

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: STREETWORKS

Report Number: P162007

Luminaire Tested: **OVF-E05-LED-E-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162007
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-E05-LED-E-U-SLL
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13467.2 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

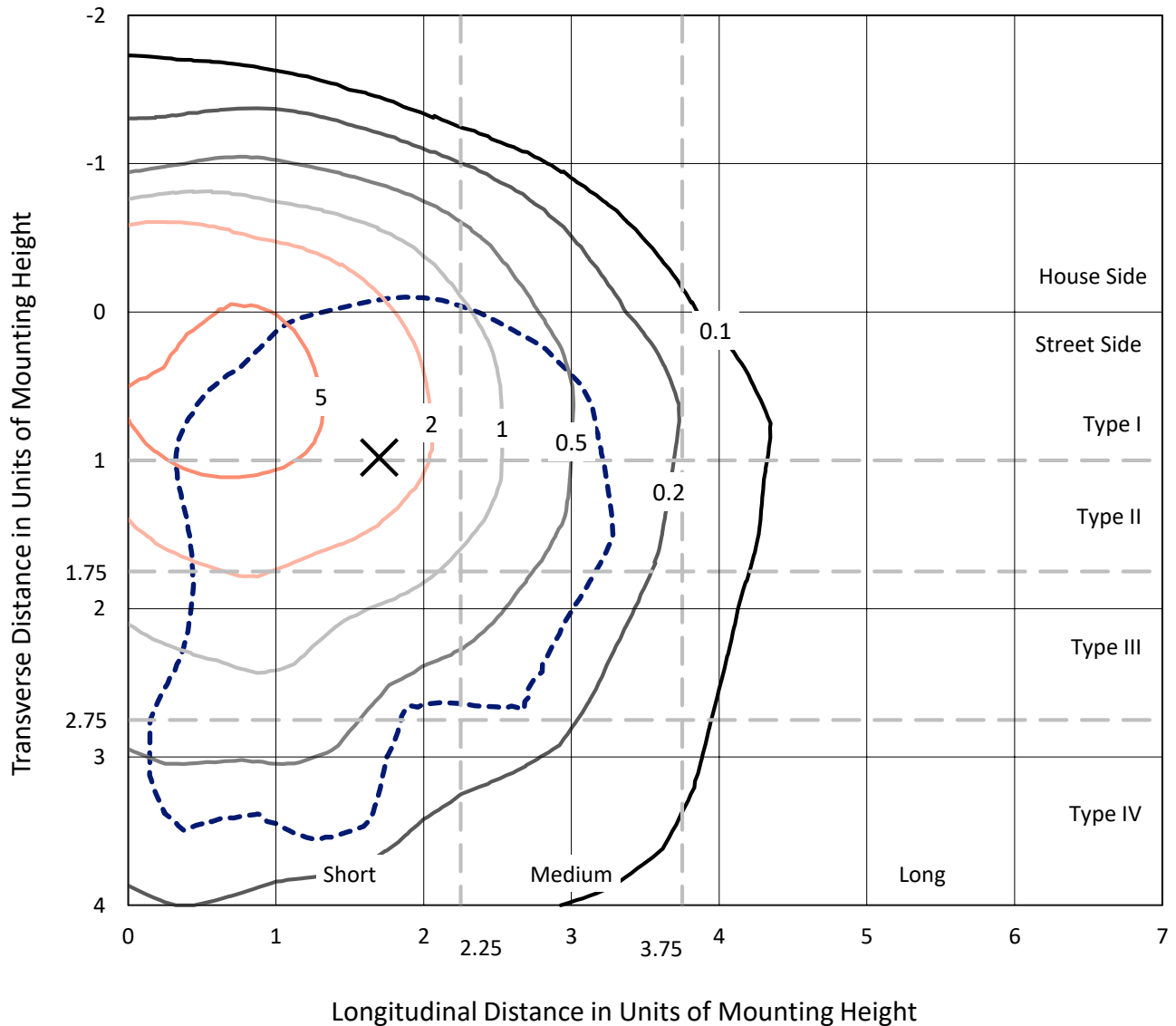
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P162007
 CATALOG NUMBER: OVF-E05-LED-E-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

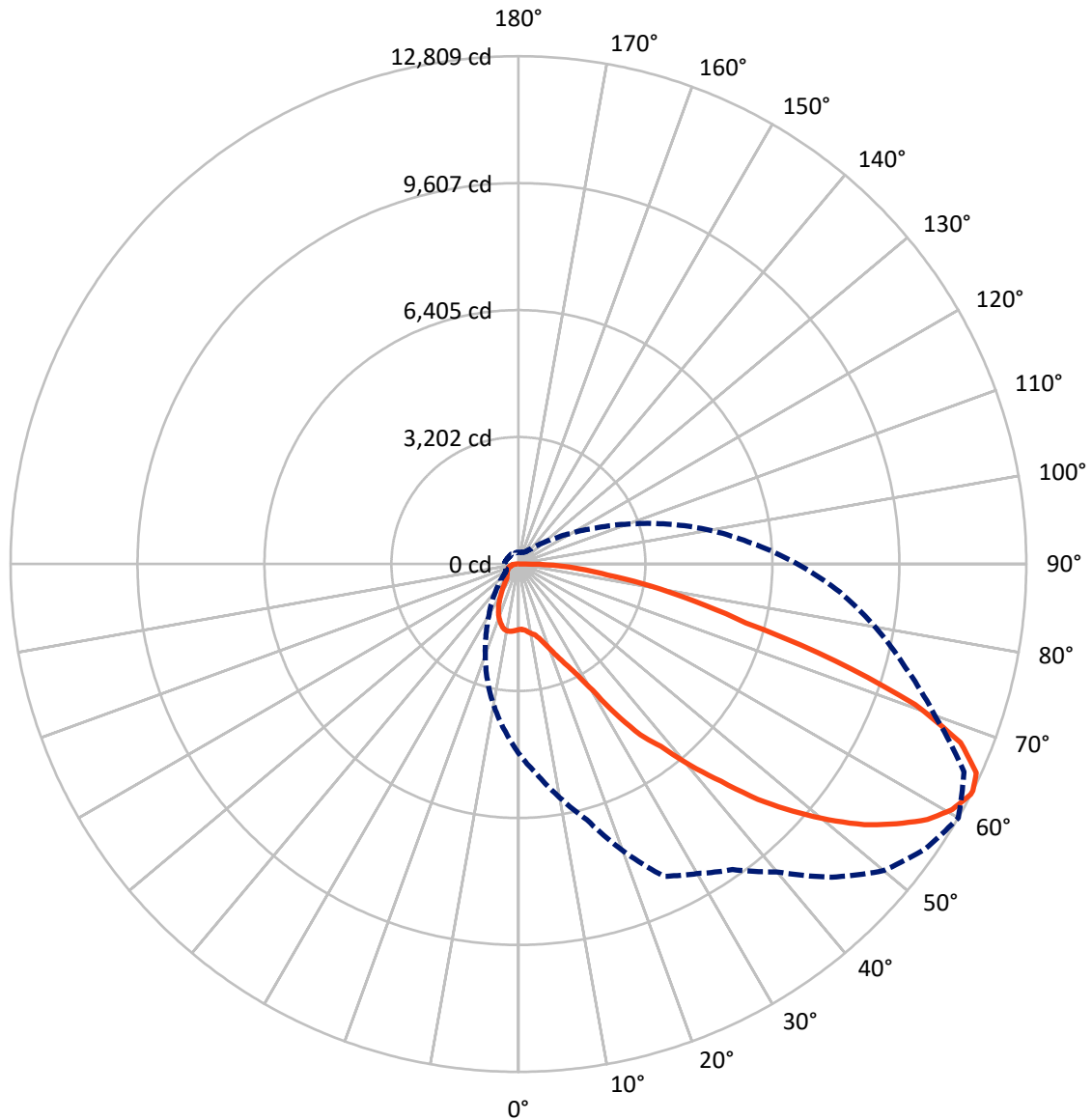


Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P162007

CATALOG NUMBER: OVF-E05-LED-E-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P162007

CATALOG NUMBER: OVF-E05-LED-E-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2819.1	0.0	2819.1
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	10648.1	0.0	10648.1
	% Fixture	79.1	0.0	79.1
Total	Lumens	13467.2	0.0	13467.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	1.2
10°-20°	507.0	3.8
20°-30°	896.6	6.7
30°-40°	1415.4	10.5
40°-50°	2081.4	15.5
50°-60°	2741.8	20.4
60°-70°	3056.0	22.7
70°-80°	2007.8	14.9
80°-90°	598.8	4.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13467.2	100.0
0°-180°	13467.2	100.0



REPORT NUMBER: P162007

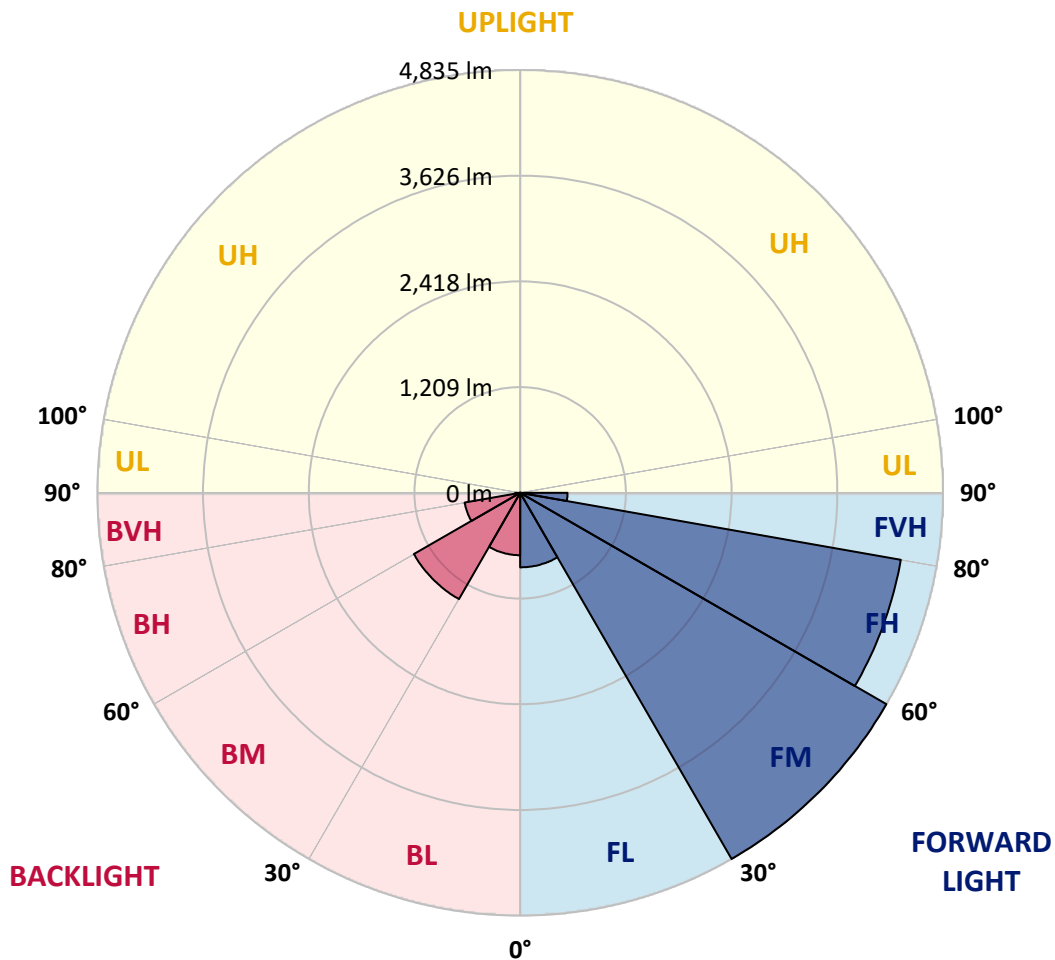
CATALOG NUMBER: OVF-E05-LED-E-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	852.4	6.3			
FM	(30°-60°)	4835.1	35.9			
FH	(60°-80°)	4419.5	32.8			G2/5000
FVH	(80°-90°)	541.2	4.0			G4/750
BL	(0°-30°)	713.6	5.3	B2/1000		
BM	(30°-60°)	1403.5	10.4	B2/2500		
BH	(60°-80°)	644.3	4.8	B2/1000		G2/1000
BVH	(80°-90°)	57.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





REPORT NUMBER: P162007

CATALOG NUMBER: OVF-E05-LED-E-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1652	1653	1650	1649	1647	1648	1648	1646	1646	1647	1644
5°	1644	1646	1645	1647	1649	1652	1655	1658	1661	1665	1666
7.5°	1635	1641	1642	1648	1655	1663	1673	1684	1699	1703	1712
10°	1640	1651	1657	1669	1680	1695	1713	1724	1743	1750	1763
12.5°	1679	1687	1695	1709	1725	1744	1764	1781	1801	1808	1813
15°	1753	1761	1770	1784	1801	1824	1853	1874	1898	1916	1929
17.5°	1856	1856	1877	1881	1914	1949	1985	2026	2051	2066	2090
20°	2004	2004	2032	2045	2073	2118	2167	2212	2248	2278	2300
22.5°	2260	2249	2273	2270	2304	2371	2419	2444	2492	2510	2539
25°	2557	2596	2622	2622	2636	2705	2745	2764	2808	2795	2825
27.5°	2921	3026	3123	3163	3144	3220	3234	3252	3247	3216	3207
30°	3279	3464	3615	3707	3813	3960	3960	3984	3932	3846	3795
32.5°	3527	3765	3996	4187	4367	4592	4687	4819	4841	4874	4760
35°	3731	4065	4313	4600	4820	5048	5301	5530	5682	5657	5612
37.5°	3871	4300	4646	4983	5318	5579	5819	6118	6409	6467	6345
40°	3969	4466	4942	5356	5777	6169	6461	6782	7238	7431	7331
42.5°	4016	4596	5127	5654	6187	6682	7048	7488	8029	8359	8249
45°	4036	4676	5277	5877	6517	7128	7600	8099	8708	9238	9258
47.5°	4031	4719	5380	6036	6776	7487	8120	8686	9376	9933	10140
50°	4017	4734	5442	6132	6939	7750	8463	9136	9907	10612	10927
52.5°	4016	4737	5473	6185	7035	7911	8678	9473	10318	11055	11546
55°	4040	4755	5507	6222	7087	8002	8799	9684	10497	11334	11968
57.5°	4137	4839	5588	6285	7145	8074	8893	9745	10550	11450	12213
60°	4350	4996	5729	6401	7296	8263	8982	9659	10450	11417	12248
62.5°	4682	5248	5926	6615	7603	8622	9019	9462	10203	11227	12097
63°	4767	5315	5978	6674	7692	8690	9016	9410	10135	11171	12029
65°	5122	5625	6220	6956	8097	8906	8907	9104	9788	10862	11750
67.5°	5656	6136	6596	7328	8545	9014	8584	8435	9040	10208	11042
70°	6012	6605	6863	7426	8606	8883	8073	7576	8078	9054	9795
72.5°	6021	6697	6772	7008	8035	8257	7193	6520	6822	7641	8031
75°	5378	6228	6074	5987	6543	6638	5818	5538	5925	6409	6214
77.5°	3998	5128	4815	4445	4647	4661	4687	5215	5690	5888	5604
80°	2481	3767	3527	2917	2995	3225	3915	4848	5368	5510	4942
82.5°	1496	2771	2643	2226	2324	2897	3660	3918	4093	4080	3493
85°	1096	1882	2056	2087	2435	2813	2797	2606	2499	2199	1877
87.5°	345	971	1152	1343	1471	1392	1369	1183	847	716	787
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P162007

CATALOG NUMBER: OVF-E05-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1644	1648	1650	1649	1650	1650	1656	1654	1656	1655	1661
5°	1669	1675	1680	1680	1681	1683	1691	1691	1695	1703	1707
7.5°	1718	1726	1727	1729	1735	1732	1737	1739	1742	1746	1751
10°	1769	1780	1780	1779	1780	1772	1775	1769	1770	1776	1782
12.5°	1826	1832	1828	1825	1825	1810	1808	1800	1796	1797	1799
15°	1940	1935	1934	1929	1911	1900	1892	1867	1854	1847	1835
17.5°	2092	2095	2090	2085	2059	2022	2006	1979	1961	1943	1921
20°	2314	2294	2292	2276	2240	2188	2149	2105	2080	2054	2031
22.5°	2559	2538	2524	2493	2440	2374	2309	2253	2215	2196	2180
25°	2831	2819	2796	2717	2675	2599	2528	2473	2430	2414	2386
27.5°	3157	3166	3123	3049	2996	2889	2828	2733	2697	2639	2603
30°	3751	3693	3620	3507	3400	3256	3155	3056	3003	2925	2829
32.5°	4722	4501	4305	4065	3838	3654	3508	3383	3302	3173	3010
35°	5505	5292	4968	4619	4321	4085	3901	3783	3621	3415	3179
37.5°	6079	5834	5531	5264	4939	4676	4427	4182	3954	3642	3341
40°	7011	6679	6180	5865	5599	5243	5010	4680	4333	3931	3495
42.5°	7933	7493	7041	6679	6301	5915	5595	5152	4691	4170	3633
45°	9004	8465	7874	7368	6980	6526	6116	5572	4984	4366	3753
47.5°	9848	9314	8647	8137	7614	7102	6570	5899	5202	4526	3865
50°	10657	10142	9433	8807	8206	7588	6945	6131	5373	4651	3954
52.5°	11383	10925	10159	9411	8739	8027	7230	6348	5537	4780	4024
55°	11998	11569	10882	9951	9188	8400	7499	6546	5710	4915	4075
57.5°	12411	12163	11429	10426	9557	8718	7702	6745	5872	4999	4097
60°	12603	12570	11949	10855	9885	8966	7958	6956	5979	5037	4066
62.5°	12563	12799	12345	11149	10094	9121	8122	7047	5952	4945	3929
63°	12526	12809	12401	11178	10111	9136	8138	7036	5927	4904	3882
65°	12255	12691	12415	11126	10033	9093	8066	6863	5678	4646	3616
67.5°	11591	12028	11875	10553	9528	8631	7563	6274	5068	4098	3123
70°	10220	10611	10428	9265	8313	7677	6662	5218	4129	3294	2377
72.5°	8084	8359	8399	7475	6746	6364	5367	3936	3016	2294	1543
75°	5986	5922	5935	5419	5122	4961	4012	2700	2032	1402	915
77.5°	5031	4571	4179	4036	3690	3590	2646	1657	1186	839	521
80°	4091	3394	2824	2571	2436	2456	1464	883	621	457	326
82.5°	2797	2267	1788	1553	1529	1552	761	433	328	263	205
85°	1654	1557	1390	1234	1180	1114	566	310	169	140	115
87.5°	715	878	899	895	833	669	208	80	71	36	29
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P162007

CATALOG NUMBER: OVF-E05-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1661	1662	1660	1662	1669	1669	1668	1670	1671	1677	1675
5°	1711	1712	1713	1720	1725	1731	1729	1731	1735	1736	1738
7.5°	1757	1763	1771	1774	1783	1785	1794	1795	1797	1793	1789
10°	1789	1795	1805	1810	1826	1828	1835	1837	1841	1838	1835
12.5°	1805	1810	1821	1831	1853	1860	1872	1879	1884	1881	1871
15°	1838	1837	1843	1851	1871	1884	1901	1910	1916	1911	1898
17.5°	1914	1900	1900	1895	1910	1913	1920	1925	1923	1908	1887
20°	2019	1998	1985	1973	1968	1943	1930	1912	1896	1869	1845
22.5°	2155	2140	2110	2083	2045	1994	1939	1892	1857	1820	1779
25°	2361	2327	2284	2220	2171	2081	1989	1900	1825	1767	1698
27.5°	2555	2483	2402	2302	2212	2092	1975	1872	1774	1681	1602
30°	2717	2592	2460	2320	2192	2047	1911	1794	1683	1573	1498
32.5°	2839	2659	2483	2304	2146	1976	1820	1695	1569	1453	1366
35°	2949	2706	2476	2261	2074	1886	1718	1578	1440	1316	1216
37.5°	3028	2722	2446	2199	1982	1776	1594	1445	1297	1171	1061
40°	3089	2714	2389	2104	1856	1642	1464	1308	1160	1034	919
42.5°	3130	2684	2303	1996	1751	1527	1353	1189	1041	909	782
45°	3183	2672	2250	1915	1656	1430	1244	1084	930	792	671
47.5°	3233	2665	2207	1848	1570	1342	1158	990	835	700	590
50°	3263	2654	2162	1767	1474	1252	1076	906	750	621	523
52.5°	3272	2632	2103	1675	1391	1175	992	822	672	556	465
55°	3265	2589	2023	1600	1306	1090	907	742	606	497	424
57.5°	3231	2503	1920	1505	1209	983	803	652	531	444	388
60°	3155	2379	1794	1372	1070	856	686	556	454	391	354
62.5°	2989	2200	1611	1184	884	687	539	443	374	341	319
63°	2940	2138	1557	1134	852	649	506	419	357	330	312
65°	2682	1852	1316	912	660	492	386	329	296	286	281
67.5°	2198	1441	926	612	443	340	285	263	251	250	253
70°	1553	956	573	392	305	257	236	226	220	222	228
72.5°	1010	561	362	287	248	226	211	208	206	204	206
75°	534	351	274	240	217	199	189	185	186	186	186
77.5°	331	267	234	212	194	176	166	163	164	166	167
80°	254	233	206	190	164	149	144	143	145	145	148
82.5°	186	180	170	150	130	120	119	123	119	118	120
85°	109	102	111	95	87	81	85	93	97	92	90
87.5°	35	24	35	39	35	30	38	45	46	44	50
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P162007

CATALOG NUMBER: OVF-E05-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1674	1681	1674	1677	1676	1674	1677	1673	1671	1677	1676
5°	1737	1738	1729	1730	1729	1721	1721	1717	1712	1713	1711
7.5°	1788	1786	1779	1776	1767	1761	1757	1751	1747	1743	1741
10°	1827	1822	1817	1808	1799	1794	1783	1774	1771	1765	1761
12.5°	1861	1852	1844	1833	1822	1814	1801	1794	1789	1781	1775
15°	1880	1863	1848	1831	1819	1807	1792	1789	1782	1774	1763
17.5°	1857	1833	1805	1787	1769	1751	1736	1736	1733	1724	1705
20°	1810	1774	1741	1712	1694	1668	1659	1645	1635	1619	1595
22.5°	1733	1695	1652	1623	1592	1563	1545	1523	1515	1489	1457
25°	1647	1592	1546	1508	1465	1431	1406	1376	1356	1331	1291
27.5°	1545	1488	1436	1394	1349	1302	1256	1221	1185	1156	1133
30°	1435	1376	1312	1263	1211	1152	1114	1067	1039	1007	977
32.5°	1291	1239	1164	1107	1043	997	966	921	888	861	844
35°	1133	1055	980	937	893	856	813	778	756	728	713
37.5°	961	870	806	768	723	705	678	657	637	618	606
40°	807	723	665	633	603	583	566	557	544	529	520
42.5°	679	612	555	525	502	500	489	482	477	468	454
45°	579	518	469	445	435	436	436	430	430	427	418
47.5°	512	457	421	405	401	402	399	397	398	397	392
50°	460	413	383	377	376	375	371	368	367	369	368
52.5°	407	368	351	349	350	350	349	348	350	352	349
55°	377	349	338	338	338	338	337	336	339	342	337
57.5°	349	329	325	325	325	323	323	324	328	334	328
60°	328	318	318	319	318	314	311	311	316	324	319
62.5°	308	303	305	304	302	297	293	293	299	307	309
63°	303	299	301	300	298	294	290	290	295	303	306
65°	281	282	283	284	283	282	277	275	279	285	289
67.5°	255	257	259	264	262	262	259	257	258	261	264
70°	231	233	236	238	239	240	238	235	236	237	239
72.5°	208	210	212	216	216	216	214	212	213	215	217
75°	187	188	190	193	194	192	192	190	191	194	196
77.5°	166	164	165	167	170	170	171	170	172	174	176
80°	142	140	138	139	143	148	153	153	156	157	160
82.5°	113	111	110	113	112	119	130	136	140	144	146
85°	88	83	85	85	83	94	104	112	113	119	120
87.5°	52	50	48	46	53	64	73	76	78	81	84
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P162007

CATALOG NUMBER: OVF-E05-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1668	1676	1674	1673	1674	1673	1670	1671	1669	1670	1668
5°	1700	1704	1701	1696	1696	1689	1684	1680	1675	1673	1669
7.5°	1731	1728	1724	1715	1710	1701	1694	1686	1681	1675	1668
10°	1750	1744	1736	1725	1711	1703	1693	1681	1675	1672	1665
12.5°	1759	1743	1730	1710	1690	1675	1664	1652	1649	1645	1640
15°	1738	1715	1682	1655	1629	1608	1599	1586	1583	1582	1581
17.5°	1667	1632	1600	1564	1541	1522	1514	1511	1506	1504	1505
20°	1553	1523	1491	1479	1452	1447	1435	1427	1418	1415	1410
22.5°	1420	1383	1363	1354	1343	1317	1311	1303	1291	1282	1280
25°	1265	1235	1234	1213	1204	1190	1174	1164	1157	1146	1138
27.5°	1107	1096	1077	1061	1055	1047	1023	1018	1010	1001	992
30°	960	952	934	919	910	894	871	873	857	845	837
32.5°	817	811	794	790	761	753	729	711	695	683	673
35°	688	672	673	655	639	615	590	567	554	548	539
37.5°	595	580	565	545	527	510	495	488	480	482	483
40°	511	500	489	475	464	457	453	453	454	459	463
42.5°	451	442	436	431	433	433	436	441	446	453	457
45°	411	406	404	406	412	417	424	432	440	447	450
47.5°	387	384	384	389	398	406	417	425	434	440	442
50°	361	360	360	364	372	382	393	401	409	414	416
52.5°	346	343	342	347	354	364	375	383	389	393	394
55°	333	330	328	334	342	351	364	373	379	384	388
57.5°	322	319	317	324	332	343	354	364	372	378	382
60°	313	309	307	315	323	334	345	356	367	374	376
62.5°	302	299	296	301	305	313	323	334	344	351	351
63°	299	298	294	298	302	309	319	329	339	347	346
65°	286	286	284	288	292	299	307	318	327	333	334
67.5°	265	266	268	272	280	287	296	306	314	318	320
70°	241	243	247	253	260	266	272	282	289	293	295
72.5°	218	223	226	231	235	241	246	256	262	265	270
75°	197	201	203	206	210	212	218	222	230	234	240
77.5°	177	179	182	187	188	191	193	199	203	207	212
80°	159	161	165	168	169	171	172	171	170	167	171
82.5°	143	145	150	153	156	156	155	144	139	141	144
85°	118	120	125	131	132	131	132	121	114	111	114
87.5°	74	72	89	97	91	93	94	88	82	70	73
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P162007
 CATALOG NUMBER: OVF-E05-LED-E-U-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	0°
2.5°	1670	1663	1664	1666	1666	1669	1665	1660	1663	1658	1657	2.5°
5°	1669	1660	1660	1662	1660	1662	1659	1654	1657	1651	1650	5°
7.5°	1665	1660	1662	1664	1661	1662	1661	1654	1655	1652	1645	7.5°
10°	1663	1660	1664	1670	1670	1671	1668	1660	1655	1652	1646	10°
12.5°	1642	1646	1654	1668	1673	1681	1685	1681	1683	1679	1677	12.5°
15°	1582	1592	1605	1626	1641	1659	1681	1691	1710	1725	1735	15°
17.5°	1510	1517	1531	1555	1574	1610	1640	1674	1711	1751	1786	17.5°
20°	1421	1416	1438	1464	1497	1537	1581	1632	1693	1757	1818	20°
22.5°	1290	1290	1313	1344	1384	1430	1491	1546	1626	1719	1809	22.5°
25°	1140	1143	1159	1194	1222	1288	1345	1416	1512	1614	1734	25°
27.5°	980	1000	996	1033	1070	1135	1213	1285	1392	1501	1638	27.5°
30°	835	832	831	875	912	971	1035	1126	1234	1374	1532	30°
32.5°	655	666	674	700	740	795	864	959	1089	1230	1408	32.5°
35°	541	544	555	570	605	651	723	807	921	1067	1256	35°
37.5°	485	488	500	514	539	573	622	687	792	928	1104	37.5°
40°	467	470	477	490	513	542	581	631	707	813	967	40°
42.5°	459	459	460	470	493	527	569	614	670	750	875	42.5°
45°	450	450	449	456	474	513	564	619	680	749	847	45°
47.5°	442	440	438	441	456	496	555	622	700	786	885	47.5°
50°	414	414	413	414	428	470	538	619	718	829	949	50°
52.5°	394	395	396	396	407	450	525	620	738	871	1023	52.5°
55°	389	391	391	389	398	437	513	617	752	918	1102	55°
57.5°	383	384	385	383	389	423	496	603	748	936	1161	57.5°
60°	375	371	370	367	371	398	466	573	724	928	1181	60°
62.5°	353	350	347	344	347	367	433	536	684	896	1165	62.5°
63°	348	346	343	340	340	362	422	527	674	887	1159	63°
65°	334	333	331	328	327	344	397	486	627	847	1121	65°
67.5°	318	318	317	313	308	318	355	425	545	744	1027	67.5°
70°	295	295	294	292	286	293	317	363	449	608	861	70°
72.5°	272	272	275	274	275	276	288	313	365	473	651	72.5°
75°	242	247	248	250	251	250	256	271	301	363	475	75°
77.5°	217	224	223	221	220	221	220	227	249	288	352	77.5°
80°	179	186	186	185	183	185	183	190	208	242	280	80°
82.5°	147	152	155	157	155	163	163	161	175	205	236	82.5°
85°	118	123	126	130	132	130	129	127	135	159	180	85°
87.5°	75	79	79	80	80	83	77	70	64	91	95	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0	90°



NUMBER: P162007

NUMBER: OVF-E05-LED-E-U-SLL

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1654	1654	1654	1654	1654	1654	1654
1654	1654	1655	1652	1655	1655	1652
1647	1645	1645	1644	1646	1645	1644
1641	1641	1637	1634	1633	1637	1635
1639	1637	1636	1634	1635	1638	1640
1675	1668	1670	1669	1670	1673	1679
1741	1741	1746	1735	1740	1745	1753
1815	1833	1842	1841	1843	1847	1856
1878	1935	1975	1985	2012	2018	2004
1906	2008	2098	2158	2225	2252	2260
1849	1996	2144	2282	2414	2490	2557
1790	1964	2161	2367	2582	2776	2921
1708	1938	2204	2482	2767	3037	3279
1618	1896	2208	2546	2898	3234	3527
1489	1798	2144	2536	2944	3365	3731
1341	1642	2030	2478	2941	3432	3871
1183	1491	1899	2379	2902	3453	3969
1064	1369	1769	2285	2844	3439	4016
1003	1264	1663	2193	2779	3405	4036
1015	1236	1600	2117	2721	3368	4031
1082	1278	1599	2089	2684	3334	4017
1183	1373	1657	2122	2704	3331	4016
1297	1506	1797	2211	2789	3385	4040
1407	1668	1977	2410	2950	3520	4137
1472	1816	2208	2691	3198	3757	4350
1487	1905	2413	2967	3538	4100	4682
1486	1914	2448	3024	3607	4179	4767
1463	1932	2542	3212	3884	4518	5122
1391	1900	2594	3387	4159	4892	5656
1226	1754	2533	3444	4323	5140	6012
960	1447	2187	3148	4101	4918	6021
675	1023	1683	2585	3352	4156	5378
470	663	1093	1739	2419	3032	3998
344	441	655	1040	1468	1895	2481
265	318	419	628	829	1061	1496
186	210	259	388	556	759	1096
81	95	125	229	376	362	345
0	0	0	0	0	0	0

(END OF REPORT)