

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: P26560

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

Test Date: 09/19/15

**Test Information**

Test Method: LM-79-08  
Report Number: P26560  
Test Lab: INNOVATION CENTER-P2  
Test Date: 09/19/15  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDWP-GL-6B-ED  
Description: LUMARK WALPAK GLASS  
Light Source: (4) 5000K COB LEDS  
Ballast/Driver: [1] ELECTRONIC DRIVER

**Summary**

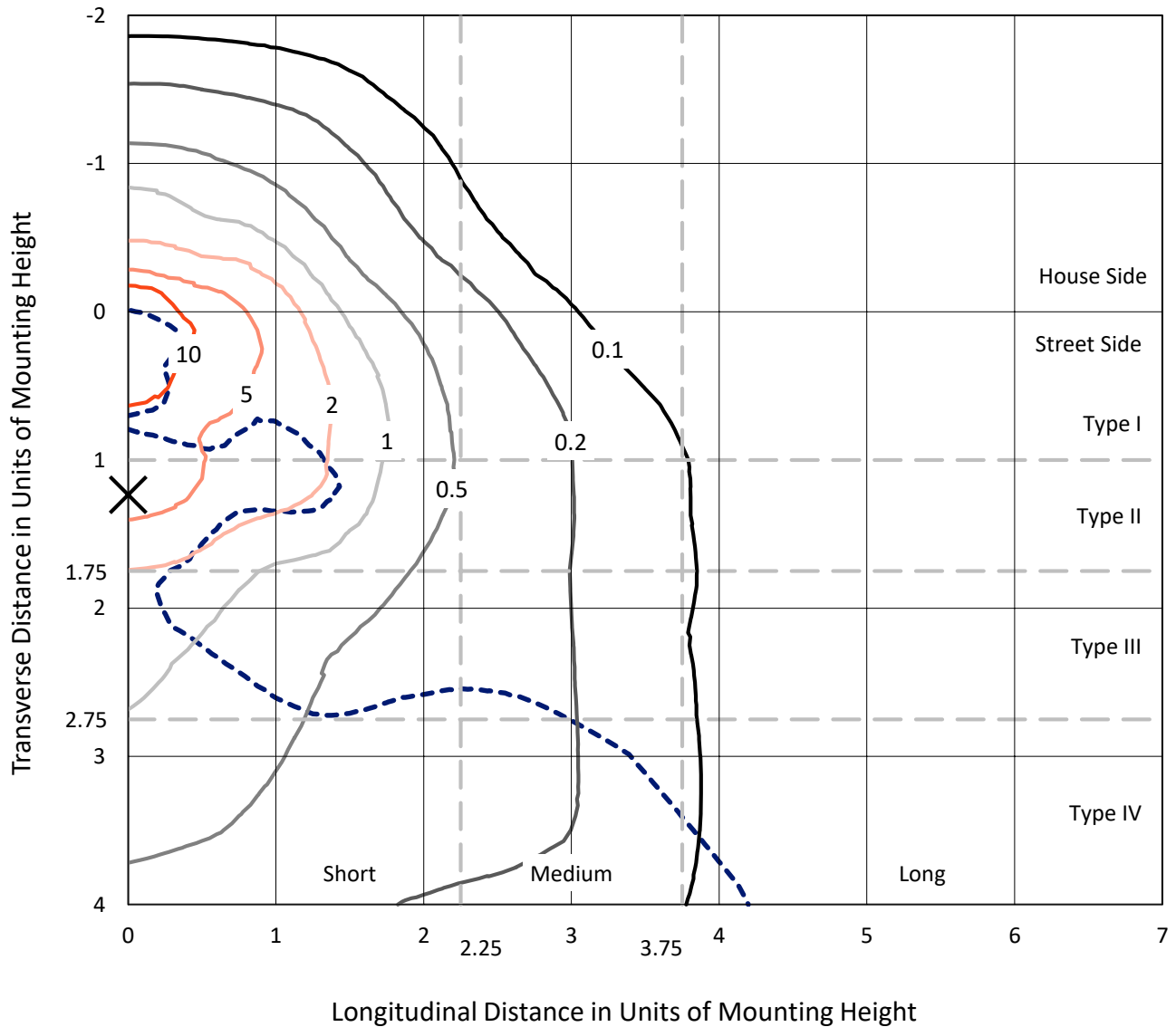
Lumens per Lamp: N/A  
Luminaire Lumens: 5882.9 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 0.38' x H: 0.42')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U4 - G4  
  
Input Watts (W): 45.9  
Input Voltage (V): 120.03  
Input Current (Ain): 0.38327  
Voltage Rise (V): NR  
Power Factor: 0.9984  
Total Harmonic Distortion (THDi): 4.88%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.7  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

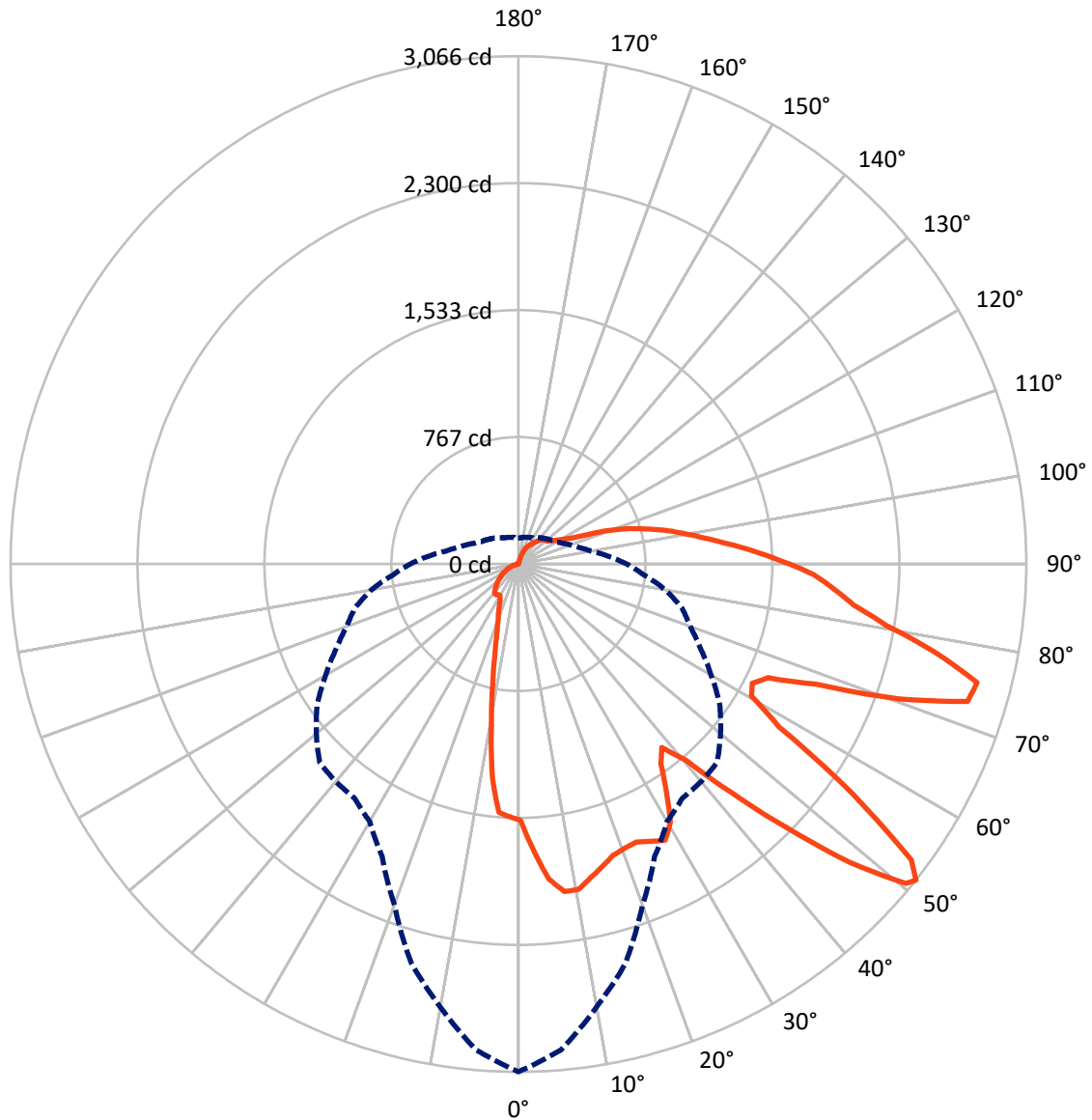
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 51-Deg Vertical

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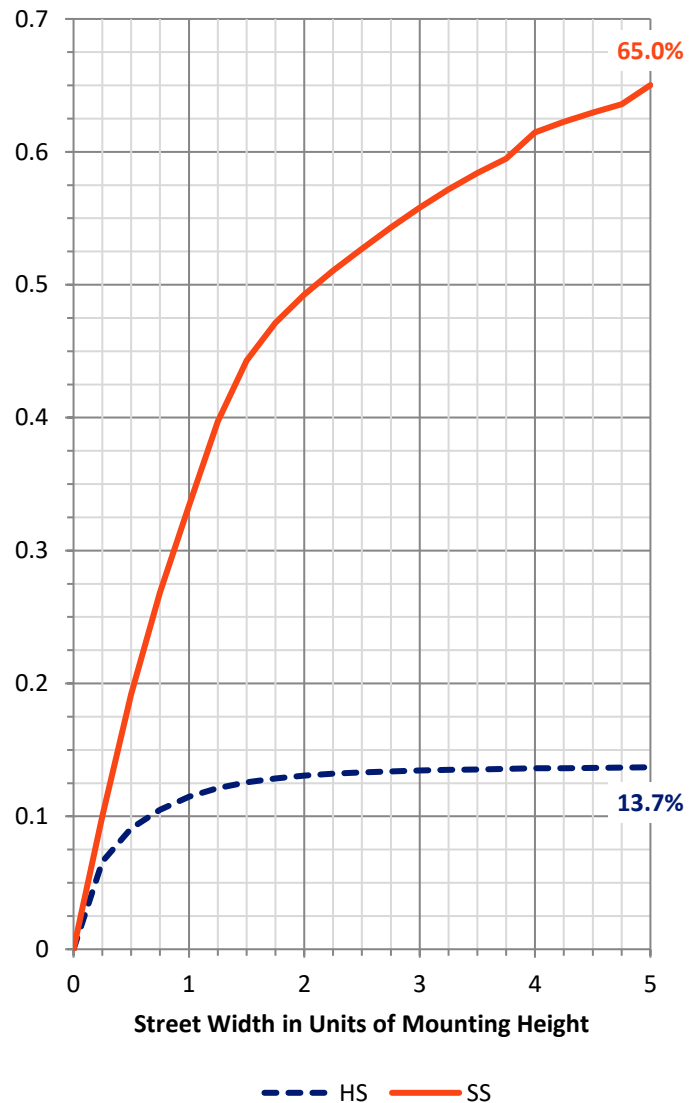
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	817.6	50.6	868.2
	% Fixture	13.9	0.9	14.8
<b>Street Side</b>	Lumens	4173.8	840.9	5014.7
	% Fixture	70.9	14.3	85.2
<b>Total</b>	Lumens	4991.5	891.5	5882.9
	% Fixture	84.8	15.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.6	2.6
10°-20°	363.7	6.2
20°-30°	462.0	7.9
30°-40°	545.0	9.3
40°-50°	699.0	11.9
50°-60°	788.0	13.4
60°-70°	640.6	10.9
70°-80°	784.5	13.3
80°-90°	557.0	9.5
90°-100°	344.7	5.9
100°-110°	221.8	3.8
110°-120°	130.1	2.2
120°-130°	87.1	1.5
130°-140°	58.9	1.0
140°-150°	32.5	0.6
150°-160°	13.2	0.2
160°-170°	2.6	0.0
170°-180°	0.5	0.0
0°-90°	4991.5	84.8
0°-180°	5882.9	100.0

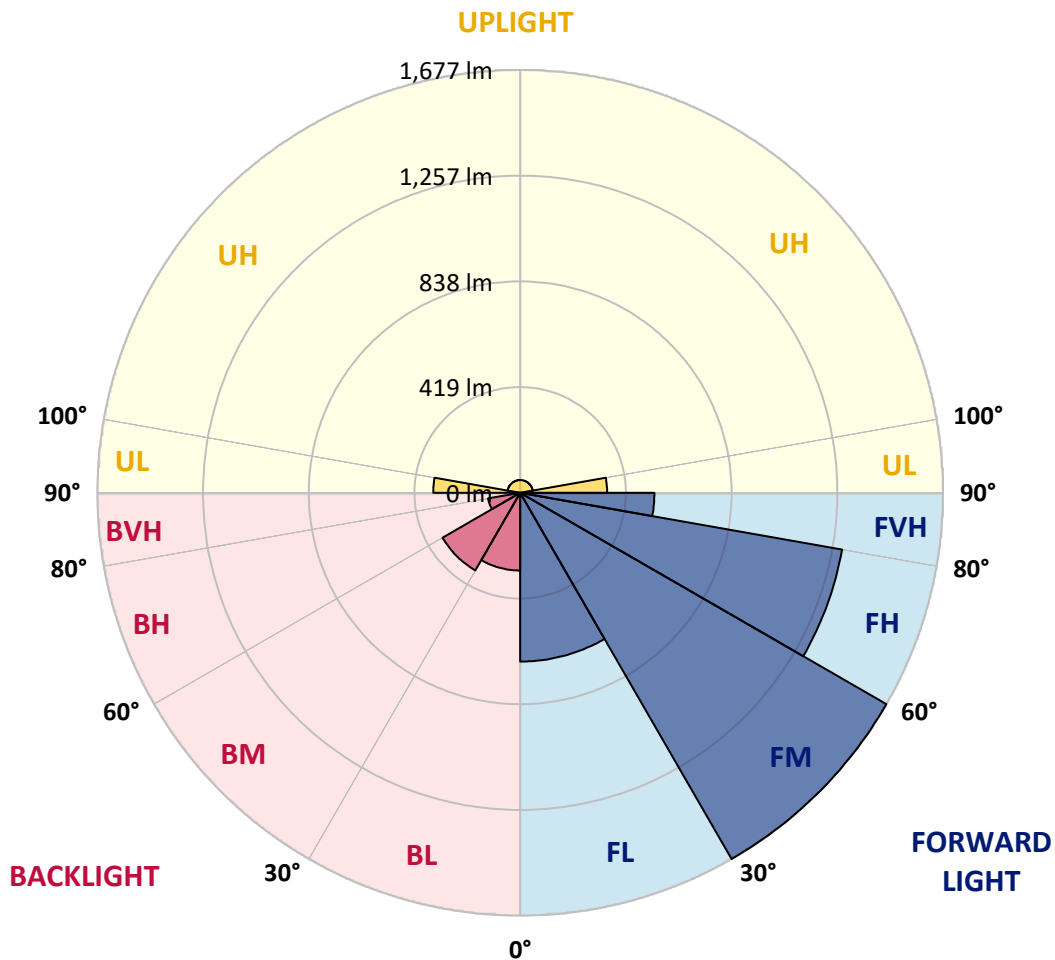


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.1	11.4			
FM (30°-60°)	1676.6	28.5			
FH (60°-80°)	1296.0	22.0			G1/1800
FVH (80°-90°)	532.1	9.0			G4/750
BL (0°-30°)	308.2	5.2	B1/500		
BM (30°-60°)	355.4	6.0	B1/1000		
BH (60°-80°)	129.1	2.2	B1/500		G1/500
BVH (80°-90°)	24.9	0.4			G1/100
UL (90°-100°)	344.7	5.9		U3/500	
UH (100°-180°)	50.6	0.9		U3/500	

**BUG Rating: B1-U4-G4**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1547	1547	1547	1547	1547	1547	1547	1547	1547	1547	1547
2.5°	1730	1711	1708	1705	1711	1690	1694	1679	1665	1658	1644
5°	1909	1904	1899	1892	1888	1874	1860	1837	1811	1792	1761
7.5°	1997	2000	1995	1988	1986	1963	1948	1919	1889	1859	1830
10°	1997	1997	1999	1993	1987	1973	1953	1924	1898	1867	1830
12.5°	1943	1942	1953	1952	1949	1939	1918	1905	1880	1852	1812
15°	1895	1894	1893	1875	1863	1848	1836	1838	1833	1814	1786
17.5°	1849	1844	1836	1805	1782	1763	1748	1747	1740	1740	1740
20°	1832	1818	1793	1750	1706	1686	1660	1636	1623	1622	1623
22.5°	1823	1818	1778	1715	1665	1623	1574	1542	1503	1489	1490
25°	1855	1844	1797	1727	1660	1596	1529	1473	1417	1391	1395
27.5°	1888	1876	1824	1756	1680	1597	1505	1425	1360	1328	1329
30°	1809	1803	1758	1723	1686	1607	1493	1386	1319	1284	1271
32.5°	1639	1642	1616	1598	1592	1570	1469	1368	1298	1257	1222
35°	1480	1484	1461	1457	1444	1446	1382	1329	1284	1242	1207
37.5°	1405	1394	1356	1343	1324	1304	1263	1267	1263	1248	1218
40°	1556	1497	1421	1371	1321	1258	1209	1217	1251	1267	1260
42.5°	1886	1799	1698	1593	1479	1338	1267	1249	1270	1298	1315
45°	2270	2150	2040	1909	1737	1500	1380	1346	1346	1361	1401
47.5°	2693	2552	2379	2203	1985	1721	1548	1484	1504	1458	1496
50°	3032	2908	2670	2461	2168	1910	1744	1663	1667	1630	1560
51°	3066	2944	2716	2496	2190	1947	1795	1725	1715	1696	1593
52.5°	2970	2853	2650	2459	2164	1932	1817	1784	1770	1783	1655
55°	2446	2357	2257	2141	1930	1773	1728	1773	1814	1845	1714
57.5°	1853	1813	1790	1718	1569	1463	1475	1617	1729	1830	1704
60°	1616	1574	1534	1467	1322	1212	1222	1414	1551	1676	1666
62.5°	1585	1525	1448	1362	1206	1086	1066	1229	1399	1448	1494
65°	1656	1582	1474	1348	1172	1053	1002	1074	1250	1221	1236
67.5°	1936	1826	1670	1497	1268	1116	1028	1017	1107	1085	1072
70°	2440	2287	2107	1815	1526	1340	1215	1185	1124	1073	1047
72.5°	2835	2669	2481	2138	1812	1624	1563	1511	1381	1248	1137
75°	2860	2704	2579	2265	1975	1841	1872	1920	1834	1559	1316
77.5°	2578	2444	2354	2131	1915	1818	1905	2076	2162	1776	1425
80°	2254	2165	2077	1888	1718	1621	1635	1804	1907	1637	1327
82.5°	2039	1942	1855	1661	1485	1359	1295	1359	1375	1268	1056
85°	1910	1818	1704	1499	1293	1168	1094	1091	1034	962	822
87.5°	1782	1691	1561	1342	1128	1020	964	952	880	799	695
90°	1598	1520	1387	1182	996	898	858	845	769	701	615
92.5°	1430	1362	1233	1051	888	803	779	754	703	636	572
95°	1270	1212	1100	948	808	733	715	685	650	587	539
97.5°	1131	1082	993	861	736	671	652	616	584	544	508
100°	1012	966	888	772	665	607	589	552	522	506	482
102.5°	907	855	784	682	592	547	518	483	468	464	444
105°	791	747	687	598	524	489	453	422	421	424	414
107.5°	691	650	596	523	461	418	387	370	374	389	383



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	575	541	497	441	383	351	327	327	339	356	344
112.5°	455	428	400	361	320	301	288	295	308	321	307
115°	368	351	335	312	284	271	264	271	282	287	272
117.5°	321	308	298	283	264	253	246	251	262	260	257
120°	287	278	271	260	246	236	232	235	242	243	244
122.5°	261	256	253	246	234	225	220	222	229	236	228
125°	241	238	237	232	220	212	208	211	224	225	216
127.5°	225	222	221	218	208	204	202	205	218	217	208
130°	220	217	215	210	201	197	196	197	207	209	199
132.5°	213	211	209	203	195	190	189	188	192	194	185
135°	206	204	198	194	187	182	178	177	178	177	168
137.5°	195	194	190	186	178	174	170	167	163	159	149
140°	180	180	180	177	172	166	159	154	148	141	132
142.5°	165	165	166	164	160	153	148	140	133	125	116
145°	151	152	151	149	145	139	133	126	119	110	99
147.5°	139	139	138	136	132	126	120	112	104	94	81
150°	127	127	126	123	119	113	105	98	89	77	63
152.5°	116	116	114	111	107	101	93	84	72	59	47
155°	103	104	103	100	95	88	77	66	55	43	30
157.5°	88	88	85	82	76	68	58	48	37	26	17
160°	64	64	62	57	51	44	36	27	20	14	10
162.5°	36	36	34	31	26	21	16	13	10	7	5
165°	12	13	12	12	10	9	8	6	4	3	4
167.5°	4	5	5	5	4	4	3	3	3	4	4
170°	1	1	2	3	3	3	3	3	3	4	4
172.5°	1	1	2	3	3	3	3	3	3	4	4
175°	1	1	2	3	3	3	3	3	3	4	4
177.5°	1	1	2	3	3	3	3	3	3	4	4
180°	5	5	5	5	5	5	5	5	5	5	5





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1547	1547	1547	1547	1547	1547	1547	1547	1547	1547	1547
2.5°	1629	1620	1604	1589	1574	1564	1555	1545	1535	1527	1524
5°	1728	1696	1659	1624	1593	1568	1540	1521	1502	1490	1489
7.5°	1793	1748	1695	1640	1589	1541	1503	1475	1452	1437	1438
10°	1783	1731	1676	1621	1562	1498	1446	1410	1385	1374	1376
12.5°	1769	1714	1649	1588	1525	1451	1382	1341	1313	1303	1300
15°	1743	1707	1648	1566	1493	1409	1328	1271	1246	1230	1216
17.5°	1716	1669	1610	1526	1441	1352	1264	1204	1168	1154	1126
20°	1628	1600	1555	1482	1393	1299	1207	1141	1102	1080	1028
22.5°	1504	1516	1505	1441	1356	1255	1164	1097	1065	1023	945
25°	1416	1440	1443	1389	1312	1213	1125	1061	1020	963	869
27.5°	1343	1354	1370	1354	1292	1201	1113	1048	1000	924	805
30°	1273	1291	1331	1348	1308	1222	1127	1055	1003	916	773
32.5°	1226	1255	1314	1349	1326	1241	1142	1069	1009	903	753
35°	1200	1238	1286	1343	1344	1255	1162	1084	1003	876	723
37.5°	1196	1224	1274	1352	1367	1274	1172	1078	970	822	674
40°	1230	1248	1285	1344	1357	1262	1148	1029	895	739	598
42.5°	1304	1302	1297	1319	1312	1216	1091	959	812	656	533
45°	1399	1360	1296	1274	1251	1149	1016	875	742	595	488
47.5°	1467	1371	1252	1188	1158	1056	914	784	657	535	445
50°	1482	1353	1218	1117	1056	944	805	693	577	473	399
51°	1484	1344	1214	1103	1021	901	761	652	544	446	381
52.5°	1485	1335	1210	1099	984	843	702	600	496	410	355
55°	1469	1328	1220	1087	930	764	634	529	438	364	317
57.5°	1464	1294	1217	1053	886	709	599	494	397	328	286
60°	1379	1219	1158	1000	830	686	575	476	387	303	257
62.5°	1254	1122	1064	912	759	662	555	452	363	285	235
65°	1132	1048	964	830	721	625	526	440	338	257	219
67.5°	1036	999	915	782	722	597	484	403	298	231	198
70°	1008	973	884	773	714	580	457	369	259	210	180
72.5°	1046	940	845	755	684	552	416	313	226	180	162
75°	1102	914	832	727	670	547	367	257	196	155	146
77.5°	1122	896	833	723	659	535	345	222	158	136	132
80°	1013	832	785	686	616	481	298	195	130	120	122
82.5°	831	733	683	625	557	423	255	155	109	106	109
85°	685	638	587	534	480	343	206	113	90	92	95
87.5°	619	571	524	436	396	298	161	94	76	79	83
90°	576	533	477	383	324	222	118	77	67	68	71
92.5°	541	497	436	325	272	178	102	68	62	61	62
95°	517	472	392	285	225	143	88	64	58	57	57
97.5°	483	440	351	269	188	127	79	62	56	54	55
100°	453	395	310	241	176	116	78	62	54	52	52
102.5°	429	355	290	217	158	111	81	63	53	51	50
105°	385	313	267	204	149	108	81	62	53	49	47
107.5°	346	291	239	186	143	108	79	60	52	48	45



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
110°	301	272	222	174	139	107	75	59	50	46	43
112.5°	278	248	201	162	135	103	72	57	49	43	40
115°	261	226	186	156	131	99	69	55	46	41	37
117.5°	240	208	175	149	122	91	65	52	43	38	34
120°	220	192	168	142	111	81	59	48	40	35	31
122.5°	207	184	162	134	102	73	54	44	37	32	28
125°	198	178	153	124	94	67	50	40	34	29	26
127.5°	192	169	143	114	85	61	44	36	31	27	24
130°	181	158	133	104	76	54	39	32	28	24	22
132.5°	166	146	121	93	67	46	34	29	26	22	19
135°	151	132	109	81	56	38	31	27	23	20	17
137.5°	135	118	94	67	44	32	28	24	21	18	15
140°	119	102	78	53	36	28	24	21	19	16	14
142.5°	104	85	63	43	30	24	21	19	17	14	12
145°	86	69	48	32	24	20	18	17	15	13	10
147.5°	67	51	34	23	18	17	16	15	13	11	9
150°	49	34	23	16	14	15	14	13	11	9	8
152.5°	32	22	15	11	12	12	12	11	10	8	7
155°	19	13	9	8	9	10	10	10	9	8	7
157.5°	11	7	6	6	7	9	9	9	9	8	7
160°	6	4	5	6	7	9	9	9	9	8	7
162.5°	4	5	5	6	7	9	9	10	9	8	7
165°	4	5	5	6	7	9	9	10	9	8	7
167.5°	4	5	5	6	7	9	9	10	9	8	7
170°	4	5	5	6	8	9	9	10	9	8	7
172.5°	4	5	5	6	8	9	9	9	9	8	7
175°	4	5	5	6	7	9	9	10	9	8	7
177.5°	4	5	5	6	7	9	9	9	8	7	7
180°	5	5	5	5	5	5	5	5	5	5	5



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1547	1547	1547	1547	1547	1547	1547	1547	1547	1547	1547
2.5°	1521	1517	1518	1517	1515	1516	1514	1517	1517	1516	1520
5°	1490	1494	1501	1505	1509	1512	1513	1515	1515	1513	1507
7.5°	1444	1450	1456	1455	1445	1436	1420	1402	1381	1362	1334
10°	1380	1380	1365	1342	1305	1263	1221	1177	1133	1096	1051
12.5°	1286	1263	1219	1160	1091	1028	975	911	871	836	798
15°	1176	1122	1052	972	891	814	754	700	668	640	612
17.5°	1065	979	883	796	712	641	591	547	519	499	480
20°	937	842	739	657	580	517	470	440	419	404	389
22.5°	832	725	619	541	479	433	394	368	353	343	334
25°	747	625	526	459	406	372	346	326	312	303	295
27.5°	668	545	462	401	358	331	313	296	280	268	259
30°	620	493	409	357	325	301	283	268	252	239	231
32.5°	594	464	380	334	302	275	258	243	229	220	216
35°	566	446	368	319	282	257	240	224	217	212	213
37.5°	534	435	363	314	273	245	226	215	210	213	218
40°	495	417	357	308	272	237	217	209	212	218	221
42.5°	450	390	340	301	268	234	212	210	213	218	220
45°	415	359	315	283	255	229	214	208	209	213	210
47.5°	383	330	294	264	243	225	212	205	201	198	192
50°	349	307	273	253	236	222	208	197	188	181	177
51°	336	296	266	249	233	219	207	194	182	176	171
52.5°	317	282	257	242	228	214	202	188	175	169	162
55°	286	259	243	230	216	204	191	177	165	155	146
57.5°	258	239	227	216	204	194	180	167	152	141	133
60°	234	220	211	200	190	182	171	153	139	129	121
62.5°	214	203	196	185	176	170	157	140	127	116	106
65°	196	188	182	171	161	154	141	126	113	98	88
67.5°	182	176	170	157	144	136	123	109	94	81	73
70°	168	165	156	142	127	117	106	91	77	65	59
72.5°	154	151	142	125	109	99	87	73	61	51	46
75°	142	137	126	109	92	81	69	58	46	37	32
77.5°	129	124	111	94	77	64	53	43	32	24	16
80°	118	109	98	81	63	49	38	28	17	9	6
82.5°	105	96	86	70	50	36	29	21	13	8	6
85°	91	83	76	60	43	31	24	17	11	7	6
87.5°	80	74	66	52	37	27	20	14	9	6	6
90°	69	64	57	44	32	24	17	13	8	6	6
92.5°	60	56	49	38	29	22	16	11	8	6	6
95°	54	49	41	34	26	19	14	10	7	6	5
97.5°	51	44	36	31	23	18	13	9	7	6	5
100°	48	41	34	28	22	16	12	8	6	6	5
102.5°	46	39	31	26	20	15	11	7	6	5	5
105°	43	36	29	24	19	14	10	7	5	5	5
107.5°	40	33	27	23	18	13	9	6	5	5	5



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
110°	37	31	26	22	16	12	8	6	5	5	4	0°
112.5°	34	29	25	20	15	11	7	6	5	5	4	2.5°
115°	32	27	24	20	15	11	7	6	6	5	5	5°
117.5°	30	26	23	19	14	10	7	6	6	6	5	7.5°
120°	27	24	21	17	12	9	7	6	6	5	5	10°
122.5°	25	22	19	16	11	8	6	6	6	5	5	12.5°
125°	23	20	17	14	10	8	6	6	6	5	5	15°
127.5°	21	18	15	12	9	7	6	6	5	5	5	17.5°
130°	19	16	14	11	8	7	6	6	5	5	5	20°
132.5°	17	14	12	10	8	7	6	6	6	5	5	22.5°
135°	15	13	11	9	7	7	6	6	5	5	5	25°
137.5°	13	11	10	9	7	7	6	6	6	5	5	27.5°
140°	11	10	9	8	7	7	6	6	6	5	5	30°
142.5°	10	9	8	8	8	7	6	6	6	5	5	32.5°
145°	9	8	8	8	8	7	6	6	6	5	5	35°
147.5°	8	7	8	8	8	7	6	6	6	5	5	37.5°
150°	7	7	8	8	8	7	6	6	6	5	5	40°
152.5°	7	7	8	8	8	7	6	6	6	5	5	42.5°
155°	7	7	8	8	8	7	7	6	6	5	5	45°
157.5°	7	7	8	8	8	7	6	6	6	5	5	47.5°
160°	7	7	8	8	8	7	6	6	6	5	5	50°
162.5°	7	7	8	8	8	7	6	6	6	5	5	51°
165°	7	7	8	8	8	7	6	6	6	5	5	52.5°
167.5°	7	7	8	8	8	7	6	6	6	5	5	55°
170°	7	7	8	8	8	7	6	6	5	5	5	57.5°
172.5°	7	7	7	8	7	7	6	5	5	5	4	60°
175°	7	7	7	8	7	7	6	5	5	5	4	62.5°
177.5°	7	7	7	8	7	7	6	5	5	5	4	65°
180°	5	5	5	5	5	5	5	5	5	5	5	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

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REPORT NUMBER: P  
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**DISTRIBUTION (continued):**

165°	170°	175°	180°
1547	1547	1547	1547
1521	1522	1522	1527
1504	1504	1503	1504
1312	1314	1298	1294
1021	1019	995	990
781	766	749	744
592	584	569	567
472	460	447	446
382	374	367	367
332	327	321	320
292	286	281	279
256	252	244	242
227	228	222	223
217	219	219	220
216	222	223	226
221	225	227	229
221	224	223	226
219	214	210	211
205	198	192	193
187	184	179	180
174	171	166	165
167	164	158	157
157	153	147	147
141	137	133	132
129	126	122	121
116	111	107	104
98	93	90	89
83	80	78	77
69	68	67	67
56	54	53	53
42	40	39	39
29	28	26	26
14	14	13	14
6	6	5	5
6	6	5	5
5	5	5	5
5	5	5	5
5	5	5	5
5	5	5	5
5	5	5	4
5	5	4	4
5	5	4	4
5	5	4	4
5	4	4	4
4	4	4	4
4	4	3	3

**CANDELA DISTRIBUTION:**

	165°
110°	4
112.5°	4
115°	5
117.5°	5
120°	5
122.5°	5
125°	5
127.5°	4
130°	4
132.5°	4
135°	4
137.5°	5
140°	5
142.5°	5
145°	5
147.5°	5
150°	5
152.5°	5
155°	5
157.5°	5
160°	5
162.5°	5
165°	4
167.5°	4
170°	4
172.5°	4
175°	4
177.5°	4
180°	5



'26560  
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**TION (continued):**

170°	175°	180°
4	3	3
4	3	3
5	4	4
5	4	4
5	4	4
5	4	4
4	4	3
4	4	3
4	4	3
4	3	3
4	4	4
4	4	4
4	4	4
4	4	3
4	4	4
5	4	4
4	4	3
5	4	4
4	4	4
4	4	3
4	4	4
4	4	3
4	4	3
4	3	3
4	3	3
4	3	3
4	3	3
5	5	5

(END OF REPORT)