

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: P1305770 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-3S-CV2-A**

Issue Date: 2/3/2026

Test Information

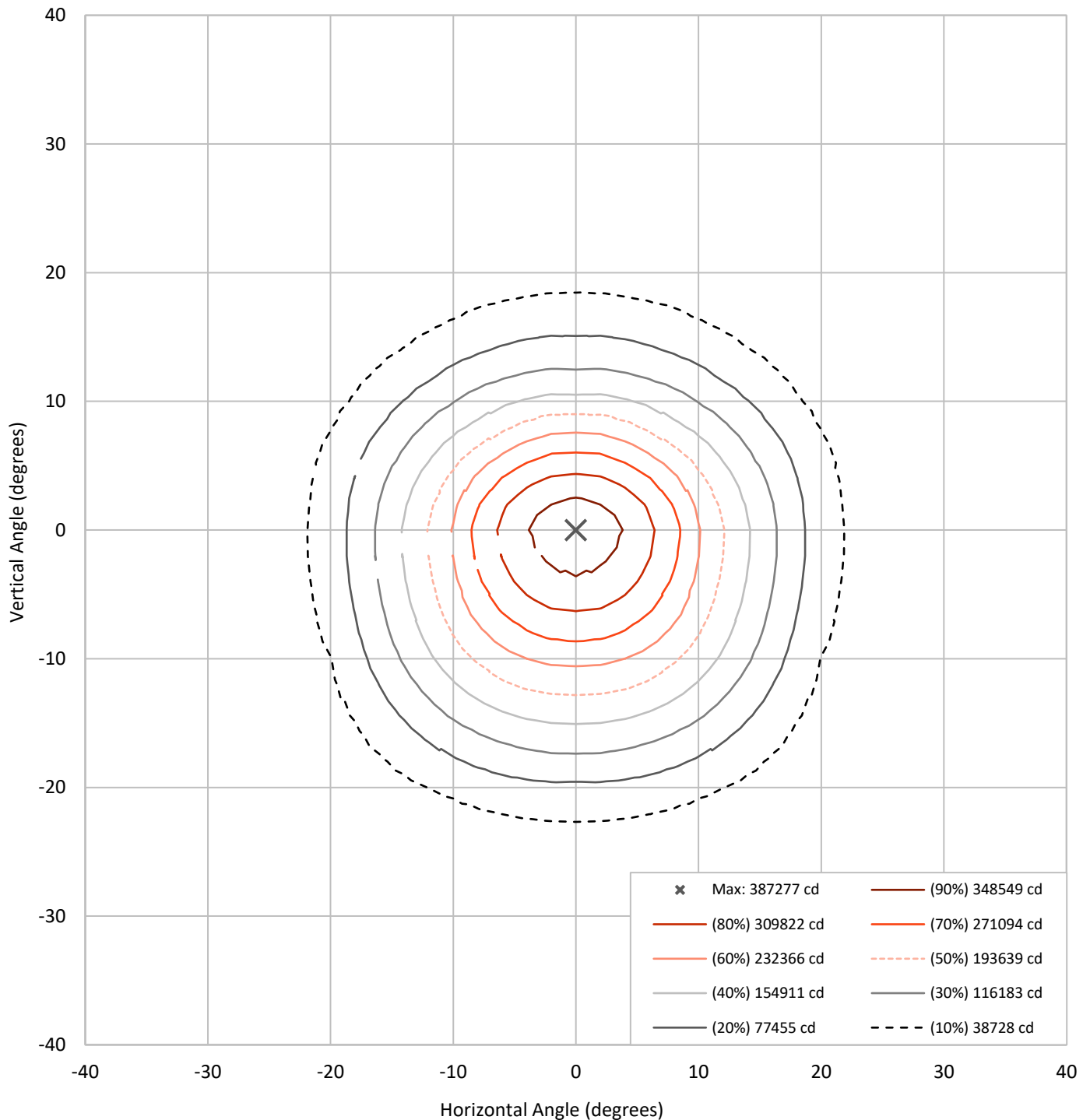
Test Method: LM-79-08
Report Number: P1305770 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680R-40-80-3S-CV2-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	76443.9 lumens	Max Intensity:	387277 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	111.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	34637.8 lumens	Field Lumens:	65549.2 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%
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





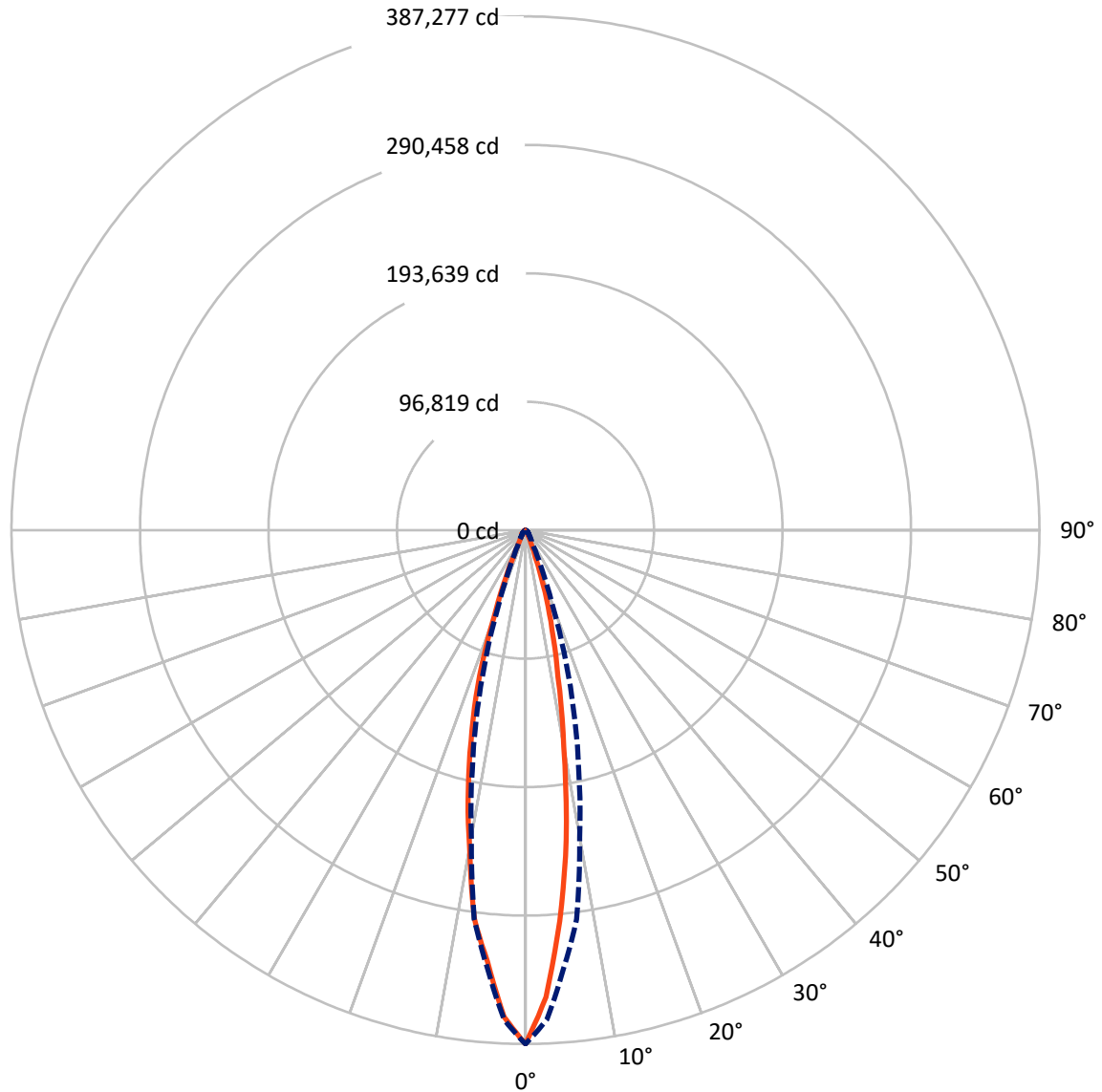
REPORT NUMBER: P1305770 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.2	0.6		0.8		0.6		0.5		0.6		0.8		0.6		0.2			
80	0.2	0.6		0.8		0.6		0.5		0.6		0.8		0.6		0.2			
70	0.2	0.1	0.2	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.6	0.2	0.1	0.2			
60		0.2	0.4	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.4	0.2				
50	0.3	0.2	0.4	0.5	0.7	1.0	1.2	1.4	1.4	1.2	1.0	0.7	0.5	0.4	0.2	0.3			
40		0.2	0.9	2.1	4.1	6.4	8.1	9.9	9.9	8.1	6.4	4.1	2.1	0.9	0.2				
30	0.3	0.5	3.1	10.1	26.6	45.8	105.1	219.5	219.5	105.1	45.8	26.6	10.1	3.1	0.5	0.3			
20		1.0	7.5	27.1	66.9	183.5	964.7	2265.0	2265.0	964.7	183.5	66.9	27.1	7.5	1.0				
10	0.4	2.0	13.3	50.8	122.6	552.5	3329.8	7617.3	7617.3	3329.8	552.5	122.6	50.8	13.3	2.0	0.4			
0		3.4	17.6	61.4	140.6	596.3	3842.6	8659.2	8659.2	3842.6	596.3	140.6	61.4	17.6	3.4				
-10	0.7	3.9	17.9	58.3	129.2	347.6	1964.8	4301.9	4301.9	1964.8	347.6	129.2	58.3	17.9	3.9	0.7			
-20		3.7	14.9	38.1	89.0	156.8	360.3	734.0	734.0	360.3	156.8	89.0	38.1	14.9	3.7				
-30	0.5	3.2	10.8	23.4	51.6	92.2	127.6	154.4	154.4	127.6	92.2	51.6	23.4	10.8	3.2	0.5			
-40		2.2	7.5	16.4	29.6	50.9	82.7	107.6	107.6	82.7	50.9	29.6	16.4	7.5	2.2				
-50	0.3	1.1	4.6	10.8	19.4	29.1	37.9	43.6	43.6	37.9	29.1	19.4	10.8	4.6	1.1	0.3			
-60		0.4	1.7	5.5	10.9	17.4	24.1	28.0	28.0	24.1	17.4	10.9	5.5	1.7	0.4				
-70	0.2	1.0		3.8		10.5		15.1		10.5		3.8		1.0		0.2			
-80		1.0		3.8		10.5		15.1		10.5		3.8		1.0					
-90	0.2	1.0		3.8		10.5		15.1		10.5		3.8		1.0		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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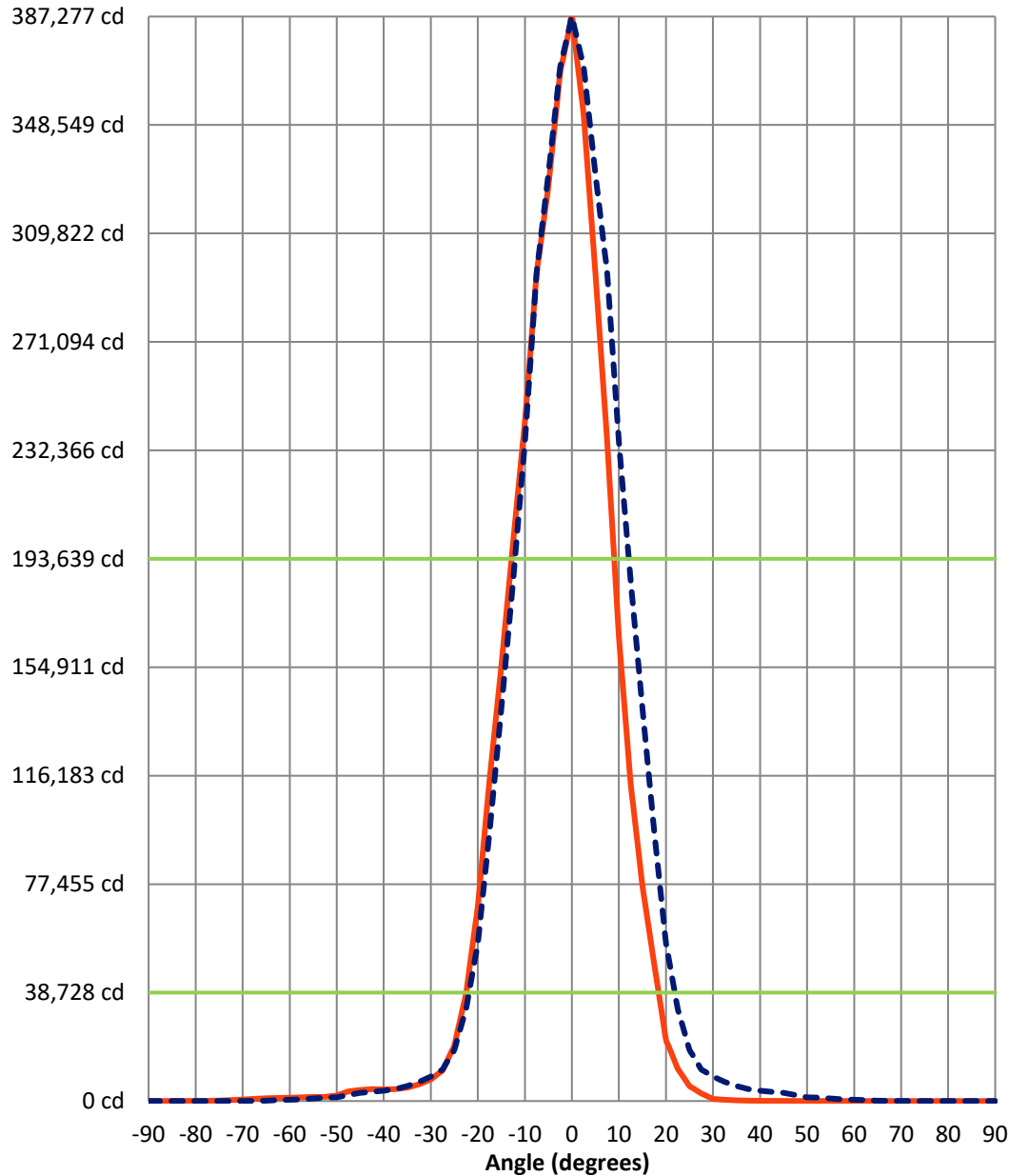
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 34637.8
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 65549.2
 Efficiency: 85.7%

Spill:
 Lumens: 10894.7
 Efficiency: 14.3%

— Vertical Distribution through 0-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°	10	10	10	10	10	10	10	11	11	11	12
87.5°	10	10	10	10	10	10	10	10	10	10	10
85°	10	10	10	10	10	10	10	10	10	10	10
82.5°	10	10	11	11	11	10	10	10	10	10	10
80°	10	10	11	11	11	10	10	10	10	10	10
77.5°	10	10	11	11	11	11	11	11	11	11	10
75°	10	10	11	11	11	11	11	11	11	11	10
72.5°	10	10	11	11	11	11	12	12	11	11	10
70°	10	10	11	12	11	12	12	12	11	11	10
67.5°	10	10	11	12	12	12	12	12	11	11	10
65°	10	10	12	12	12	12	12	12	11	11	11
62.5°	10	10	12	12	12	12	12	12	11	11	11
60°	10	10	12	12	12	12	12	12	12	11	12
57.5°	10	10	12	12	12	12	12	12	12	12	12
55°	10	10	12	12	12	12	12	12	12	12	12
52.5°	10	10	12	12	12	12	12	12	12	12	12
50°	10	10	12	12	12	12	12	12	12	12	13
47.5°	10	10	12	12	12	12	12	12	12	12	14
45°	10	11	12	12	12	12	12	12	12	13	15
42.5°	10	10	12	12	12	12	12	13	12	13	15
40°	10	10	12	12	12	12	13	13	13	14	16
37.5°	10	10	12	12	12	12	13	13	13	14	16
35°	10	10	12	12	12	12	13	13	14	15	16
32.5°	10	10	12	12	12	12	13	13	14	16	18
30°	10	10	12	12	12	13	13	13	15	17	19
27.5°	10	10	12	12	12	13	14	14	15	18	22
25°	10	10	12	12	12	13	14	14	16	20	24
22.5°	10	10	12	12	12	13	14	15	17	22	30
20°	10	10	12	12	12	13	14	15	18	24	35
17.5°	10	10	12	12	12	14	14	15	19	26	40
15°	10	10	12	12	12	14	14	16	20	29	44
12.5°	10	10	12	12	12	14	15	16	22	31	49
10°	10	10	12	12	12	14	15	16	24	36	57
7.5°	10	10	12	12	12	14	15	17	27	41	73
5°	10	10	12	12	12	14	15	17	29	46	89
2.5°	10	10	12	12	12	14	16	18	32	51	106
0°	10	10	12	12	12	14	16	18	34	56	122
-2.5°	10	10	12	12	12	14	18	24	45	74	148
-5°	10	10	12	12	12	14	19	30	56	92	172
-7.5°	10	10	12	12	12	14	20	35	65	108	195
-10°	10	10	12	12	12	14	22	40	74	123	214
-12.5°	10	10	12	12	12	14	22	44	82	136	228
-15°	10	10	12	12	12	14	23	47	89	147	237
-17.5°	10	10	12	12	12	14	23	50	95	156	244
-20°	10	10	12	12	12	13	24	52	100	163	248



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 CATALOG NUMBER: EPH-08-680R-40-80-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10	10	12	12	12	13	24	54	103	168	249
-25°	10	10	12	12	12	13	24	54	103	171	247
-27.5°	10	10	12	12	12	14	24	52	102	172	249
-30°	10	10	11	12	12	14	22	49	100	170	249
-32.5°	10	10	11	12	12	14	20	47	97	165	246
-35°	10	10	11	12	12	14	19	45	91	158	241
-37.5°	10	10	11	12	12	14	19	41	83	147	223
-40°	10	10	11	12	13	14	19	36	73	136	202
-42.5°	10	10	11	12	13	14	18	30	65	120	181
-45°	10	10	11	12	13	14	17	25	56	101	158
-47.5°	10	10	11	12	13	14	16	24	46	82	136
-50°	10	10	11	12	13	14	16	22	34	69	113
-52.5°	10	10	10	12	13	14	16	20	29	54	88
-55°	10	10	10	12	13	14	16	18	26	38	71
-57.5°	10	10	10	11	13	14	15	17	22	31	52
-60°	10	10	10	11	13	14	15	17	19	27	36
-62.5°	10	10	10	11	12	14	15	17	19	22	31
-65°	10	10	10	11	12	13	15	16	18	20	25
-67.5°	10	10	10	11	12	13	14	15	17	19	21
-70°	10	10	10	10	12	13	14	15	16	17	19
-72.5°	10	10	10	10	11	12	13	14	15	16	17
-75°	10	10	10	10	11	12	13	14	14	15	16
-77.5°	10	10	10	10	11	12	13	13	13	14	14
-80°	10	10	10	10	11	11	12	12	13	13	13
-82.5°	10	10	10	10	11	11	12	12	12	12	13
-85°	10	10	10	10	10	11	11	11	12	12	12
-87.5°	10	10	10	10	10	10	11	11	11	12	12
-90°	10	10	10	10	10	10	10	10	10	10	10



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 CATALOG NUMBER: EPH-08-680R-40-80-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12	11	11	10	10	10	10	10	10	9	9
87.5°	10	9	9	8	8	8	8	8	8	7	7
85°	10	9	9	8	8	8	8	8	8	7	7
82.5°	10	10	9	9	9	9	9	8	8	7	7
80°	10	10	10	10	10	9	9	8	8	7	7
77.5°	10	10	10	10	10	9	9	8	8	7	7
75°	10	10	10	10	10	9	9	9	8	8	8
72.5°	10	10	10	10	10	10	10	10	10	10	10
70°	10	10	10	10	10	10	11	12	13	14	17
67.5°	10	11	11	11	11	12	13	18	25	28	29
65°	11	11	11	11	12	16	22	29	38	40	39
62.5°	12	12	12	13	16	21	29	38	48	46	40
60°	12	12	13	16	20	27	37	41	44	44	36
57.5°	12	13	16	20	26	32	34	37	39	40	31
55°	13	15	18	24	29	28	29	31	32	30	22
52.5°	14	16	21	26	27	25	24	25	24	21	17
50°	15	18	23	27	26	22	19	20	19	17	15
47.5°	16	20	25	27	24	22	19	19	18	18	17
45°	18	22	27	26	24	24	22	20	23	24	24
42.5°	18	23	27	26	27	28	27	29	30	33	34
40°	19	23	28	31	31	34	38	41	42	46	49
37.5°	19	25	32	39	38	44	50	61	64	60	68
35°	19	29	43	53	55	57	73	90	100	90	99
32.5°	21	33	57	71	82	85	101	134	152	154	155
30°	26	46	74	93	118	137	153	191	219	287	343
27.5°	33	62	94	126	162	198	235	266	355	484	627
25°	39	84	117	166	221	274	323	365	539	803	980
22.5°	51	111	150	211	286	356	417	527	771	1161	1351
20°	71	139	191	264	359	440	512	696	1052	1418	1654
17.5°	93	169	235	332	453	543	616	860	1324	1674	1914
15°	116	199	279	405	556	668	816	1116	1565	1926	2220
12.5°	140	230	321	483	666	794	1059	1494	1895	2210	2650
10°	164	260	363	563	779	920	1327	1868	2256	2579	3086
7.5°	210	303	407	642	893	1045	1608	2232	2593	2923	3457
5°	260	359	476	740	1007	1157	1869	2579	2910	3242	3771
2.5°	308	412	543	836	1113	1249	2025	2772	3116	3490	4039
0°	353	463	606	923	1210	1334	2151	2935	3288	3697	4273
-2.5°	389	512	666	973	1244	1382	2177	2995	3377	3815	4385
-5°	419	558	721	1014	1270	1425	2172	3016	3452	3904	4488
-7.5°	443	600	770	1044	1284	1446	2166	3045	3534	3966	4571
-10°	456	618	781	1040	1281	1450	2118	3028	3601	4010	4597
-12.5°	442	612	778	1027	1272	1449	2015	2962	3654	4040	4548
-15°	426	603	767	1004	1258	1443	1851	2845	3627	3930	4404
-17.5°	409	591	748	973	1239	1432	1611	2550	3353	3741	4248
-20°	391	575	720	933	1213	1377	1498	2176	2961	3508	3975



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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°	373	555	689	895	1120	1286	1414	1795	2556	3219	3568
-25°	363	527	664	827	1020	1192	1318	1453	2132	2769	3208
-27.5°	359	501	626	758	925	1094	1213	1341	1714	2316	2842
-30°	351	466	587	696	845	990	1108	1239	1389	1876	2362
-32.5°	331	431	546	651	769	897	1027	1156	1284	1461	1907
-35°	308	401	505	604	699	821	951	1078	1187	1300	1546
-37.5°	289	369	464	558	647	752	872	995	1106	1208	1349
-40°	269	335	426	515	599	689	795	906	1021	1141	1251
-42.5°	247	310	386	472	551	633	719	822	935	1061	1175
-45°	221	284	346	425	501	577	657	738	849	962	1081
-47.5°	194	255	315	378	450	520	593	676	763	867	972
-50°	166	224	282	340	401	464	528	613	695	776	867
-52.5°	138	192	247	302	357	414	475	549	628	703	778
-55°	109	158	210	263	315	366	426	492	560	632	702
-57.5°	84	123	171	221	270	321	380	436	498	562	624
-60°	61	92	130	176	224	274	332	388	440	491	550
-62.5°	40	64	93	128	171	221	273	328	388	434	480
-65°	33	41	61	88	117	159	206	257	309	355	404
-67.5°	26	33	40	50	75	103	133	175	220	259	298
-70°	22	26	31	37	43	55	79	105	131	156	188
-72.5°	20	23	26	29	34	39	45	51	66	85	103
-75°	17	19	22	25	27	30	33	38	42	47	51
-77.5°	16	17	19	21	23	25	27	29	31	33	36
-80°	14	15	16	18	18	19	21	22	23	25	26
-82.5°	13	13	14	15	15	15	15	15	16	17	18
-85°	12	12	12	13	13	13	13	13	13	13	13
-87.5°	12	12	11	11	11	11	11	11	11	11	10
-90°	10	9	9	8	8	8	8	8	8	7	7



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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	8	8	8	8	9	9	10	10	12	13
87.5°	6	6	5	5	4	4	3	3	2	2	2
85°	6	6	5	5	4	4	3	3	2	2	2
82.5°	6	6	6	6	5	5	5	4	4	3	3
80°	6	6	6	6	6	6	5	5	4	4	3
77.5°	6	6	6	6	6	6	5	5	4	4	3
75°	8	8	7	7	6	6	5	5	4	4	4
72.5°	10	9	9	9	9	9	9	8	7	7	8
70°	18	19	19	18	16	15	13	12	10	10	10
67.5°	29	28	26	24	20	17	15	14	12	12	12
65°	36	30	26	22	20	17	15	13	12	11	10
62.5°	33	26	21	19	17	15	13	11	9	9	9
60°	28	21	16	14	12	10	9	9	8	8	8
57.5°	23	16	12	11	10	9	8	8	8	8	8
55°	17	14	12	11	11	10	10	10	10	9	10
52.5°	13	13	14	13	13	12	12	12	12	12	13
50°	15	15	16	15	15	14	14	14	15	16	17
47.5°	17	18	19	18	18	19	18	19	21	23	25
45°	22	25	26	27	27	29	30	31	37	39	39
42.5°	35	38	41	44	43	50	58	63	63	62	63
40°	53	56	65	71	80	89	89	81	82	92	92
37.5°	79	91	107	124	129	124	127	133	139	148	158
35°	127	164	171	185	194	185	188	204	204	233	248
32.5°	225	282	299	287	311	325	281	337	347	376	412
30°	366	485	522	505	569	590	550	663	729	728	894
27.5°	696	755	824	929	943	978	1200	1371	1589	1795	2062
25°	1065	1099	1296	1426	1490	1724	2053	2321	2783	3214	4111
22.5°	1405	1530	1771	1979	2213	2590	3043	3540	4768	6278	8172
20°	1738	1903	2191	2565	2938	3451	4054	5629	8042	11700	15653
17.5°	2115	2274	2665	3194	3761	4530	6378	9388	14513	21669	28572
15°	2603	2877	3310	4091	5177	6990	10002	17427	27659	38786	50716
12.5°	3175	3626	4332	5340	6904	11188	18757	30680	45970	61598	81206
10°	3728	4483	5562	7152	10263	17014	28292	45499	68927	93090	114744
7.5°	4214	5212	6666	8893	13833	23589	39813	63791	92992	122852	151970
5°	4711	5897	7591	10197	16010	28349	49174	80536	115817	151983	189988
2.5°	5118	6472	8363	11278	17296	30907	54978	92200	132963	174368	221659
0°	5364	6829	8745	11312	18306	32922	56412	96328	140202	185726	235221
-2.5°	5371	6755	8559	11204	18090	32371	56512	96225	139813	183656	232500
-5°	5355	6586	8280	10819	16796	29497	52177	89991	132923	174415	218903
-7.5°	5329	6362	7883	10204	15140	26028	47183	81799	122306	160953	200778
-10°	5299	6130	7519	9676	13639	21903	37956	69481	106639	142302	174959
-12.5°	5274	6035	7225	8949	11816	18354	32044	56781	86872	116986	145915
-15°	5177	5909	6985	8408	10733	15305	23921	41020	65729	89517	112482
-17.5°	4977	5729	6406	7515	9191	12173	17818	28122	43987	62582	78783
-20°	4587	5102	5664	6605	7896	9465	12040	17911	25454	37583	46078



REPORT NUMBER: P1305770 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	4007	4441	4913	5540	6448	7555	8929	11100	15036	19711	24878
-25°	3478	3790	4228	4766	5252	5975	6937	7779	9480	10855	13697
-27.5°	3077	3336	3733	4151	4509	4897	5566	6162	6989	7711	8866
-30°	2787	3053	3372	3688	4029	4357	4657	5108	5604	6075	6687
-32.5°	2430	2848	3079	3347	3650	3937	4166	4451	4724	5036	5371
-35°	2056	2513	2868	3073	3298	3573	3807	4002	4183	4377	4554
-37.5°	1615	2121	2525	2829	3035	3226	3477	3665	3785	3945	4066
-40°	1388	1591	2050	2464	2728	3030	3264	3462	3681	3852	3951
-42.5°	1278	1395	1517	1855	2270	2632	2933	3260	3553	3786	4003
-45°	1192	1276	1363	1475	1591	1930	2301	2683	3026	3345	3620
-47.5°	1078	1176	1255	1326	1397	1501	1613	1768	2096	2430	2748
-50°	961	1050	1138	1220	1287	1340	1382	1450	1549	1648	1745
-52.5°	850	933	1013	1093	1171	1240	1301	1350	1389	1423	1446
-55°	771	836	898	974	1049	1119	1184	1243	1297	1346	1380
-57.5°	689	753	817	881	943	1003	1063	1122	1177	1227	1261
-60°	607	662	725	792	853	911	967	1020	1069	1111	1138
-62.5°	530	582	637	696	759	820	876	929	980	1021	1047
-65°	452	496	543	592	643	695	748	803	857	901	930
-67.5°	340	383	430	477	521	560	599	639	679	712	738
-70°	221	254	286	319	354	391	426	458	489	513	532
-72.5°	119	135	153	178	202	226	250	273	294	310	322
-75°	55	63	76	88	100	112	123	133	143	150	155
-77.5°	39	43	46	49	52	57	61	66	71	75	79
-80°	28	29	31	33	35	37	40	43	45	48	51
-82.5°	19	20	21	22	23	25	26	27	29	31	33
-85°	13	13	14	14	15	16	17	18	19	21	23
-87.5°	10	10	10	10	10	11	12	13	14	15	17
-90°	6	6	5	5	4	4	3	3	2	2	1



REPORT NUMBER: P1305770 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15	16	17	18	17	16	15	13	12	10	10
87.5°	2	2	1	0	1	2	2	2	2	2	3
85°	2	2	1	0	1	2	2	2	2	2	3
82.5°	2	2	2	2	2	2	2	3	3	4	4
80°	3	2	2	2	2	2	3	3	4	4	5
77.5°	3	2	2	2	2	2	3	3	4	4	5
75°	4	4	4	4	4	4	4	4	4	4	5
72.5°	8	8	8	8	8	8	8	8	7	7	8
70°	10	10	10	10	10	10	10	10	10	10	12
67.5°	12	12	12	12	12	12	12	12	12	12	14
65°	10	10	10	10	10	10	10	10	11	12	13
62.5°	9	10	10	10	10	10	9	9	9	9	11
60°	8	8	8	8	8	8	8	8	8	8	9
57.5°	8	8	9	10	9	8	8	8	8	8	8
55°	10	10	11	12	11	10	10	10	9	10	10
52.5°	13	14	14	14	14	14	13	13	12	12	12
50°	17	18	18	18	18	18	17	17	16	15	14
47.5°	25	26	26	26	26	26	25	25	23	21	19
45°	41	41	42	42	42	41	41	39	39	37	31
42.5°	66	67	67	66	67	67	66	63	62	63	63
40°	94	94	93	92	93	94	94	92	92	82	81
37.5°	163	157	147	142	147	157	163	158	148	139	133
35°	252	256	257	255	257	256	252	248	233	204	204
32.5°	422	442	448	461	448	442	422	412	376	347	337
30°	868	862	787	754	787	862	868	894	728	729	663
27.5°	2339	2608	2736	2726	2736	2608	2339	2062	1795	1589	1371
25°	4816	5249	5536	5348	5536	5249	4816	4111	3214	2783	2321
22.5°	9937	10880	11394	11579	11394	10880	9937	8172	6278	4768	3540
20°	19913	21695	22995	21909	22995	21695	19913	15653	11700	8042	5629
17.5°	36969	42510	47411	48943	47411	42510	36969	28572	21669	14513	9388
15°	62218	71574	77136	76812	77136	71574	62218	50716	38786	27659	17427
12.5°	95729	107276	114980	113267	114980	107276	95729	81206	61598	45970	30680
10°	135995	153485	166192	165607	166192	153485	135995	114744	93090	68927	45499
7.5°	177743	206454	231374	235568	231374	206454	177743	151970	122852	92992	63791
5°	231579	269422	294170	295585	294170	269422	231579	189988	151983	115817	80536
2.5°	275250	318661	339547	352201	339547	318661	275250	221659	174368	132963	92200
0°	295709	331001	369185	387277	369185	331001	295709	235221	185726	140202	96328
-2.5°	287315	325133	348044	367218	348044	325133	287315	232500	183656	139813	96225
-5°	268279	305750	324970	326764	324970	305750	268279	218903	174415	132923	89991
-7.5°	237202	268975	289154	295433	289154	268975	237202	200778	160953	122306	81799
-10°	204174	227024	240066	242566	240066	227024	204174	174959	142302	106639	69481
-12.5°	169837	188545	197544	199510	197544	188545	169837	145915	116986	86872	56781
-15°	131801	145878	153980	155390	153980	145878	131801	112482	89517	65729	41020
-17.5°	94077	105515	113723	114814	113723	105515	94077	78783	62582	43987	28122
-20°	57791	65574	70376	69672	70376	65574	57791	46078	37583	25454	17911



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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°	31114	35309	37338	38387	37338	35309	31114	24878	19711	15036	11100
-25°	16447	18224	19135	19849	19135	18224	16447	13697	10855	9480	7779
-27.5°	9786	10397	10736	10923	10736	10397	9786	8866	7711	6989	6162
-30°	7174	7467	7622	7698	7622	7467	7174	6687	6075	5604	5108
-32.5°	5640	5814	5921	5960	5921	5814	5640	5371	5036	4724	4451
-35°	4679	4737	4758	4795	4758	4737	4679	4554	4377	4183	4002
-37.5°	4159	4213	4239	4261	4239	4213	4159	4066	3945	3785	3665
-40°	3997	4054	4113	4155	4113	4054	3997	3951	3852	3681	3462
-42.5°	4098	4192	4256	4265	4256	4192	4098	4003	3786	3553	3260
-45°	3775	3882	3941	3960	3941	3882	3775	3620	3345	3026	2683
-47.5°	3030	3274	3419	3451	3419	3274	3030	2748	2430	2096	1768
-50°	1839	1926	1974	1980	1974	1926	1839	1745	1648	1549	1450
-52.5°	1465	1480	1490	1495	1490	1480	1465	1446	1423	1389	1350
-55°	1410	1436	1451	1458	1451	1436	1410	1380	1346	1297	1243
-57.5°	1291	1317	1329	1332	1329	1317	1291	1261	1227	1177	1122
-60°	1163	1185	1192	1192	1192	1185	1163	1138	1111	1069	1020
-62.5°	1072	1095	1107	1113	1107	1095	1072	1047	1021	980	929
-65°	956	977	986	989	986	977	956	930	901	857	803
-67.5°	762	782	788	788	788	782	762	738	712	679	639
-70°	549	563	565	562	565	563	549	532	513	489	458
-72.5°	332	340	343	343	343	340	332	322	310	294	273
-75°	159	162	164	165	164	162	159	155	150	143	133
-77.5°	83	87	89	90	89	87	83	79	75	71	66
-80°	53	55	56	56	56	55	53	51	48	45	43
-82.5°	36	38	38	38	38	38	36	33	31	29	27
-85°	24	26	27	28	27	26	24	23	21	19	18
-87.5°	18	20	20	20	20	20	18	17	15	14	13
-90°	1	0	0	0	0	0	1	1	2	2	3



REPORT NUMBER: P1305770 (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°	9	9	8	8	8	8	8	9	9	10	10
87.5°	3	4	4	5	5	6	6	7	7	8	8
85°	3	4	4	5	5	6	6	7	7	8	8
82.5°	5	5	5	6	6	6	6	7	7	8	8
80°	5	6	6	6	6	6	6	7	7	8	8
77.5°	5	6	6	6	6	6	6	7	7	8	8
75°	5	6	6	7	7	8	8	8	8	8	9
72.5°	9	9	9	9	9	9	10	10	10	10	10
70°	13	15	16	18	19	19	18	17	14	13	12
67.5°	15	17	20	24	26	28	29	29	28	25	18
65°	15	17	20	22	26	30	36	39	40	38	29
62.5°	13	15	17	19	21	26	33	40	46	48	38
60°	9	10	12	14	16	21	28	36	44	44	41
57.5°	8	9	10	11	12	16	23	31	40	39	37
55°	10	10	11	11	12	14	17	22	30	32	31
52.5°	12	12	13	13	14	13	13	17	21	24	25
50°	14	14	15	15	16	15	15	15	17	19	20
47.5°	18	19	18	18	19	18	17	17	18	18	19
45°	30	29	27	27	26	25	22	24	24	23	20
42.5°	58	50	43	44	41	38	35	34	33	30	29
40°	89	89	80	71	65	56	53	49	46	42	41
37.5°	127	124	129	124	107	91	79	68	60	64	61
35°	188	185	194	185	171	164	127	99	90	100	90
32.5°	281	325	311	287	299	282	225	155	154	152	134
30°	550	590	569	505	522	485	366	343	287	219	191
27.5°	1200	978	943	929	824	755	696	627	484	355	266
25°	2053	1724	1490	1426	1296	1099	1065	980	803	539	365
22.5°	3043	2590	2213	1979	1771	1530	1405	1351	1161	771	527
20°	4054	3451	2938	2565	2191	1903	1738	1654	1418	1052	696
17.5°	6378	4530	3761	3194	2665	2274	2115	1914	1674	1324	860
15°	10002	6990	5177	4091	3310	2877	2603	2220	1926	1565	1116
12.5°	18757	11188	6904	5340	4332	3626	3175	2650	2210	1895	1494
10°	28292	17014	10263	7152	5562	4483	3728	3086	2579	2256	1868
7.5°	39813	23589	13833	8893	6666	5212	4214	3457	2923	2593	2232
5°	49174	28349	16010	10197	7591	5897	4711	3771	3242	2910	2579
2.5°	54978	30907	17296	11278	8363	6472	5118	4039	3490	3116	2772
0°	56412	32922	18306	11312	8745	6829	5364	4273	3697	3288	2935
-2.5°	56512	32371	18090	11204	8559	6755	5371	4385	3815	3377	2995
-5°	52177	29497	16796	10819	8280	6586	5355	4488	3904	3452	3016
-7.5°	47183	26028	15140	10204	7883	6362	5329	4571	3966	3534	3045
-10°	37956	21903	13639	9676	7519	6130	5299	4597	4010	3601	3028
-12.5°	32044	18354	11816	8949	7225	6035	5274	4548	4040	3654	2962
-15°	23921	15305	10733	8408	6985	5909	5177	4404	3930	3627	2845
-17.5°	17818	12173	9191	7515	6406	5729	4977	4248	3741	3353	2550
-20°	12040	9465	7896	6605	5664	5102	4587	3975	3508	2961	2176



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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°	8929	7555	6448	5540	4913	4441	4007	3568	3219	2556	1795
-25°	6937	5975	5252	4766	4228	3790	3478	3208	2769	2132	1453
-27.5°	5566	4897	4509	4151	3733	3336	3077	2842	2316	1714	1341
-30°	4657	4357	4029	3688	3372	3053	2787	2362	1876	1389	1239
-32.5°	4166	3937	3650	3347	3079	2848	2430	1907	1461	1284	1156
-35°	3807	3573	3298	3073	2868	2513	2056	1546	1300	1187	1078
-37.5°	3477	3226	3035	2829	2525	2121	1615	1349	1208	1106	995
-40°	3264	3030	2728	2464	2050	1591	1388	1251	1141	1021	906
-42.5°	2933	2632	2270	1855	1517	1395	1278	1175	1061	935	822
-45°	2301	1930	1591	1475	1363	1276	1192	1081	962	849	738
-47.5°	1613	1501	1397	1326	1255	1176	1078	972	867	763	676
-50°	1382	1340	1287	1220	1138	1050	961	867	776	695	613
-52.5°	1301	1240	1171	1093	1013	933	850	778	703	628	549
-55°	1184	1119	1049	974	898	836	771	702	632	560	492
-57.5°	1063	1003	943	881	817	753	689	624	562	498	436
-60°	967	911	853	792	725	662	607	550	491	440	388
-62.5°	876	820	759	696	637	582	530	480	434	388	328
-65°	748	695	643	592	543	496	452	404	355	309	257
-67.5°	599	560	521	477	430	383	340	298	259	220	175
-70°	426	391	354	319	286	254	221	188	156	131	105
-72.5°	250	226	202	178	153	135	119	103	85	66	51
-75°	123	112	100	88	76	63	55	51	47	42	38
-77.5°	61	57	52	49	46	43	39	36	33	31	29
-80°	40	37	35	33	31	29	28	26	25	23	22
-82.5°	26	25	23	22	21	20	19	18	17	16	15
-85°	17	16	15	14	14	13	13	13	13	13	13
-87.5°	12	11	10	10	10	10	10	10	11	11	11
-90°	3	4	4	5	5	6	6	7	7	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°	10	10	10	10	11	11	12	12	11	11	11
87.5°	8	8	8	8	9	9	10	10	10	10	10
85°	8	8	8	8	9	9	10	10	10	10	10
82.5°	9	9	9	9	9	10	10	10	10	10	10
80°	9	9	10	10	10	10	10	10	10	10	10
77.5°	9	9	10	10	10	10	10	10	11	11	11
75°	9	9	10	10	10	10	10	10	11	11	11
72.5°	10	10	10	10	10	10	10	10	11	11	12
70°	11	10	10	10	10	10	10	10	11	11	12
67.5°	13	12	11	11	11	11	10	10	11	11	12
65°	22	16	12	11	11	11	11	11	11	11	12
62.5°	29	21	16	13	12	12	12	11	11	11	12
60°	37	27	20	16	13	12	12	12	11	12	12
57.5°	34	32	26	20	16	13	12	12	12	12	12
55°	29	28	29	24	18	15	13	12	12	12	12
52.5°	24	25	27	26	21	16	14	12	12	12	12
50°	19	22	26	27	23	18	15	13	12	12	12
47.5°	19	22	24	27	25	20	16	14	12	12	12
45°	22	24	24	26	27	22	18	15	13	12	12
42.5°	27	28	27	26	27	23	18	15	13	12	13
40°	38	34	31	31	28	23	19	16	14	13	13
37.5°	50	44	38	39	32	25	19	16	14	13	13
35°	73	57	55	53	43	29	19	16	15	14	13
32.5°	101	85	82	71	57	33	21	18	16	14	13
30°	153	137	118	93	74	46	26	19	17	15	13
27.5°	235	198	162	126	94	62	33	22	18	15	14
25°	323	274	221	166	117	84	39	24	20	16	14
22.5°	417	356	286	211	150	111	51	30	22	17	15
20°	512	440	359	264	191	139	71	35	24	18	15
17.5°	616	543	453	332	235	169	93	40	26	19	15
15°	816	668	556	405	279	199	116	44	29	20	16
12.5°	1059	794	666	483	321	230	140	49	31	22	16
10°	1327	920	779	563	363	260	164	57	36	24	16
7.5°	1608	1045	893	642	407	303	210	73	41	27	17
5°	1869	1157	1007	740	476	359	260	89	46	29	17
2.5°	2025	1249	1113	836	543	412	308	106	51	32	18
0°	2151	1334	1210	923	606	463	353	122	56	34	18
-2.5°	2177	1382	1244	973	666	512	389	148	74	45	24
-5°	2172	1425	1270	1014	721	558	419	172	92	56	30
-7.5°	2166	1446	1284	1044	770	600	443	195	108	65	35
-10°	2118	1450	1281	1040	781	618	456	214	123	74	40
-12.5°	2015	1449	1272	1027	778	612	442	228	136	82	44
-15°	1851	1443	1258	1004	767	603	426	237	147	89	47
-17.5°	1611	1432	1239	973	748	591	409	244	156	95	50
-20°	1498	1377	1213	933	720	575	391	248	163	100	52



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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°	1414	1286	1120	895	689	555	373	249	168	103	54
-25°	1318	1192	1020	827	664	527	363	247	171	103	54
-27.5°	1213	1094	925	758	626	501	359	249	172	102	52
-30°	1108	990	845	696	587	466	351	249	170	100	49
-32.5°	1027	897	769	651	546	431	331	246	165	97	47
-35°	951	821	699	604	505	401	308	241	158	91	45
-37.5°	872	752	647	558	464	369	289	223	147	83	41
-40°	795	689	599	515	426	335	269	202	136	73	36
-42.5°	719	633	551	472	386	310	247	181	120	65	30
-45°	657	577	501	425	346	284	221	158	101	56	25
-47.5°	593	520	450	378	315	255	194	136	82	46	24
-50°	528	464	401	340	282	224	166	113	69	34	22
-52.5°	475	414	357	302	247	192	138	88	54	29	20
-55°	426	366	315	263	210	158	109	71	38	26	18
-57.5°	380	321	270	221	171	123	84	52	31	22	17
-60°	332	274	224	176	130	92	61	36	27	19	17
-62.5°	273	221	171	128	93	64	40	31	22	19	17
-65°	206	159	117	88	61	41	33	25	20	18	16
-67.5°	133	103	75	50	40	33	26	21	19	17	15
-70°	79	55	43	37	31	26	22	19	17	16	15
-72.5°	45	39	34	29	26	23	20	17	16	15	14
-75°	33	30	27	25	22	19	17	16	15	14	14
-77.5°	27	25	23	21	19	17	16	14	14	13	13
-80°	21	19	18	18	16	15	14	13	13	13	12
-82.5°	15	15	15	15	14	13	13	13	12	12	12
-85°	13	13	13	13	12	12	12	12	12	12	11
-87.5°	11	11	11	11	11	12	12	12	12	11	11
-90°	8	8	8	8	9	9	10	10	10	10	10



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10	10	10	10	10	10	10
87.5°	10	10	10	10	10	10	10
85°	10	10	10	10	10	10	10
82.5°	10	10	11	11	11	10	10
80°	10	10	11	11	11	10	10
77.5°	11	11	11	11	11	10	10
75°	11	11	11	11	11	10	10
72.5°	12	11	11	11	11	10	10
70°	12	12	11	12	11	10	10
67.5°	12	12	12	12	11	10	10
65°	12	12	12	12	12	10	10
62.5°	12	12	12	12	12	10	10
60°	12	12	12	12	12	10	10
57.5°	12	12	12	12	12	10	10
55°	12	12	12	12	12	10	10
52.5°	12	12	12	12	12	10	10
50°	12	12	12	12	12	10	10
47.5°	12	12	12	12	12	10	10
45°	12	12	12	12	12	11	10
42.5°	12	12	12	12	12	10	10
40°	13	12	12	12	12	10	10
37.5°	13	12	12	12	12	10	10
35°	13	12	12	12	12	10	10
32.5°	13	12	12	12	12	10	10
30°	13	13	12	12	12	10	10
27.5°	14	13	12	12	12	10	10
25°	14	13	12	12	12	10	10
22.5°	14	13	12	12	12	10	10
20°	14	13	12	12	12	10	10
17.5°	14	14	12	12	12	10	10
15°	14	14	12	12	12	10	10
12.5°	15	14	12	12	12	10	10
10°	15	14	12	12	12	10	10
7.5°	15	14	12	12	12	10	10
5°	15	14	12	12	12	10	10
2.5°	16	14	12	12	12	10	10
0°	16	14	12	12	12	10	10
-2.5°	18	14	12	12	12	10	10
-5°	19	14	12	12	12	10	10
-7.5°	20	14	12	12	12	10	10
-10°	22	14	12	12	12	10	10
-12.5°	22	14	12	12	12	10	10
-15°	23	14	12	12	12	10	10
-17.5°	23	14	12	12	12	10	10
-20°	24	13	12	12	12	10	10



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24	13	12	12	12	10	10
-25°	24	13	12	12	12	10	10
-27.5°	24	14	12	12	12	10	10
-30°	22	14	12	12	11	10	10
-32.5°	20	14	12	12	11	10	10
-35°	19	14	12	12	11	10	10
-37.5°	19	14	12	12	11	10	10
-40°	19	14	13	12	11	10	10
-42.5°	18	14	13	12	11	10	10
-45°	17	14	13	12	11	10	10
-47.5°	16	14	13	12	11	10	10
-50°	16	14	13	12	11	10	10
-52.5°	16	14	13	12	10	10	10
-55°	16	14	13	12	10	10	10
-57.5°	15	14	13	11	10	10	10
-60°	15	14	13	11	10	10	10
-62.5°	15	14	12	11	10	10	10
-65°	15	13	12	11	10	10	10
-67.5°	14	13	12	11	10	10	10
-70°	14	13	12	10	10	10	10
-72.5°	13	12	11	10	10	10	10
-75°	13	12	11	10	10	10	10
-77.5°	13	12	11	10	10	10	10
-80°	12	11	11	10	10	10	10
-82.5°	12	11	11	10	10	10	10
-85°	11	11	10	10	10	10	10
-87.5°	11	10	10	10	10	10	10
-90°	10	10	10	10	10	10	10

(END OF REPORT)