

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge
or Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 768872

Luminaire Tested: **CLB25SXX3314X**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768872
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CLB25SXX3314X
Description: GENERATIONS POST TOP
W/TALL SPUN TOP & CAGE
Light Source: 250 WATT HPS CLEAR E-18
Ballast/Driver: -

Summary

Lumens per Lamp: 27500 (1 lamp)
Luminaire Lumens: 12560.2 lumens
Efficiency: 45.7%
Efficacy: 50.2 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B4 - U3 - G5

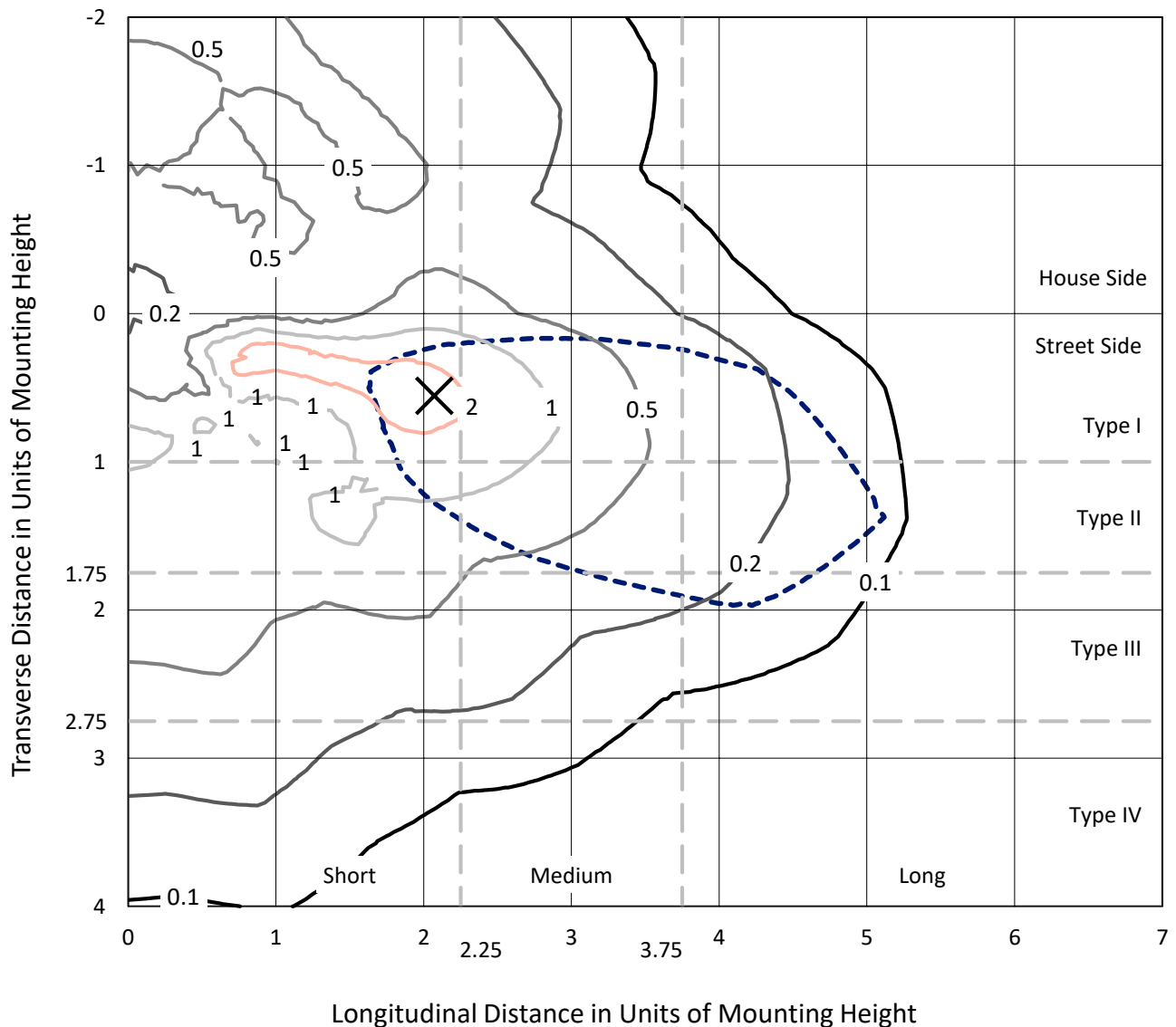
Input Watts (W): 250
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

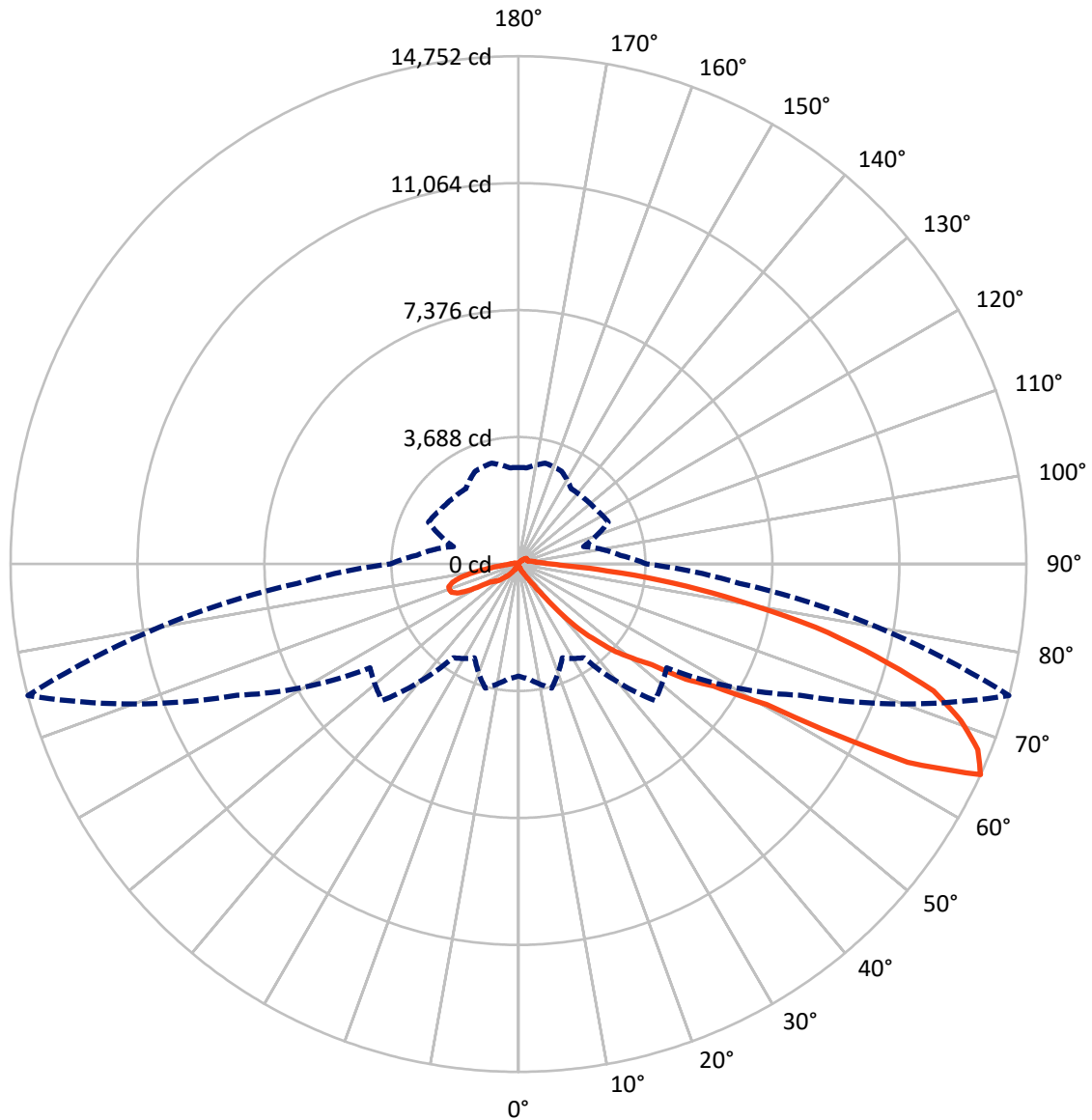
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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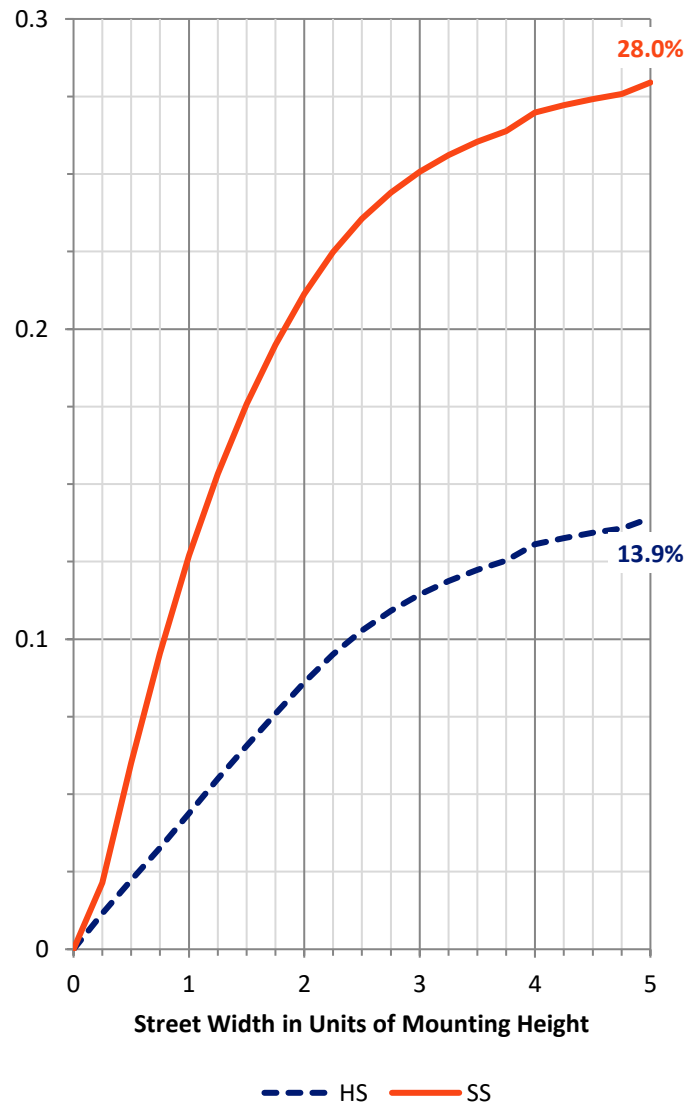
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3953.2	266.9	4220.1
	% Lamp	14.4	1.0	15.3
Street Side	Lumens	7916.1	423.9	8340.0
	% Lamp	28.8	1.5	30.3
Total	Lumens	11869.3	690.9	12560.2
	% Lamp	43.2	2.5	45.7

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	6.6	0.1	0.0
10°-20°	28.3	0.2	0.1
20°-30°	81.8	0.7	0.3
30°-40°	275.7	2.2	1.0
40°-50°	730.6	5.8	2.7
50°-60°	1396.7	11.1	5.1
60°-70°	4004.1	31.9	14.6
70°-80°	4136.3	32.9	15.0
80°-90°	1209.2	9.6	4.4
90°-100°	301.5	2.4	1.1
100°-110°	176.4	1.4	0.6
110°-120°	105.9	0.8	0.4
120°-130°	64.5	0.5	0.2
130°-140°	36.0	0.3	0.1
140°-150°	14.8	0.1	0.1
150°-160°	3.1	0.0	0.0
160°-170°	0.1	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	11869.3	94.5	43.2
0°-180°	12560.2	100.0	45.7

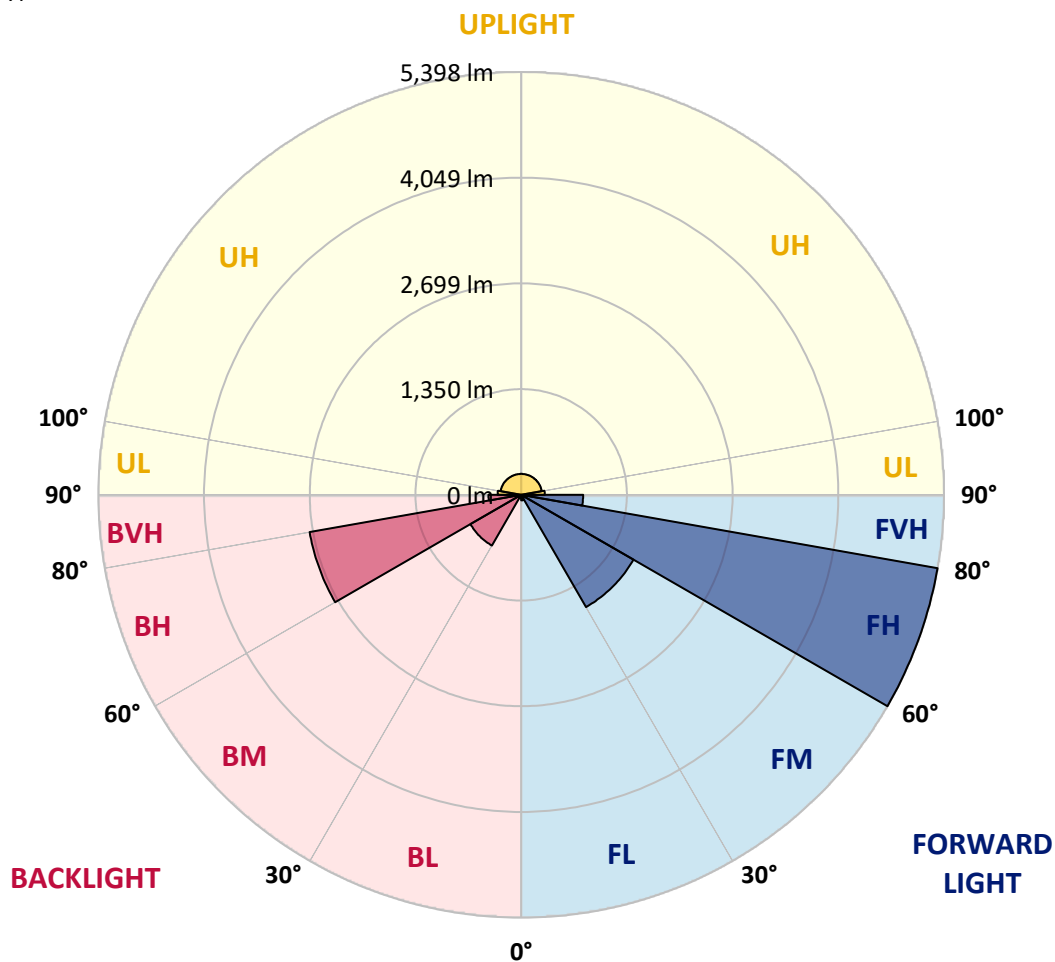


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.3	0.3			
FM (30°-60°)	1655.2	6.0			
FH (60°-80°)	5398.3	19.6			G3/7500
FVH (80°-90°)	791.3	2.9			G5
BL (0°-30°)	45.5	0.2	B0/110		
BM (30°-60°)	747.7	2.7	B1/1000		
BH (60°-80°)	2742.1	10.0	B4/5000		G4/5000
BVH (80°-90°)	417.9	1.5			G3/500
UL (90°-100°)	301.5	1.1		U3/500	
UH (100°-180°)	266.9	1.0		U3/500	
Trapped Light	14939.8	54.3			

BUG Rating: B4-U3-G5
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	73	73	73	73	73	73	73	73	73	73	73
2.5°	73	73	77	82	82	73	73	77	73	73	77
5°	73	86	82	77	82	86	82	77	73	68	64
7.5°	82	86	86	86	86	86	86	82	77	68	59
10°	91	91	95	95	100	100	100	95	86	77	73
12.5°	109	105	105	105	109	118	114	105	95	95	82
15°	118	114	114	114	123	127	132	123	109	95	91
17.5°	118	118	114	114	118	141	136	127	109	105	100
20°	127	127	123	118	123	141	145	141	127	118	105
22.5°	155	155	136	141	150	155	186	218	168	136	118
25°	236	227	191	186	195	186	241	332	223	155	132
27.5°	300	277	227	223	232	205	282	473	282	177	145
30°	355	332	268	245	273	205	327	636	336	191	159
32.5°	473	441	355	318	355	227	436	964	505	227	186
35°	609	577	473	400	473	268	500	1291	718	273	218
37.5°	827	809	682	541	691	318	664	1768	1123	350	264
40°	1082	1100	936	718	973	500	886	2318	1828	446	323
42.5°	1273	1305	1123	850	1159	832	1064	2405	2600	546	400
45°	1218	1227	1073	823	1077	1050	991	1941	3160	564	414
47.5°	1200	1173	1050	809	1050	1305	996	1655	3801	596	436
50°	1318	1255	1127	891	1137	1509	1096	1646	4301	746	505
52.5°	1509	1427	1237	1005	1268	1787	1259	1832	4855	968	641
55°	1737	1641	1391	1141	1455	2137	1446	2137	5901	1355	864
57.5°	1737	1678	1477	1232	1537	2323	1518	2400	6678	1946	1209
60°	2028	2014	1909	1618	1955	3123	2209	3682	8287	2909	1868
62.5°	2782	2841	2973	2473	2887	4742	3932	6855	12693	4742	2814
65°	3255	3346	3732	3009	3323	5610	5260	9019	14752	6442	3719
67.5°	3346	3405	3969	3182	3373	5892	5810	9774	14393	7446	4255
70°	3355	3369	4019	3205	3328	5855	5792	9897	13634	8215	4582
72.5°	3219	3205	3887	3100	3182	5387	5528	9592	12611	8592	4773
75°	2855	2805	3450	2787	2800	4319	4760	8578	10738	8092	4542
77.5°	2428	2369	2950	2419	2337	3187	3791	7437	8824	6760	3878
80°	1828	1755	2241	1832	1732	2068	2455	5569	6474	4937	2887
82.5°	1300	1209	1577	1259	1168	1287	1318	3901	4532	3200	1878
85°	782	691	909	741	673	700	632	2246	2591	1705	1037
87.5°	455	405	527	455	418	436	414	1155	1300	964	636
90°	346	314	400	364	336	341	341	759	846	677	464
95°	227	218	259	250	227	223	227	468	532	418	277
105°	155	145	159	159	132	132	105	245	305	218	141
115°	91	91	95	95	91	86	50	191	268	136	82
125°	55	55	59	59	59	64	36	145	282	86	45
135°	45	45	41	41	36	36	32	186	145	27	27
145°	27	32	27	27	18	14	41	127	45	14	9
155°	9	5	0	0	0	0	9	14	5	0	0
165°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73	73	73	73	73	73	73	73	73	73
2.5°	77	73	73	68	68	68	64	68	64	64
5°	55	59	59	50	45	45	41	45	45	45
7.5°	59	55	55	55	50	50	45	50	45	45
10°	68	68	64	59	64	59	59	55	55	55
12.5°	86	77	73	73	73	73	73	73	73	73
15°	91	86	86	82	82	86	77	82	86	91
17.5°	95	95	91	86	91	91	95	91	95	91
20°	100	95	100	100	100	100	100	105	105	100
22.5°	109	105	109	109	114	114	114	114	109	109
25°	127	123	127	132	136	136	136	136	132	136
27.5°	132	136	145	145	155	155	159	150	155	155
30°	150	150	159	164	168	168	173	168	168	164
32.5°	177	182	200	195	200	191	200	200	200	200
35°	209	218	245	236	241	241	241	236	245	236
37.5°	259	277	314	295	300	300	309	305	314	309
40°	318	364	400	368	377	377	396	405	405	400
42.5°	386	455	514	482	496	491	514	514	514	518
45°	409	514	586	564	577	577	596	577	568	573
47.5°	441	596	668	641	650	668	677	636	596	591
50°	518	723	782	755	759	782	773	718	650	655
52.5°	646	805	932	905	896	932	923	809	750	755
55°	732	864	1050	1009	1027	1055	1118	941	909	909
57.5°	868	959	1173	1114	1173	1173	1264	1096	1050	1055
60°	1332	1196	1573	1468	1500	1473	1664	1496	1391	1382
62.5°	2132	1646	2300	2191	2173	2128	2405	2318	2173	2173
65°	2959	1955	2882	2755	2696	2669	2973	3032	2805	2800
67.5°	3432	2105	3219	3041	2996	3005	3319	3455	3132	3173
70°	3682	2137	3269	3105	3046	3100	3437	3569	3305	3364
72.5°	3705	2128	3150	3019	2955	3046	3323	3500	3341	3373
75°	3378	1982	2823	2750	2659	2759	2991	3219	3123	3073
77.5°	2755	1705	2341	2314	2237	2309	2537	2755	2705	2609
80°	1950	1277	1646	1646	1587	1641	1823	2018	2014	1918
82.5°	1177	809	991	977	927	973	1096	1246	1291	1255
85°	655	486	573	518	491	523	605	686	727	718
87.5°	423	323	368	350	327	346	377	423	427	418
90°	323	245	273	273	268	273	295	323	318	300
95°	195	164	186	191	191	195	218	236	232	218
105°	105	100	127	118	132	136	155	164	159	155
115°	55	55	82	86	86	86	91	95	82	82
125°	27	41	50	45	50	55	59	50	50	45
135°	23	23	27	23	32	32	32	27	27	27
145°	9	0	9	9	5	9	9	9	9	9
155°	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
175°	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)