

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: INVUE

Report Number: TEST NO. NITE 126-03

Luminaire Tested:

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: TEST NO. NITE 126-03  
LUM. PARA ALUMB. PÚBLICO TIPO OV, MCA. COOPER LIGHTING, MOD. EVA, CAT.  
Test Lab:  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number:  
Description:  
Light Source: -  
Ballast/Driver: -

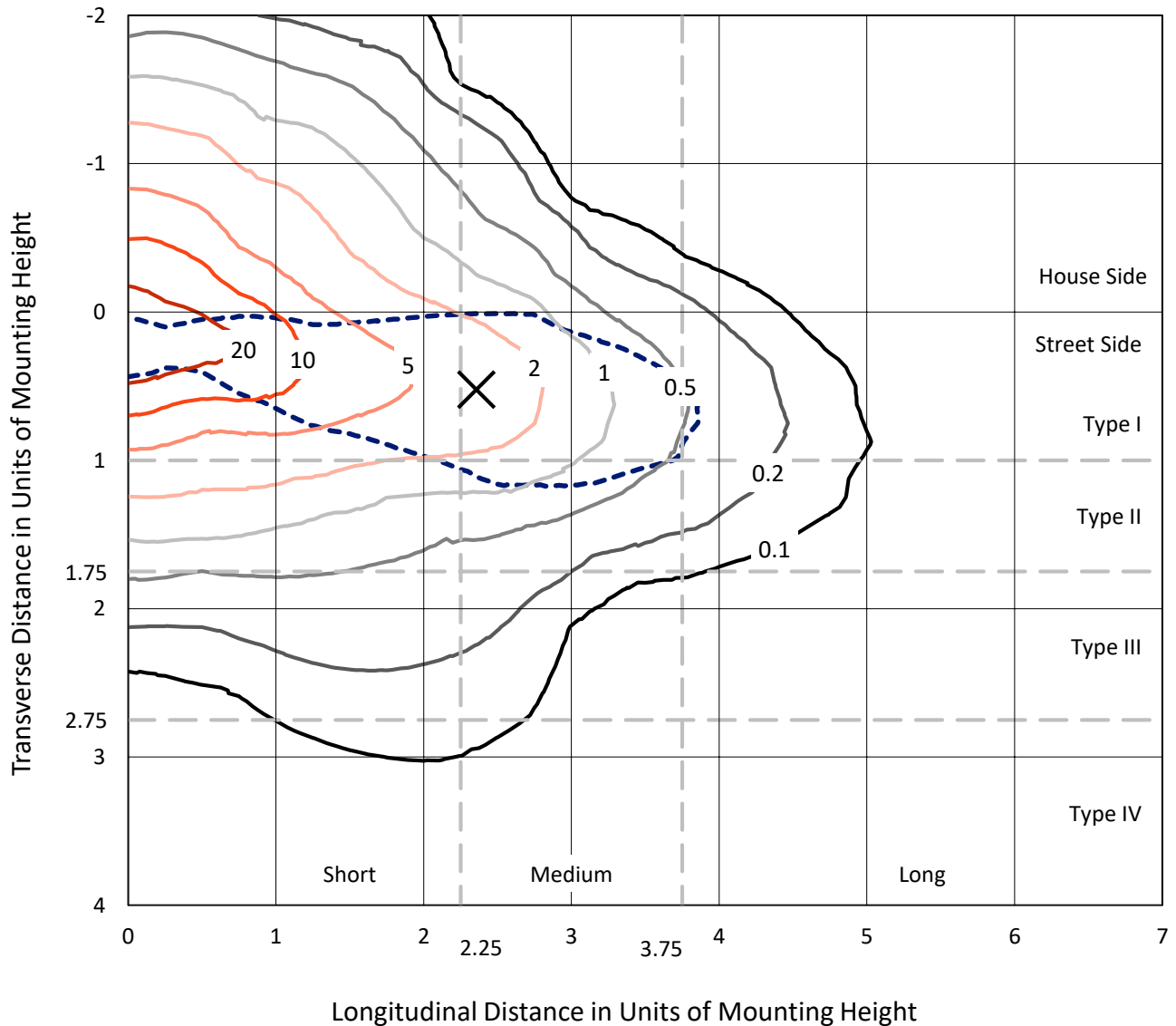
**Summary**

Lumens per Lamp: 10700 (1 lamp)  
Luminaire Lumens: 8146.1 lumens  
Efficiency: 76.1%  
Efficacy: 81.5 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B2 - U1 - G1  
  
Input Watts (W): 100  
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-Footcandle Lines of Horizontal Illumination

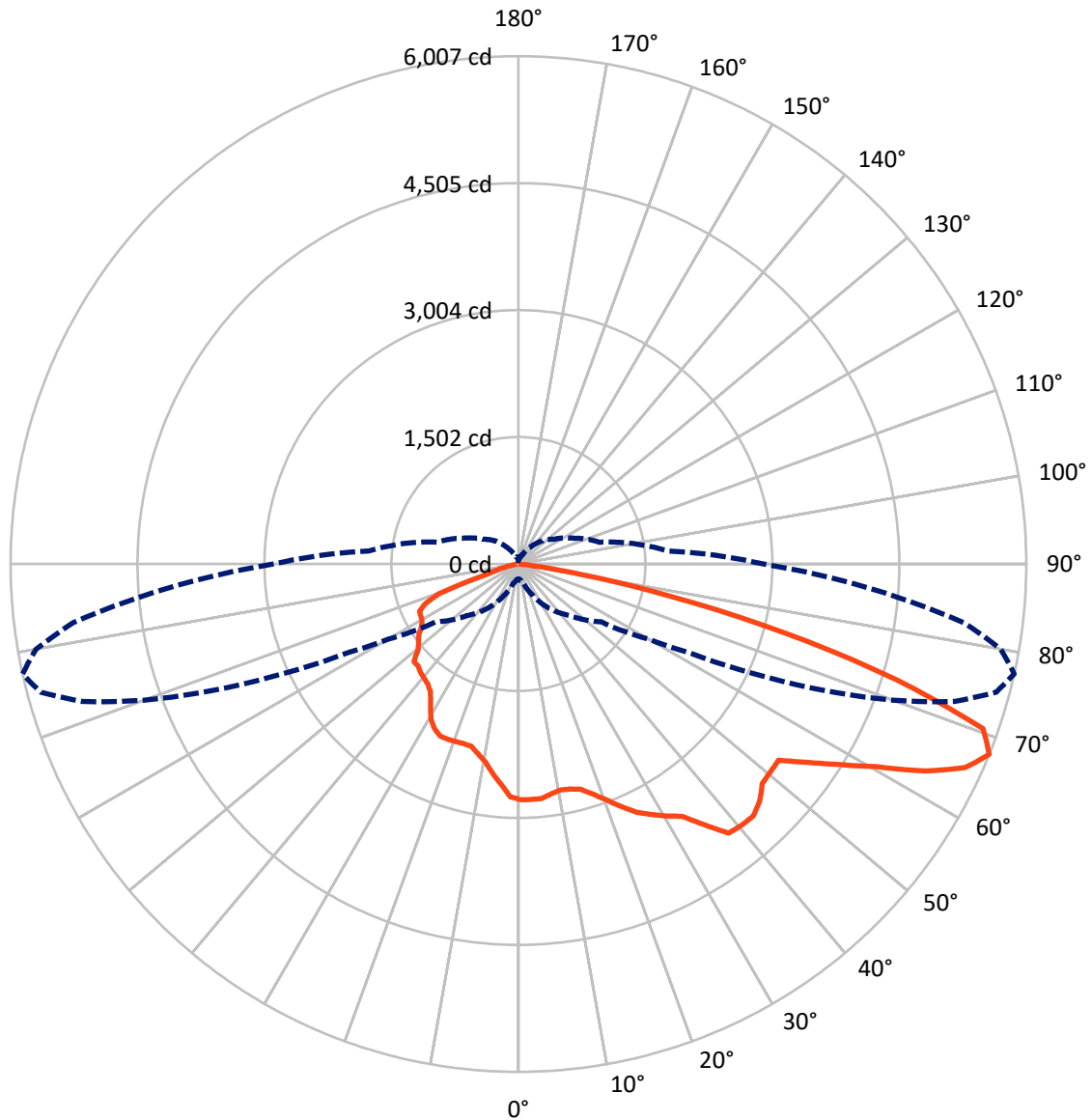
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.6 fc  
 Type II - Medium - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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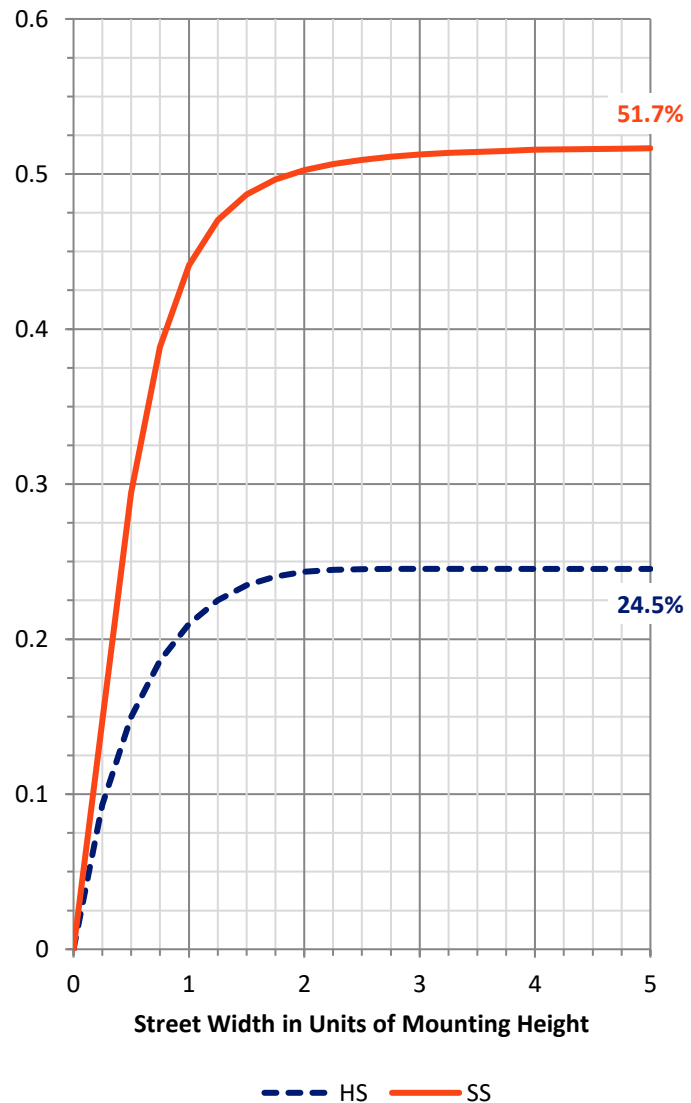
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2641.0	0.0	2641.0
	% Lamp	24.7	0.0	24.7
<b>Street Side</b>	Lumens	5504.6	0.4	5505.1
	% Lamp	51.4	0.0	51.4
<b>Total</b>	Lumens	8145.6	0.4	8146.1
	% Lamp	76.1	0.0	76.1

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	261.2	3.2	2.4
10°-20°	746.1	9.2	7.0
20°-30°	1109.9	13.6	10.4
30°-40°	1294.8	15.9	12.1
40°-50°	1389.1	17.1	13.0
50°-60°	1396.0	17.1	13.0
60°-70°	1310.1	16.1	12.2
70°-80°	611.4	7.5	5.7
80°-90°	27.1	0.3	0.3
90°-100°	0.1	0.0	0.0
100°-110°	0.1	0.0	0.0
110°-120°	0.1	0.0	0.0
120°-130°	0.1	0.0	0.0
130°-140°	0.1	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	8145.6	100.0	76.1
0°-180°	8146.1	100.0	76.1

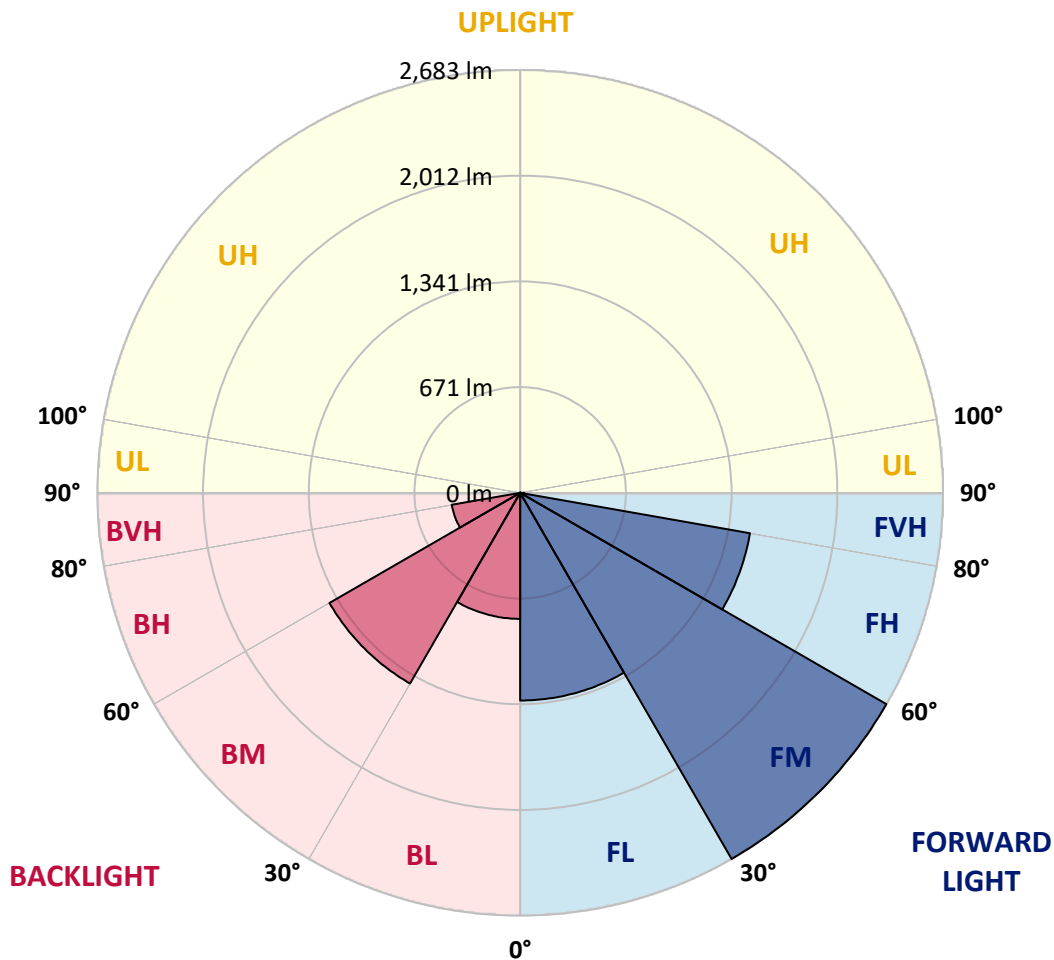


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1317.6	12.3			
FM	(30°-60°)	2682.5	25.1			
FH	(60°-80°)	1480.6	13.8			G1/1800
FVH	(80°-90°)	23.9	0.2			G1/100
BL	(0°-30°)	799.6	7.5	B2/1000		
BM	(30°-60°)	1397.3	13.1	B2/2500		
BH	(60°-80°)	440.8	4.1	B1/500		G1/500
BVH	(80°-90°)	3.3	0.0			G0/10
UL	(90°-100°)	0.1	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		2553.9	23.9			

**BUG Rating: B2-U1-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
0°	2787	2787	2787	2787	2787	2787	2787	2787	2787	2787	2787
2.5°	3016	2737	2963	2734	2925	2742	2864	2739	2842	2786	2814
5°	3291	3196	3228	3128	3115	3008	2954	2899	2897	2864	2855
7.5°	3513	3439	3441	3334	3289	3176	3055	2982	2953	2911	2878
10°	3715	3634	3626	3515	3456	3272	3114	3022	2986	2928	2892
12.5°	3781	3750	3724	3670	3522	3343	3179	3084	3053	2989	2947
15°	3791	3760	3745	3675	3524	3406	3250	3150	3100	3038	2996
17.5°	3683	3689	3670	3572	3482	3409	3291	3199	3180	3114	3083
20°	3428	3459	3444	3397	3354	3354	3352	3308	3291	3224	3212
22.5°	3117	3161	3119	3138	3140	3305	3397	3392	3402	3362	3354
25°	2781	2813	2760	2986	2909	3305	3428	3390	3487	3404	3456
27.5°	2479	2496	2411	2501	2644	3043	3394	3505	3557	3560	3559
30°	2263	2275	2159	2211	2386	2857	3331	3513	3576	3595	3642
32.5°	1952	1983	1919	1954	2136	2651	3241	3501	3628	3692	3765
35°	1782	1787	1733	1755	1909	2435	3194	3581	3778	3859	3976
37.5°	1603	1624	1565	1558	1692	2221	3216	3729	3997	4142	4298
40°	1433	1443	1409	1434	1513	2053	3220	3845	4115	4303	4402
42.5°	1292	1300	1290	1329	1367	1933	3123	3760	4017	4229	4357
45°	1102	1103	1148	1211	1273	1822	2953	3630	3887	4113	4219
47.5°	971	1100	1030	1207	1236	1815	2819	3623	3704	4113	4066
50°	853	872	924	943	1203	1702	2699	3321	3604	3835	4014
52.5°	759	787	836	868	1154	1614	2664	3328	3614	3854	4026
55°	687	718	773	865	1089	1497	2527	3248	3583	3882	4136
57.5°	589	627	664	820	983	1344	2265	3062	3462	3901	4212
60°	467	490	488	701	848	1153	1872	2666	3145	3720	4201
62.5°	376	363	360	546	752	1009	1583	2351	2893	3581	4208
65°	249	248	294	469	680	910	1365	2029	2571	3336	4100
67.5°	179	183	237	415	643	863	1193	1775	2272	3069	3904
70°	127	176	212	402	617	857	1105	1758	2055	3055	3595
72.5°	94	112	197	381	591	778	1007	1367	1593	2190	2677
75°	65	89	162	354	558	723	489	650	745	1172	1547
77.5°	46	73	121	304	278	157	160	291	393	613	832
80°	28	37	58	60	32	47	87	155	197	301	379
82.5°	0	6	0	3	4	9	30	63	70	103	101
85°	0	1	0	0	0	0	6	16	13	26	23
87.5°	0	1	0	0	0	0	0	0	0	1	0
90°	0	1	0	0	0	0	0	0	0	0	0
92.5°	0	1	0	0	0	0	0	0	0	0	0
95°	0	1	0	0	0	0	0	0	0	0	0
97.5°	0	1	0	0	0	0	0	0	0	0	0
100°	0	1	0	0	0	0	0	0	0	0	0
102.5°	0	1	0	0	0	0	0	0	0	0	0
105°	0	1	0	0	0	0	0	0	0	0	0
107.5°	0	1	0	0	0	0	0	0	0	0	0
110°	0	1	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
112.5°	0	1	0	0	0	0	0	0	0	0	0
115°	0	1	0	0	0	0	0	0	0	0	0
117.5°	0	1	0	0	0	0	0	0	0	0	0
120°	0	1	0	0	0	0	0	0	0	0	0
122.5°	0	1	0	0	0	0	0	0	0	0	0
125°	0	1	0	0	0	0	0	0	0	0	0
127.5°	0	1	0	0	0	0	0	0	0	0	0
130°	0	1	0	0	0	0	0	0	0	0	0
132.5°	0	1	0	0	0	0	0	0	0	0	0
135°	0	1	0	0	0	0	0	0	0	0	0
137.5°	0	1	0	0	0	0	0	0	0	0	0
140°	0	1	0	0	0	0	0	0	0	0	0
142.5°	0	1	0	0	0	0	0	0	0	0	0
145°	0	1	0	0	0	0	0	0	0	0	0
147.5°	0	1	0	0	0	0	0	0	0	0	0
150°	0	1	0	0	0	0	0	0	0	0	0
152.5°	0	1	0	0	0	0	0	0	0	0	0
155°	0	1	0	0	0	0	0	0	0	0	0
157.5°	0	1	0	0	0	0	0	0	0	0	0
160°	0	1	0	0	0	0	0	0	0	0	0
162.5°	0	1	0	0	0	0	0	0	0	0	0
165°	0	1	0	0	0	0	0	0	0	0	0
167.5°	0	1	0	0	0	0	0	0	0	0	0
170°	0	1	0	0	0	0	0	0	0	0	0
172.5°	0	1	0	0	0	0	0	0	0	0	0
175°	0	1	0	0	0	0	0	0	0	0	0
177.5°	0	1	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):**

	70°	72.5°	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°
0°	2787	2787	2787	2787	2787	2787	2787	2787	2787	2787	2787
2.5°	2767	2808	2758	2789	2763	2772	2763	2757	2764	2765	2751
5°	2833	2821	2793	2788	2757	2744	2734	2709	2690	2662	2597
7.5°	2843	2808	2786	2747	2722	2682	2671	2616	2610	2553	2475
10°	2847	2803	2758	2718	2675	2633	2590	2556	2531	2473	2338
12.5°	2899	2843	2775	2731	2671	2638	2581	2527	2489	2419	2253
15°	2934	2887	2813	2765	2687	2643	2572	2529	2471	2367	2180
17.5°	3010	2977	2902	2860	2772	2718	2633	2581	2508	2397	2162
20°	3140	3110	3022	2980	2888	2833	2729	2673	2581	2430	2159
22.5°	3284	3259	3165	3114	3010	2949	2826	2760	2644	2464	2159
25°	3298	3382	3185	3253	3066	3050	2869	2832	2652	2469	2156
27.5°	3516	3485	3411	3356	3239	3149	2999	2897	2751	2496	2083
30°	3616	3607	3531	3458	3335	3215	3048	2916	2754	2451	1983
32.5°	3741	3736	3635	3557	3402	3258	3060	2885	2690	2329	1833
35°	3948	3976	3848	3786	3567	3420	3161	2952	2708	2279	1689
37.5°	4298	4306	4165	4040	3809	3597	3298	3040	2756	2265	1619
40°	4414	4332	4219	4064	3843	3621	3324	3059	2770	2256	1583
42.5°	4403	4363	4255	4074	3876	3604	3326	3017	2734	2206	1570
45°	4288	4246	4165	4002	3804	3576	3305	3006	2711	2162	1535
47.5°	4288	4118	4159	3881	3799	3477	3300	2929	2709	2162	1532
50°	4104	4118	4028	3863	3658	3408	3163	2839	2560	1992	1414
52.5°	4111	4126	4010	3854	3595	3368	3062	2795	2475	1910	1360
55°	4249	4352	4248	4139	3835	3600	3235	2923	2539	1902	1296
57.5°	4446	4607	4571	4472	4154	3840	3402	2967	2520	1801	1220
60°	4540	4847	4880	4866	4512	4191	3626	3128	2567	1746	1181
62.5°	4703	5183	5340	5391	5034	4648	3956	3347	2683	1768	1153
65°	4790	5379	5698	5808	5536	5080	4293	3569	2819	1806	1128
67.5°	4712	5411	5851	6007	5793	5312	4502	3685	2897	1775	994
70°	4722	5146	5955	5830	5795	5141	4502	3411	2899	1770	752
72.5°	3503	3963	4672	4668	4757	4152	3553	2638	1966	903	197
75°	2175	2586	3206	3248	3458	3027	2671	1977	1494	657	136
77.5°	1200	1416	1836	1841	2060	1768	1652	1176	924	402	73
80°	544	611	824	768	928	742	751	502	415	183	32
82.5°	148	137	202	162	210	143	160	111	112	60	0
85°	33	24	35	28	40	30	35	21	19	1	0
87.5°	1	0	1	0	1	0	1	0	0	0	0
90°	0	0	0	0	1	0	1	0	0	0	0
92.5°	0	0	0	0	1	0	1	0	0	0	0
95°	0	0	0	0	1	0	1	0	0	0	0
97.5°	0	0	0	0	1	0	1	0	0	0	0
100°	0	0	0	0	1	0	1	0	0	0	0
102.5°	0	0	0	0	1	0	1	0	0	0	0
105°	0	0	0	0	1	0	1	0	0	0	0
107.5°	0	0	0	0	1	0	1	0	0	0	0
110°	0	0	0	0	1	0	1	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	70°	72.5°	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°
112.5°	0	0	0	0	1	0	1	0	0	0	0
115°	0	0	0	0	1	0	1	0	0	0	0
117.5°	0	0	0	0	1	0	1	0	0	0	0
120°	0	0	0	0	1	0	1	0	0	0	0
122.5°	0	0	0	0	1	0	1	0	0	0	0
125°	0	0	0	0	1	0	1	0	0	0	0
127.5°	0	0	0	0	1	0	1	0	0	0	0
130°	0	0	0	0	1	0	1	0	0	0	0
132.5°	0	0	0	0	1	0	1	0	0	0	0
135°	0	0	0	0	1	0	1	0	0	0	0
137.5°	0	0	0	0	1	0	1	0	0	0	0
140°	0	0	0	0	1	0	1	0	0	0	0
142.5°	0	0	0	0	1	0	1	0	0	0	0
145°	0	0	0	0	1	0	1	0	0	0	0
147.5°	0	0	0	0	1	0	1	0	0	0	0
150°	0	0	0	0	1	0	1	0	0	0	0
152.5°	0	0	0	0	1	0	1	0	0	0	0
155°	0	0	0	0	1	0	1	0	0	0	0
157.5°	0	0	0	0	1	0	1	0	0	0	0
160°	0	0	0	0	1	0	1	0	0	0	0
162.5°	0	0	0	0	1	0	1	0	0	0	0
165°	0	0	0	0	1	0	1	0	0	0	0
167.5°	0	0	0	0	1	0	1	0	0	0	0
170°	0	0	0	0	1	0	1	0	0	0	0
172.5°	0	0	0	0	1	0	1	0	0	0	0
175°	0	0	0	0	1	0	1	0	0	0	0
177.5°	0	0	0	0	1	0	1	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	115°	125°	135°	145°	155°	165°	175°	180°
0°	2787	2787	2787	2787	2787	2787	2787	2787
2.5°	2782	2640	2793	2598	2798	2588	2779	2541
5°	2556	2484	2471	2423	2453	2414	2407	2371
7.5°	2399	2322	2309	2253	2284	2247	2247	2221
10°	2249	2166	2157	2103	2116	2093	2093	2070
12.5°	2138	2049	2003	1972	1983	1967	1969	1942
15°	2048	1930	1888	1840	1857	1846	1838	1834
17.5°	1984	1855	1777	1733	1744	1723	1695	1687
20°	1962	1805	1701	1640	1638	1629	1598	1608
22.5°	1926	1756	1648	1568	1565	1560	1518	1504
25°	1916	1716	1612	1499	1532	1475	1481	1419
27.5°	1838	1661	1542	1440	1419	1414	1374	1344
30°	1759	1591	1483	1381	1353	1350	1320	1282
32.5°	1620	1494	1416	1331	1296	1282	1268	1226
35°	1468	1372	1348	1277	1221	1211	1213	1183
37.5°	1336	1235	1262	1223	1156	1129	1153	1131
40°	1263	1110	1153	1146	1112	1072	1108	1089
42.5°	1254	1028	1046	1087	1070	1015	1061	1046
45°	1241	1002	931	1007	1015	968	997	984
47.5°	1249	1017	878	933	992	920	999	952
50°	1193	1032	832	843	924	862	891	896
52.5°	1169	1030	839	749	870	808	837	834
55°	1112	999	858	678	804	743	760	755
57.5°	1074	973	851	649	730	683	680	670
60°	1037	940	832	634	629	607	595	552
62.5°	1017	896	806	613	515	509	482	428
65°	956	809	675	459	309	296	289	231
67.5°	723	510	386	240	134	82	84	42
70°	537	184	384	28	125	1	70	0
72.5°	84	37	11	0	0	0	0	0
75°	49	19	4	0	0	0	0	0
77.5°	19	4	0	0	0	0	0	0
80°	4	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0



REPORT NUMBER: TEST NO. NITE 126-03

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0

(END OF REPORT)