

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: EPHESUS

Report Number: P1306319 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-5S-CV5-A**

Issue Date: 2/3/2026

Test Information

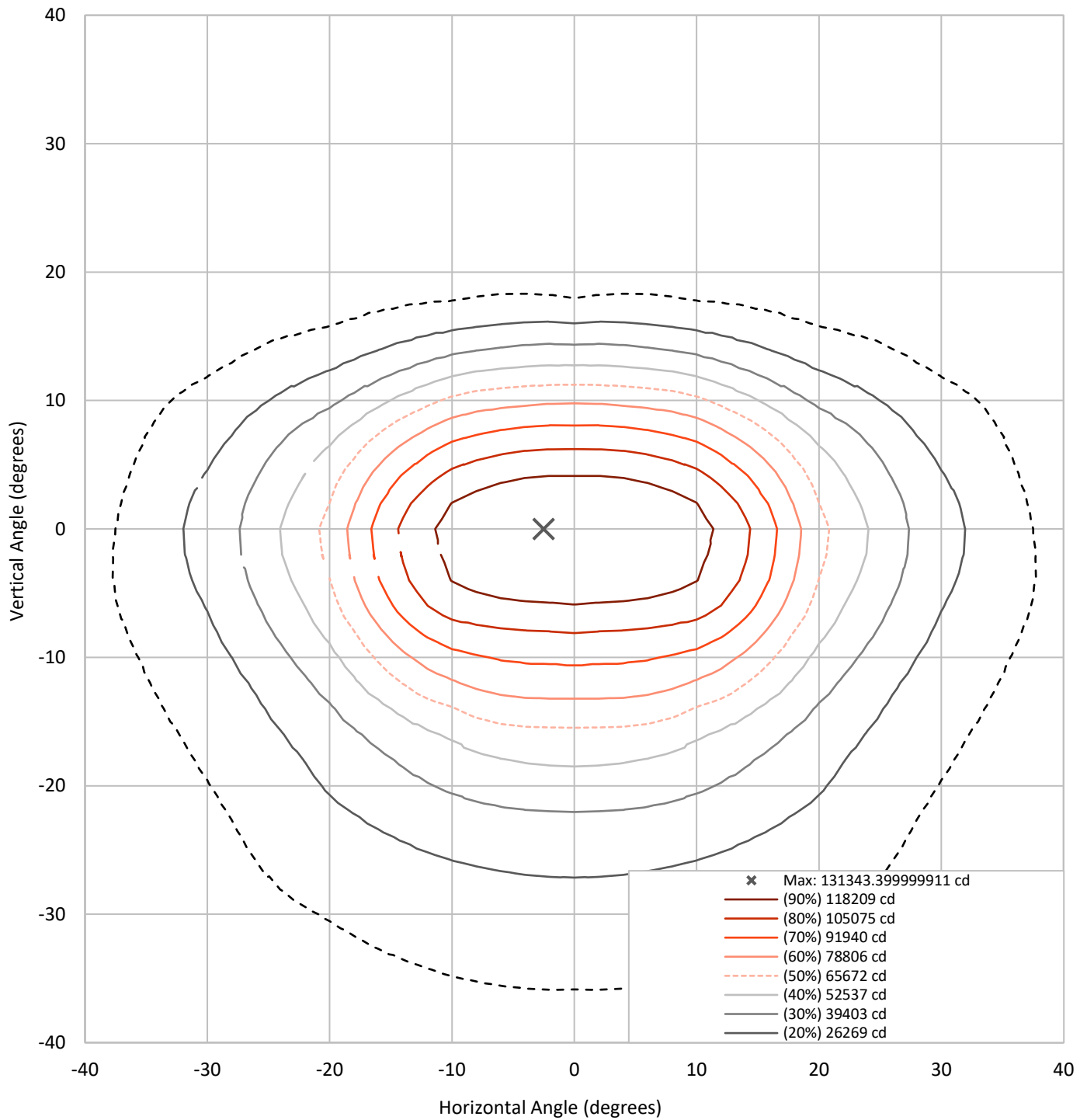
Test Method: LM-79-08
Report Number: P1306319 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680N-40-80-5S-CV5-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	52045.6 lumens	Max Intensity:	131343.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	75.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	25795 lumens	Field Lumens:	46655 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%
Input Watts (W):	688		
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-Candela Plot





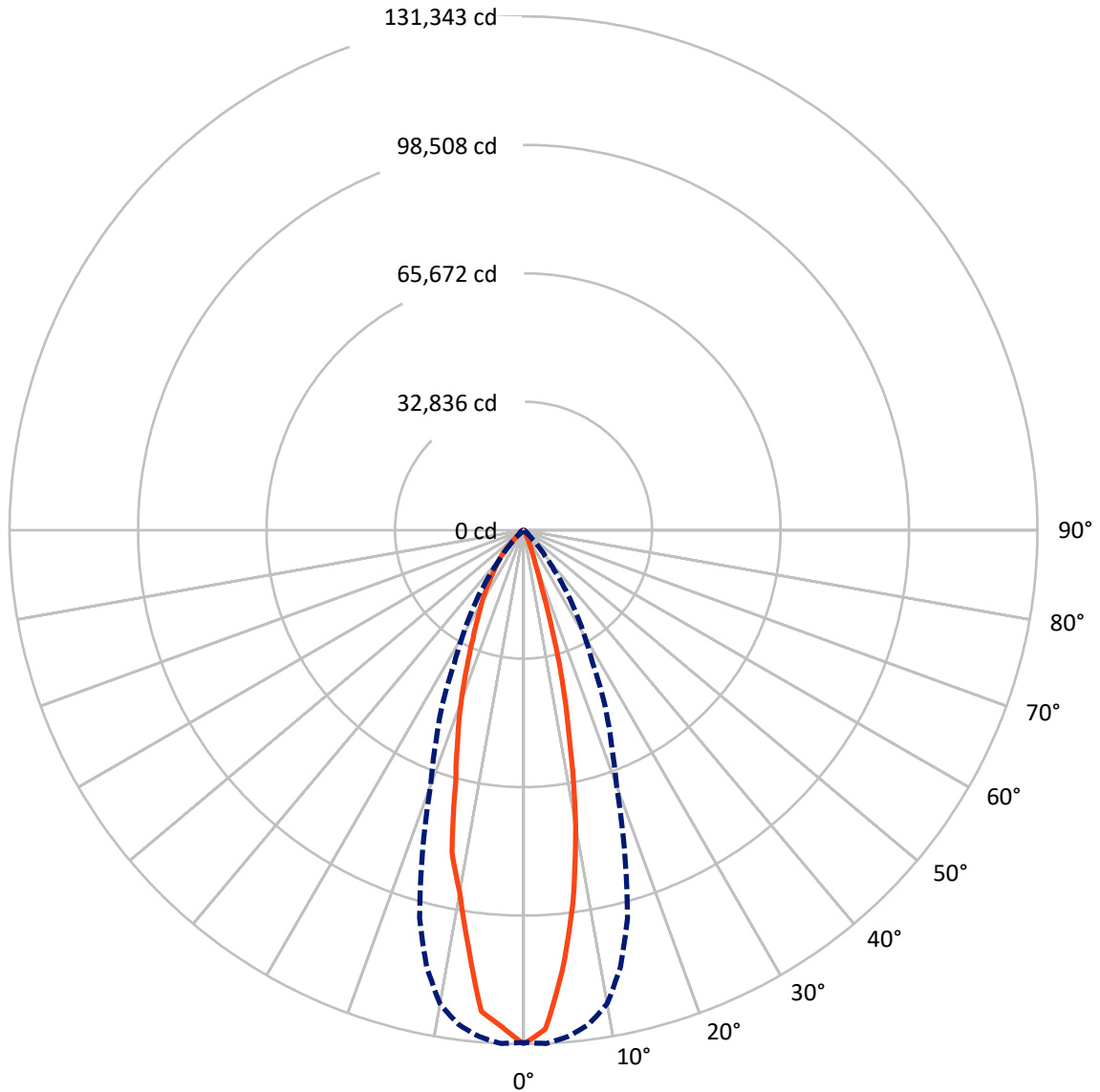
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Lumen Table

90	0.2	0.5	0.9	0.9	0.5	0.9	0.9	0.5	0.2										
80	0.2	0.5	0.9	0.9	0.5	0.9	0.9	0.5	0.2										
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2			
60		0.1	0.3	0.7	0.8	0.3	0.3	0.2	0.2	0.3	0.3	0.8	0.7	0.3	0.1				
50	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.2			
40		0.2	0.5	0.9	1.9	4.3	6.8	9.2	9.2	6.8	4.3	1.9	0.9	0.5	0.2				
30	0.3	0.4	1.4	3.7	16.8	38.4	72.0	102.2	102.2	72.0	38.4	16.8	3.7	1.4	0.4	0.3			
20		0.9	5.1	22.8	132.2	351.3	721.8	1068.6	1068.6	721.8	351.3	132.2	22.8	5.1	0.9				
10	0.3	1.7	11.0	68.5	387.0	1102.4	2369.4	3263.8	3263.8	2369.4	1102.4	387.0	68.5	11.0	1.7	0.3			
0		2.2	13.4	84.8	441.9	1205.9	2648.8	3518.8	3518.8	2648.8	1205.9	441.9	84.8	13.4	2.2				
-10	0.4	2.4	12.1	54.3	281.0	724.6	1468.3	2044.4	2044.4	1468.3	724.6	281.0	54.3	12.1	2.4	0.4			
-20		2.2	10.1	25.3	147.8	413.9	723.6	936.5	936.5	723.6	413.9	147.8	25.3	10.1	2.2				
-30	0.4	1.8	7.5	16.5	49.4	188.5	336.2	428.4	428.4	336.2	188.5	49.4	16.5	7.5	1.8	0.4			
-40		1.1	4.8	12.3	22.3	40.5	88.9	130.6	130.6	88.9	40.5	22.3	12.3	4.8	1.1				
-50	0.3	0.5	2.3	6.5	13.1	20.8	26.7	30.0	30.0	26.7	20.8	13.1	6.5	2.3	0.5	0.3			
-60		0.2	0.8	2.3	4.7	7.7	11.0	12.9	12.9	11.0	7.7	4.7	2.3	0.8	0.2				
-70	0.2	0.8	2.4	6.2	8.3	6.2	2.4	0.8	0.2						0.2				
-80		0.2	0.8	2.4	6.2	8.3	6.2	2.4	0.8	0.2									
-90	0.2	0.8	2.4	6.2	8.3	6.2	2.4	0.8	0.2						0.2				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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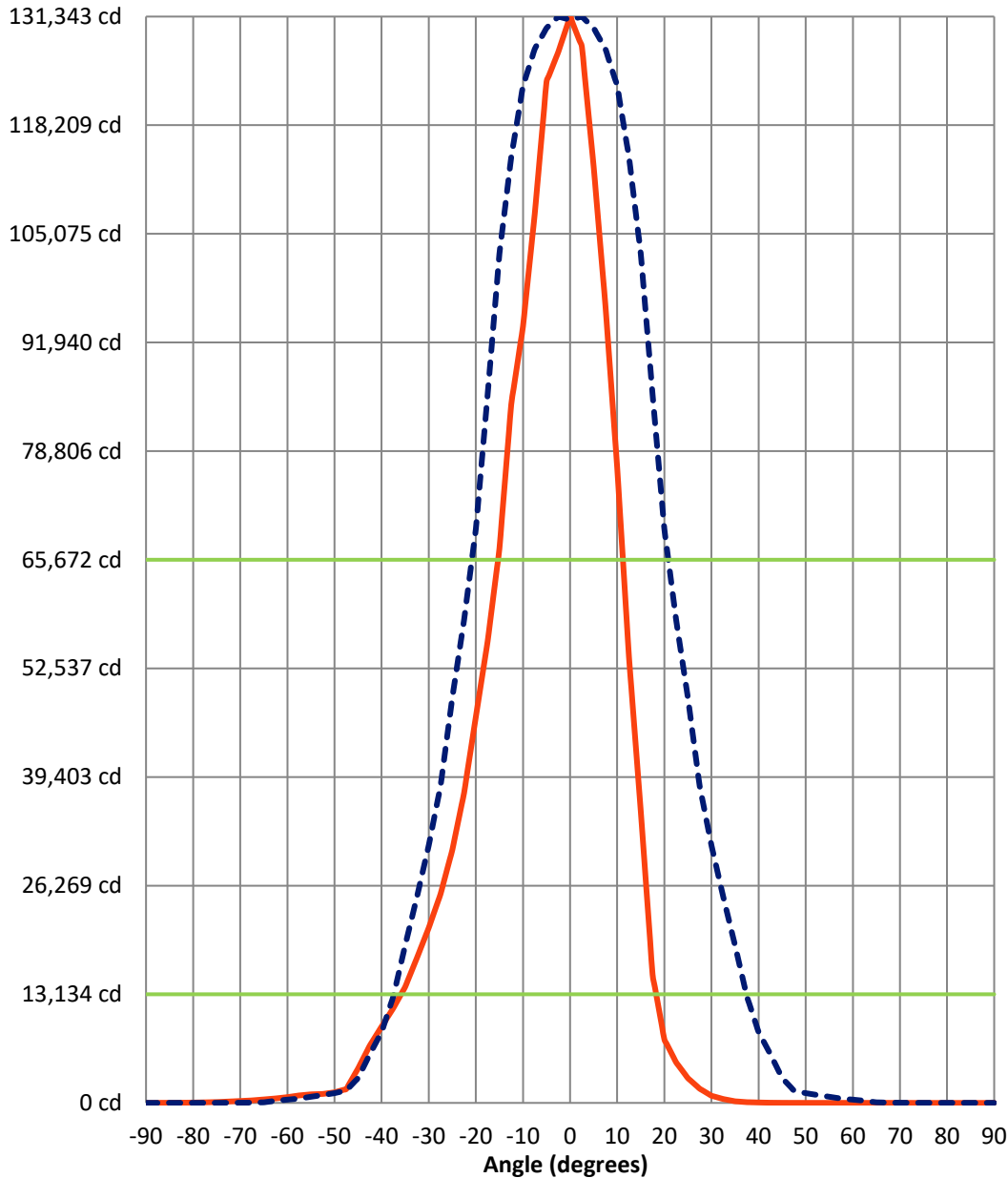
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 25795
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 46655
 Efficiency: 89.6%

Spill:
 Lumens: 5390.6
 Efficiency: 10.4%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through 0-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	9	8	8	8	8
85°	8	8	8	9	9	9	9	9	9	8	8
82.5°	8	8	9	9	9	9	10	9	9	9	9
80°	8	8	9	9	9	10	10	10	9	9	9
77.5°	8	8	9	9	10	10	10	10	10	10	10
75°	8	8	9	10	10	10	10	10	10	10	10
72.5°	8	8	9	10	10	10	10	10	10	10	10
70°	8	8	9	10	10	10	10	10	10	10	10
67.5°	8	8	9	10	10	10	10	10	10	10	10
65°	8	8	10	10	10	10	10	10	10	10	10
62.5°	8	8	10	10	10	10	10	10	10	10	10
60°	8	8	10	10	10	10	10	10	10	10	10
57.5°	8	8	10	10	10	10	10	10	10	10	10
55°	8	8	10	10	10	10	10	10	10	10	10
52.5°	8	8	10	10	10	10	10	10	10	10	10
50°	8	8	10	10	10	10	10	10	10	10	11
47.5°	8	8	10	10	10	10	10	10	10	10	11
45°	8	9	10	10	10	10	10	10	10	11	12
42.5°	8	8	10	10	10	10	10	11	10	11	13
40°	8	8	10	10	10	10	11	11	11	12	13
37.5°	8	8	10	10	10	10	11	11	12	12	14
35°	8	8	10	10	10	10	11	12	12	13	14
32.5°	8	8	10	10	10	10	11	12	13	14	15
30°	8	8	10	10	10	11	12	12	14	15	17
27.5°	8	8	10	10	10	11	12	13	14	16	19
25°	8	8	10	10	10	11	12	14	15	18	21
22.5°	8	8	10	10	10	11	13	14	16	19	24
20°	8	8	10	10	10	11	13	15	17	21	28
17.5°	8	8	10	10	10	12	13	15	18	22	33
15°	8	8	10	10	10	12	14	15	19	24	37
12.5°	8	8	10	10	10	12	14	16	19	26	42
10°	8	8	10	10	10	12	14	16	20	28	48
7.5°	8	8	10	10	10	12	14	16	20	31	54
5°	8	8	10	10	10	12	14	16	21	33	60
2.5°	8	8	10	10	10	12	14	16	21	36	66
0°	8	8	10	10	10	12	14	16	22	38	72
-2.5°	8	8	10	10	10	12	14	18	27	48	88
-5°	8	8	10	10	10	12	14	20	32	57	102
-7.5°	8	8	10	10	11	13	15	21	37	65	116
-10°	8	8	10	10	11	13	15	23	41	73	128
-12.5°	8	8	10	10	11	13	15	24	44	79	137
-15°	8	8	10	10	11	13	15	24	47	85	143
-17.5°	8	8	10	10	11	13	15	25	50	88	148
-20°	8	8	10	10	11	13	16	27	51	91	150



REPORT NUMBER: P1306319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV5-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8	8	10	10	11	13	17	28	52	91	149
-25°	8	8	10	10	11	13	17	28	51	90	146
-27.5°	8	8	10	10	11	13	17	28	49	88	145
-30°	8	8	10	10	11	13	17	28	48	86	140
-32.5°	8	8	10	10	11	13	17	27	47	82	134
-35°	8	8	10	10	11	13	16	27	46	76	124
-37.5°	8	8	10	10	11	12	16	26	43	69	111
-40°	8	8	10	10	10	12	16	24	40	65	99
-42.5°	8	8	10	10	10	12	15	21	37	59	86
-45°	8	9	10	10	10	12	14	19	34	52	73
-47.5°	8	8	10	10	10	12	13	18	29	45	65
-50°	8	8	10	10	11	11	13	17	24	38	56
-52.5°	8	8	10	10	11	11	13	15	21	32	46
-55°	8	8	10	10	11	11	12	14	18	24	38
-57.5°	8	8	10	10	11	11	12	13	16	21	29
-60°	8	8	10	10	11	11	12	13	14	18	22
-62.5°	8	8	10	10	11	11	12	12	14	16	19
-65°	8	8	10	10	11	11	12	12	13	14	16
-67.5°	8	8	9	10	10	11	12	12	13	14	15
-70°	8	8	9	10	10	11	12	12	13	13	14
-72.5°	8	8	9	10	10	11	11	12	12	13	14
-75°	8	8	9	10	10	10	11	12	12	12	13
-77.5°	8	8	9	9	10	10	11	11	11	12	12
-80°	8	8	9	9	9	10	10	10	11	11	11
-82.5°	8	8	9	9	9	9	10	10	10	10	11
-85°	8	8	8	9	9	9	9	9	9	10	10
-87.5°	8	8	8	8	8	8	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P1306319 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	8	8
82.5°	9	9	8	8	8	8	8	8	8	8	8
80°	9	9	9	9	9	9	9	10	9	9	9
77.5°	10	10	10	10	10	10	10	10	10	9	9
75°	10	10	10	10	10	10	10	10	10	10	10
72.5°	10	10	10	10	10	10	11	12	12	12	12
70°	10	10	10	10	10	11	12	13	13	14	15
67.5°	10	10	10	10	11	12	13	15	17	18	20
65°	10	10	10	11	12	13	15	18	23	26	27
62.5°	10	10	11	12	13	15	19	24	32	36	36
60°	10	10	11	13	14	17	23	30	40	48	43
57.5°	10	11	12	14	16	19	26	36	46	57	48
55°	10	11	13	16	18	20	27	36	47	53	45
52.5°	11	12	15	17	19	21	24	32	38	43	38
50°	12	14	16	18	20	20	19	25	30	32	31
47.5°	13	15	17	19	19	19	17	20	23	25	24
45°	14	16	18	18	19	18	17	16	20	21	20
42.5°	15	16	18	18	19	19	19	18	19	19	19
40°	15	17	18	20	20	22	23	23	19	21	22
37.5°	16	18	20	24	23	26	28	31	28	27	30
35°	16	18	25	30	30	32	39	42	40	38	42
32.5°	17	19	32	37	40	43	53	55	56	57	61
30°	18	26	40	45	52	62	68	69	76	86	113
27.5°	22	34	48	56	66	84	91	92	104	129	193
25°	27	54	56	68	86	108	123	136	141	218	370
22.5°	38	80	89	81	108	137	167	205	264	352	579
20°	57	108	130	136	143	169	218	296	478	793	1094
17.5°	78	141	176	205	237	248	280	404	749	1422	2210
15°	102	176	226	282	342	388	456	649	1206	2291	3643
12.5°	128	215	278	366	455	537	664	1078	2014	3519	5570
10°	154	255	332	454	573	692	879	1568	2970	4828	7326
7.5°	183	294	386	545	694	850	1098	2095	3959	6037	8847
5°	210	331	434	617	793	988	1297	2630	4941	7139	10226
2.5°	236	365	480	683	875	1088	1406	2851	5506	7953	11585
0°	259	396	524	743	950	1181	1502	3010	5895	8577	12910
-2.5°	269	409	546	762	947	1167	1503	3063	6229	9318	13580
-5°	275	417	563	773	940	1145	1488	3040	6283	9490	13316
-7.5°	277	422	575	776	921	1101	1422	2818	5688	8704	12075
-10°	277	421	570	752	885	1043	1333	2525	4998	7817	10757
-12.5°	272	414	559	725	851	981	1230	2165	4242	6855	9495
-15°	265	404	544	697	820	918	1115	1740	3455	5993	8482
-17.5°	256	392	526	670	792	855	992	1314	2750	5069	7462
-20°	246	378	504	643	766	813	927	1185	2175	4040	6355



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	235	362	481	615	729	791	870	1048	1551	2913	5159
-25°	228	345	459	578	693	771	811	917	1172	2198	3897
-27.5°	223	327	429	538	656	745	778	851	1030	1456	2711
-30°	215	301	397	498	612	704	757	800	908	1142	1859
-32.5°	199	273	364	459	562	665	742	783	853	974	1215
-35°	180	250	331	419	512	617	707	775	808	892	1046
-37.5°	163	225	296	379	465	563	668	744	799	838	948
-40°	144	199	265	339	419	508	605	700	774	837	886
-42.5°	123	176	235	298	374	454	540	635	729	815	881
-45°	108	151	204	263	327	400	479	562	660	758	844
-47.5°	92	127	175	225	283	347	416	494	577	672	773
-50°	76	108	143	190	239	295	356	424	499	578	666
-52.5°	65	88	118	154	198	245	299	357	422	489	560
-55°	53	73	95	124	158	199	244	295	347	407	461
-57.5°	43	58	76	97	124	154	194	235	281	328	368
-60°	32	45	60	76	94	120	146	180	218	254	288
-62.5°	23	34	46	59	73	88	110	134	158	188	216
-65°	20	24	33	44	55	69	82	95	115	135	153
-67.5°	16	20	24	29	39	50	62	74	86	96	107
-70°	15	16	18	22	26	33	44	54	64	73	82
-72.5°	14	15	15	16	19	24	30	35	42	50	58
-75°	13	14	14	15	16	18	20	25	29	33	37
-77.5°	13	13	13	14	14	16	17	19	21	23	26
-80°	12	12	12	13	13	14	14	15	16	18	20
-82.5°	11	11	11	11	12	12	12	12	13	14	15
-85°	10	10	10	10	10	11	11	11	11	11	11
-87.5°	9	9	9	9	9	9	9	9	9	10	10
-90°	8	8	8	8	8	8	8	8	8	8	8



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8	9	9	10	10	11	13	14	16	15	15
87.5°	8	8	7	7	6	6	5	5	4	4	3
85°	8	8	8	8	8	7	7	6	6	5	4
82.5°	8	8	8	8	8	8	7	7	6	5	4
80°	8	8	8	8	8	8	7	7	6	5	4
77.5°	8	8	8	8	8	8	7	7	6	5	4
75°	10	10	9	9	8	8	7	7	6	6	5
72.5°	12	11	11	10	10	9	9	8	8	7	7
70°	15	16	15	15	13	12	11	11	10	9	8
67.5°	21	21	20	18	16	14	13	11	10	10	10
65°	27	25	22	20	17	14	13	12	11	10	10
62.5°	33	27	22	18	16	14	12	11	10	9	8
60°	36	25	18	16	14	12	11	10	9	8	7
57.5°	36	24	15	13	12	10	10	9	9	8	7
55°	32	21	13	11	11	10	10	9	9	8	7
52.5°	26	19	14	12	11	11	10	9	9	8	8
50°	23	17	14	12	11	11	10	10	10	9	9
47.5°	20	16	14	12	12	13	13	13	13	13	12
45°	17	15	14	15	15	17	17	17	17	17	17
42.5°	17	17	19	21	20	23	24	21	24	26	25
40°	23	23	29	33	38	38	45	46	46	49	50
37.5°	34	39	56	69	75	75	84	86	84	95	98
35°	51	78	106	121	130	137	150	165	158	183	192
32.5°	92	141	191	189	206	251	268	295	323	366	413
30°	155	287	345	323	371	436	437	511	615	703	836
27.5°	350	497	572	606	643	725	826	921	1185	1366	1556
25°	593	797	878	1004	1118	1194	1501	1725	2105	2381	2666
22.5°	957	1225	1394	1508	1893	2236	2564	3052	3429	3902	4258
20°	1412	1775	2392	2877	3119	3847	4440	4945	5614	6200	6722
17.5°	2664	2868	4159	5421	5932	6873	8579	9222	11148	12558	13320
15°	4824	5810	7169	9274	11610	13455	15071	18382	22057	25314	28744
12.5°	7628	9556	11843	14419	18627	21966	25543	30274	36210	41377	47455
10°	10438	13694	16856	20870	26185	31341	36493	43986	52706	61078	68317
7.5°	12761	17175	21460	27009	34249	41433	48633	58543	70076	79632	87846
5°	15125	20653	25680	32079	40600	49349	58360	70717	84340	95160	103635
2.5°	17296	23560	29379	36514	46003	54563	64820	79990	96222	107895	117238
0°	19049	24920	31137	38317	48972	58408	69400	85667	102652	114315	122937
-2.5°	18672	24610	30422	37718	48415	57102	68230	84235	101016	112865	120609
-5°	17493	22750	27968	34820	44226	52691	63589	80041	96138	108221	117131
-7.5°	15751	20214	24947	31190	39378	47476	56954	70066	85090	96019	102478
-10°	13917	17612	22045	27321	34078	41351	49223	59727	72564	82149	88276
-12.5°	12309	15511	19465	23367	28881	35358	42348	50943	59414	69521	74818
-15°	10828	13497	16895	20636	25218	30309	35317	41753	47269	53582	58169
-17.5°	9589	11720	14731	18357	21807	26191	30970	35330	39993	44551	48354
-20°	8469	10228	12795	15987	19386	23114	27332	30880	34691	38154	41129



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7197	8980	10968	13699	17103	20445	23568	26250	29130	31928	34041
-25°	5872	7583	9487	12065	14853	17665	19877	21765	24013	26030	27843
-27.5°	4503	6327	8380	10533	12959	14746	16607	18315	20023	21380	22911
-30°	3130	5121	7140	9178	10840	12266	13654	15220	16766	18055	19136
-32.5°	2150	3586	5623	7518	8938	10151	11223	12558	13756	14817	15763
-35°	1291	2303	3702	5503	7057	8236	9328	10341	11235	12129	12840
-37.5°	1106	1330	2179	3376	4855	6282	7405	8352	9185	9874	10477
-40°	996	1129	1314	1723	2812	3902	5126	6207	7085	7732	8257
-42.5°	931	1016	1107	1252	1414	1932	2869	3764	4536	5252	5867
-45°	920	956	1005	1087	1161	1296	1442	1585	2193	2768	3241
-47.5°	851	924	969	1006	1045	1108	1170	1237	1347	1451	1540
-50°	750	829	897	963	998	1024	1049	1082	1125	1165	1201
-52.5°	627	703	779	850	905	955	1001	1022	1039	1053	1065
-55°	518	578	637	702	766	826	879	913	944	972	995
-57.5°	414	461	510	562	613	662	709	751	789	822	849
-60°	321	352	393	435	474	512	550	584	615	642	664
-62.5°	241	267	298	327	353	381	416	446	470	490	507
-65°	173	195	220	244	268	292	317	341	363	382	394
-67.5°	123	138	156	171	189	210	232	253	271	284	292
-70°	91	100	112	127	142	156	170	184	198	208	216
-72.5°	66	75	84	94	104	114	125	135	146	152	157
-75°	40	45	53	61	69	76	83	89	95	98	100
-77.5°	29	32	36	41	45	49	53	57	62	63	65
-80°	22	24	26	29	31	34	36	39	41	42	42
-82.5°	16	17	19	20	22	23	24	26	27	27	28
-85°	11	12	13	14	15	16	17	18	19	20	20
-87.5°	10	10	11	11	12	12	13	13	14	14	14
-90°	8	8	7	7	6	6	5	5	4	4	3



REPORT NUMBER: P1306319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV5-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14	14	14	14	14	14	14	15	15	16	14
87.5°	3	2	1	0	1	2	3	3	4	4	5
85°	3	2	2	2	2	2	3	4	5	6	6
82.5°	3	2	2	2	2	2	3	4	5	6	7
80°	3	2	2	2	2	2	3	4	5	6	7
77.5°	3	2	2	2	2	2	3	4	5	6	7
75°	4	4	3	2	3	4	4	5	6	6	7
72.5°	6	6	6	6	6	6	6	7	7	8	8
70°	7	6	6	6	6	6	7	8	9	10	11
67.5°	10	10	9	8	9	10	10	10	10	10	11
65°	10	10	10	10	10	10	10	10	10	11	12
62.5°	8	8	8	8	8	8	8	8	9	10	11
60°	7	6	6	6	6	6	7	7	8	9	10
57.5°	7	6	6	6	6	6	7	7	8	9	9
55°	7	6	6	6	6	6	7	7	8	9	9
52.5°	7	6	7	8	7	6	7	8	8	9	9
50°	9	8	8	8	8	8	9	9	9	10	10
47.5°	11	11	10	10	10	11	11	12	13	13	13
45°	16	15	14	14	14	15	16	17	17	17	17
42.5°	24	24	24	24	24	24	24	25	26	24	21
40°	53	53	53	54	53	53	53	50	49	46	46
37.5°	99	96	91	92	91	96	99	98	95	84	86
35°	193	198	198	199	198	198	193	192	183	158	165
32.5°	446	470	471	480	471	470	446	413	366	323	295
30°	877	896	867	881	867	896	877	836	703	615	511
27.5°	1654	1724	1723	1694	1723	1724	1654	1556	1366	1185	921
25°	2906	3014	2994	2959	2994	3014	2906	2666	2381	2105	1725
22.5°	4582	4760	4902	4810	4902	4760	4582	4258	3902	3429	3052
20°	7489	7540	7691	7637	7691	7540	7489	6722	6200	5614	4945
17.5°	15383	15935	15551	14383	15551	15935	15383	13320	12558	11148	9222
15°	31153	33466	35263	34277	35263	33466	31153	28744	25314	22057	18382
12.5°	51018	52724	53866	53950	53866	52724	51018	47455	41377	36210	30274
10°	73226	74734	76755	77039	76755	74734	73226	68317	61078	52706	43986
7.5°	91923	94981	96397	96207	96397	94981	91923	87846	79632	70076	58543
5°	108644	111813	113200	113431	113200	111813	108644	103635	95160	84340	70717
2.5°	122835	126034	127701	127244	127701	126034	122835	117238	107895	96222	79990
0°	127426	129946	131343	130960	131343	129946	127426	122937	114315	102652	85667
-2.5°	124508	126026	127079	126672	127079	126026	124508	120609	112865	101016	84235
-5°	121273	123075	123469	123951	123469	123075	121273	117131	108221	96138	80041
-7.5°	104934	106861	107498	108462	107498	106861	104934	102478	96019	85090	70066
-10°	91610	93771	93875	94470	93875	93771	91610	88276	82149	72564	59727
-12.5°	80449	83423	84409	84173	84409	83423	80449	74818	69521	59414	50943
-15°	64276	66817	66998	67117	66998	66817	64276	58169	53582	47269	41753
-17.5°	52391	54859	55811	56107	55811	54859	52391	48354	44551	39993	35330
-20°	43683	45521	46684	47165	46684	45521	43683	41129	38154	34691	30880



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	35887	37053	37477	37584	37477	37053	35887	34041	31928	29130	26250
-25°	29116	30041	30579	30804	30579	30041	29116	27843	26030	24013	21765
-27.5°	23904	24727	25245	25325	25245	24727	23904	22911	21380	20023	18315
-30°	19963	20687	21171	21302	21171	20687	19963	19136	18055	16766	15220
-32.5°	16542	17161	17540	17704	17540	17161	16542	15763	14817	13756	12558
-35°	13371	13787	14030	13951	14030	13787	13371	12840	12129	11235	10341
-37.5°	10961	11296	11478	11488	11478	11296	10961	10477	9874	9185	8352
-40°	8692	9032	9237	9249	9237	9032	8692	8257	7732	7085	6207
-42.5°	6356	6704	6942	7097	6942	6704	6356	5867	5252	4536	3764
-45°	3635	3936	4165	4331	4165	3936	3635	3241	2768	2193	1585
-47.5°	1606	1655	1676	1670	1676	1655	1606	1540	1451	1347	1237
-50°	1234	1263	1277	1277	1277	1263	1234	1201	1165	1125	1082
-52.5°	1074	1081	1086	1088	1086	1081	1074	1065	1053	1039	1022
-55°	1015	1030	1036	1034	1036	1030	1015	995	972	944	913
-57.5°	873	892	904	910	904	892	873	849	822	789	751
-60°	680	691	698	701	698	691	680	664	642	615	584
-62.5°	522	535	541	544	541	535	522	507	490	470	446
-65°	406	415	420	422	420	415	406	394	382	363	341
-67.5°	298	302	304	305	304	302	298	292	284	271	253
-70°	222	229	232	235	232	229	222	216	208	198	184
-72.5°	161	164	166	167	166	164	161	157	152	146	135
-75°	102	103	103	104	103	103	102	100	98	95	89
-77.5°	66	67	69	70	69	67	66	65	63	62	57
-80°	42	42	42	42	42	42	42	42	42	41	39
-82.5°	28	28	28	28	28	28	28	28	27	27	26
-85°	20	20	20	20	20	20	20	20	20	19	18
-87.5°	14	14	14	14	14	14	14	14	14	14	13
-90°	2	2	1	0	1	2	3	3	4	4	5



REPORT NUMBER: P1306319 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13	11	10	10	9	9	8	8	8	8	8
87.5°	5	6	6	7	7	8	8	8	8	8	8
85°	7	7	8	8	8	8	8	8	8	8	8
82.5°	7	8	8	8	8	8	8	8	8	8	8
80°	7	8	8	8	8	8	8	9	9	9	10
77.5°	7	8	8	8	8	8	8	9	9	10	10
75°	7	8	8	9	9	10	10	10	10	10	10
72.5°	9	9	10	10	11	11	12	12	12	12	12
70°	11	12	13	15	15	16	15	15	14	13	13
67.5°	13	14	16	18	20	21	21	20	18	17	15
65°	13	14	17	20	22	25	27	27	26	23	18
62.5°	12	14	16	18	22	27	33	36	36	32	24
60°	11	12	14	16	18	25	36	43	48	40	30
57.5°	10	10	12	13	15	24	36	48	57	46	36
55°	10	10	11	11	13	21	32	45	53	47	36
52.5°	10	11	11	12	14	19	26	38	43	38	32
50°	10	11	11	12	14	17	23	31	32	30	25
47.5°	13	13	12	12	14	16	20	24	25	23	20
45°	17	17	15	15	14	15	17	20	21	20	16
42.5°	24	23	20	21	19	17	17	19	19	19	18
40°	45	38	38	33	29	23	23	22	21	19	23
37.5°	84	75	75	69	56	39	34	30	27	28	31
35°	150	137	130	121	106	78	51	42	38	40	42
32.5°	268	251	206	189	191	141	92	61	57	56	55
30°	437	436	371	323	345	287	155	113	86	76	69
27.5°	826	725	643	606	572	497	350	193	129	104	92
25°	1501	1194	1118	1004	878	797	593	370	218	141	136
22.5°	2564	2236	1893	1508	1394	1225	957	579	352	264	205
20°	4440	3847	3119	2877	2392	1775	1412	1094	793	478	296
17.5°	8579	6873	5932	5421	4159	2868	2664	2210	1422	749	404
15°	15071	13455	11610	9274	7169	5810	4824	3643	2291	1206	649
12.5°	25543	21966	18627	14419	11843	9556	7628	5570	3519	2014	1078
10°	36493	31341	26185	20870	16856	13694	10438	7326	4828	2970	1568
7.5°	48633	41433	34249	27009	21460	17175	12761	8847	6037	3959	2095
5°	58360	49349	40600	32079	25680	20653	15125	10226	7139	4941	2630
2.5°	64820	54563	46003	36514	29379	23560	17296	11585	7953	5506	2851
0°	69400	58408	48972	38317	31137	24920	19049	12910	8577	5895	3010
-2.5°	68230	57102	48415	37718	30422	24610	18672	13580	9318	6229	3063
-5°	63589	52691	44226	34820	27968	22750	17493	13316	9490	6283	3040
-7.5°	56954	47476	39378	31190	24947	20214	15751	12075	8704	5688	2818
-10°	49223	41351	34078	27321	22045	17612	13917	10757	7817	4998	2525
-12.5°	42348	35358	28881	23367	19465	15511	12309	9495	6855	4242	2165
-15°	35317	30309	25218	20636	16895	13497	10828	8482	5993	3455	1740
-17.5°	30970	26191	21807	18357	14731	11720	9589	7462	5069	2750	1314
-20°	27332	23114	19386	15987	12795	10228	8469	6355	4040	2175	1185



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23568	20445	17103	13699	10968	8980	7197	5159	2913	1551	1048
-25°	19877	17665	14853	12065	9487	7583	5872	3897	2198	1172	917
-27.5°	16607	14746	12959	10533	8380	6327	4503	2711	1456	1030	851
-30°	13654	12266	10840	9178	7140	5121	3130	1859	1142	908	800
-32.5°	11223	10151	8938	7518	5623	3586	2150	1215	974	853	783
-35°	9328	8236	7057	5503	3702	2303	1291	1046	892	808	775
-37.5°	7405	6282	4855	3376	2179	1330	1106	948	838	799	744
-40°	5126	3902	2812	1723	1314	1129	996	886	837	774	700
-42.5°	2869	1932	1414	1252	1107	1016	931	881	815	729	635
-45°	1442	1296	1161	1087	1005	956	920	844	758	660	562
-47.5°	1170	1108	1045	1006	969	924	851	773	672	577	494
-50°	1049	1024	998	963	897	829	750	666	578	499	424
-52.5°	1001	955	905	850	779	703	627	560	489	422	357
-55°	879	826	766	702	637	578	518	461	407	347	295
-57.5°	709	662	613	562	510	461	414	368	328	281	235
-60°	550	512	474	435	393	352	321	288	254	218	180
-62.5°	416	381	353	327	298	267	241	216	188	158	134
-65°	317	292	268	244	220	195	173	153	135	115	95
-67.5°	232	210	189	171	156	138	123	107	96	86	74
-70°	170	156	142	127	112	100	91	82	73	64	54
-72.5°	125	114	104	94	84	75	66	58	50	42	35
-75°	83	76	69	61	53	45	40	37	33	29	25
-77.5°	53	49	45	41	36	32	29	26	23	21	19
-80°	36	34	31	29	26	24	22	20	18	16	15
-82.5°	24	23	22	20	19	17	16	15	14	13	12
-85°	17	16	15	14	13	12	11	11	11	11	11
-87.5°	13	12	12	11	11	10	10	10	10	9	9
-90°	5	6	6	7	7	8	8	8	8	8	8



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	9	9
82.5°	8	8	8	8	8	9	9	9	9	9	9
80°	9	9	9	9	9	9	9	9	9	9	10
77.5°	10	10	10	10	10	10	10	10	10	10	10
75°	10	10	10	10	10	10	10	10	10	10	10
72.5°	11	10	10	10	10	10	10	10	10	10	10
70°	12	11	10	10	10	10	10	10	10	10	10
67.5°	13	12	11	10	10	10	10	10	10	10	10
65°	15	13	12	11	10	10	10	10	10	10	10
62.5°	19	15	13	12	11	10	10	10	10	10	10
60°	23	17	14	13	11	10	10	10	10	10	10
57.5°	26	19	16	14	12	11	10	10	10	10	10
55°	27	20	18	16	13	11	10	10	10	10	10
52.5°	24	21	19	17	15	12	11	10	10	10	10
50°	19	20	20	18	16	14	12	11	10	10	10
47.5°	17	19	19	19	17	15	13	11	10	10	10
45°	17	18	19	18	18	16	14	12	11	10	10
42.5°	19	19	19	18	18	16	15	13	11	10	11
40°	23	22	20	20	18	17	15	13	12	11	11
37.5°	28	26	23	24	20	18	16	14	12	12	11
35°	39	32	30	30	25	18	16	14	13	12	12
32.5°	53	43	40	37	32	19	17	15	14	13	12
30°	68	62	52	45	40	26	18	17	15	14	12
27.5°	91	84	66	56	48	34	22	19	16	14	13
25°	123	108	86	68	56	54	27	21	18	15	14
22.5°	167	137	108	81	89	80	38	24	19	16	14
20°	218	169	143	136	130	108	57	28	21	17	15
17.5°	280	248	237	205	176	141	78	33	22	18	15
15°	456	388	342	282	226	176	102	37	24	19	15
12.5°	664	537	455	366	278	215	128	42	26	19	16
10°	879	692	573	454	332	255	154	48	28	20	16
7.5°	1098	850	694	545	386	294	183	54	31	20	16
5°	1297	988	793	617	434	331	210	60	33	21	16
2.5°	1406	1088	875	683	480	365	236	66	36	21	16
0°	1502	1181	950	743	524	396	259	72	38	22	16
-2.5°	1503	1167	947	762	546	409	269	88	48	27	18
-5°	1488	1145	940	773	563	417	275	102	57	32	20
-7.5°	1422	1101	921	776	575	422	277	116	65	37	21
-10°	1333	1043	885	752	570	421	277	128	73	41	23
-12.5°	1230	981	851	725	559	414	272	137	79	44	24
-15°	1115	918	820	697	544	404	265	143	85	47	24
-17.5°	992	855	792	670	526	392	256	148	88	50	25
-20°	927	813	766	643	504	378	246	150	91	51	27



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	870	791	729	615	481	362	235	149	91	52	28
-25°	811	771	693	578	459	345	228	146	90	51	28
-27.5°	778	745	656	538	429	327	223	145	88	49	28
-30°	757	704	612	498	397	301	215	140	86	48	28
-32.5°	742	665	562	459	364	273	199	134	82	47	27
-35°	707	617	512	419	331	250	180	124	76	46	27
-37.5°	668	563	465	379	296	225	163	111	69	43	26
-40°	605	508	419	339	265	199	144	99	65	40	24
-42.5°	540	454	374	298	235	176	123	86	59	37	21
-45°	479	400	327	263	204	151	108	73	52	34	19
-47.5°	416	347	283	225	175	127	92	65	45	29	18
-50°	356	295	239	190	143	108	76	56	38	24	17
-52.5°	299	245	198	154	118	88	65	46	32	21	15
-55°	244	199	158	124	95	73	53	38	24	18	14
-57.5°	194	154	124	97	76	58	43	29	21	16	13
-60°	146	120	94	76	60	45	32	22	18	14	13
-62.5°	110	88	73	59	46	34	23	19	16	14	12
-65°	82	69	55	44	33	24	20	16	14	13	12
-67.5°	62	50	39	29	24	20	16	15	14	13	12
-70°	44	33	26	22	18	16	15	14	13	13	12
-72.5°	30	24	19	16	15	15	14	14	13	12	12
-75°	20	18	16	15	14	14	13	13	12	12	12
-77.5°	17	16	14	14	13	13	13	12	12	11	11
-80°	14	14	13	13	12	12	12	11	11	11	10
-82.5°	12	12	12	11	11	11	11	11	10	10	10
-85°	11	11	10	10	10	10	10	10	10	9	9
-87.5°	9	9	9	9	9	9	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8	8	8	8	8	8	8
87.5°	9	8	8	8	8	8	8
85°	9	9	9	9	8	8	8
82.5°	10	9	9	9	9	8	8
80°	10	10	9	9	9	8	8
77.5°	10	10	10	9	9	8	8
75°	10	10	10	10	9	8	8
72.5°	10	10	10	10	9	8	8
70°	10	10	10	10	9	8	8
67.5°	10	10	10	10	9	8	8
65°	10	10	10	10	10	8	8
62.5°	10	10	10	10	10	8	8
60°	10	10	10	10	10	8	8
57.5°	10	10	10	10	10	8	8
55°	10	10	10	10	10	8	8
52.5°	10	10	10	10	10	8	8
50°	10	10	10	10	10	8	8
47.5°	10	10	10	10	10	8	8
45°	10	10	10	10	10	9	8
42.5°	10	10	10	10	10	8	8
40°	11	10	10	10	10	8	8
37.5°	11	10	10	10	10	8	8
35°	11	10	10	10	10	8	8
32.5°	11	10	10	10	10	8	8
30°	12	11	10	10	10	8	8
27.5°	12	11	10	10	10	8	8
25°	12	11	10	10	10	8	8
22.5°	13	11	10	10	10	8	8
20°	13	11	10	10	10	8	8
17.5°	13	12	10	10	10	8	8
15°	14	12	10	10	10	8	8
12.5°	14	12	10	10	10	8	8
10°	14	12	10	10	10	8	8
7.5°	14	12	10	10	10	8	8
5°	14	12	10	10	10	8	8
2.5°	14	12	10	10	10	8	8
0°	14	12	10	10	10	8	8
-2.5°	14	12	10	10	10	8	8
-5°	14	12	10	10	10	8	8
-7.5°	15	13	11	10	10	8	8
-10°	15	13	11	10	10	8	8
-12.5°	15	13	11	10	10	8	8
-15°	15	13	11	10	10	8	8
-17.5°	15	13	11	10	10	8	8
-20°	16	13	11	10	10	8	8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17	13	11	10	10	8	8
-25°	17	13	11	10	10	8	8
-27.5°	17	13	11	10	10	8	8
-30°	17	13	11	10	10	8	8
-32.5°	17	13	11	10	10	8	8
-35°	16	13	11	10	10	8	8
-37.5°	16	12	11	10	10	8	8
-40°	16	12	10	10	10	8	8
-42.5°	15	12	10	10	10	8	8
-45°	14	12	10	10	10	9	8
-47.5°	13	12	10	10	10	8	8
-50°	13	11	11	10	10	8	8
-52.5°	13	11	11	10	10	8	8
-55°	12	11	11	10	10	8	8
-57.5°	12	11	11	10	10	8	8
-60°	12	11	11	10	10	8	8
-62.5°	12	11	11	10	10	8	8
-65°	12	11	11	10	10	8	8
-67.5°	12	11	10	10	9	8	8
-70°	12	11	10	10	9	8	8
-72.5°	11	11	10	10	9	8	8
-75°	11	10	10	10	9	8	8
-77.5°	11	10	10	9	9	8	8
-80°	10	10	9	9	9	8	8
-82.5°	10	9	9	9	9	8	8
-85°	9	9	9	9	8	8	8
-87.5°	9	8	8	8	8	8	8
-90°	8	8	8	8	8	8	8

(END OF REPORT)