

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: P208567

Luminaire Tested: **XTOR3B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27501)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR3B
Description: CROSSTOUR 26W WALL MOUNT LED

Light Source: EATON LED 5000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2750.9 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.46' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

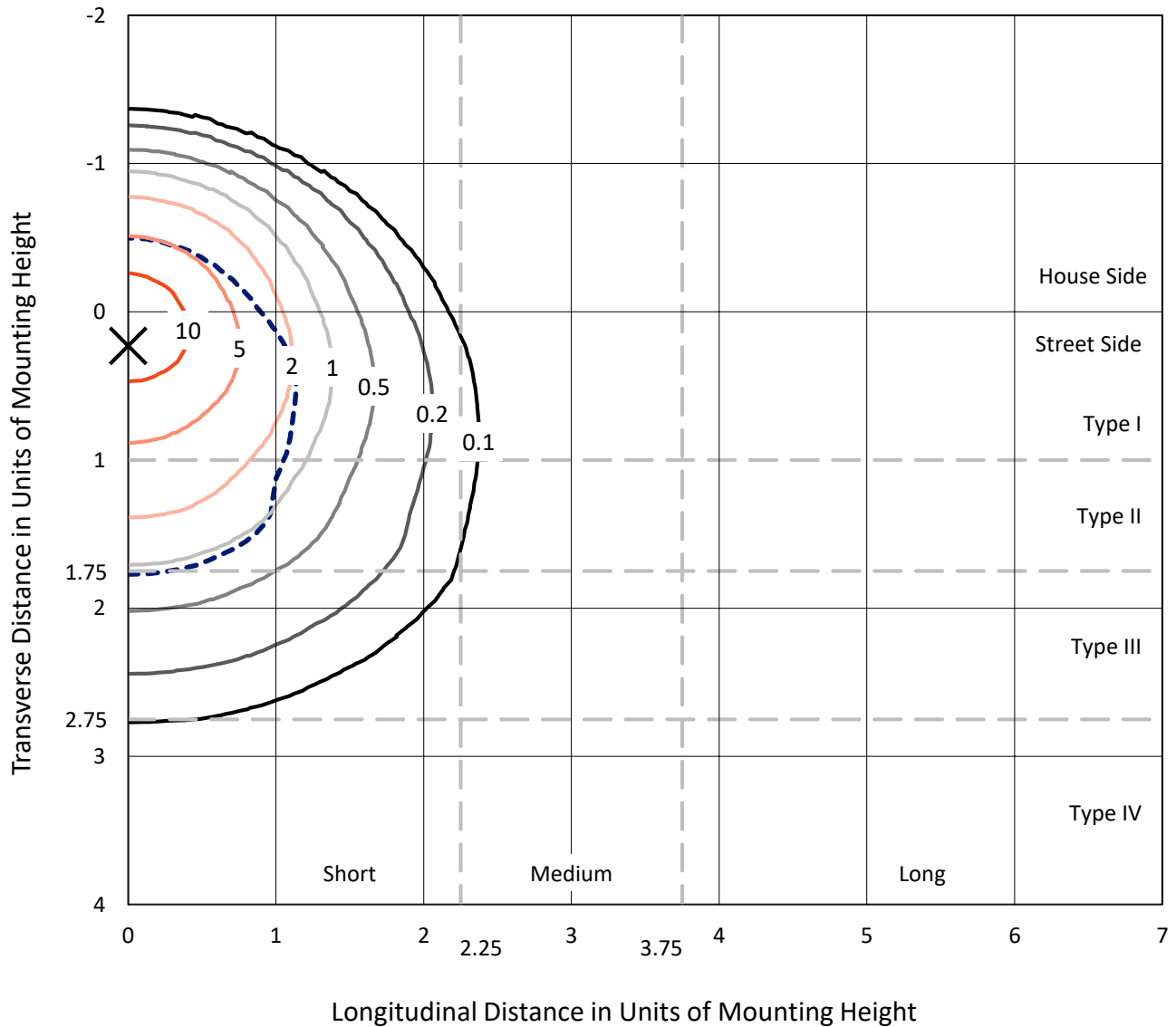
Input Watts (W): 25.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

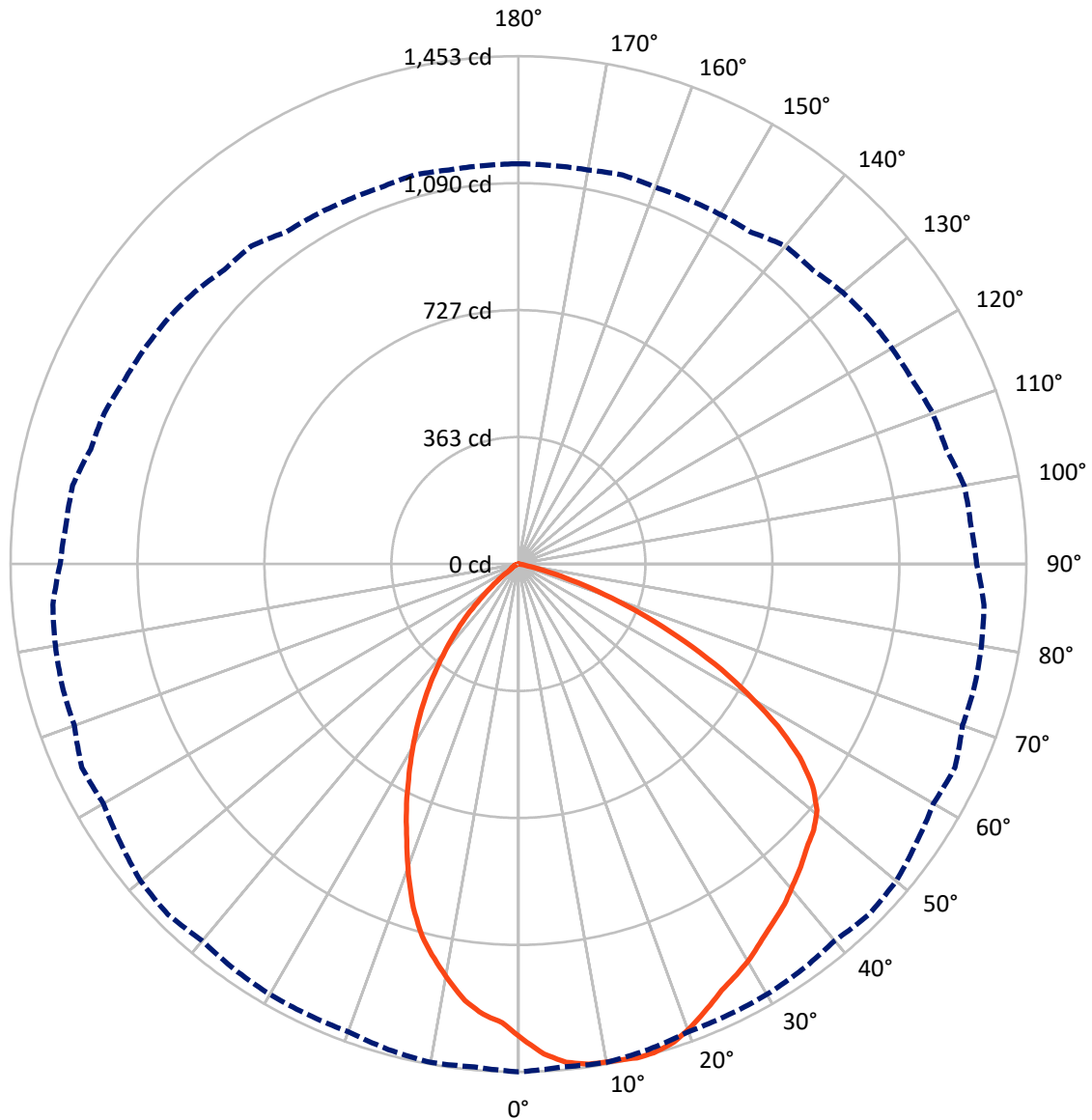
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 13-Deg Vertical

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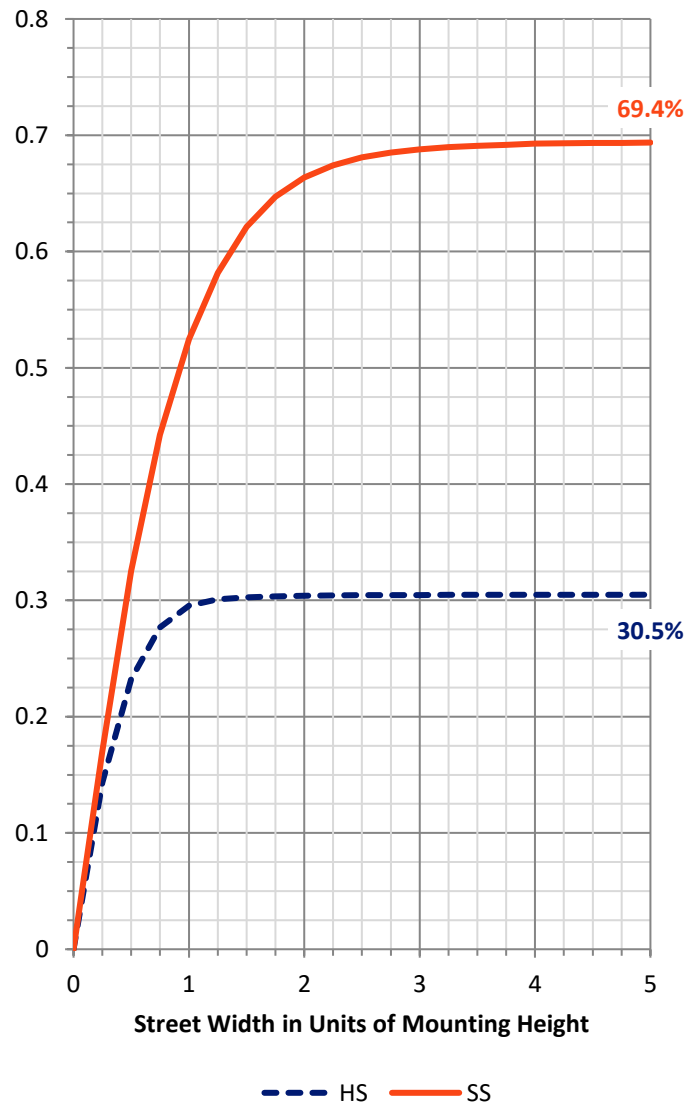
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	845.9	0.0	845.9
	% Fixture	30.8	0.0	30.8
Street Side	Lumens	1905.0	0.0	1905.0
	% Fixture	69.2	0.0	69.2
Total	Lumens	2750.9	0.0	2750.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	4.7
10°-20°	360.3	13.1
20°-30°	512.8	18.6
30°-40°	564.4	20.5
40°-50°	519.5	18.9
50°-60°	390.9	14.2
60°-70°	215.0	7.8
70°-80°	56.9	2.1
80°-90°	2.8	0.1
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°	2750.9	100.0
0°-180°	2750.9	100.0

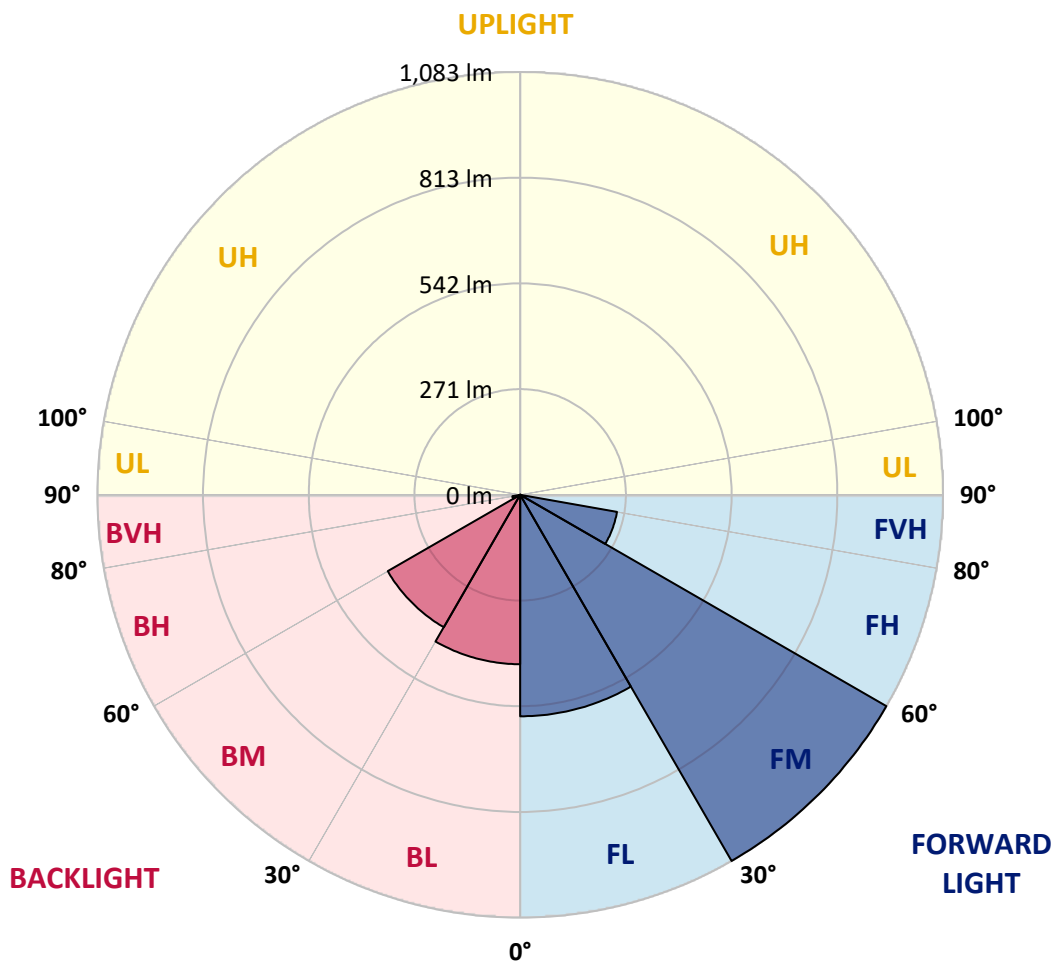


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	567.5	20.6			
FM	(30°-60°)	1083.3	39.4			
FH	(60°-80°)	251.8	9.2			G0/660
FVH	(80°-90°)	2.4	0.1			G0/10
BL	(0°-30°)	433.9	15.8	B1/500		
BM	(30°-60°)	391.5	14.2	B1/1000		
BH	(60°-80°)	20.1	0.7	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359
2.5°	1404	1397	1401	1394	1383	1381	1382	1379	1372	1388	1388
5°	1432	1424	1428	1419	1406	1405	1402	1398	1392	1407	1406
7.5°	1445	1437	1441	1431	1418	1415	1413	1408	1400	1415	1413
10°	1447	1440	1443	1434	1419	1416	1413	1408	1400	1413	1409
12.5°	1451	1443	1447	1437	1423	1422	1419	1416	1405	1417	1410
13°	1453	1444	1448	1438	1424	1423	1422	1416	1407	1418	1411
15°	1451	1443	1447	1438	1427	1427	1426	1421	1411	1421	1411
17.5°	1439	1429	1436	1428	1418	1417	1416	1412	1400	1411	1403
20°	1413	1403	1413	1406	1397	1398	1398	1394	1383	1396	1390
22.5°	1382	1373	1381	1380	1373	1376	1378	1376	1369	1383	1377
25°	1351	1345	1355	1352	1347	1353	1355	1357	1352	1366	1360
27.5°	1330	1324	1334	1332	1325	1328	1329	1331	1327	1341	1337
30°	1308	1302	1310	1310	1302	1301	1297	1296	1293	1308	1307
32.5°	1280	1274	1282	1280	1272	1269	1265	1259	1252	1269	1271
35°	1257	1247	1255	1253	1244	1237	1236	1230	1219	1229	1232
37.5°	1236	1228	1230	1229	1219	1213	1206	1197	1183	1188	1190
40°	1209	1200	1201	1200	1192	1182	1170	1159	1143	1143	1138
42.5°	1184	1175	1173	1169	1159	1146	1132	1116	1099	1096	1082
45°	1157	1145	1143	1131	1117	1102	1089	1067	1048	1040	1023
47.5°	1137	1127	1119	1100	1074	1057	1040	1020	994	981	959
50°	1107	1103	1097	1079	1045	1008	985	959	929	910	886
52.5°	1054	1053	1051	1043	1015	981	935	898	860	830	803
55°	977	980	978	973	954	929	894	832	778	748	718
57.5°	875	879	882	874	859	848	825	782	705	670	637
60°	752	754	752	753	743	740	724	699	653	593	560
62.5°	631	630	636	630	622	617	614	609	584	539	482
65°	500	500	501	506	502	499	501	504	491	473	418
67.5°	375	377	378	388	388	390	388	395	390	383	367
70°	261	262	272	272	280	282	284	295	296	295	291
72.5°	159	160	169	172	177	183	191	204	204	210	209
75°	75	77	83	88	94	105	112	125	128	135	134
77.5°	28	26	29	31	35	43	48	60	65	73	74
80°	12	11	11	11	10	12	14	19	23	28	32
82.5°	6	6	6	6	6	6	6	6	6	7	8
85°	3	2	3	3	2	2	2	2	3	3	3
87.5°	1	1	1	1	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359
2.5°	1374	1362	1375	1357	1363	1364	1365	1346	1343	1348	1331
5°	1390	1376	1389	1368	1373	1372	1370	1348	1343	1346	1326
7.5°	1397	1383	1395	1374	1376	1374	1370	1344	1337	1336	1313
10°	1391	1376	1386	1363	1365	1360	1356	1329	1320	1318	1292
12.5°	1390	1371	1379	1354	1353	1347	1340	1314	1304	1299	1271
13°	1390	1371	1378	1352	1351	1345	1337	1311	1299	1295	1267
15°	1388	1369	1374	1347	1342	1335	1324	1295	1282	1274	1245
17.5°	1380	1362	1366	1335	1327	1316	1303	1269	1251	1241	1207
20°	1367	1349	1351	1318	1308	1292	1273	1238	1216	1199	1163
22.5°	1354	1333	1333	1297	1285	1266	1243	1204	1176	1154	1113
25°	1336	1314	1314	1278	1260	1239	1210	1164	1131	1103	1058
27.5°	1315	1290	1290	1250	1228	1204	1169	1119	1080	1045	996
30°	1286	1257	1253	1213	1189	1158	1119	1064	1018	977	927
32.5°	1247	1218	1212	1172	1144	1105	1060	998	947	900	847
35°	1210	1184	1172	1125	1094	1049	996	928	873	828	772
37.5°	1173	1145	1130	1078	1040	990	925	856	797	753	703
40°	1121	1093	1077	1020	975	918	849	779	722	679	632
42.5°	1060	1035	1017	958	903	838	774	705	650	610	566
45°	994	967	943	878	825	766	700	634	582	542	496
47.5°	923	888	859	803	751	695	634	565	518	477	436
50°	843	803	776	721	675	625	562	496	447	412	371
52.5°	758	721	696	651	606	554	492	428	387	348	311
55°	674	640	620	575	533	479	423	364	325	290	253
57.5°	598	565	541	503	458	411	359	302	265	230	196
60°	521	487	467	429	389	342	290	244	208	176	142
62.5°	447	416	390	358	320	275	232	190	159	126	95
65°	377	342	320	289	254	215	178	139	111	82	56
67.5°	304	277	253	222	190	159	129	93	67	45	27
70°	252	216	188	163	133	108	84	55	35	20	13
72.5°	196	157	135	111	87	67	46	26	15	11	10
75°	127	114	90	69	50	35	21	11	9	9	8
77.5°	71	66	52	37	24	14	9	7	7	6	5
80°	31	30	24	16	9	7	7	5	4	4	3
82.5°	7	6	5	6	6	5	4	3	3	2	1
85°	3	2	2	2	1	1	1	1	1	1	1
87.5°	1	1	1	1	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359
2.5°	1338	1333	1339	1339	1340	1328	1335	1314	1315	1314	1314
5°	1331	1323	1326	1325	1324	1311	1316	1294	1294	1292	1291
7.5°	1315	1305	1305	1301	1298	1282	1286	1262	1263	1259	1258
10°	1291	1277	1272	1266	1258	1240	1243	1217	1217	1211	1209
12.5°	1267	1250	1240	1230	1218	1198	1197	1169	1164	1160	1157
13°	1261	1244	1234	1224	1210	1190	1188	1159	1155	1150	1147
15°	1237	1218	1205	1194	1178	1155	1150	1121	1116	1109	1104
17.5°	1195	1173	1157	1144	1124	1101	1093	1060	1054	1043	1036
20°	1148	1121	1104	1083	1061	1033	1022	985	976	962	954
22.5°	1090	1064	1040	1015	989	957	940	901	889	875	864
25°	1033	998	969	940	911	876	858	821	808	796	785
27.5°	962	926	893	863	830	800	783	751	735	721	711
30°	885	848	814	786	753	726	709	679	664	647	638
32.5°	810	770	738	710	682	653	636	607	590	576	563
35°	736	700	669	641	613	585	567	538	522	506	493
37.5°	667	633	602	575	545	518	500	472	458	442	427
40°	599	566	535	508	478	452	433	405	388	375	360
42.5°	533	498	468	440	412	386	368	341	326	307	295
45°	465	432	402	375	348	320	302	277	263	247	234
47.5°	399	370	339	313	283	257	238	218	202	187	175
50°	338	308	278	248	221	198	178	156	145	131	120
52.5°	279	247	218	190	163	139	122	105	91	81	72
55°	219	190	161	134	110	90	72	59	49	43	41
57.5°	163	135	109	83	61	45	35	31	29	25	24
60°	113	87	63	42	28	24	24	23	22	22	22
62.5°	70	47	29	21	21	22	21	19	19	18	17
65°	36	22	17	19	20	18	15	14	14	14	14
67.5°	17	15	17	16	14	12	11	11	11	11	11
70°	12	13	13	11	9	9	8	8	8	8	8
72.5°	10	10	9	7	7	6	6	5	5	5	5
75°	7	6	5	5	4	3	3	3	3	3	3
77.5°	5	4	3	2	2	2	2	1	1	1	1
80°	2	2	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	0
85°	1	1	1	1	1	1	1	0	0	0	0
87.5°	1	1	1	1	1	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1359	1359	1359	1359
2.5°	1322	1314	1314	1313
5°	1299	1292	1292	1292
7.5°	1266	1257	1257	1258
10°	1216	1210	1208	1208
12.5°	1162	1155	1154	1155
13°	1152	1145	1144	1145
15°	1107	1101	1099	1100
17.5°	1036	1030	1024	1028
20°	951	943	936	942
22.5°	861	855	851	852
25°	781	774	770	773
27.5°	707	700	696	692
30°	632	625	621	618
32.5°	556	549	544	545
35°	487	479	475	477
37.5°	421	414	408	408
40°	352	346	341	340
42.5°	288	283	279	279
45°	226	220	216	218
47.5°	167	163	159	159
50°	113	111	109	107
52.5°	69	67	65	66
55°	35	34	34	33
57.5°	25	24	24	24
60°	22	22	22	22
62.5°	18	18	18	18
65°	15	15	15	15
67.5°	11	12	12	12
70°	9	9	9	9
72.5°	6	6	6	6
75°	3	4	4	4
77.5°	2	2	2	2
80°	1	1	1	1
82.5°	0	0	0	0
85°	0	0	0	0
87.5°	0	0	0	0
90°	0	0	0	0

(END OF REPORT)