

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: P1305742 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-70-2S-CV2-A**

Issue Date: 2/3/2026

Test Information

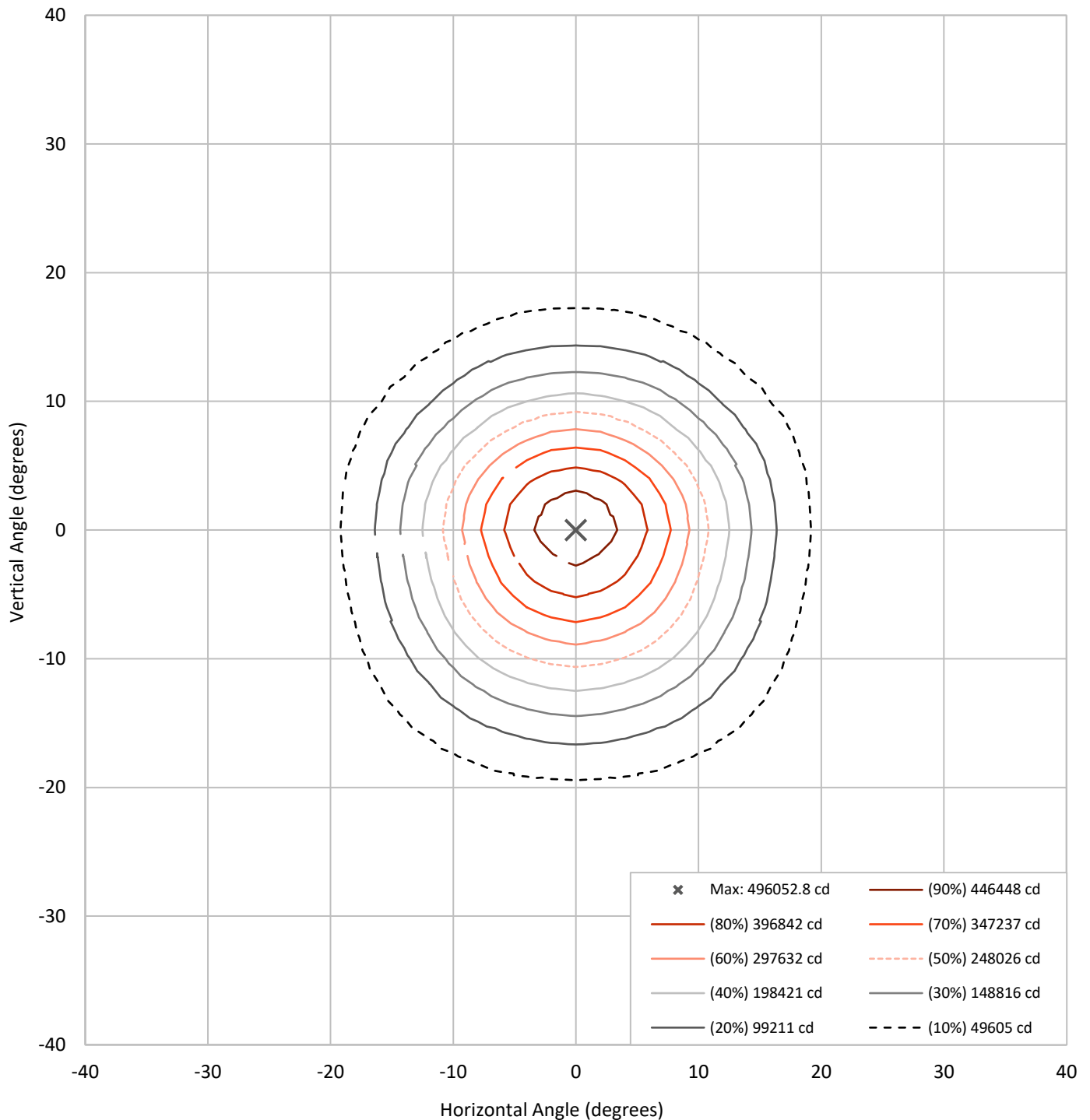
Test Method: LM-79-08
Report Number: P1305742 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680R-40-70-2S-CV2-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S 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:	76790 lumens	Max Intensity:	496052.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	35499.4 lumens	Field Lumens:	66222.9 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%
Input Watts (W):	711		
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





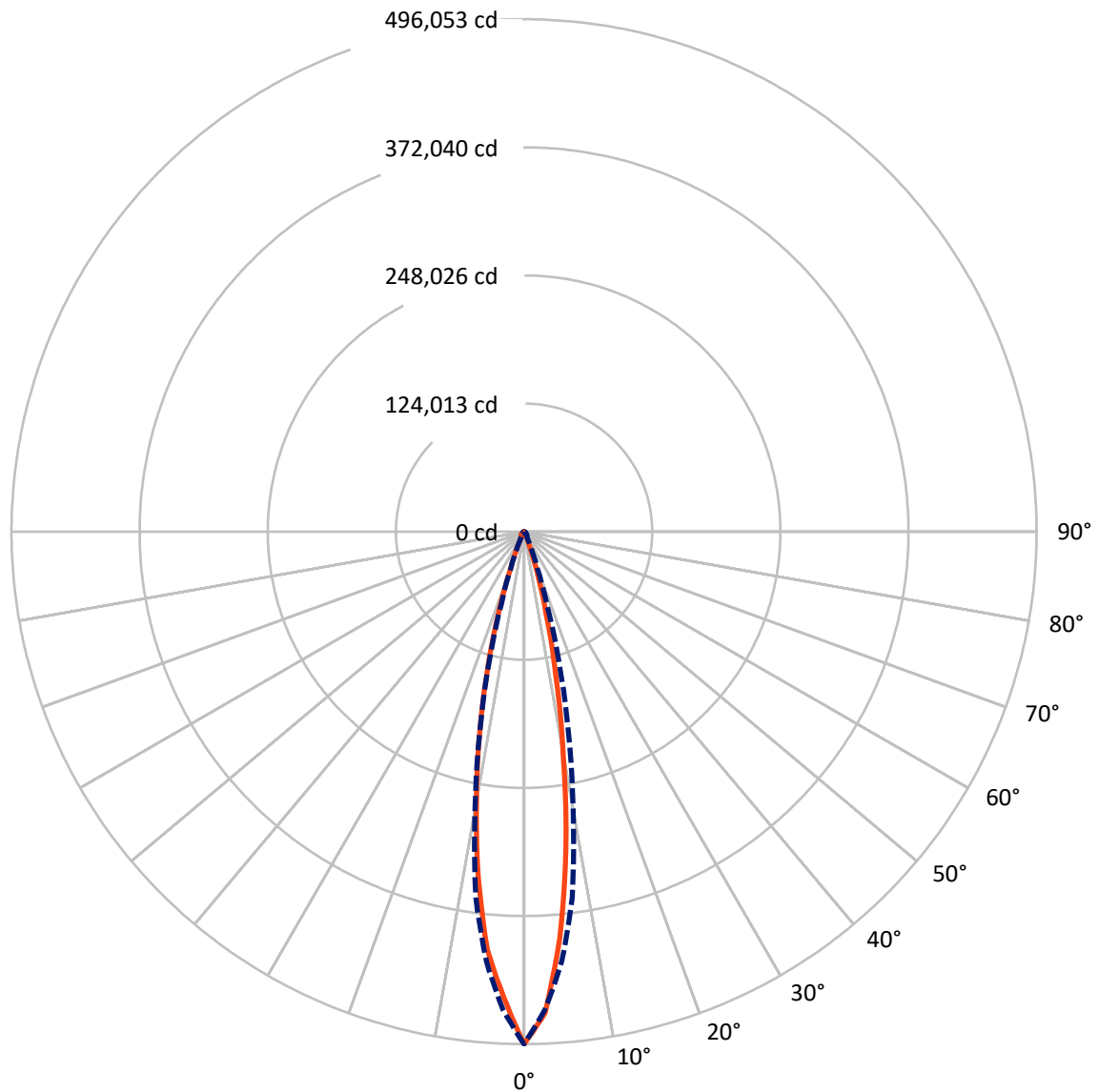
REPORT NUMBER: P1305742 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.2	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.2							
80	0.2	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.2							
70	0.2	0.1	0.2	0.7	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.7	0.2	0.1	0.2			
60		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1				
50	0.2	0.2	0.5	0.6	0.8	1.1	1.4	1.5	1.5	1.4	1.1	0.8	0.6	0.5	0.2	0.2			
40		0.3	1.0	2.1	4.4	7.2	8.7	10.1	10.1	8.7	7.2	4.4	2.1	1.0	0.3				
30	0.3	0.5	3.1	10.7	28.5	41.9	73.3	161.3	161.3	73.3	41.9	28.5	10.7	3.1	0.5	0.3			
20		1.1	7.2	27.7	65.3	127.7	793.6	2476.3	2476.3	793.6	127.7	65.3	27.7	7.2	1.1				
10	0.4	2.0	12.3	51.4	106.6	343.7	3243.4	9660.7	9660.7	3243.4	343.7	106.6	51.4	12.3	2.0	0.4			
0		3.3	16.1	60.3	119.5	344.9	3437.3	10072.0	10072.0	3437.3	344.9	119.5	60.3	16.1	3.3				
-10	0.6	3.8	16.4	55.7	118.0	197.2	1265.5	3652.4	3652.4	1265.5	197.2	118.0	55.7	16.4	3.8	0.6			
-20		3.5	13.8	33.2	83.9	123.4	192.7	377.2	377.2	192.7	123.4	83.9	33.2	13.8	3.5				
-30	0.5	3.0	10.1	20.8	46.4	88.8	115.0	126.4	126.4	115.0	88.8	46.4	20.8	10.1	3.0	0.5			
-40		2.0	7.0	15.4	26.2	43.4	75.4	101.9	101.9	75.4	43.4	26.2	15.4	7.0	2.0				
-50	0.3	1.0	4.1	10.0	18.2	27.3	34.9	39.2	39.2	34.9	27.3	18.2	10.0	4.1	1.0	0.3			
-60		0.4	1.5	4.7	9.7	15.7	22.1	26.0	26.0	22.1	15.7	9.7	4.7	1.5	0.4				
-70	0.2	1.2	3.6	8.9	12.9	8.9	3.6	1.2	0.2							0.2			
-80		0.2	1.2	3.6	8.9	12.9	8.9	3.6	1.2	0.2									
-90	0.2	1.2	3.6	8.9	12.9	8.9	3.6	1.2	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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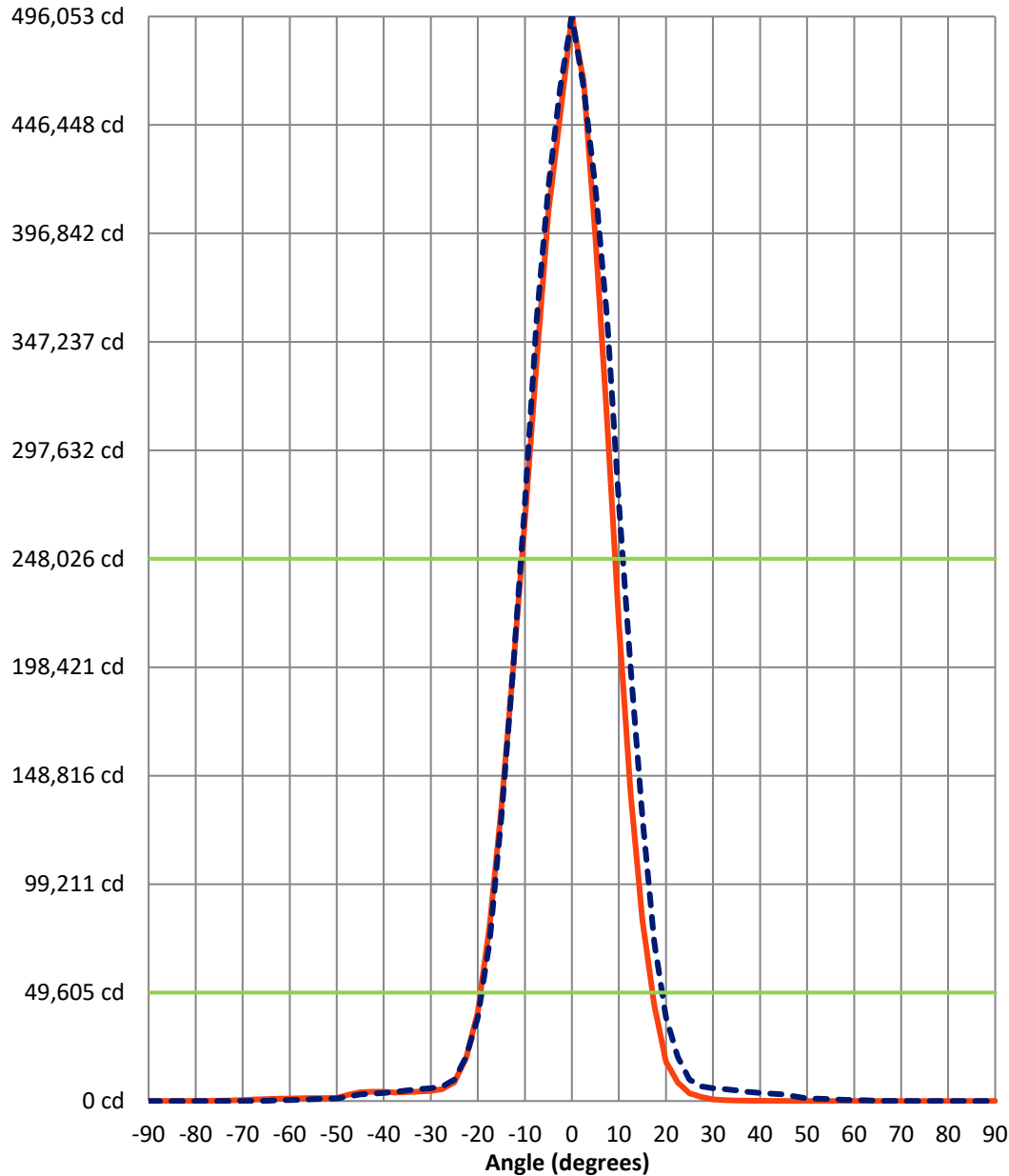
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.7°
 V Angle: 19.8°
 Lumens: 35499.4
 Efficiency: 46.2%

Field:
 H Angle: 38.4°
 V Angle: 36.6°
 Lumens: 66222.9
 Efficiency: 86.2%

Spill:
 Lumens: 10567
 Efficiency: 13.8%

— 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°	8	8	8	9	9	9	10	10	10	10	10
87.5°	8	8	8	8	8	8	8	8	7	7	7
85°	8	8	8	8	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	8	8	8
70°	8	8	8	8	8	8	8	8	8	8	8
67.5°	8	8	8	8	8	8	8	8	8	8	8
65°	8	8	8	8	8	8	8	8	8	9	8
62.5°	8	8	8	8	8	8	8	8	9	9	9
60°	8	8	8	8	8	8	8	9	9	9	9
57.5°	8	8	8	8	8	9	9	9	10	9	9
55°	8	8	8	8	8	9	9	10	10	9	9
52.5°	8	8	8	8	9	9	9	10	10	9	9
50°	8	8	8	8	9	9	10	10	10	9	11
47.5°	8	8	8	8	9	9	10	10	10	10	12
45°	8	8	8	8	9	10	10	10	10	11	13
42.5°	8	8	8	8	10	10	10	10	10	11	15
40°	8	8	8	9	10	10	10	10	11	12	16
37.5°	8	8	8	9	10	10	10	10	11	13	17
35°	8	8	9	9	10	10	10	11	12	15	18
32.5°	8	8	9	9	10	10	10	11	13	17	20
30°	8	8	9	9	10	10	10	11	14	19	22
27.5°	8	8	9	10	10	10	10	12	16	22	24
25°	8	8	9	10	10	10	11	13	18	24	27
22.5°	8	8	9	10	10	10	11	14	19	26	32
20°	8	8	9	10	10	10	11	15	21	28	37
17.5°	8	8	9	10	10	10	12	16	23	31	42
15°	8	8	9	10	10	11	12	17	25	33	46
12.5°	8	8	9	10	10	11	12	17	27	36	50
10°	8	8	10	10	10	11	13	18	28	39	56
7.5°	8	8	10	10	10	11	13	19	30	44	68
5°	8	8	10	10	10	12	13	19	31	48	79
2.5°	8	8	10	10	10	12	14	20	33	52	91
0°	8	8	10	10	10	12	14	20	34	56	102
-2.5°	8	8	10	10	10	12	16	25	44	73	132
-5°	8	8	10	10	10	13	17	29	54	90	160
-7.5°	8	8	10	10	11	13	19	33	63	105	186
-10°	8	8	10	10	11	14	20	37	70	119	208
-12.5°	8	8	10	11	11	14	21	40	77	131	222
-15°	8	8	10	11	11	14	22	42	83	140	230
-17.5°	8	8	10	11	11	14	22	45	89	148	235
-20°	8	8	10	11	11	14	23	48	93	154	238



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 CATALOG NUMBER: EPH-08-680R-40-70-2S-CV2-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	11	12	14	24	49	95	158	237
-25°	8	8	10	11	12	15	24	49	96	160	234
-27.5°	8	8	10	11	12	15	24	47	95	160	236
-30°	8	8	10	11	12	15	23	44	93	158	234
-32.5°	8	8	10	11	12	15	22	43	90	154	230
-35°	8	8	10	11	12	15	21	41	84	148	224
-37.5°	8	8	10	11	13	15	21	39	76	139	206
-40°	8	8	10	11	13	15	21	35	65	128	187
-42.5°	8	8	10	10	13	15	20	31	58	110	167
-45°	8	9	10	10	12	15	19	27	52	91	145
-47.5°	8	8	10	10	12	15	18	26	44	71	122
-50°	8	8	10	10	12	14	18	25	35	61	99
-52.5°	8	8	10	10	12	14	17	23	31	49	76
-55°	8	8	10	10	11	14	17	21	28	37	62
-57.5°	8	8	10	10	11	13	16	20	26	32	47
-60°	8	8	10	10	11	13	15	19	23	29	35
-62.5°	8	8	10	10	11	12	14	18	22	26	31
-65°	8	8	10	10	11	12	14	16	20	24	28
-67.5°	8	8	9	10	10	11	13	15	18	22	25
-70°	8	8	9	10	10	11	12	14	17	20	23
-72.5°	8	8	9	10	10	11	11	13	16	19	21
-75°	8	8	9	10	10	10	11	13	15	17	20
-77.5°	8	8	9	9	10	10	11	12	14	16	18
-80°	8	8	9	9	10	10	10	11	13	15	17
-82.5°	8	8	9	9	10	10	10	11	12	13	15
-85°	8	8	8	9	9	10	10	11	11	12	13
-87.5°	8	8	8	9	9	10	10	10	11	11	12
-90°	8	8	8	8	8	8	8	8	7	7	6



REPORT NUMBER: P1305742 (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°	10	10	10	10	11	11	12	12	13	13	13
87.5°	7	7	6	6	6	6	6	6	6	5	5
85°	7	7	7	6	6	6	6	6	6	5	5
82.5°	8	7	7	6	6	6	6	6	6	5	5
80°	8	7	7	6	6	6	6	6	6	5	5
77.5°	8	7	7	6	6	6	7	7	7	7	7
75°	8	7	7	7	7	8	8	8	8	7	7
72.5°	8	8	8	8	8	8	8	8	9	10	11
70°	8	8	8	8	8	8	11	13	16	18	21
67.5°	8	8	8	8	10	12	15	23	32	35	35
65°	8	8	8	10	12	18	27	37	45	44	41
62.5°	8	8	9	12	18	26	34	42	50	49	42
60°	8	8	12	17	24	30	38	43	48	50	39
57.5°	8	10	16	22	27	32	35	40	42	43	32
55°	9	14	19	25	29	28	30	33	34	32	23
52.5°	12	17	23	27	28	26	25	26	24	21	18
50°	14	19	25	28	27	25	21	20	20	18	17
47.5°	16	22	27	29	27	24	20	20	20	21	20
45°	18	24	29	29	28	26	24	22	26	27	27
42.5°	20	25	29	30	30	30	29	32	34	36	37
40°	21	25	31	35	35	36	41	44	44	47	49
37.5°	21	28	35	44	41	46	53	64	65	59	68
35°	21	31	47	57	56	59	76	91	98	88	102
32.5°	23	36	62	73	83	87	103	133	150	157	168
30°	28	50	80	92	120	139	152	189	220	314	383
27.5°	35	67	97	125	167	199	228	265	379	550	727
25°	41	90	117	167	224	268	307	360	598	949	1098
22.5°	53	117	147	215	287	339	396	539	860	1387	1448
20°	73	142	189	269	356	410	486	726	1157	1559	1726
17.5°	95	170	234	332	438	499	587	906	1412	1771	1994
15°	117	200	278	401	525	609	791	1154	1614	2018	2344
12.5°	140	231	320	475	616	718	1038	1532	1952	2331	2774
10°	163	262	359	551	709	824	1311	1916	2329	2699	3153
7.5°	208	304	401	626	803	928	1595	2298	2674	3022	3467
5°	258	356	465	716	897	1024	1854	2667	2993	3306	3741
2.5°	306	405	527	802	987	1107	1987	2870	3195	3524	3978
0°	350	452	586	881	1071	1185	2083	3040	3364	3707	4185
-2.5°	388	500	649	918	1094	1205	2052	3039	3428	3808	4303
-5°	419	545	706	949	1113	1221	1989	2991	3480	3889	4391
-7.5°	443	586	758	973	1124	1229	1961	3011	3573	3960	4449
-10°	456	602	762	972	1126	1231	1900	2969	3650	4023	4474
-12.5°	438	595	752	962	1127	1230	1782	2860	3713	4083	4452
-15°	419	585	736	942	1127	1227	1602	2679	3677	3975	4358
-17.5°	398	571	713	912	1128	1223	1346	2289	3319	3747	4208
-20°	378	554	684	871	1122	1190	1247	1893	2795	3458	3923



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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°	358	533	654	833	1035	1133	1188	1510	2257	3105	3497
-25°	347	503	628	773	944	1074	1121	1188	1781	2549	3109
-27.5°	342	476	593	714	860	1004	1055	1113	1415	2004	2700
-30°	333	442	556	660	790	914	988	1054	1136	1579	2130
-32.5°	313	406	516	617	726	835	939	1012	1078	1198	1634
-35°	289	377	475	573	665	771	879	975	1029	1085	1277
-37.5°	270	345	433	528	616	712	817	918	992	1043	1116
-40°	249	311	394	481	567	654	751	849	942	1020	1079
-42.5°	226	286	356	434	516	598	682	775	874	975	1051
-45°	202	260	318	391	464	540	619	701	800	897	994
-47.5°	175	232	288	347	415	483	553	636	724	816	906
-50°	147	200	257	311	368	428	491	573	656	736	817
-52.5°	121	167	221	276	326	379	439	511	589	666	739
-55°	93	136	182	235	287	335	391	455	521	594	664
-57.5°	72	105	145	190	241	293	347	401	461	523	583
-60°	54	77	109	147	189	240	299	353	404	454	509
-62.5°	37	56	78	105	141	183	233	289	348	393	437
-65°	33	38	54	74	94	129	169	212	263	308	356
-67.5°	29	34	38	46	65	84	104	140	178	211	245
-70°	26	29	33	37	42	50	67	84	102	121	149
-72.5°	24	26	29	31	35	39	43	46	57	70	83
-75°	21	24	26	28	30	32	35	38	41	45	48
-77.5°	19	21	23	25	26	28	29	31	33	35	37
-80°	17	18	19	20	22	23	24	25	26	27	29
-82.5°	16	16	16	17	18	19	20	21	21	22	23
-85°	14	14	14	15	15	15	16	16	17	17	18
-87.5°	12	12	12	12	13	13	13	13	14	14	14
-90°	6	6	6	6	6	6	6	6	6	5	5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14	14	14	14	14	17	20	23	26	30	35
87.5°	4	4	4	4	4	3	3	2	2	2	1
85°	4	4	4	4	4	4	3	3	2	2	2
82.5°	4	4	4	4	4	4	3	3	2	2	2
80°	5	5	4	4	4	4	3	3	2	2	2
77.5°	6	6	5	5	4	4	4	4	4	3	3
75°	6	6	6	6	5	5	5	4	4	4	4
72.5°	12	12	11	11	10	9	9	8	7	7	7
70°	22	22	21	19	16	14	13	11	10	10	10
67.5°	32	29	26	23	19	16	14	13	11	10	10
65°	37	30	26	22	20	17	14	12	10	9	9
62.5°	35	26	21	17	15	14	12	10	9	8	8
60°	29	19	15	13	12	10	9	9	8	7	7
57.5°	23	16	12	11	11	10	9	8	8	7	8
55°	17	14	12	12	12	11	10	10	10	9	10
52.5°	15	15	15	15	14	13	12	12	12	12	13
50°	17	17	17	16	15	15	14	15	16	16	17
47.5°	20	20	21	19	20	21	21	22	24	26	27
45°	26	28	28	29	30	33	34	35	41	44	45
42.5°	37	40	43	47	47	54	64	69	69	67	67
40°	54	60	73	80	88	97	98	87	87	98	97
37.5°	83	104	123	139	143	138	140	148	158	159	164
35°	141	182	192	205	219	205	204	217	212	235	251
32.5°	243	302	320	336	374	352	290	380	360	385	423
30°	387	503	581	604	614	617	675	727	768	823	900
27.5°	733	810	940	1012	921	959	1109	1136	1290	1458	1596
25°	1115	1201	1432	1461	1384	1525	1670	1700	1972	2170	2644
22.5°	1460	1605	1851	1921	1985	2152	2320	2521	3135	3897	5278
20°	1752	1914	2155	2349	2508	2721	2917	3604	4926	7819	10965
17.5°	2106	2206	2504	2764	3013	3318	4186	5919	9748	16050	22023
15°	2583	2781	2966	3248	3713	4600	6515	12161	20170	31163	44779
12.5°	3132	3406	3662	3901	4569	6661	12771	22561	36025	53684	80406
10°	3623	4041	4356	4773	6065	10134	19566	33407	57065	88267	123140
7.5°	3963	4460	4885	5505	7612	14505	27563	49117	82747	124789	171831
5°	4287	4848	5265	6027	8635	17542	33624	62212	107883	163435	223833
2.5°	4594	5190	5600	6495	9281	18926	36162	70353	124142	189944	261676
0°	4878	5442	5870	6715	9827	20255	38322	72977	129635	197749	273196
-2.5°	4825	5244	5718	6565	9308	18830	35805	69894	123186	188432	257830
-5°	4806	5146	5574	6342	8667	16270	31800	62934	112619	171419	236057
-7.5°	4820	5090	5425	6060	7892	13756	27649	54556	95595	145379	203750
-10°	4850	5059	5399	5957	7240	10995	20925	42033	75162	114759	160242
-12.5°	4903	5184	5525	5904	6584	8758	16457	32629	55572	83391	117999
-15°	4885	5248	5632	5867	6237	7447	10674	21544	38451	56901	77846
-17.5°	4753	5188	5357	5539	5764	6360	8161	12994	22621	34744	46527
-20°	4448	4668	4879	5096	5345	5674	6235	8117	10936	17815	23566



REPORT NUMBER: P1305742 (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°	3875	4086	4269	4621	4873	5115	5423	5831	6915	8618	11449
-25°	3383	3513	3771	4182	4452	4597	4790	4945	5317	5712	6690
-27.5°	2990	3185	3503	3862	4122	4238	4340	4431	4664	4826	5104
-30°	2679	2995	3293	3622	3860	3999	4042	4173	4325	4441	4553
-32.5°	2232	2789	3060	3333	3602	3772	3889	3992	4135	4224	4268
-35°	1752	2322	2855	3038	3234	3479	3678	3783	3877	3962	4016
-37.5°	1322	1789	2285	2732	2941	3124	3414	3589	3675	3802	3874
-40°	1147	1279	1703	2120	2497	2914	3195	3466	3733	3897	4003
-42.5°	1107	1162	1212	1505	1881	2258	2674	3132	3516	3805	4073
-45°	1076	1117	1157	1203	1247	1536	1861	2203	2644	3071	3440
-47.5°	994	1072	1117	1152	1188	1228	1264	1342	1639	1954	2254
-50°	900	978	1047	1111	1157	1188	1211	1242	1277	1309	1338
-52.5°	809	884	954	1023	1089	1149	1204	1239	1266	1290	1304
-55°	732	796	859	928	995	1059	1119	1173	1224	1272	1299
-57.5°	647	711	774	837	899	957	1015	1072	1126	1175	1205
-60°	564	617	680	745	806	863	921	976	1027	1070	1096
-62.5°	485	535	587	645	708	769	821	873	925	969	1000
-65°	402	444	486	532	580	630	681	732	781	822	851
-67.5°	285	326	366	407	444	481	520	560	600	632	658
-70°	175	201	226	252	283	315	348	379	407	428	444
-72.5°	95	105	118	137	156	175	195	214	232	245	255
-75°	52	57	65	72	80	88	97	105	113	120	127
-77.5°	39	42	44	46	47	50	54	57	61	65	70
-80°	31	32	33	34	35	37	40	42	44	46	48
-82.5°	24	24	25	25	26	27	28	30	31	33	36
-85°	18	18	19	19	19	20	21	22	24	25	27
-87.5°	14	14	15	15	16	17	17	18	18	20	21
-90°	4	4	3	3	2	2	2	2	2	2	1



REPORT NUMBER: P1305742 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-70-2S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	39	44	47	50	47	44	39	35	30	26	23
87.5°	1	0	0	0	0	0	1	1	2	2	2
85°	2	2	2	2	2	2	2	2	2	2	3
82.5°	2	2	2	2	2	2	2	2	2	2	3
80°	2	2	2	2	2	2	2	2	2	2	3
77.5°	3	2	2	2	2	2	3	3	3	4	4
75°	4	4	4	4	4	4	4	4	4	4	4
72.5°	6	6	6	6	6	6	6	7	7	7	8
70°	10	10	10	10	10	10	10	10	10	10	11
67.5°	10	10	9	8	9	10	10	10	10	11	13
65°	9	10	9	8	9	10	9	9	9	10	12
62.5°	8	8	8	8	8	8	8	8	8	9	10
60°	7	8	8	8	8	8	7	7	7	8	9
57.5°	8	8	9	10	9	8	8	8	7	8	8
55°	10	10	10	10	10	10	10	10	9	10	10
52.5°	13	14	14	14	14	14	13	13	12	12	12
50°	17	18	17	16	17	18	17	17	16	16	15
47.5°	29	29	29	28	29	29	29	27	26	24	22
45°	46	46	46	46	46	46	46	45	44	41	35
42.5°	69	69	70	70	70	69	69	67	67	69	69
40°	99	100	98	96	98	100	99	97	98	87	87
37.5°	172	176	175	172	175	176	172	164	159	158	148
35°	257	254	248	248	248	254	257	251	235	212	217
32.5°	401	416	420	422	420	416	401	423	385	360	380
30°	955	926	798	759	798	926	955	900	823	768	727
27.5°	1696	1788	1871	1879	1871	1788	1696	1596	1458	1290	1136
25°	3133	3440	3570	3553	3570	3440	3133	2644	2170	1972	1700
22.5°	6912	7962	8509	8528	8509	7962	6912	5278	3897	3135	2521
20°	15081	17616	18256	18065	18256	17616	15081	10965	7819	4926	3604
17.5°	31096	38595	43714	44066	43714	38595	31096	22023	16050	9748	5919
15°	60523	74306	81454	82669	81454	74306	60523	44779	31163	20170	12161
12.5°	105728	126708	138381	140379	138381	126708	105728	80406	53684	36025	22561
10°	161269	190531	209557	218146	209557	190531	161269	123140	88267	57065	33407
7.5°	218259	264358	302005	310541	302005	264358	218259	171831	124789	82747	49117
5°	288762	350574	386728	395077	386728	350574	288762	223833	163435	107883	62212
2.5°	341044	407503	445396	466219	445396	407503	341044	261676	189944	124142	70353
0°	357269	417742	463297	496053	463297	417742	357269	273196	197749	129635	72977
-2.5°	335308	399428	432483	450899	432483	399428	335308	257830	188432	123186	69894
-5°	300371	359311	395360	406473	395360	359311	300371	236057	171419	112619	62934
-7.5°	254598	297640	324637	338250	324637	297640	254598	203750	145379	95595	54556
-10°	205052	237719	257857	265388	257857	237719	205052	160242	114759	75162	42033
-12.5°	150188	176207	191677	197646	191677	176207	150188	117999	83391	55572	32629
-15°	99131	117887	129787	133942	129787	117887	99131	77846	56901	38451	21544
-17.5°	60083	70436	78139	80083	78139	70436	60083	46527	34744	22621	12994
-20°	31795	36454	39056	40816	39056	36454	31795	23566	17815	10936	8117



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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°	15073	17610	18780	19672	18780	17610	15073	11449	8618	6915	5831
-25°	7544	8068	8297	8616	8297	8068	7544	6690	5712	5317	4945
-27.5°	5291	5414	5463	5502	5463	5414	5291	5104	4826	4664	4431
-30°	4611	4631	4628	4625	4628	4631	4611	4553	4441	4325	4173
-32.5°	4316	4338	4336	4333	4336	4338	4316	4268	4224	4135	3992
-35°	4051	4079	4093	4099	4093	4079	4051	4016	3962	3877	3783
-37.5°	3915	3921	3905	3887	3905	3921	3915	3874	3802	3675	3589
-40°	4055	4150	4246	4275	4246	4150	4055	4003	3897	3733	3466
-42.5°	4161	4222	4250	4241	4250	4222	4161	4073	3805	3516	3132
-45°	3684	3873	3985	4013	3985	3873	3684	3440	3071	2644	2203
-47.5°	2505	2717	2851	2894	2851	2717	2505	2254	1954	1639	1342
-50°	1366	1392	1401	1393	1401	1392	1366	1338	1309	1277	1242
-52.5°	1319	1335	1345	1351	1345	1335	1319	1304	1290	1266	1239
-55°	1322	1343	1354	1359	1354	1343	1322	1299	1272	1224	1173
-57.5°	1231	1254	1265	1269	1265	1254	1231	1205	1175	1126	1072
-60°	1120	1142	1151	1153	1151	1142	1120	1096	1070	1027	976
-62.5°	1028	1054	1065	1069	1065	1054	1028	1000	969	925	873
-65°	876	898	906	907	906	898	876	851	822	781	732
-67.5°	681	700	707	709	707	700	681	658	632	600	560
-70°	456	466	470	470	470	466	456	444	428	407	379
-72.5°	263	268	270	270	270	268	263	255	245	232	214
-75°	133	138	140	140	140	138	133	127	120	113	105
-77.5°	75	79	80	80	80	79	75	70	65	61	57
-80°	50	52	52	52	52	52	50	48	46	44	42
-82.5°	38	40	40	40	40	40	38	36	33	31	30
-85°	28	30	31	32	31	30	28	27	25	24	22
-87.5°	23	24	25	26	25	24	23	21	20	18	18
-90°	0	0	0	0	0	0	1	1	2	2	2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20	17	14	14	14	14	14	13	13	13	12
87.5°	3	3	4	4	4	4	4	5	5	6	6
85°	3	4	4	4	4	4	4	5	5	6	6
82.5°	3	4	4	4	4	4	4	5	5	6	6
80°	3	4	4	4	4	5	5	5	5	6	6
77.5°	4	4	4	5	5	6	6	7	7	7	7
75°	5	5	5	6	6	6	6	7	7	8	8
72.5°	9	9	10	11	11	12	12	11	10	9	8
70°	13	14	16	19	21	22	22	21	18	16	13
67.5°	14	16	19	23	26	29	32	35	35	32	23
65°	14	17	20	22	26	30	37	41	44	45	37
62.5°	12	14	15	17	21	26	35	42	49	50	42
60°	9	10	12	13	15	19	29	39	50	48	43
57.5°	9	10	11	11	12	16	23	32	43	42	40
55°	10	11	12	12	12	14	17	23	32	34	33
52.5°	12	13	14	15	15	15	15	18	21	24	26
50°	14	15	15	16	17	17	17	17	18	20	20
47.5°	21	21	20	19	21	20	20	20	21	20	20
45°	34	33	30	29	28	28	26	27	27	26	22
42.5°	64	54	47	47	43	40	37	37	36	34	32
40°	98	97	88	80	73	60	54	49	47	44	44
37.5°	140	138	143	139	123	104	83	68	59	65	64
35°	204	205	219	205	192	182	141	102	88	98	91
32.5°	290	352	374	336	320	302	243	168	157	150	133
30°	675	617	614	604	581	503	387	383	314	220	189
27.5°	1109	959	921	1012	940	810	733	727	550	379	265
25°	1670	1525	1384	1461	1432	1201	1115	1098	949	598	360
22.5°	2320	2152	1985	1921	1851	1605	1460	1448	1387	860	539
20°	2917	2721	2508	2349	2155	1914	1752	1726	1559	1157	726
17.5°	4186	3318	3013	2764	2504	2206	2106	1994	1771	1412	906
15°	6515	4600	3713	3248	2966	2781	2583	2344	2018	1614	1154
12.5°	12771	6661	4569	3901	3662	3406	3132	2774	2331	1952	1532
10°	19566	10134	6065	4773	4356	4041	3623	3153	2699	2329	1916
7.5°	27563	14505	7612	5505	4885	4460	3963	3467	3022	2674	2298
5°	33624	17542	8635	6027	5265	4848	4287	3741	3306	2993	2667
2.5°	36162	18926	9281	6495	5600	5190	4594	3978	3524	3195	2870
0°	38322	20255	9827	6715	5870	5442	4878	4185	3707	3364	3040
-2.5°	35805	18830	9308	6565	5718	5244	4825	4303	3808	3428	3039
-5°	31800	16270	8667	6342	5574	5146	4806	4391	3889	3480	2991
-7.5°	27649	13756	7892	6060	5425	5090	4820	4449	3960	3573	3011
-10°	20925	10995	7240	5957	5399	5059	4850	4474	4023	3650	2969
-12.5°	16457	8758	6584	5904	5525	5184	4903	4452	4083	3713	2860
-15°	10674	7447	6237	5867	5632	5248	4885	4358	3975	3677	2679
-17.5°	8161	6360	5764	5539	5357	5188	4753	4208	3747	3319	2289
-20°	6235	5674	5345	5096	4879	4668	4448	3923	3458	2795	1893



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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°	5423	5115	4873	4621	4269	4086	3875	3497	3105	2257	1510
-25°	4790	4597	4452	4182	3771	3513	3383	3109	2549	1781	1188
-27.5°	4340	4238	4122	3862	3503	3185	2990	2700	2004	1415	1113
-30°	4042	3999	3860	3622	3293	2995	2679	2130	1579	1136	1054
-32.5°	3889	3772	3602	3333	3060	2789	2232	1634	1198	1078	1012
-35°	3678	3479	3234	3038	2855	2322	1752	1277	1085	1029	975
-37.5°	3414	3124	2941	2732	2285	1789	1322	1116	1043	992	918
-40°	3195	2914	2497	2120	1703	1279	1147	1079	1020	942	849
-42.5°	2674	2258	1881	1505	1212	1162	1107	1051	975	874	775
-45°	1861	1536	1247	1203	1157	1117	1076	994	897	800	701
-47.5°	1264	1228	1188	1152	1117	1072	994	906	816	724	636
-50°	1211	1188	1157	1111	1047	978	900	817	736	656	573
-52.5°	1204	1149	1089	1023	954	884	809	739	666	589	511
-55°	1119	1059	995	928	859	796	732	664	594	521	455
-57.5°	1015	957	899	837	774	711	647	583	523	461	401
-60°	921	863	806	745	680	617	564	509	454	404	353
-62.5°	821	769	708	645	587	535	485	437	393	348	289
-65°	681	630	580	532	486	444	402	356	308	263	212
-67.5°	520	481	444	407	366	326	285	245	211	178	140
-70°	348	315	283	252	226	201	175	149	121	102	84
-72.5°	195	175	156	137	118	105	95	83	70	57	46
-75°	97	88	80	72	65	57	52	48	45	41	38
-77.5°	54	50	47	46	44	42	39	37	35	33	31
-80°	40	37	35	34	33	32	31	29	27	26	25
-82.5°	28	27	26	25	25	24	24	23	22	21	21
-85°	21	20	19	19	19	18	18	18	17	17	16
-87.5°	17	17	16	15	15	14	14	14	14	14	13
-90°	2	2	2	3	3	4	4	5	5	6	6



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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°	12	11	11	10	10	10	10	10	10	10	10
87.5°	6	6	6	6	6	7	7	7	7	7	8
85°	6	6	6	6	7	7	7	8	8	8	8
82.5°	6	6	6	6	7	7	8	8	8	8	8
80°	6	6	6	6	7	7	8	8	8	8	8
77.5°	7	6	6	6	7	7	8	8	8	8	8
75°	8	8	7	7	7	7	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	8	8	8
70°	11	8	8	8	8	8	8	8	8	8	8
67.5°	15	12	10	8	8	8	8	8	8	8	8
65°	27	18	12	10	8	8	8	8	9	8	8
62.5°	34	26	18	12	9	8	8	9	9	9	8
60°	38	30	24	17	12	8	8	9	9	9	9
57.5°	35	32	27	22	16	10	8	9	9	10	9
55°	30	28	29	25	19	14	9	9	9	10	10
52.5°	25	26	28	27	23	17	12	9	9	10	10
50°	21	25	27	28	25	19	14	11	9	10	10
47.5°	20	24	27	29	27	22	16	12	10	10	10
45°	24	26	28	29	29	24	18	13	11	10	10
42.5°	29	30	30	30	29	25	20	15	11	10	10
40°	41	36	35	35	31	25	21	16	12	11	10
37.5°	53	46	41	44	35	28	21	17	13	11	10
35°	76	59	56	57	47	31	21	18	15	12	11
32.5°	103	87	83	73	62	36	23	20	17	13	11
30°	152	139	120	92	80	50	28	22	19	14	11
27.5°	228	199	167	125	97	67	35	24	22	16	12
25°	307	268	224	167	117	90	41	27	24	18	13
22.5°	396	339	287	215	147	117	53	32	26	19	14
20°	486	410	356	269	189	142	73	37	28	21	15
17.5°	587	499	438	332	234	170	95	42	31	23	16
15°	791	609	525	401	278	200	117	46	33	25	17
12.5°	1038	718	616	475	320	231	140	50	36	27	17
10°	1311	824	709	551	359	262	163	56	39	28	18
7.5°	1595	928	803	626	401	304	208	68	44	30	19
5°	1854	1024	897	716	465	356	258	79	48	31	19
2.5°	1987	1107	987	802	527	405	306	91	52	33	20
0°	2083	1185	1071	881	586	452	350	102	56	34	20
-2.5°	2052	1205	1094	918	649	500	388	132	73	44	25
-5°	1989	1221	1113	949	706	545	419	160	90	54	29
-7.5°	1961	1229	1124	973	758	586	443	186	105	63	33
-10°	1900	1231	1126	972	762	602	456	208	119	70	37
-12.5°	1782	1230	1127	962	752	595	438	222	131	77	40
-15°	1602	1227	1127	942	736	585	419	230	140	83	42
-17.5°	1346	1223	1128	912	713	571	398	235	148	89	45
-20°	1247	1190	1122	871	684	554	378	238	154	93	48



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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°	1188	1133	1035	833	654	533	358	237	158	95	49
-25°	1121	1074	944	773	628	503	347	234	160	96	49
-27.5°	1055	1004	860	714	593	476	342	236	160	95	47
-30°	988	914	790	660	556	442	333	234	158	93	44
-32.5°	939	835	726	617	516	406	313	230	154	90	43
-35°	879	771	665	573	475	377	289	224	148	84	41
-37.5°	817	712	616	528	433	345	270	206	139	76	39
-40°	751	654	567	481	394	311	249	187	128	65	35
-42.5°	682	598	516	434	356	286	226	167	110	58	31
-45°	619	540	464	391	318	260	202	145	91	52	27
-47.5°	553	483	415	347	288	232	175	122	71	44	26
-50°	491	428	368	311	257	200	147	99	61	35	25
-52.5°	439	379	326	276	221	167	121	76	49	31	23
-55°	391	335	287	235	182	136	93	62	37	28	21
-57.5°	347	293	241	190	145	105	72	47	32	26	20
-60°	299	240	189	147	109	77	54	35	29	23	19
-62.5°	233	183	141	105	78	56	37	31	26	22	18
-65°	169	129	94	74	54	38	33	28	24	20	16
-67.5°	104	84	65	46	38	34	29	25	22	18	15
-70°	67	50	42	37	33	29	26	23	20	17	14
-72.5°	43	39	35	31	29	26	24	21	19	16	13
-75°	35	32	30	28	26	24	21	20	17	15	13
-77.5°	29	28	26	25	23	21	19	18	16	14	12
-80°	24	23	22	20	19	18	17	17	15	13	11
-82.5°	20	19	18	17	16	16	16	15	13	12	11
-85°	16	15	15	15	14	14	14	13	12	11	11
-87.5°	13	13	13	12	12	12	12	12	11	11	10
-90°	6	6	6	6	6	6	6	6	7	7	8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10	9	9	9	8	8	8
87.5°	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8
70°	8	8	8	8	8	8	8
67.5°	8	8	8	8	8	8	8
65°	8	8	8	8	8	8	8
62.5°	8	8	8	8	8	8	8
60°	8	8	8	8	8	8	8
57.5°	9	9	8	8	8	8	8
55°	9	9	8	8	8	8	8
52.5°	9	9	9	8	8	8	8
50°	10	9	9	8	8	8	8
47.5°	10	9	9	8	8	8	8
45°	10	10	9	8	8	8	8
42.5°	10	10	10	8	8	8	8
40°	10	10	10	9	8	8	8
37.5°	10	10	10	9	8	8	8
35°	10	10	10	9	9	8	8
32.5°	10	10	10	9	9	8	8
30°	10	10	10	9	9	8	8
27.5°	10	10	10	10	9	8	8
25°	11	10	10	10	9	8	8
22.5°	11	10	10	10	9	8	8
20°	11	10	10	10	9	8	8
17.5°	12	10	10	10	9	8	8
15°	12	11	10	10	9	8	8
12.5°	12	11	10	10	9	8	8
10°	13	11	10	10	10	8	8
7.5°	13	11	10	10	10	8	8
5°	13	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°	16	12	10	10	10	8	8
-5°	17	13	10	10	10	8	8
-7.5°	19	13	11	10	10	8	8
-10°	20	14	11	10	10	8	8
-12.5°	21	14	11	11	10	8	8
-15°	22	14	11	11	10	8	8
-17.5°	22	14	11	11	10	8	8
-20°	23	14	11	11	10	8	8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24	14	12	11	10	8	8
-25°	24	15	12	11	10	8	8
-27.5°	24	15	12	11	10	8	8
-30°	23	15	12	11	10	8	8
-32.5°	22	15	12	11	10	8	8
-35°	21	15	12	11	10	8	8
-37.5°	21	15	13	11	10	8	8
-40°	21	15	13	11	10	8	8
-42.5°	20	15	13	10	10	8	8
-45°	19	15	12	10	10	9	8
-47.5°	18	15	12	10	10	8	8
-50°	18	14	12	10	10	8	8
-52.5°	17	14	12	10	10	8	8
-55°	17	14	11	10	10	8	8
-57.5°	16	13	11	10	10	8	8
-60°	15	13	11	10	10	8	8
-62.5°	14	12	11	10	10	8	8
-65°	14	12	11	10	10	8	8
-67.5°	13	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	10	9	9	8	8
-82.5°	10	10	10	9	9	8	8
-85°	10	10	9	9	8	8	8
-87.5°	10	10	9	9	8	8	8
-90°	8	8	8	8	8	8	8

(END OF REPORT)