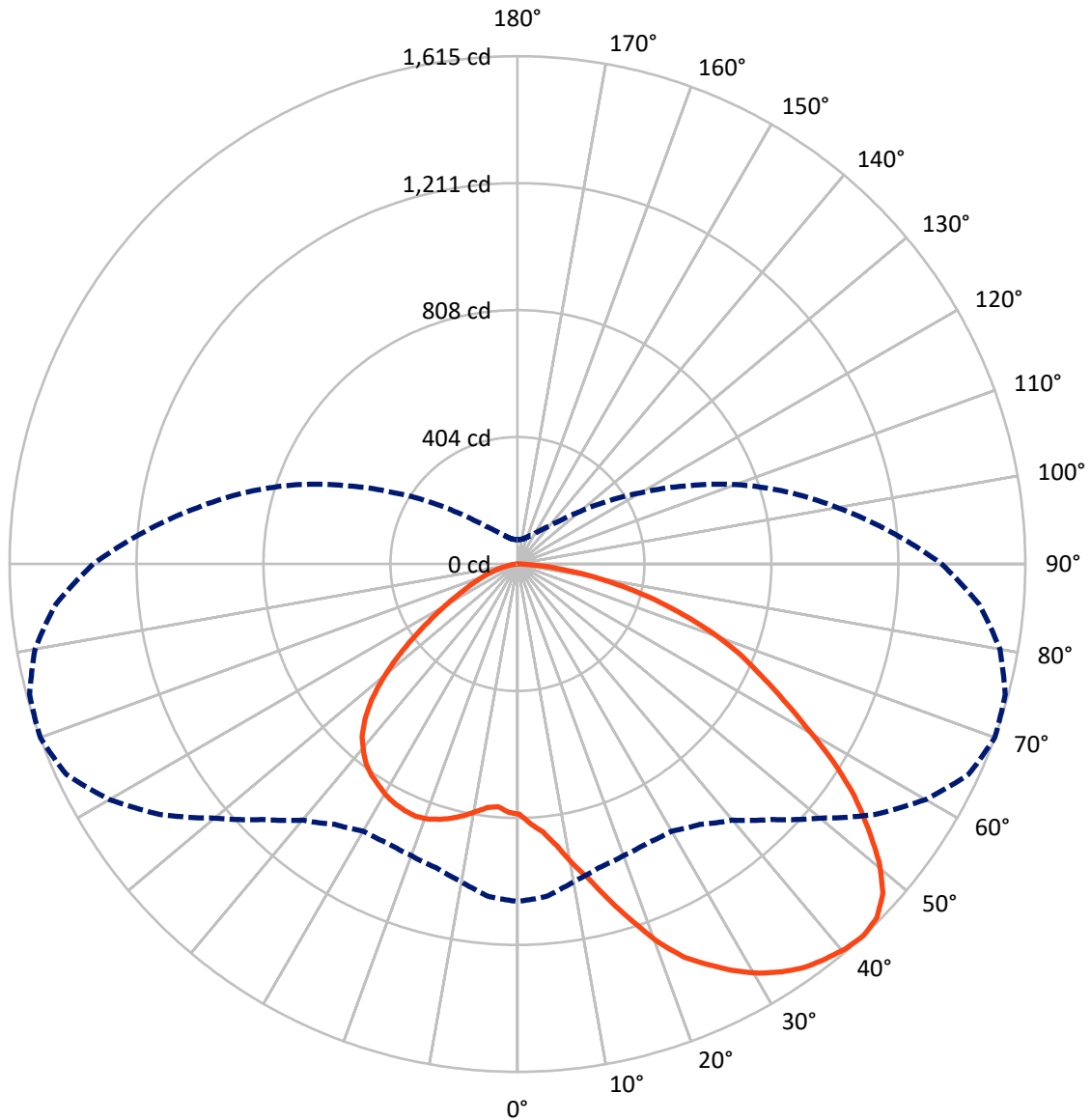
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P26562
CATALOG NUMBER: LDWP-FC-6B-ED-7040

Luminous Intensity Polar Plot



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

REPORT NUMBER: P26562

CATALOG NUMBER: LDWP-FC-6B-ED-7040

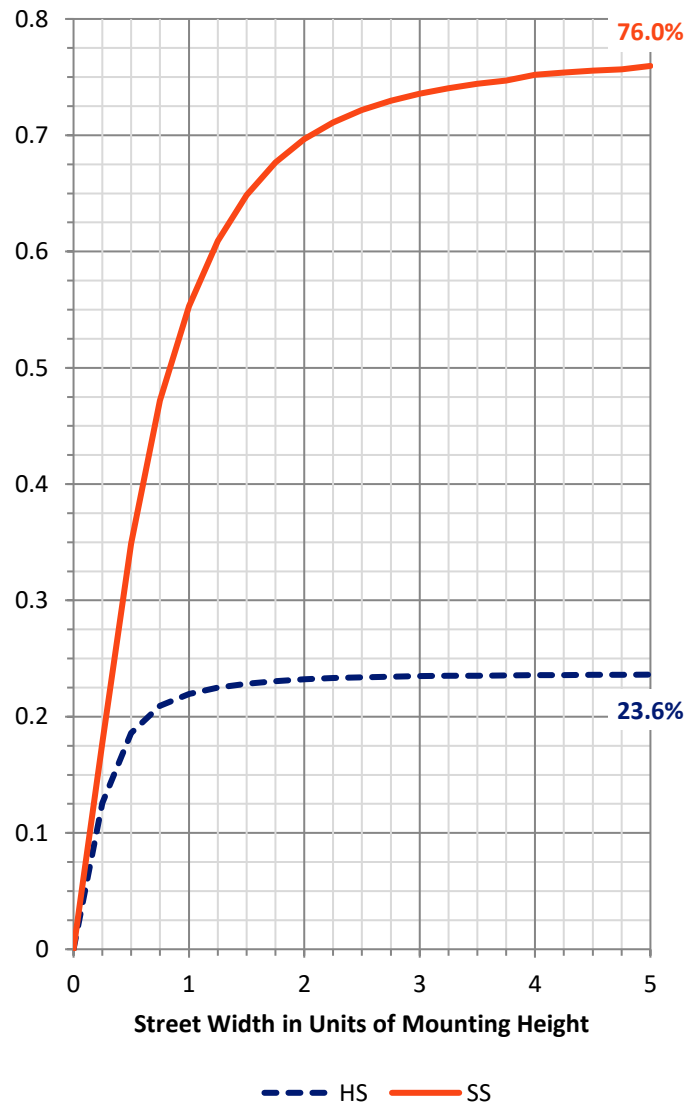
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.7	0.0	747.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	2389.4	0.0	2389.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	3137.1	0.0	3137.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	2.4
10°-20°	243.5	7.8
20°-30°	428.8	13.7
30°-40°	561.6	17.9
40°-50°	610.4	19.5
50°-60°	547.4	17.4
60°-70°	402.3	12.8
70°-80°	220.6	7.0
80°-90°	45.9	1.5
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°	3137.1	100.0
0°-180°	3137.1	100.0



REPORT NUMBER: P26562

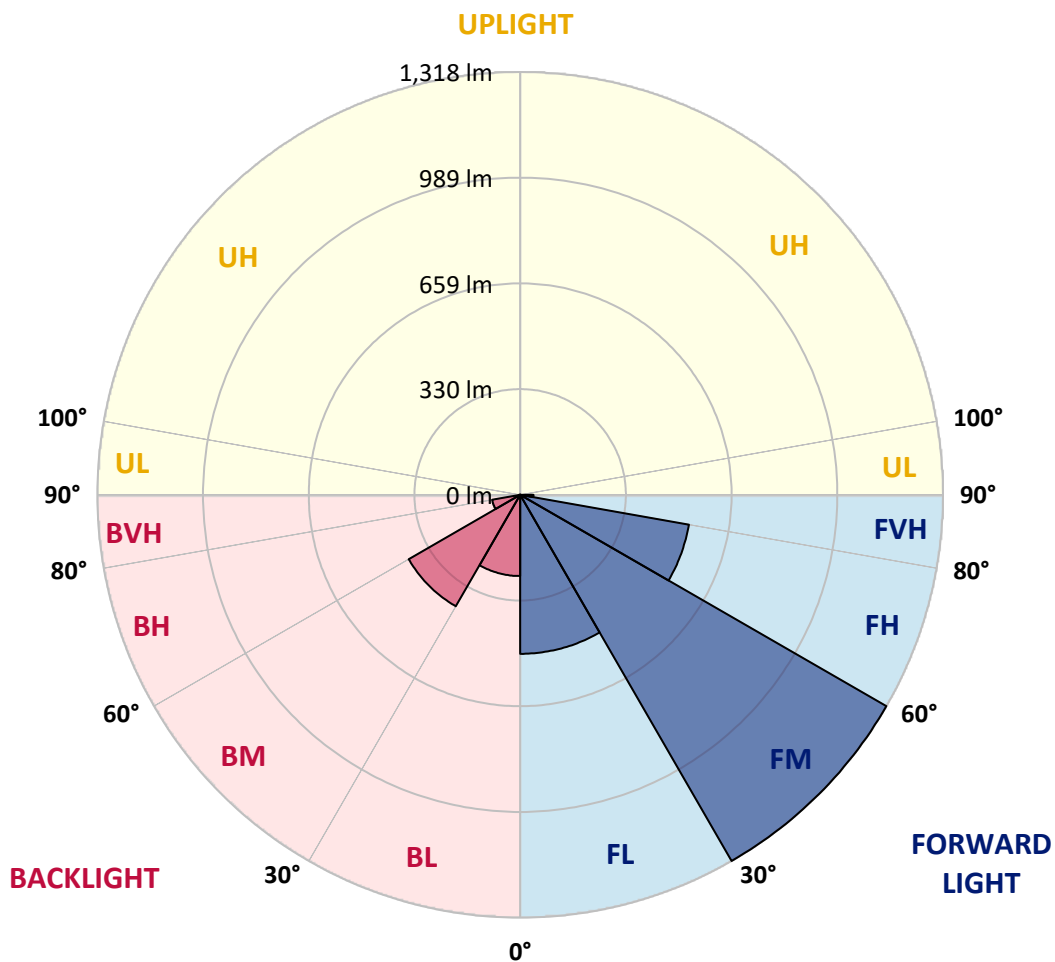
CATALOG NUMBER: LDWP-FC-6B-ED-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.7	15.8			
FM (30°-60°)	1318.1	42.0			
FH (60°-80°)	534.3	17.0			G0/660
FVH (80°-90°)	41.2	1.3			G1/100
BL (0°-30°)	253.2	8.1	B1/500		
BM (30°-60°)	401.3	12.8	B1/1000		
BH (60°-80°)	88.6	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: P26562

CATALOG NUMBER: LDWP-FC-6B-ED-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	796	796	796	796	796	796	796	796	796	796	796
2.5°	853	849	854	851	852	846	849	847	844	839	836
5°	899	899	899	897	897	890	892	890	885	880	872
7.5°	934	933	933	933	930	926	927	929	925	925	918
10°	962	959	958	960	962	963	968	970	971	972	970
12.5°	984	987	986	997	1004	1006	1013	1016	1019	1022	1025
15°	1015	1019	1023	1042	1055	1059	1067	1070	1075	1079	1084
17.5°	1051	1057	1068	1094	1111	1123	1141	1145	1150	1151	1156
20°	1084	1088	1104	1128	1153	1174	1201	1211	1221	1226	1239
22.5°	1105	1110	1127	1149	1175	1208	1240	1264	1284	1297	1314
25°	1131	1131	1140	1155	1185	1219	1262	1298	1325	1346	1369
27.5°	1148	1145	1144	1149	1172	1210	1259	1314	1354	1386	1410
30°	1149	1145	1140	1137	1143	1178	1230	1302	1358	1403	1443
32.5°	1136	1133	1121	1116	1118	1138	1184	1247	1324	1396	1462
35°	1116	1112	1099	1089	1088	1100	1133	1177	1253	1347	1446
37.5°	1100	1094	1074	1059	1055	1062	1081	1118	1177	1279	1394
40°	1083	1078	1051	1029	1019	1022	1031	1063	1120	1211	1332
42.5°	1073	1061	1026	1000	987	979	981	1011	1063	1149	1257
45°	1064	1043	1006	978	958	936	936	965	1013	1091	1185
47.5°	1045	1022	980	951	928	899	893	920	969	1035	1123
50°	1025	994	952	920	893	868	861	882	922	982	1063
52.5°	994	960	917	882	854	838	832	849	876	929	1000
55°	952	917	876	842	814	801	800	817	838	879	938
57.5°	903	872	830	795	773	763	766	782	801	830	881
60°	844	813	777	746	726	721	726	740	759	779	819
62.5°	776	751	717	691	674	674	677	689	706	727	756
65°	703	682	653	626	613	615	618	631	650	668	690
67.5°	624	605	580	554	547	546	548	561	580	596	617
70°	538	524	501	478	470	474	476	490	506	517	539
72.5°	449	437	415	398	397	401	406	417	430	442	459
75°	358	349	331	319	320	325	331	340	352	362	377
77.5°	271	264	251	243	245	251	256	264	273	283	294
80°	188	184	172	171	173	178	182	188	196	203	212
82.5°	115	112	106	105	107	110	115	121	125	130	136
85°	55	53	50	51	53	56	58	62	65	67	70
87.5°	13	12	11	13	14	16	16	18	20	21	22
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P26562

CATALOG NUMBER: LDWP-FC-6B-ED-7040

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	796	796	796	796	796	796	796	796	796	796	796
2.5°	832	828	830	828	825	821	816	811	808	802	798
5°	866	861	863	857	849	841	831	821	811	799	788
7.5°	913	909	912	905	893	888	871	855	838	819	800
10°	967	968	972	970	958	947	926	905	882	857	827
12.5°	1027	1030	1040	1032	1024	1012	985	959	930	895	857
15°	1093	1101	1117	1114	1102	1084	1048	1015	975	931	884
17.5°	1168	1180	1203	1198	1193	1163	1129	1082	1030	973	912
20°	1257	1270	1290	1285	1276	1243	1199	1145	1082	1013	940
22.5°	1326	1339	1357	1358	1347	1309	1259	1194	1120	1040	953
25°	1386	1394	1413	1412	1403	1368	1317	1241	1153	1062	963
27.5°	1436	1452	1466	1464	1455	1417	1358	1274	1183	1077	964
30°	1478	1496	1510	1510	1496	1453	1395	1302	1201	1084	963
32.5°	1507	1534	1549	1546	1526	1487	1424	1324	1215	1083	953
35°	1517	1550	1577	1575	1558	1516	1447	1344	1222	1078	943
37.5°	1496	1562	1590	1593	1580	1539	1460	1351	1220	1068	931
40°	1445	1545	1594	1608	1599	1556	1473	1356	1213	1056	915
42.5°	1388	1498	1583	1615	1606	1558	1474	1349	1189	1033	887
45°	1309	1441	1543	1603	1600	1548	1459	1326	1161	1000	848
47.5°	1228	1367	1480	1564	1576	1514	1412	1282	1109	947	796
50°	1158	1280	1408	1491	1509	1435	1329	1205	1030	875	729
52.5°	1087	1188	1318	1396	1413	1340	1233	1101	927	780	643
55°	1016	1109	1219	1299	1296	1218	1092	975	807	676	550
57.5°	947	1027	1113	1183	1160	1062	945	822	672	561	456
60°	877	950	1015	1057	1031	929	806	686	551	453	365
62.5°	809	869	919	947	927	827	709	591	463	369	290
65°	739	791	834	848	837	743	627	509	392	305	235
67.5°	661	707	741	761	747	663	552	438	329	252	191
70°	574	615	648	660	653	580	476	369	272	205	155
72.5°	487	517	546	553	555	492	404	304	218	163	122
75°	397	419	439	448	448	397	322	241	170	125	93
77.5°	308	323	338	341	339	300	246	181	126	90	68
80°	221	231	239	244	233	209	172	126	87	61	46
82.5°	141	148	150	149	145	131	107	77	52	36	26
85°	73	74	76	75	72	65	54	37	24	15	10
87.5°	23	24	24	23	21	19	15	10	5	3	1
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P26562

CATALOG NUMBER: LDWP-FC-6B-ED-7040

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	796	796	796	796	796	796	796	796	796	796	796
2.5°	790	785	778	771	763	757	750	742	739	734	733
5°	774	759	748	732	720	705	694	684	677	669	667
7.5°	780	757	734	710	687	665	648	630	619	606	602
10°	798	766	731	697	666	633	607	583	560	545	537
12.5°	818	772	730	685	645	605	571	540	514	494	482
15°	835	778	727	673	623	577	540	505	475	450	435
17.5°	849	781	721	660	606	556	512	473	440	412	391
20°	860	782	712	644	585	531	484	442	404	374	349
22.5°	865	777	697	626	561	503	452	405	366	331	304
25°	862	767	683	607	536	472	415	365	325	289	264
27.5°	856	755	667	583	504	435	377	328	287	252	228
30°	846	739	646	553	468	396	337	290	248	214	192
32.5°	831	719	617	517	428	355	297	249	210	180	162
35°	817	696	582	475	387	313	256	210	177	152	137
37.5°	798	667	541	436	345	270	216	178	150	130	118
40°	770	629	498	392	301	230	183	152	131	113	103
42.5°	738	586	452	346	259	197	157	132	114	100	91
45°	691	533	405	303	222	169	136	115	100	90	83
47.5°	634	476	355	260	190	145	118	102	91	83	77
50°	565	417	306	222	162	126	104	92	84	77	72
52.5°	488	360	260	187	138	110	94	85	78	72	67
55°	409	302	219	157	119	96	85	78	72	67	63
57.5°	338	248	181	131	102	85	77	71	66	61	58
60°	276	205	149	111	88	76	69	64	60	56	53
62.5°	222	169	122	93	76	67	62	58	54	51	48
65°	180	138	101	78	65	59	55	51	48	44	42
67.5°	146	112	83	66	56	51	47	44	41	38	36
70°	118	90	68	55	47	42	39	36	34	32	30
72.5°	94	71	55	45	37	33	31	29	27	26	24
75°	72	55	41	34	28	25	24	22	21	20	18
77.5°	52	38	29	23	20	18	17	16	14	14	13
80°	34	24	18	15	13	11	11	10	9	9	9
82.5°	18	13	10	8	7	6	6	5	5	5	5
85°	7	5	4	3	3	2	2	2	2	2	2
87.5°	1	1	1	1	1	1	1	1	1	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P26562

CATALOG NUMBER: LDWP-FC-6B-ED-7040

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	796	796	796	796
2.5°	732	729	733	730
5°	664	660	661	660
7.5°	597	590	591	588
10°	527	524	522	520
12.5°	474	466	465	462
15°	424	414	412	409
17.5°	376	365	363	360
20°	330	316	313	310
22.5°	285	270	266	263
25°	244	230	224	223
27.5°	208	194	191	187
30°	175	162	160	157
32.5°	147	137	134	133
35°	125	117	114	113
37.5°	108	101	99	97
40°	95	89	87	85
42.5°	84	80	78	77
45°	78	74	72	70
47.5°	72	69	66	65
50°	68	64	62	61
52.5°	63	60	58	57
55°	59	56	54	53
57.5°	55	52	50	50
60°	50	48	46	46
62.5°	45	43	42	41
65°	40	38	37	36
67.5°	34	32	31	31
70°	28	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	5	4
85°	2	2	2	2
87.5°	0	0	0	0
90°	0	0	0	0

(END OF REPORT)