

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: NO. NITE 126-02

Luminaire Tested:

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: NO. NITE 126-02
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

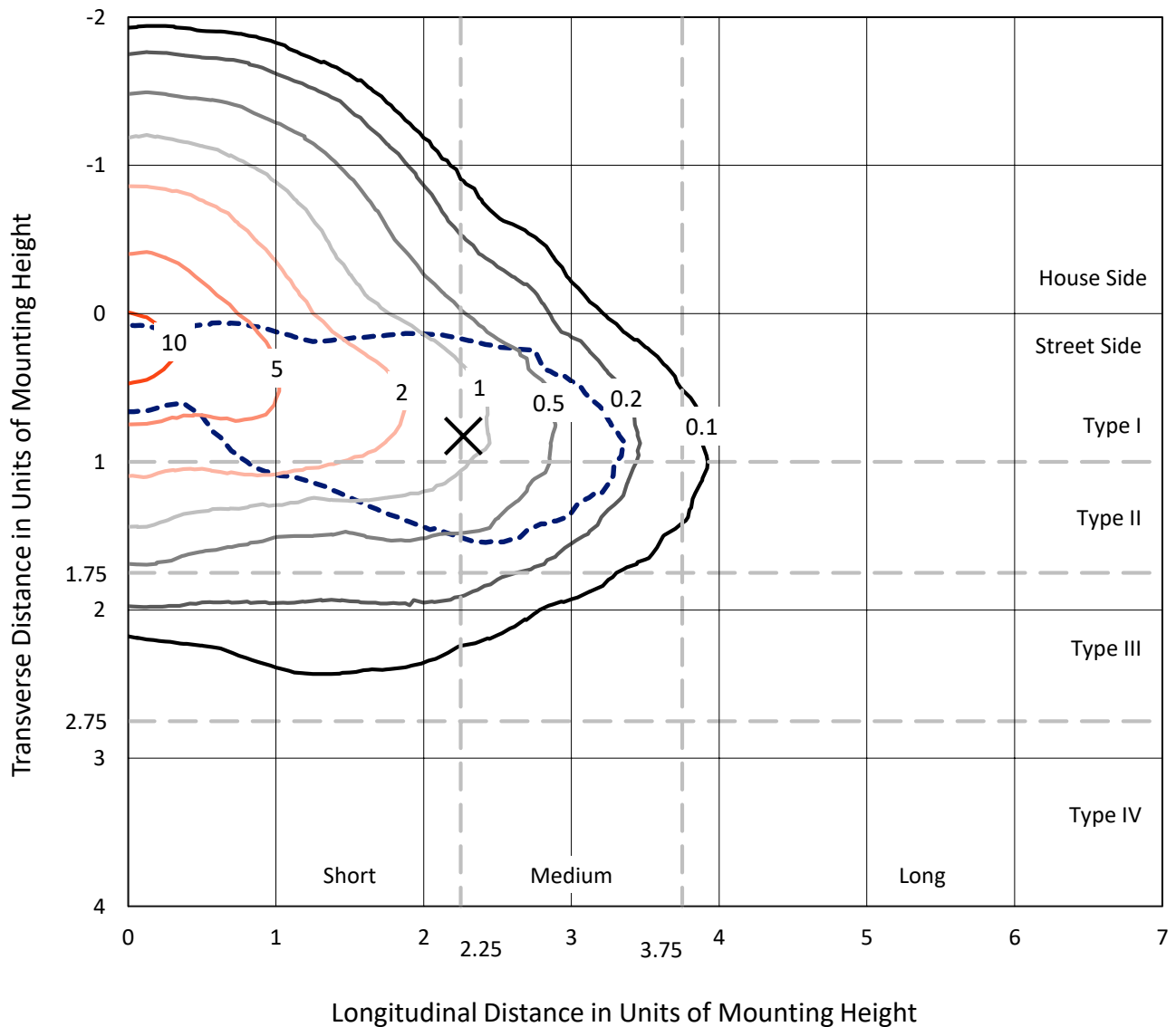
Lumens per Lamp: 17500 (1 lamp)
Luminaire Lumens: 14304.7 lumens
Efficiency: 81.7%
Efficacy: 95.4 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B3 - U1 - G2

Input Watts (W): 150
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

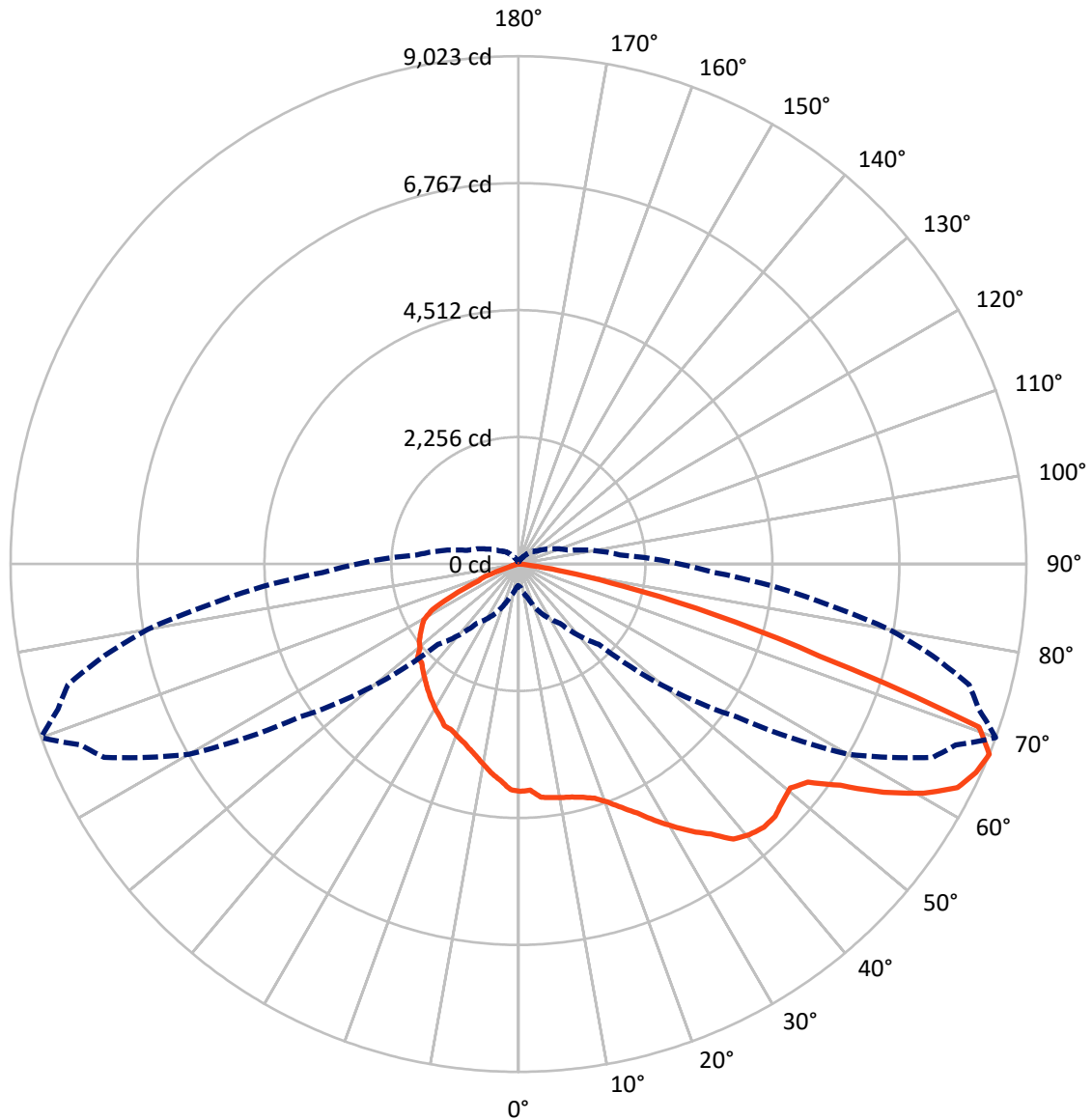
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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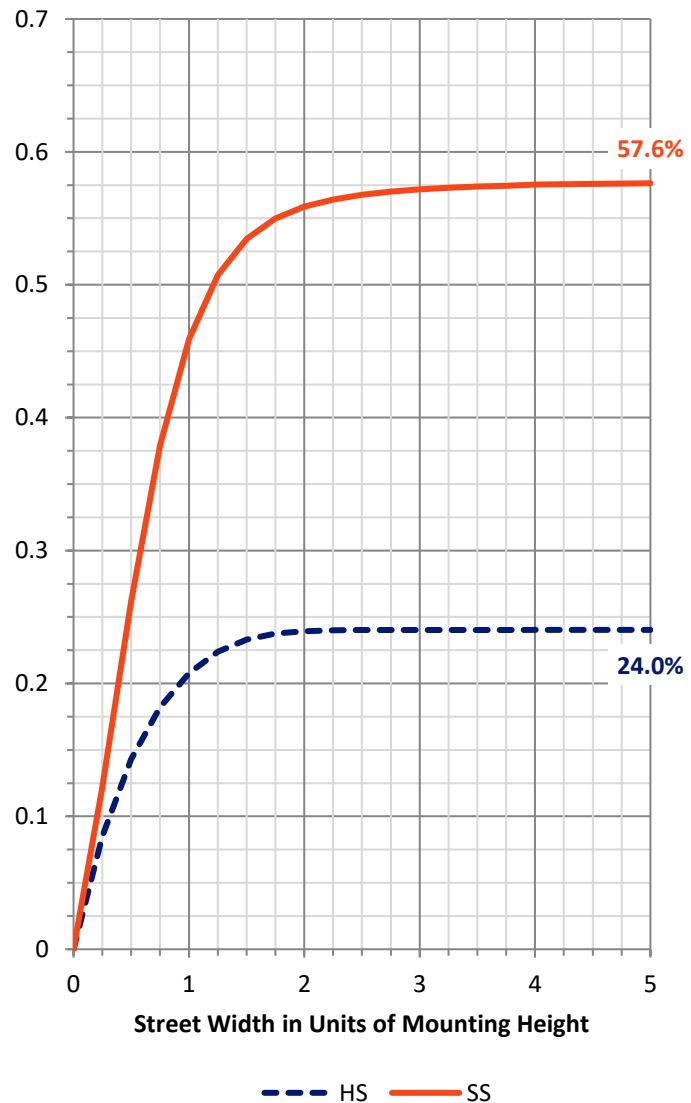
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4231.3	0.0	4231.3
	% Lamp	24.2	0.0	24.2
Street Side	Lumens	10072.7	0.7	10073.4
	% Lamp	57.6	0.0	57.6
Total	Lumens	14304.0	0.7	14304.7
	% Lamp	81.7	0.0	81.7

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	386.1	2.7	2.2
10°-20°	1141.2	8.0	6.5
20°-30°	1832.9	12.8	10.5
30°-40°	2349.3	16.4	13.4
40°-50°	2664.5	18.6	15.2
50°-60°	2769.5	19.4	15.8
60°-70°	2261.9	15.8	12.9
70°-80°	858.8	6.0	4.9
80°-90°	39.9	0.3	0.2
90°-100°	0.3	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°	0.1	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°	14304.0	100.0	81.7
0°-180°	14304.7	100.0	81.7

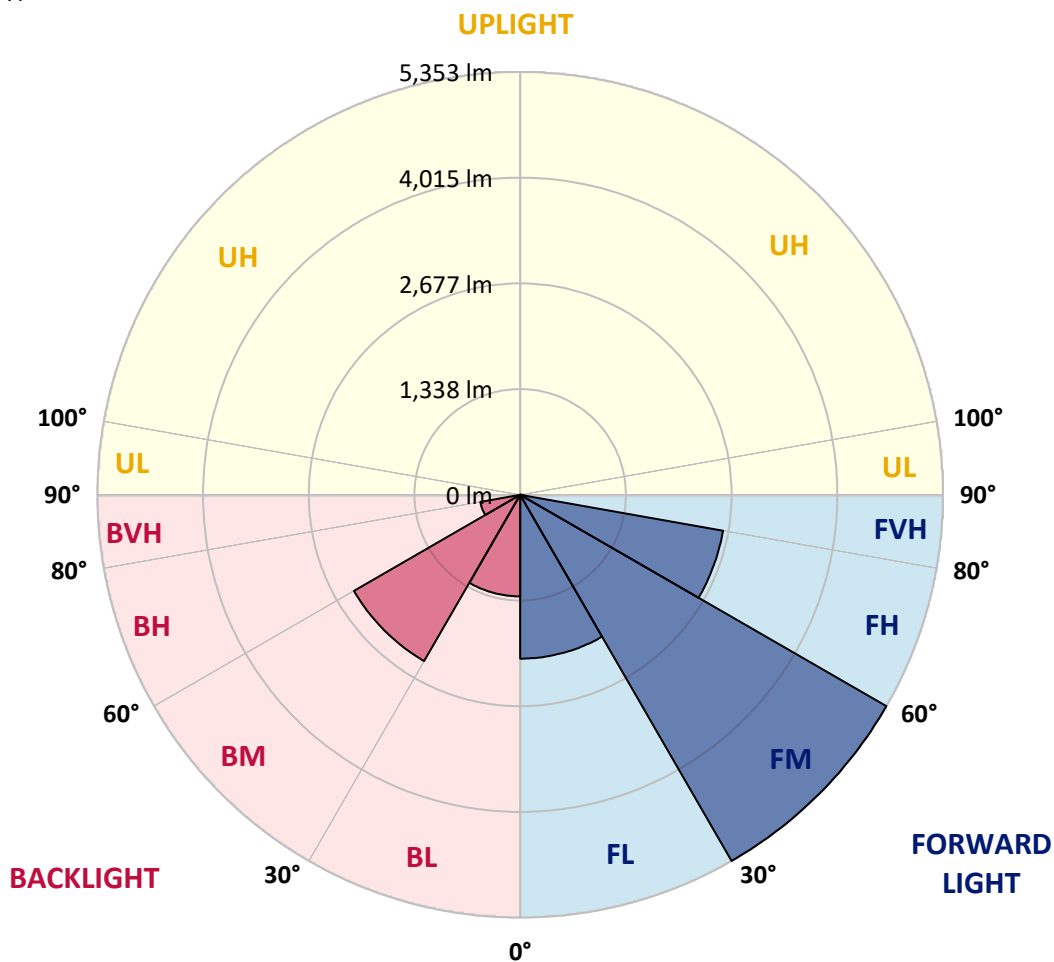


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2073.8	11.9			
FM	(30°-60°)	5353.2	30.6			
FH	(60°-80°)	2608.6	14.9			G2/5000
FVH	(80°-90°)	37.0	0.2			G1/100
BL	(0°-30°)	1286.3	7.4	B3/2500		
BM	(30°-60°)	2430.1	13.9	B2/2500		
BH	(60°-80°)	512.1	2.9	B2/1000		G2/1000
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.3	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		3195.3	18.3			

BUG Rating: B3-U1-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
0°	4039	4039	4039	4039	4039	4039	4039	4039	4039	4039	4039
2.5°	4197	3971	4265	3984	4209	3999	4161	4023	4138	4081	4115
5°	4473	4470	4522	4419	4429	4319	4302	4243	4243	4211	4200
7.5°	4765	4778	4800	4683	4662	4522	4424	4332	4316	4268	4251
10°	5081	5058	5095	4939	4870	4690	4524	4408	4362	4302	4266
12.5°	5323	5326	5335	5193	5058	4811	4601	4473	4435	4360	4316
15°	5503	5489	5512	5351	5189	4944	4719	4570	4516	4433	4381
17.5°	5624	5604	5619	5436	5261	5056	4836	4673	4619	4519	4478
20°	5631	5620	5619	5456	5299	5133	4980	4824	4777	4677	4631
22.5°	5589	5566	5532	5386	5267	5218	5131	4994	4971	4862	4820
25°	5465	5454	5407	5379	5205	5223	5290	5210	5195	4878	5038
27.5°	5287	5287	5220	5110	5108	5280	5458	5412	5438	5346	5305
30°	5042	5069	4985	4905	4962	5269	5653	5663	5680	5596	5557
32.5°	4622	4694	4619	4632	4760	5261	5855	5947	5997	5911	5857
35°	4201	4275	4245	4319	4570	5296	6113	6231	6287	6172	6113
37.5°	3771	3864	3833	3958	4417	5413	6368	6543	6636	6512	6444
40°	3358	3406	3431	3665	4325	5534	6602	6817	6833	6730	6566
42.5°	3014	3048	3075	3380	4284	5686	6748	6881	6863	6761	6638
45°	2784	2814	2789	3116	4212	5848	6909	6996	6984	6853	6649
47.5°	2595	2796	2540	2953	4115	5947	7150	7142	6999	6855	6574
50°	2431	2453	2308	2631	3879	6049	7320	7206	7096	6853	6622
52.5°	2339	2336	2165	2413	3593	5862	7449	7488	7414	7132	6871
55°	2184	2213	1995	2185	3107	5253	7405	7747	7770	7539	7411
57.5°	1874	1929	1711	1912	2526	4361	7152	7954	8130	8076	8025
60°	1352	1415	1330	1540	1981	3393	6595	7923	8291	8449	8504
62.5°	962	990	1020	1253	1619	2746	6049	7769	8266	8598	8803
65°	557	622	742	1051	1427	2318	5417	7336	7995	8517	8795
67.5°	383	420	614	967	1285	2018	4739	6761	7439	8126	8406
70°	270	356	518	919	1220	2013	3854	6224	6214	7063	7196
72.5°	209	268	484	821	1125	1473	2502	3805	4064	4870	4959
75°	169	218	399	706	844	850	1212	2119	2341	2948	3075
77.5°	117	146	266	402	237	243	565	1052	1145	1507	1540
80°	77	79	84	89	72	110	263	478	504	681	669
82.5°	35	40	33	26	19	51	106	176	158	220	194
85°	0	2	2	0	0	4	33	53	51	69	63
87.5°	0	2	0	0	0	0	12	23	26	33	30
90°	0	2	0	0	0	0	4	7	4	10	0
92.5°	0	2	0	0	0	0	0	2	0	9	0
95°	0	2	0	0	0	0	0	0	0	0	0
97.5°	0	2	0	0	0	0	0	0	0	0	0
100°	0	2	0	0	0	0	0	0	0	0	0
102.5°	0	2	0	0	0	0	0	0	0	0	0
105°	0	2	0	0	0	0	0	0	0	0	0
107.5°	0	2	0	0	0	0	0	0	0	0	0
110°	0	2	0	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 126-02

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	62.5°	65°	67.5°
112.5°	0	2	0	0	0	0	0	0	0	0	0
115°	0	2	0	0	0	0	0	0	0	0	0
117.5°	0	2	0	0	0	0	0	0	0	0	0
120°	0	2	0	0	0	0	0	0	0	0	0
122.5°	0	2	0	0	0	0	0	0	0	0	0
125°	0	2	0	0	0	0	0	0	0	0	0
127.5°	0	2	0	0	0	0	0	0	0	0	0
130°	0	2	0	0	0	0	0	0	0	0	0
132.5°	0	2	0	0	0	0	0	0	0	0	0
135°	0	2	0	0	0	0	0	0	0	0	0
137.5°	0	2	0	0	0	0	0	0	0	0	0
140°	0	2	0	0	0	0	0	0	0	0	0
142.5°	0	2	0	0	0	0	0	0	0	0	0
145°	0	2	0	0	0	0	0	0	0	0	0
147.5°	0	2	0	0	0	0	0	0	0	0	0
150°	0	2	0	0	0	0	0	0	0	0	0
152.5°	0	2	0	0	0	0	0	0	0	0	0
155°	0	2	0	0	0	0	0	0	0	0	0
157.5°	0	2	0	0	0	0	0	0	0	0	0
160°	0	2	0	0	0	0	0	0	0	0	0
162.5°	0	2	0	0	0	0	0	0	0	0	0
165°	0	2	0	0	0	0	0	0	0	0	0
167.5°	0	2	0	0	0	0	0	0	0	0	0
170°	0	2	0	0	0	0	0	0	0	0	0
172.5°	0	2	0	0	0	0	0	0	0	0	0
175°	0	2	0	0	0	0	0	0	0	0	0
177.5°	0	2	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: NO. NITE 126-02
 CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	70°	72.5°	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°
0°	4039	4039	4039	4039	4039	4039	4039	4039	4039	4039	4039
2.5°	4023	4110	4035	4083	4035	4064	4035	4037	4037	4035	4043
5°	4161	4158	4128	4119	4099	4073	4053	4035	4015	3982	3905
7.5°	4191	4174	4142	4110	4076	4051	4026	3991	3963	3902	3800
10°	4218	4176	4122	4081	4041	4005	3971	3913	3887	3808	3680
12.5°	4248	4202	4130	4089	4025	3971	3936	3869	3826	3723	3572
15°	4302	4238	4164	4094	4026	3961	3892	3833	3782	3659	3475
17.5°	4376	4325	4212	4156	4064	3998	3902	3828	3754	3618	3401
20°	4514	4460	4342	4268	4145	4066	3957	3863	3779	3608	3341
22.5°	4699	4639	4493	4409	4266	4177	4027	3928	3813	3614	3288
25°	4902	4842	4499	4596	4278	4312	4078	4007	3813	3608	3254
27.5°	5157	5077	4893	4797	4588	4461	4257	4089	3925	3629	3190
30°	5407	5325	5115	4987	4760	4589	4362	4156	3966	3616	3112
32.5°	5663	5546	5317	5110	4857	4624	4365	4120	3911	3536	3030
35°	5894	5761	5479	5262	4966	4690	4394	4115	3881	3465	2933
37.5°	6201	6001	5671	5384	5036	4724	4396	4073	3831	3387	2845
40°	6321	6016	5681	5358	5006	4683	4342	4021	3752	3307	2764
42.5°	6395	6134	5781	5397	5028	4637	4289	3918	3654	3199	2674
45°	6393	6045	5679	5287	4921	4531	4187	3834	3580	3114	2587
47.5°	6311	5922	5676	5129	4918	4371	4182	3703	3572	3068	2587
50°	6259	5929	5507	5092	4688	4281	3936	3572	3329	2891	2423
52.5°	6439	6050	5543	5123	4642	4255	3858	3532	3254	2826	2334
55°	6938	6635	6024	5607	4992	4560	4049	3655	3319	2784	2226
57.5°	7652	7349	6697	6165	5441	4849	4197	3664	3255	2645	2125
60°	8273	8018	7360	6780	5905	5223	4422	3826	3311	2615	2052
62.5°	8752	8604	8035	7439	6510	5699	4760	4030	3424	2599	1875
65°	8931	8829	8401	7770	6853	5857	4857	3934	3311	2366	1443
67.5°	9023	8576	8288	7536	6689	5546	4539	3486	2858	1814	937
70°	8681	7399	7549	6484	6454	4635	4525	2717	2430	1786	647
72.5°	5601	5420	5601	4939	4504	3533	2840	1995	1548	788	220
75°	3608	3513	3782	3306	3119	2409	1981	1374	1095	558	148
77.5°	1901	1814	2043	1755	1720	1297	1118	754	621	317	92
80°	829	759	882	713	733	511	472	298	258	133	41
82.5°	253	199	250	184	197	135	135	97	87	51	10
85°	74	79	81	69	71	55	46	35	26	7	0
87.5°	33	33	31	28	23	19	7	2	7	0	0
90°	5	2	0	0	0	0	0	0	0	0	0
92.5°	7	0	5	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: NO. NITE 126-02

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	115°	125°	135°	145°	155°	165°	175°	180°
0°	4039	4039	4039	4039	4039	4039	4039	4039
2.5°	3979	3911	4074	3856	3959	3846	4055	3782
5°	3833	3783	3756	3680	3669	3656	3643	3578
7.5°	3718	3644	3613	3533	3508	3478	3455	3394
10°	3582	3495	3457	3370	3341	3293	3252	3199
12.5°	3449	3337	3301	3220	3183	3142	3096	3018
15°	3339	3216	3151	3070	3037	2986	2922	2851
17.5°	3229	3101	3016	2933	2895	2849	2778	2708
20°	3151	3004	2904	2815	2768	2723	2633	2574
22.5°	3066	2922	2810	2714	2664	2615	2518	2471
25°	3068	2840	2807	2624	2662	2523	2472	2379
27.5°	2922	2743	2651	2540	2474	2404	2300	2257
30°	2836	2641	2565	2459	2382	2295	2203	2176
32.5°	2741	2544	2456	2359	2283	2201	2112	2077
35°	2661	2457	2361	2268	2180	2100	2019	2002
37.5°	2569	2382	2265	2154	2070	1974	1937	1920
40°	2474	2283	2193	2077	1988	1887	1857	1847
42.5°	2397	2211	2111	1988	1910	1804	1789	1765
45°	2315	2141	2029	1914	1841	1724	1714	1673
47.5°	2313	2086	2026	1848	1842	1653	1707	1580
50°	2175	2018	1891	1755	1653	1550	1535	1473
52.5°	2135	1958	1836	1676	1576	1436	1445	1371
55°	2048	1896	1761	1578	1479	1310	1315	1239
57.5°	1960	1841	1668	1448	1315	1058	1036	987
60°	1848	1637	1434	1118	978	772	734	681
62.5°	1581	1261	1103	808	676	488	445	404
65°	1118	850	690	458	365	232	194	169
67.5°	628	403	299	156	102	49	41	35
70°	609	110	286	44	92	19	28	10
72.5°	107	63	35	7	9	0	0	0
75°	76	38	12	0	0	0	0	0
77.5°	41	7	0	0	0	0	0	0
80°	10	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: NO. NITE 126-02

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)