Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: STREETWORKS

Report Number: P560030

Luminaire Tested: **SDL-PA1-20-740-U-T2R-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560030
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-20-740-U-T2R-HSS
Description:	Springdale (1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2235.4 lumens
Efficiency:	N/A
Efficacy:	107.0 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	20.9
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:	24 FT

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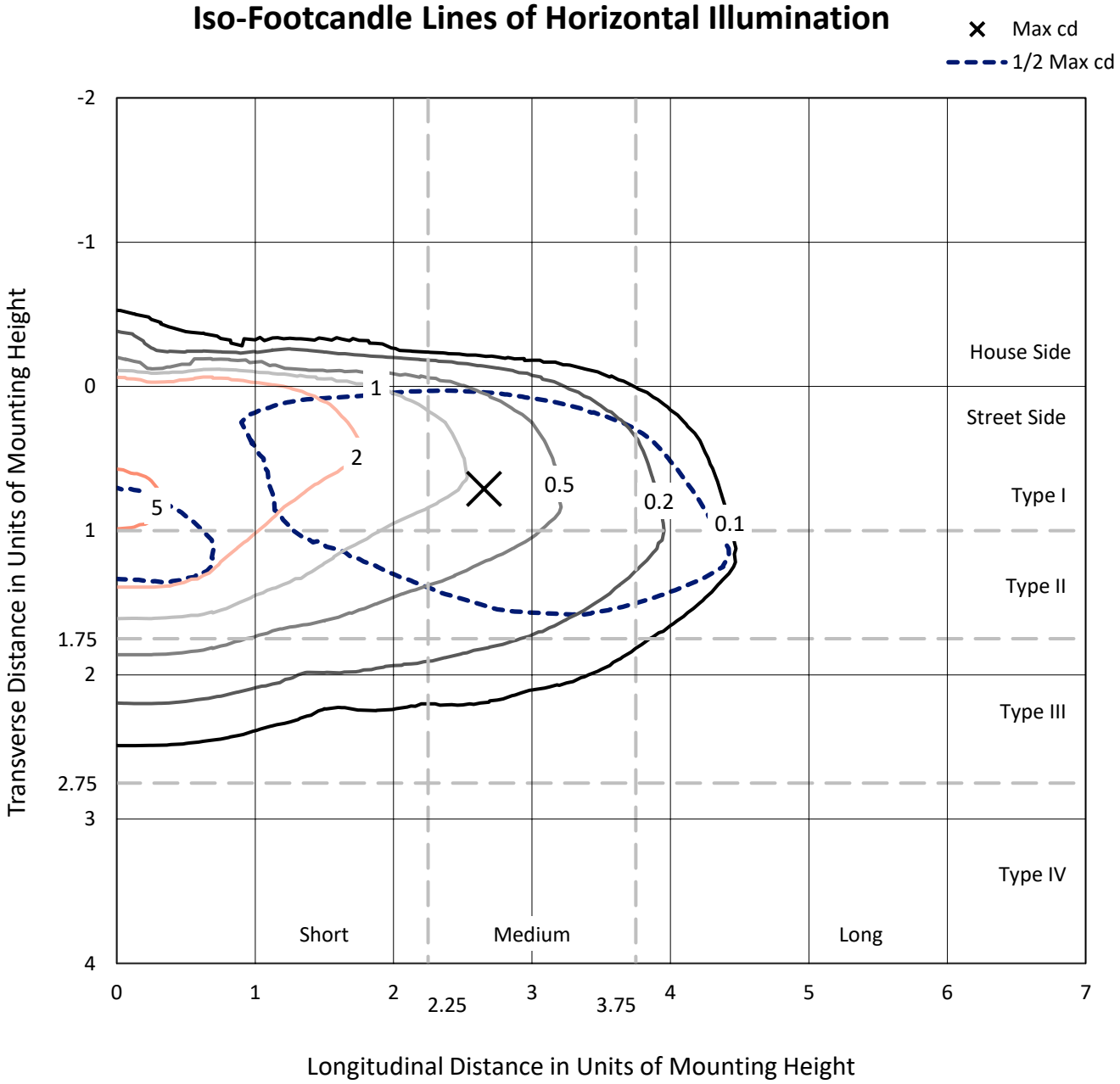
REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

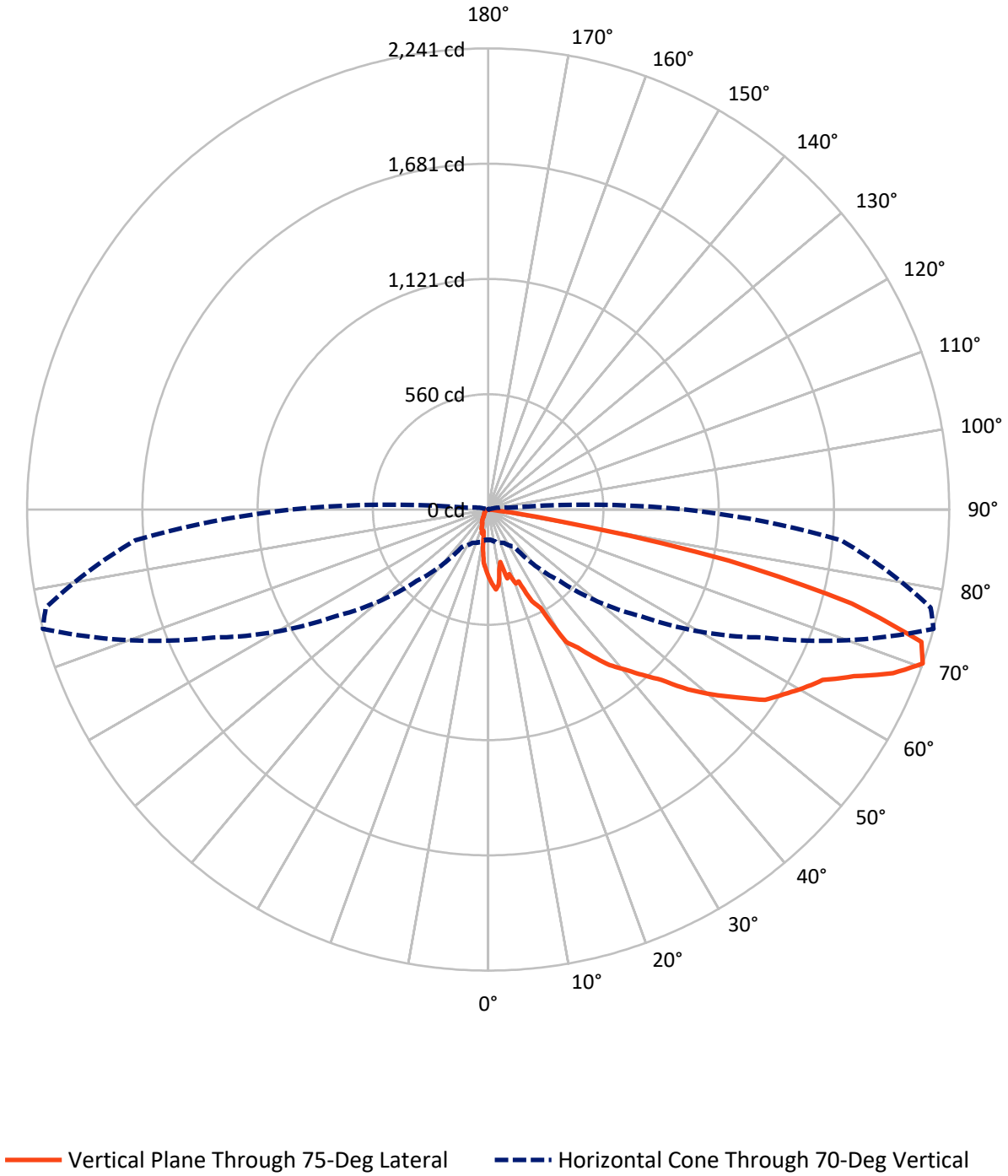
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Medium - N/A

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

Luminous Intensity Polar Plot



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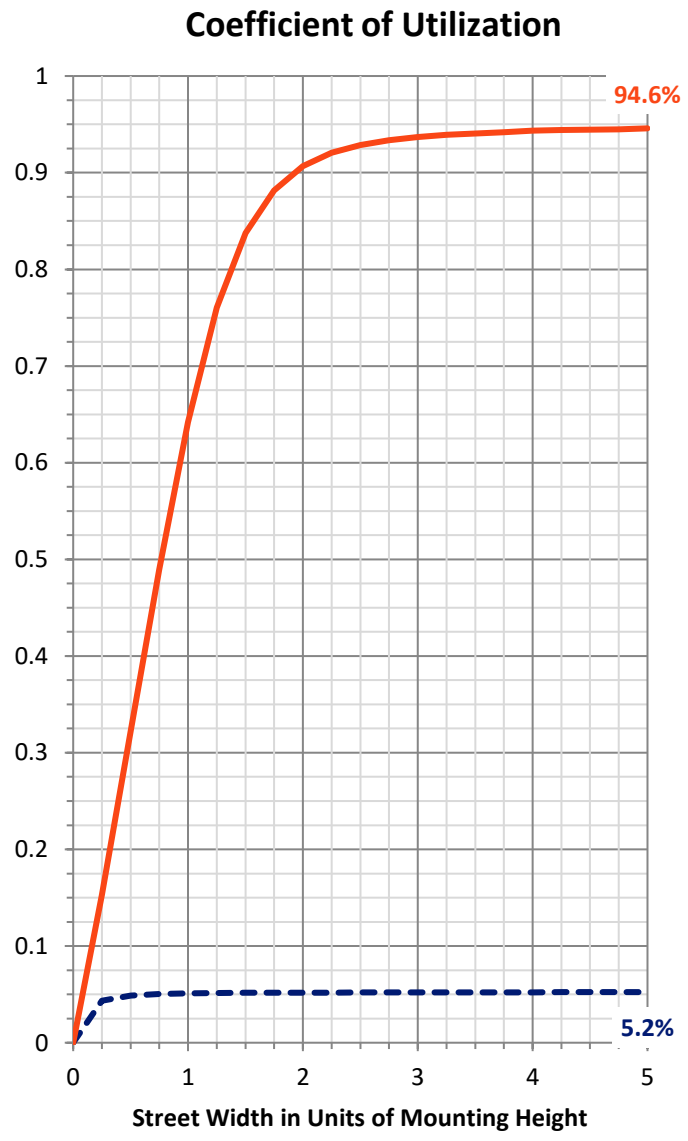
REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	118.1	0.0	118.1
	% Fixture	5.3	0.0	5.3
Street Side	Lumens	2117.3	0.0	2117.3
	% Fixture	94.7	0.0	94.7
Total	Lumens	2235.4	0.0	2235.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	1.2
10°-20°	64.5	2.9
20°-30°	122.6	5.5
30°-40°	272.5	12.2
40°-50°	439.3	19.7
50°-60°	529.4	23.7
60°-70°	479.8	21.5
70°-80°	286.0	12.8
80°-90°	15.4	0.7
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°	2235.4	100.0
0°-180°	2235.4	100.0

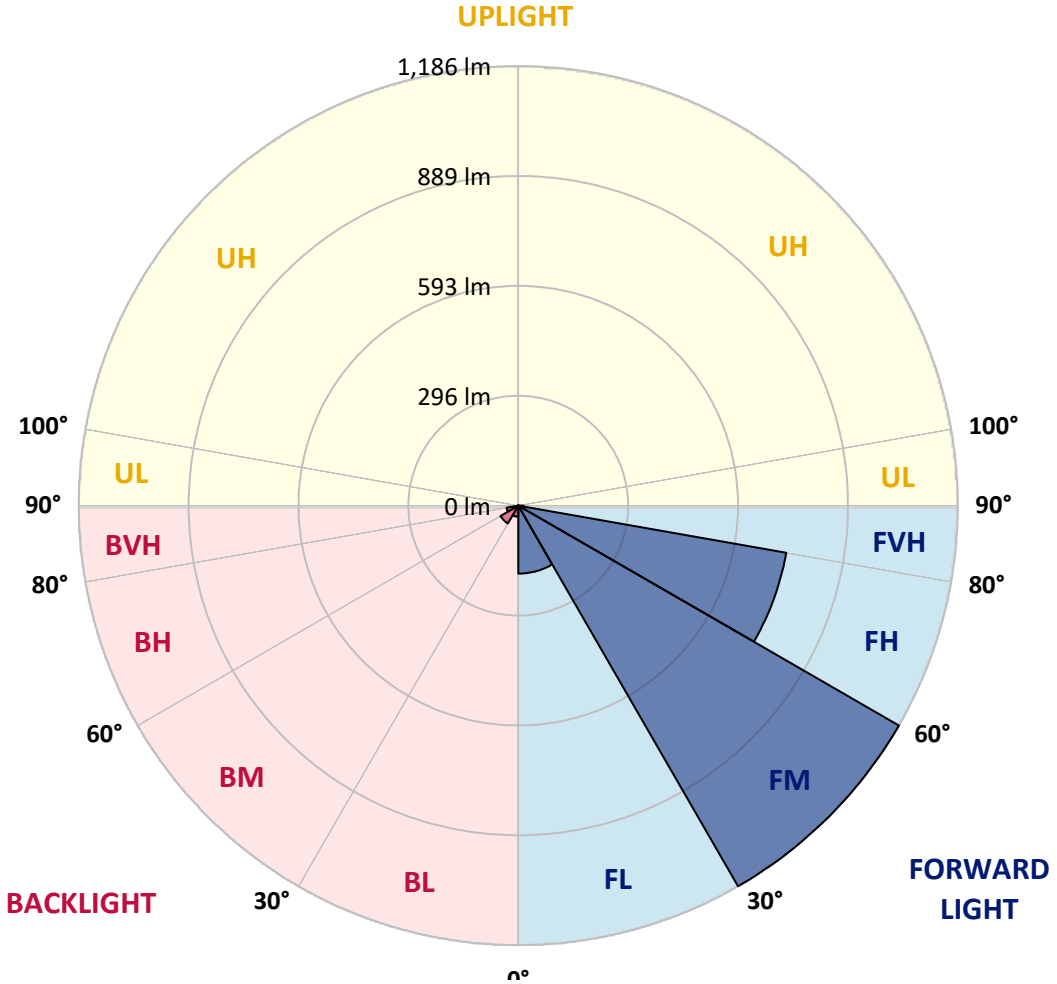


REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	183.3	8.2			
FM	(30°-60°)	1185.9	53.1			
FH	(60°-80°)	734.0	32.8			G1/1800
FVH	(80°-90°)	14.1	0.6			G1/100
BL	(0°-30°)	29.7	1.3	B0/110		
BM	(30°-60°)	55.3	2.5	B0/220		
BH	(60°-80°)	31.8	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Medium



REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	364	372	380	383	387	390	393	396	399	401	404
5°	414	413	412	411	411	410	409	408	407	405	404
7.5°	363	389	414	415	416	416	417	423	429	434	440
10°	472	472	472	472	472	471	471	472	472	473	473
12.5°	397	403	408	426	443	461	478	482	486	489	493
15°	480	482	484	485	486	486	487	472	457	442	427
17.5°	380	382	383	396	409	422	435	442	450	457	464
20°	487	488	489	490	491	491	492	460	428	396	364
22.5°	407	408	408	411	413	416	418	430	442	454	466
25°	559	559	558	553	549	544	539	509	479	448	418
27.5°	520	521	521	517	513	509	505	511	518	524	530
30°	750	750	750	745	739	734	728	684	640	595	551
32.5°	1008	990	971	935	899	862	826	799	772	744	717
35°	1123	1120	1117	1104	1091	1077	1064	1012	960	907	855
37.5°	1220	1216	1211	1201	1191	1181	1171	1118	1064	1011	957
40°	1298	1295	1292	1284	1276	1268	1260	1203	1146	1089	1032
42.5°	1354	1354	1353	1347	1340	1334	1327	1270	1213	1156	1099
45°	1396	1396	1396	1392	1387	1383	1378	1328	1279	1229	1179
47.5°	1402	1403	1404	1404	1404	1404	1404	1357	1311	1264	1217
50°	1347	1350	1353	1358	1364	1369	1374	1351	1327	1304	1280
52.5°	1200	1213	1225	1238	1251	1263	1276	1267	1258	1249	1240
55°	913	921	928	965	1002	1039	1076	1092	1107	1123	1138
57.5°	709	712	714	738	762	785	809	849	889	928	968
60°	570	570	570	584	597	611	624	660	696	732	768
62.5°	424	428	432	446	459	473	486	504	522	540	558
65°	294	299	303	312	322	331	340	355	371	386	401
67.5°	207	209	211	216	220	225	229	239	248	258	267
70°	*147*	*148*	*148*	*152*	*156*	*160*	*164*	*168*	*172*	*175*	*179*
72.5°	107	108	109	112	114	117	119	121	123	125	127
75°	55	57	58	66	74	82	90	91	92	92	93
77.5°	46	47	47	48	49	50	51	56	62	67	72
80°	33	33	32	34	36	38	40	42	44	45	47
82.5°	19	20	20	21	22	23	24	26	29	31	33
85°	2	3	4	6	8	10	12	15	17	20	22
87.5°	1	1	1	1	2	2	2	3	3	4	4
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	406	408	409	411	410	408	407	405	402	399	395
5°	402	400	398	396	393	391	388	385	381	378	374
7.5°	440	439	439	438	435	433	430	427	422	417	412
10°	451	429	406	384	389	394	399	404	389	374	358
12.5°	483	473	463	453	437	420	404	387	379	370	362
15°	416	406	395	384	391	398	405	412	389	365	342
17.5°	455	445	436	426	398	370	341	313	337	360	384
20°	372	380	387	395	405	415	424	434	422	410	398
22.5°	450	435	419	403	410	417	423	430	416	402	387
25°	434	451	467	483	458	434	409	384	406	428	450
27.5°	507	484	460	437	458	479	499	520	501	481	462
30°	548	545	541	538	527	517	506	495	501	507	513
32.5°	683	650	616	582	590	598	605	613	604	595	585
35°	811	767	722	678	677	675	674	672	668	664	660
37.5°	907	857	807	757	758	758	759	759	745	731	717
40°	986	940	894	848	844	840	836	832	813	793	774
42.5°	1053	1008	962	916	909	903	896	889	873	856	840
45°	1126	1073	1020	967	961	955	949	943	930	917	904
47.5°	1164	1111	1057	1004	1000	995	991	986	979	971	964
50°	1218	1157	1095	1033	1031	1029	1026	1024	1022	1021	1019
52.5°	1193	1145	1098	1050	1051	1051	1052	1052	1057	1062	1067
55°	1113	1089	1064	1039	1044	1050	1055	1060	1073	1085	1098
57.5°	972	976	980	984	1002	1019	1037	1054	1073	1091	1110
60°	790	812	833	855	897	939	981	1023	1052	1080	1109
62.5°	589	620	651	682	747	813	878	943	987	1030	1074
65°	430	459	487	516	594	672	750	828	891	953	1016
67.5°	288	309	329	350	429	508	587	666	753	840	926
70°	*190*	*200*	*211*	*221*	*289*	*356*	*424*	*491*	*594*	*696*	*799*
72.5°	130	133	136	139	185	231	277	323	427	531	634
75°	93	92	92	91	118	145	171	198	279	359	440
77.5°	71	69	68	66	79	92	105	118	156	195	233
80°	45	43	40	38	43	48	53	58	64	70	76
82.5°	33	33	33	33	33	34	34	34	32	30	27
85°	21	20	19	18	16	14	12	10	11	12	12
87.5°	4	3	3	2	2	2	2	2	3	3	4
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	328	328	328	328	328	328	328	328	*328*	328	328
2.5°	392	388	384	380	376	372	368	364	*360*	354	349
5°	370	381	393	404	415	409	403	397	*391*	381	371
7.5°	407	394	382	370	357	360	363	366	*369*	360	348
10°	343	336	329	322	315	311	306	302	*297*	322	312
12.5°	353	350	347	343	340	320	301	281	*261*	253	256
15°	318	315	312	309	306	316	327	337	*347*	345	343
17.5°	407	394	382	369	356	350	343	337	*330*	319	316
20°	386	372	358	344	330	344	357	371	*384*	407	400
22.5°	373	396	420	443	466	444	423	401	*379*	386	352
25°	472	455	439	422	405	427	449	471	*493*	483	467
27.5°	442	459	475	492	508	516	525	533	*541*	521	525
30°	519	540	560	581	601	638	674	711	*747*	739	707
32.5°	576	611	646	680	715	736	758	779	*800*	802	762
35°	656	680	704	728	752	784	815	847	*878*	860	815
37.5°	703	728	754	779	804	843	882	920	*959*	920	871
40°	754	781	809	836	863	903	942	982	*1021*	1019	952
42.5°	823	850	878	905	932	974	1016	1057	*1099*	1098	1022
45°	891	916	940	965	989	1037	1085	1133	*1181*	1186	1100
47.5°	956	978	1000	1022	1044	1110	1175	1241	*1306*	1275	1182
50°	1017	1039	1061	1083	1105	1182	1260	1337	*1414*	1373	1273
52.5°	1072	1099	1127	1154	1181	1265	1349	1433	*1517*	1475	1372
55°	1110	1148	1185	1223	1260	1353	1447	1540	*1633*	1585	1466
57.5°	1128	1173	1219	1264	1309	1405	1502	1598	*1694*	1646	1524
60°	1137	1189	1241	1292	1344	1448	1553	1657	*1761*	1720	1596
62.5°	1117	1183	1250	1316	1382	1493	1604	1714	*1825*	1798	1680
65°	1078	1165	1253	1340	1427	1559	1691	1822	*1954*	1925	1807
67.5°	1013	1127	1241	1355	1469	1633	1796	1960	*2123*	2094	1959
70°	*901*	*1044*	*1187*	*1329*	*1472*	*1664*	*1857*	*2049*	*2241*	*2203*	*2043*
72.5°	738	899	1060	1220	1381	1586	1792	1997	*2202*	2130	1948
75°	520	667	814	960	1107	1287	1467	1646	*1826*	1734	1556
77.5°	271	362	452	543	633	774	914	1055	*1195*	1030	896
80°	82	120	157	195	232	265	298	330	*363*	270	224
82.5°	25	33	40	48	55	55	55	54	*54*	43	36
85°	13	14	14	15	15	15	14	14	*13*	13	11
87.5°	4	4	5	5	5	5	5	4	*4*	4	4
90°	0	0	0	0	0	0	0	0	*0*	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	345	340	335	329	323	317	311	305	299	293	288
5°	362	352	342	331	319	307	296	285	273	262	252
7.5°	336	324	309	294	279	264	248	233	217	201	188
10°	301	291	275	258	240	221	200	179	158	137	128
12.5°	258	261	244	227	208	189	169	149	128	108	102
15°	341	339	317	295	266	237	208	178	149	119	104
17.5°	312	309	285	261	235	209	182	154	127	99	85
20°	394	387	357	326	288	249	211	173	135	97	81
22.5°	318	284	260	236	206	175	150	124	99	73	63
25°	450	434	393	351	298	245	202	159	116	73	61
27.5°	529	533	477	421	354	287	231	175	119	63	54
30°	675	643	577	510	416	321	255	189	123	57	49
32.5°	723	683	608	532	422	311	245	179	112	46	41
35°	771	726	640	554	428	301	235	170	104	38	35
37.5°	822	773	677	580	434	288	225	161	98	34	31
40°	886	819	713	606	440	274	213	153	92	31	28
42.5°	947	871	753	634	447	260	202	145	87	29	26
45°	1015	929	801	672	457	242	188	134	80	26	23
47.5°	1089	996	853	710	467	224	174	125	75	25	22
50°	1173	1073	916	758	487	215	167	119	71	23	20
52.5°	1270	1167	991	814	511	207	161	114	68	21	18
55°	1348	1229	1034	838	516	193	150	106	63	19	17
57.5°	1403	1281	1075	869	525	180	139	99	58	17	15
60°	1471	1347	1126	904	536	168	130	92	53	15	13
62.5°	1562	1444	1199	953	554	154	119	84	48	13	12
65°	1688	1570	1285	1000	571	141	109	77	44	12	11
67.5°	1823	1688	1353	1017	571	125	97	68	40	11	10
70°	*1883*	*1723*	*1342*	*960*	*530*	*100*	*78*	*55*	*33*	*10*	*9*
72.5°	1767	1585	1193	801	432	63	49	36	22	8	7
75°	1377	1199	890	580	306	31	25	19	12	6	5
77.5°	763	629	457	285	152	18	15	12	8	5	5
80°	179	133	97	60	36	11	9	8	6	4	4
82.5°	29	22	16	10	8	6	5	5	4	3	3
85°	9	7	6	4	4	3	3	3	2	2	2
87.5°	3	3	3	2	2	2	2	2	2	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	282	277	271	267	263	258	254	250	246	242	238
5°	242	231	221	208	194	181	167	161	156	150	144
7.5°	175	162	149	144	139	133	128	123	118	113	108
10°	120	111	102	98	94	89	85	81	77	72	68
12.5°	96	89	83	76	69	62	55	53	51	48	46
15°	88	73	57	52	48	43	38	37	37	36	35
17.5°	71	57	43	41	38	36	33	31	29	27	25
20°	65	49	33	32	31	29	28	27	27	26	25
22.5°	54	44	34	31	28	25	22	22	23	23	23
25°	49	37	25	25	24	24	23	22	20	19	17
27.5°	45	36	27	25	23	21	19	19	18	18	17
30°	42	34	26	24	23	21	19	18	17	15	14
32.5°	37	32	27	25	22	20	17	16	15	13	12
35°	32	28	25	23	20	18	15	14	13	12	11
37.5°	28	25	22	20	18	15	13	12	11	10	9
40°	25	22	19	17	15	13	11	10	10	9	8
42.5°	23	20	17	15	14	12	10	9	8	7	6
45°	21	18	15	14	12	11	9	8	7	6	5
47.5°	19	16	13	12	11	9	8	7	6	5	4
50°	18	15	12	11	10	8	7	6	6	5	4
52.5°	16	13	10	9	8	7	6	5	5	4	3
55°	14	12	9	8	7	6	5	4	4	3	2
57.5°	13	10	8	7	6	5	4	4	3	3	2
60°	11	9	7	6	5	4	3	3	2	2	1
62.5°	10	9	7	6	5	4	3	3	2	2	1
65°	9	8	6	5	5	4	3	3	2	2	1
67.5°	9	7	6	5	4	3	2	2	2	1	1
70°	*7*	*6*	*4*	*4*	*3*	*3*	*2*	*2*	*2*	*1*	*1*
72.5°	6	5	4	4	3	3	2	2	2	1	1
75°	5	4	3	3	3	2	2	2	2	1	1
77.5°	4	4	3	3	3	2	2	2	2	1	1
80°	3	3	2	2	2	2	2	2	2	1	1
82.5°	3	2	2	2	2	2	2	2	2	1	1
85°	2	2	2	2	2	2	2	2	2	1	1
87.5°	2	2	2	2	3	3	3	3	2	2	1
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	234	229	225	220	213	205	198	190	189	188	186
5°	141	138	135	132	130	128	126	124	122	121	119
7.5°	104	100	96	92	89	87	84	81	79	76	74
10°	64	59	55	50	52	54	55	57	57	56	56
12.5°	46	46	46	46	46	46	45	45	45	44	44
15°	34	33	32	31	31	31	30	30	32	33	35
17.5°	26	27	27	28	29	30	30	31	31	32	32
20°	25	25	24	24	23	23	22	21	22	24	25
22.5°	22	20	19	17	18	20	21	22	22	22	22
25°	18	18	19	19	18	17	16	15	16	17	17
27.5°	16	15	14	13	14	14	15	15	15	15	14
30°	14	14	13	13	13	12	12	11	12	12	13
32.5°	12	11	11	10	10	11	11	11	11	11	11
35°	11	10	10	9	9	9	9	9	10	10	11
37.5°	9	8	8	7	7	8	8	8	8	9	9
40°	8	7	7	6	6	7	7	7	7	8	8
42.5°	6	6	5	5	5	6	6	6	6	7	7
45°	5	5	4	4	4	5	5	5	5	5	5
47.5°	4	4	3	3	3	4	4	4	4	4	4
50°	4	3	3	2	2	3	3	3	3	3	3
52.5°	3	3	2	2	2	2	2	2	2	2	2
55°	2	2	1	1	1	2	2	2	2	2	1
57.5°	2	2	1	1	1	2	2	2	2	2	1
60°	1	1	1	1	1	2	2	2	2	2	1
62.5°	1	1	1	1	1	2	2	2	2	2	2
65°	1	1	1	1	2	2	3	3	3	3	2
67.5°	1	1	1	1	2	2	3	3	3	2	2
70°	*1*	*2*	*2*	*2*	*2*	*3*	*3*	*3*	*3*	*3*	*2*
72.5°	1	2	2	2	2	3	3	3	3	3	2
75°	2	2	3	3	3	3	3	3	3	3	2
77.5°	2	2	3	3	3	3	3	3	3	3	2
80°	2	2	3	3	3	3	3	3	3	3	2
82.5°	2	2	3	3	3	3	3	3	3	3	2
85°	2	3	3	4	4	4	3	3	3	3	2
87.5°	2	3	3	4	4	4	3	3	3	3	2
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	185	183	181	178	176	178	180	178	176	178	181
5°	117	116	116	115	114	114	113	114	114	115	116
7.5°	71	70	69	67	66	68	69	68	66	67	69
10°	55	55	54	54	53	53	53	53	53	54	54
12.5°	43	42	41	40	39	41	42	41	39	40	41
15°	36	36	37	37	37	37	37	37	37	37	37
17.5°	32	31	31	30	29	29	28	29	29	30	31
20°	26	26	27	27	27	27	27	27	27	27	27
22.5°	22	21	21	20	19	19	18	19	19	20	21
25°	18	18	19	19	19	19	19	19	19	19	19
27.5°	14	14	14	13	13	13	13	13	13	13	14
30°	13	13	13	13	13	13	13	13	13	13	13
32.5°	11	11	11	11	11	11	11	11	11	11	11
35°	11	11	11	10	10	10	10	10	10	10	11
37.5°	9	9	9	9	9	9	9	9	9	9	9
40°	8	8	8	8	8	8	8	8	8	8	8
42.5°	7	7	7	7	7	7	7	7	7	7	7
45°	5	5	5	5	5	5	5	5	5	5	5
47.5°	4	4	4	4	4	4	4	4	4	4	4
50°	3	3	3	2	2	2	2	2	2	2	3
52.5°	2	2	2	1	1	1	1	1	1	1	2
55°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
62.5°	2	2	2	1	1	1	1	1	1	1	2
65°	2	2	1	1	0	0	0	0	0	1	1
67.5°	1	1	1	0	0	0	0	0	0	0	1
70°	*2*	*2*	*1*	*1*	*0*	*0*	*0*	*0*	*0*	*1*	*1*
72.5°	2	2	1	1	0	0	0	0	0	1	1
75°	2	2	1	1	0	0	0	0	0	1	1
77.5°	2	2	2	1	1	1	0	1	1	1	2
80°	2	2	2	1	1	1	0	1	1	1	2
82.5°	2	2	2	1	1	1	0	1	1	1	2
85°	2	2	2	1	1	1	0	1	1	1	2
87.5°	2	2	2	1	1	1	0	1	1	1	2
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	183	185	186	188	189	190	198	205	213	220	225
5°	116	117	119	121	122	124	126	128	130	132	135
7.5°	70	71	74	76	79	81	84	87	89	92	96
10°	55	55	56	56	57	57	55	54	52	50	55
12.5°	42	43	44	44	45	45	45	46	46	46	46
15°	36	36	35	33	32	30	30	31	31	31	32
17.5°	31	32	32	32	31	31	30	30	29	28	27
20°	26	26	25	24	22	21	22	23	23	24	24
22.5°	21	22	22	22	22	22	21	20	18	17	19
25°	18	18	17	17	16	15	16	17	18	19	19
27.5°	14	14	14	15	15	15	15	14	14	13	14
30°	13	13	13	12	12	11	12	12	13	13	13
32.5°	11	11	11	11	11	11	11	11	10	10	11
35°	11	11	11	10	10	9	9	9	9	9	10
37.5°	9	9	9	9	8	8	8	8	7	7	8
40°	8	8	8	8	7	7	7	7	6	6	7
42.5°	7	7	7	7	6	6	6	6	5	5	5
45°	5	5	5	5	5	5	5	5	4	4	4
47.5°	4	4	4	4	4	4	4	4	3	3	3
50°	3	3	3	3	3	3	3	3	2	2	3
52.5°	2	2	2	2	2	2	2	2	2	2	2
55°	1	1	1	2	2	2	2	2	1	1	1
57.5°	1	1	1	2	2	2	2	2	1	1	1
60°	1	1	1	2	2	2	2	2	1	1	1
62.5°	2	2	2	2	2	2	2	2	1	1	1
65°	2	2	2	3	3	3	3	2	2	1	1
67.5°	1	1	2	2	3	3	3	2	2	1	1
70°	*2*	*2*	*2*	*3*	*3*	*3*	*3*	*3*	*2*	*2*	*2*
72.5°	2	2	2	3	3	3	3	3	2	2	2
75°	2	2	2	3	3	3	3	3	3	3	3
77.5°	2	2	2	3	3	3	3	3	3	3	3
80°	2	2	2	3	3	3	3	3	3	3	3
82.5°	2	2	2	3	3	3	3	3	3	3	3
85°	2	2	2	3	3	3	3	4	4	4	3
87.5°	2	2	2	3	3	3	3	4	4	4	3
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	229	234	238	242	246	250	254	258	263	267	271
5°	138	141	144	150	156	161	167	181	194	208	221
7.5°	100	104	108	113	118	123	128	133	139	144	149
10°	59	64	68	72	77	81	85	89	94	98	102
12.5°	46	46	46	48	51	53	55	62	69	76	83
15°	33	34	35	36	37	37	38	43	48	52	57
17.5°	27	26	25	27	29	31	33	36	38	41	43
20°	25	25	25	26	27	27	28	29	31	32	33
22.5°	20	22	23	23	23	22	22	25	28	31	34
25°	18	18	17	19	20	22	23	24	24	25	25
27.5°	15	16	17	18	18	19	19	21	23	25	27
30°	14	14	14	15	17	18	19	21	23	24	26
32.5°	11	12	12	13	15	16	17	20	22	25	27
35°	10	11	11	12	13	14	15	18	20	23	25
37.5°	8	9	9	10	11	12	13	15	18	20	22
40°	7	8	8	9	10	10	11	13	15	17	19
42.5°	6	6	6	7	8	9	10	12	14	15	17
45°	5	5	5	6	7	8	9	11	12	14	15
47.5°	4	4	4	5	6	7	8	9	11	12	13
50°	3	4	4	5	6	6	7	8	10	11	12
52.5°	3	3	3	4	5	5	6	7	8	9	10
55°	2	2	2	3	4	4	5	6	7	8	9
57.5°	2	2	2	3	3	4	4	5	6	7	8
60°	1	1	1	2	2	3	3	4	5	6	7
62.5°	1	1	1	2	2	3	3	4	5	6	7
65°	1	1	1	2	2	3	3	4	5	5	6
67.5°	1	1	1	1	2	2	2	3	4	5	6
70°	*2*	*1*	*1*	*1*	*2*	*2*	*2*	*3*	*3*	*4*	*4*
72.5°	2	1	1	1	2	2	2	3	3	4	4
75°	2	2	1	1	2	2	2	2	3	3	3
77.5°	2	2	1	1	2	2	2	2	3	3	3
80°	2	2	1	1	2	2	2	2	2	2	2
82.5°	2	2	1	1	2	2	2	2	2	2	2
85°	3	2	1	1	2	2	2	2	2	2	2
87.5°	3	2	1	2	2	3	3	3	3	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	277	282	288	293	299	305	311	317	323	329	335
5°	231	242	252	262	273	285	296	307	319	331	342
7.5°	162	175	188	201	217	233	248	264	279	294	309
10°	111	120	128	137	158	179	200	221	240	258	275
12.5°	89	96	102	108	128	149	169	189	208	227	244
15°	73	88	104	119	149	178	208	237	266	295	317
17.5°	57	71	85	99	127	154	182	209	235	261	285
20°	49	65	81	97	135	173	211	249	288	326	357
22.5°	44	54	63	73	99	124	150	175	206	236	260
25°	37	49	61	73	116	159	202	245	298	351	393
27.5°	36	45	54	63	119	175	231	287	354	421	477
30°	34	42	49	57	123	189	255	321	416	510	577
32.5°	32	37	41	46	112	179	245	311	422	532	608
35°	28	32	35	38	104	170	235	301	428	554	640
37.5°	25	28	31	34	98	161	225	288	434	580	677
40°	22	25	28	31	92	153	213	274	440	606	713
42.5°	20	23	26	29	87	145	202	260	447	634	753
45°	18	21	23	26	80	134	188	242	457	672	801
47.5°	16	19	22	25	75	125	174	224	467	710	853
50°	15	18	20	23	71	119	167	215	487	758	916
52.5°	13	16	18	21	68	114	161	207	511	814	991
55°	12	14	17	19	63	106	150	193	516	838	1034
57.5°	10	13	15	17	58	99	139	180	525	869	1075
60°	9	11	13	15	53	92	130	168	536	904	1126
62.5°	9	10	12	13	48	84	119	154	554	953	1199
65°	8	9	11	12	44	77	109	141	571	1000	1285
67.5°	7	9	10	11	40	68	97	125	571	1017	1353
70°	*6*	*7*	*9*	*10*	*33*	*55*	*78*	*100*	*530*	*960*	*1342*
72.5°	5	6	7	8	22	36	49	63	432	801	1193
75°	4	5	5	6	12	19	25	31	306	580	890
77.5°	4	4	5	5	8	12	15	18	152	285	457
80°	3	3	4	4	6	8	9	11	36	60	97
82.5°	2	3	3	3	4	5	5	6	8	10	16
85°	2	2	2	2	2	3	3	3	4	4	6
87.5°	2	2	2	2	2	2	2	2	2	2	3
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	340	345	349	354	360	364	368	372	376	380	384
5°	352	362	371	381	391	397	403	409	415	404	393
7.5°	324	336	348	360	369	366	363	360	357	370	382
10°	291	301	312	322	297	302	306	311	315	322	329
12.5°	261	258	256	253	261	281	301	320	340	343	347
15°	339	341	343	345	347	337	327	316	306	309	312
17.5°	309	312	316	319	330	337	343	350	356	369	382
20°	387	394	400	407	384	371	357	344	330	344	358
22.5°	284	318	352	386	379	401	423	444	466	443	420
25°	434	450	467	483	493	471	449	427	405	422	439
27.5°	533	529	525	521	541	533	525	516	508	492	475
30°	643	675	707	739	747	711	674	638	601	581	560
32.5°	683	723	762	802	800	779	758	736	715	680	646
35°	726	771	815	860	878	847	815	784	752	728	704
37.5°	773	822	871	920	959	920	882	843	804	779	754
40°	819	886	952	1019	1021	982	942	903	863	836	809
42.5°	871	947	1022	1098	1099	1057	1016	974	932	905	878
45°	929	1015	1100	1186	1181	1133	1085	1037	989	965	940
47.5°	996	1089	1182	1275	1306	1241	1175	1110	1044	1022	1000
50°	1073	1173	1273	1373	1414	1337	1260	1182	1105	1083	1061
52.5°	1167	1270	1372	1475	1517	1433	1349	1265	1181	1154	1127
55°	1229	1348	1466	1585	1633	1540	1447	1353	1260	1223	1185
57.5°	1281	1403	1524	1646	1694	1598	1502	1405	1309	1264	1219
60°	1347	1471	1596	1720	1761	1657	1553	1448	1344	1292	1241
62.5°	1444	1562	1680	1798	1825	1714	1604	1493	1382	1316	1250
65°	1570	1688	1807	1925	1954	1822	1691	1559	1427	1340	1253
67.5°	1688	1823	1959	2094	2123	1960	1796	1633	1469	1355	1241
70°	*1723*	*1883*	*2043*	*2203*	*2241*	*2049*	*1857*	*1664*	*1472*	*1329*	*1187*
72.5°	1585	1767	1948	2130	2202	1997	1792	1586	1381	1220	1060
75°	1199	1377	1556	1734	1826	1646	1467	1287	1107	960	814
77.5°	629	763	896	1030	1195	1055	914	774	633	543	452
80°	133	179	224	270	363	330	298	265	232	195	157
82.5°	22	29	36	43	54	54	55	55	55	48	40
85°	7	9	11	13	13	14	14	15	15	15	14
87.5°	3	3	4	4	4	4	5	5	5	5	5
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	388	392	395	399	402	405	407	408	410	411	409
5°	381	370	374	378	381	385	388	391	393	396	398
7.5°	395	407	412	417	422	427	430	433	435	438	439
10°	336	343	358	374	389	404	399	394	389	384	406
12.5°	350	353	362	370	379	387	404	420	437	453	463
15°	315	318	342	365	389	412	405	398	391	384	395
17.5°	394	407	384	360	337	313	341	370	398	426	436
20°	372	386	398	410	422	434	424	415	405	395	387
22.5°	396	373	387	402	416	430	423	417	410	403	419
25°	455	472	450	428	406	384	409	434	458	483	467
27.5°	459	442	462	481	501	520	499	479	458	437	460
30°	540	519	513	507	501	495	506	517	527	538	541
32.5°	611	576	585	595	604	613	605	598	590	582	616
35°	680	656	660	664	668	672	674	675	677	678	722
37.5°	728	703	717	731	745	759	759	758	758	757	807
40°	781	754	774	793	813	832	836	840	844	848	894
42.5°	850	823	840	856	873	889	896	903	909	916	962
45°	916	891	904	917	930	943	949	955	961	967	1020
47.5°	978	956	964	971	979	986	991	995	1000	1004	1057
50°	1039	1017	1019	1021	1022	1024	1026	1029	1031	1033	1095
52.5°	1099	1072	1067	1062	1057	1052	1052	1051	1051	1050	1098
55°	1148	1110	1098	1085	1073	1060	1055	1050	1044	1039	1064
57.5°	1173	1128	1110	1091	1073	1054	1037	1019	1002	984	980
60°	1189	1137	1109	1080	1052	1023	981	939	897	855	833
62.5°	1183	1117	1074	1030	987	943	878	813	747	682	651
65°	1165	1078	1016	953	891	828	750	672	594	516	487
67.5°	1127	1013	926	840	753	666	587	508	429	350	329
70°	*1044*	*901*	*799*	*696*	*594*	*491*	*424*	*356*	*289*	*221*	*211*
72.5°	899	738	634	531	427	323	277	231	185	139	136
75°	667	520	440	359	279	198	171	145	118	91	92
77.5°	362	271	233	195	156	118	105	92	79	66	68
80°	120	82	76	70	64	58	53	48	43	38	40
82.5°	33	25	27	30	32	34	34	34	33	33	33
85°	14	13	12	12	11	10	12	14	16	18	19
87.5°	4	4	4	3	3	2	2	2	2	2	3
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	328	328	328	328	328	328	328	328	328	328	328
2.5°	408	406	404	401	399	396	393	390	387	383	380
5°	400	402	404	405	407	408	409	410	411	411	412
7.5°	439	440	440	434	429	423	417	416	416	415	414
10°	429	451	473	473	472	472	471	471	472	472	472
12.5°	473	483	493	489	486	482	478	461	443	426	408
15°	406	416	427	442	457	472	487	486	486	485	484
17.5°	445	455	464	457	450	442	435	422	409	396	383
20°	380	372	364	396	428	460	492	491	491	490	489
22.5°	435	450	466	454	442	430	418	416	413	411	408
25°	451	434	418	448	479	509	539	544	549	553	558
27.5°	484	507	530	524	518	511	505	509	513	517	521
30°	545	548	551	595	640	684	728	734	739	745	750
32.5°	650	683	717	744	772	799	826	862	899	935	971
35°	767	811	855	907	960	1012	1064	1077	1091	1104	1117
37.5°	857	907	957	1011	1064	1118	1171	1181	1191	1201	1211
40°	940	986	1032	1089	1146	1203	1260	1268	1276	1284	1292
42.5°	1008	1053	1099	1156	1213	1270	1327	1334	1340	1347	1353
45°	1073	1126	1179	1229	1279	1328	1378	1383	1387	1392	1396
47.5°	1111	1164	1217	1264	1311	1357	1404	1404	1404	1404	1404
50°	1157	1218	1280	1304	1327	1351	1374	1369	1364	1358	1353
52.5°	1145	1193	1240	1249	1258	1267	1276	1263	1251	1238	1225
55°	1089	1113	1138	1123	1107	1092	1076	1039	1002	965	928
57.5°	976	972	968	928	889	849	809	785	762	738	714
60°	812	790	768	732	696	660	624	611	597	584	570
62.5°	620	589	558	540	522	504	486	473	459	446	432
65°	459	430	401	386	371	355	340	331	322	312	303
67.5°	309	288	267	258	248	239	229	225	220	216	211
70°	*200*	*190*	*179*	*175*	*172*	*168*	*164*	*160*	*156*	*152*	*148*
72.5°	133	130	127	125	123	121	119	117	114	112	109
75°	92	93	93	92	92	91	90	82	74	66	58
77.5°	69	71	72	67	62	56	51	50	49	48	47
80°	43	45	47	45	44	42	40	38	36	34	32
82.5°	33	33	33	31	29	26	24	23	22	21	20
85°	20	21	22	20	17	15	12	10	8	6	4
87.5°	3	4	4	4	3	3	2	2	2	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560030
CATALOG NUMBER: SDL-PA1-20-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	328	328
2.5°	372	364
5°	413	414
7.5°	389	363
10°	472	472
12.5°	403	397
15°	482	480
17.5°	382	380
20°	488	487
22.5°	408	407
25°	559	559
27.5°	521	520
30°	750	750
32.5°	990	1008
35°	1120	1123
37.5°	1216	1220
40°	1295	1298
42.5°	1354	1354
45°	1396	1396
47.5°	1403	1402
50°	1350	1347
52.5°	1213	1200
55°	921	913
57.5°	712	709
60°	570	570
62.5°	428	424
65°	299	294
67.5°	209	207
70°	*148*	*147*
72.5°	108	107
75°	57	55
77.5°	47	46
80°	33	33
82.5°	20	19
85°	3	2
87.5°	1	1
90°	0	0

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(END OF REPORT)