

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: 17358

Luminaire Tested: **CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 17358  
Test Lab: LUMINAIRE TESTING LABORATORY, INC.  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)  
Description: FORMED STEEL HOUSING, FORMED WHITE ENAMEL ALUMINUM REFLECTOR  
FROSTED PLASTIC SIDE ENCLOSURES WITH 85 CELL, 3/8" DEEP,  
FORMED WHITE PLASTIC LOUVER ABOVE CLEAR LINEAR PRISMATIC  
PLASTIC CENTER LENS.  
Light Source: THREE 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS  
EACH.  
PHILIPS F32T8/835/ALTO  
Ballast/Driver: ONE UNIVERSAL LIGHTING TECHNOLOGIES "TRIAD" B332IUNVHP-A

**Summary**

Lumens per Lamp: 2850 (3 lamps)  
Luminaire Lumens: 5945.6 lumens  
Efficiency: 69.5%  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 1.8' x L: 3.91' x H: 0')  
CIE Type: Direct

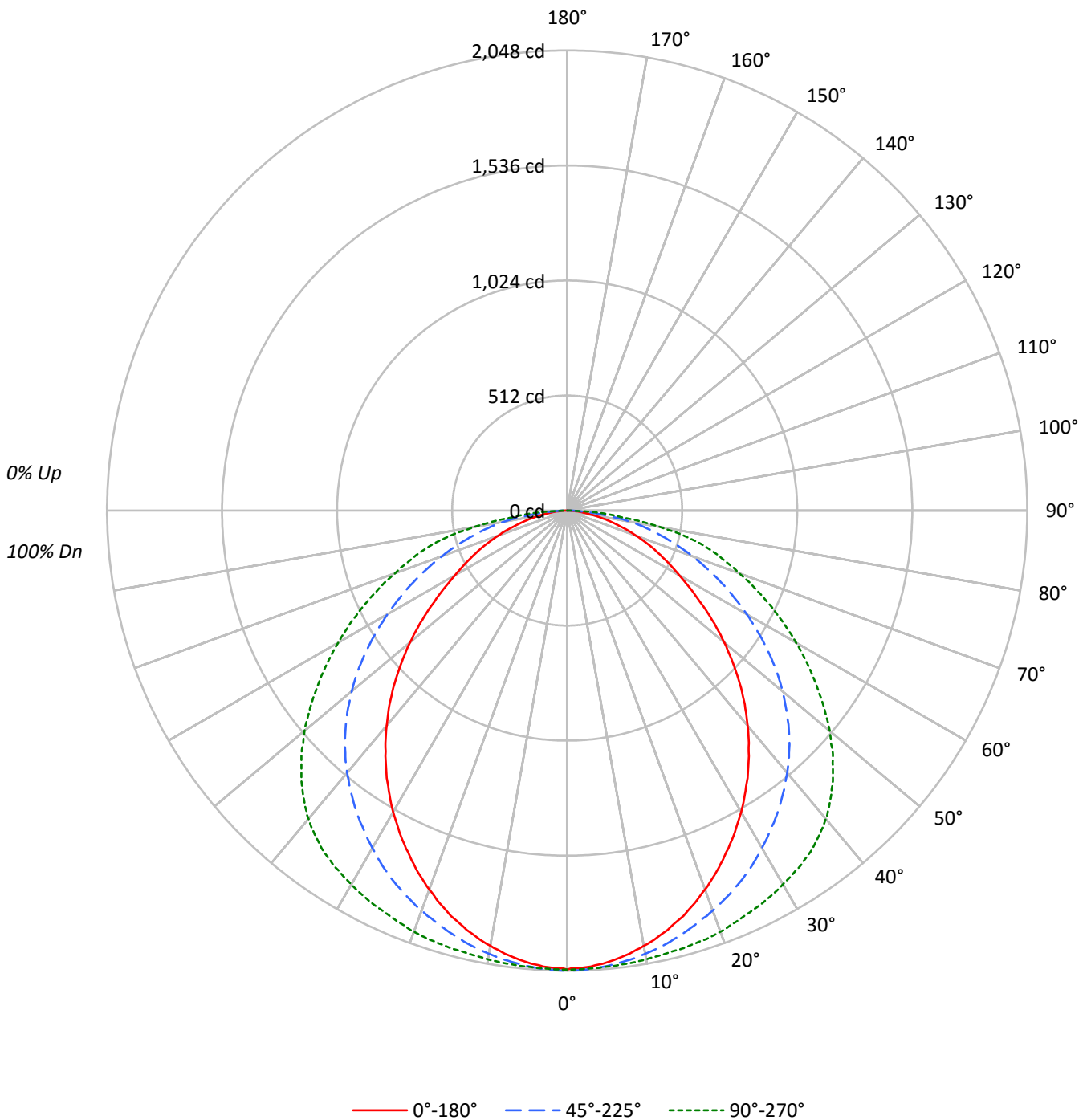
Input Watts (W): 81.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

### Luminous Intensity Polar Plot





TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	83	83	83	83	81	81	81	81	77	77	77	74	74	74	71	71	71	70
1	75	72	69	66	73	70	68	65	67	65	63	65	63	61	62	61	59	58
2	68	63	58	54	67	61	57	53	59	55	52	56	53	51	54	52	49	48
3	62	55	49	44	61	54	48	44	52	47	43	50	46	42	48	45	42	40
4	57	48	42	38	55	48	42	37	46	41	37	44	40	36	43	39	36	34
5	52	43	37	32	51	43	37	32	41	36	32	40	35	31	38	34	31	30
6	48	39	33	28	47	38	32	28	37	32	28	36	31	27	35	31	27	26
7	45	35	29	25	44	35	29	25	34	28	25	33	28	24	32	27	24	23
8	42	32	26	22	41	32	26	22	31	26	22	30	25	22	29	25	22	20
9	39	30	24	20	38	29	24	20	28	23	20	28	23	20	27	23	19	18
10	36	27	22	18	36	27	22	18	26	21	18	25	21	18	25	21	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3124	3124	3124
5°	3099	3124	3129
10°	3054	3110	3149
15°	2995	3095	3190
20°	2921	3084	3245
25°	2830	3076	3307
30°	2735	3062	3392
35°	2623	3052	3493
40°	2495	3042	3575
45°	2349	3019	3618
50°	2172	2979	3631
55°	1962	2911	3613
60°	1768	2823	3600
65°	1621	2732	3608
70°	1462	2643	3644
75°	1264	2576	3835
80°	1048	2528	3681
85°	807	1860	3141



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	192.8	3.2	2.3
10°-20°	551.3	9.3	6.4
20°-30°	838.5	14.1	9.8
30°-40°	1022.6	17.2	12.0
40°-50°	1068.1	18.0	12.5
50°-60°	954.5	16.1	11.2
60°-70°	729.7	12.3	8.5
70°-80°	457.1	7.7	5.3
80°-90°	130.9	2.2	1.5
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	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°-30°	1582.7	26.6	18.5
0°-40°	2605.3	43.8	30.5
0°-60°	4627.8	77.8	54.1
0°-90°	5945.6	100.0	69.5
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	5945.6	100.0	69.5

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2043	2043	2043	2043	2043	
5°	2019	2023	2035	2035	2038	191
15°	1892	1911	1955	1993	2015	533
25°	1677	1718	1823	1912	1960	772
35°	1405	1474	1635	1794	1871	877
45°	1086	1179	1396	1588	1673	836
55°	736	856	1092	1277	1355	661
65°	448	541	755	928	997	445
75°	214	286	436	585	649	230
85°	46	78	106	154	179	52
90°	0	0	0	0	0	2
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2043	2043	2043	2043	2043
0.5°	2038	2040	2048	2042	2043
1°	2038	2040	2047	2042	2043
1.5°	2037	2039	2046	2042	2043
2°	2036	2038	2045	2041	2042
2.5°	2034	2036	2044	2040	2041
3°	2032	2034	2043	2040	2040
3.5°	2028	2032	2041	2039	2040
4°	2026	2029	2039	2037	2040
4.5°	2023	2026	2037	2036	2038
5°	2019	2023	2035	2035	2038
5.5°	2015	2020	2032	2034	2038
6°	2011	2016	2029	2032	2037
6.5°	2006	2011	2027	2031	2036
7°	2001	2008	2024	2030	2035
7.5°	1997	2003	2021	2028	2034
8°	1992	1998	2018	2026	2033
8.5°	1985	1993	2015	2025	2033
9°	1979	1987	2011	2023	2031
9.5°	1974	1982	2007	2021	2030
10°	1967	1976	2003	2019	2028
10.5°	1962	1971	1999	2017	2026
11°	1955	1965	1995	2015	2025
11.5°	1949	1959	1991	2012	2024
12°	1941	1952	1986	2010	2022
12.5°	1933	1946	1982	2006	2020
13°	1926	1939	1977	2004	2019
13.5°	1919	1933	1972	2001	2017
14°	1909	1926	1966	1998	2017
14.5°	1900	1918	1961	1996	2016
15°	1892	1911	1955	1993	2015
15.5°	1884	1902	1950	1991	2012
16°	1877	1895	1944	1988	2010
16.5°	1867	1886	1937	1984	2009
17°	1856	1879	1932	1981	2007
17.5°	1846	1870	1925	1978	2006
18°	1837	1860	1919	1974	2006
18.5°	1827	1850	1913	1971	2002
19°	1815	1842	1908	1968	2000
19.5°	1804	1833	1901	1965	1997
20°	1795	1823	1895	1961	1994
20.5°	1785	1813	1888	1957	1992
21°	1772	1803	1882	1952	1988
21.5°	1761	1792	1874	1948	1984
22°	1750	1782	1867	1943	1981



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	1739	1772	1860	1939	1978
23°	1727	1762	1853	1934	1974
23.5°	1714	1751	1846	1928	1970
24°	1703	1740	1838	1923	1967
24.5°	1690	1729	1831	1918	1964
25°	1677	1718	1823	1912	1960
25.5°	1666	1707	1815	1907	1958
26°	1653	1697	1807	1902	1954
26.5°	1641	1685	1798	1897	1951
27°	1628	1672	1790	1893	1947
27.5°	1615	1661	1781	1888	1943
28°	1601	1649	1772	1883	1939
28.5°	1588	1638	1763	1877	1935
29°	1575	1626	1753	1872	1931
29.5°	1562	1614	1743	1865	1926
30°	1549	1601	1734	1860	1921
30.5°	1535	1589	1724	1853	1916
31°	1521	1577	1715	1848	1912
31.5°	1507	1566	1706	1841	1908
32°	1492	1553	1695	1834	1903
32.5°	1478	1540	1685	1827	1897
33°	1463	1526	1675	1820	1894
33.5°	1450	1513	1666	1813	1889
34°	1436	1501	1656	1807	1882
34.5°	1420	1488	1646	1801	1876
35°	1405	1474	1635	1794	1871
35.5°	1390	1461	1625	1786	1865
36°	1374	1447	1614	1779	1858
36.5°	1360	1433	1603	1771	1850
37°	1342	1419	1591	1762	1842
37.5°	1328	1404	1581	1754	1835
38°	1314	1391	1570	1745	1827
38.5°	1298	1377	1558	1736	1818
39°	1282	1362	1546	1726	1810
39.5°	1266	1347	1535	1716	1800
40°	1250	1333	1524	1706	1791
40.5°	1234	1318	1512	1697	1782
41°	1218	1303	1500	1686	1770
41.5°	1202	1288	1488	1675	1760
42°	1186	1273	1475	1664	1748
42.5°	1170	1258	1462	1653	1736
43°	1152	1242	1450	1641	1724
43.5°	1135	1227	1437	1629	1711
44°	1120	1213	1424	1616	1699
44.5°	1103	1197	1411	1603	1687



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	1086	1179	1396	1588	1673
45.5°	1069	1164	1383	1575	1658
46°	1052	1149	1369	1563	1644
46.5°	1034	1133	1354	1549	1630
47°	1017	1117	1340	1535	1617
47.5°	1000	1101	1326	1520	1604
48°	983	1084	1311	1505	1588
48.5°	964	1069	1296	1489	1569
49°	947	1053	1281	1474	1555
49.5°	931	1037	1267	1459	1541
50°	913	1022	1252	1444	1526
50.5°	895	1006	1236	1428	1510
51°	879	989	1222	1413	1493
51.5°	860	972	1206	1397	1475
52°	843	956	1191	1380	1458
52.5°	826	941	1175	1362	1442
53°	807	922	1159	1346	1424
53.5°	790	905	1142	1330	1407
54°	772	889	1126	1312	1388
54.5°	755	872	1109	1293	1372
55°	736	856	1092	1277	1355
55.5°	718	839	1074	1258	1337
56°	702	822	1059	1240	1320
56.5°	687	805	1041	1224	1302
57°	670	788	1025	1207	1285
57.5°	654	771	1007	1190	1267
58°	638	756	992	1173	1249
58.5°	622	739	974	1155	1232
59°	606	724	956	1137	1213
59.5°	591	708	941	1120	1196
60°	578	692	923	1104	1177
60.5°	564	676	907	1086	1159
61°	550	660	890	1068	1142
61.5°	537	644	874	1050	1123
62°	524	628	856	1034	1104
62.5°	511	613	839	1016	1088
63°	498	598	823	998	1069
63.5°	485	584	806	979	1050
64°	472	569	791	962	1033
64.5°	460	554	773	944	1015
65°	448	541	755	928	997
65.5°	436	526	739	909	977
66°	425	512	723	891	960
66.5°	413	499	707	874	942
67°	399	484	690	856	922





TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	387	471	674	839	906
68°	376	457	658	819	889
68.5°	364	444	641	803	873
69°	351	430	625	784	852
69.5°	340	416	607	766	833
70°	327	404	591	749	815
70.5°	315	391	577	732	800
71°	306	380	562	717	784
71.5°	293	368	545	701	766
72°	282	355	529	683	747
72.5°	270	343	514	668	731
73°	258	332	499	652	716
73.5°	248	319	483	633	702
74°	236	308	467	618	685
74.5°	224	297	451	603	667
75°	214	286	436	585	649
75.5°	205	274	421	569	631
76°	195	264	406	553	612
76.5°	185	254	392	535	593
77°	175	243	377	516	570
77.5°	164	232	363	495	549
78°	154	220	348	474	524
78.5°	145	210	333	451	501
79°	137	200	318	429	469
79.5°	127	188	303	408	443
80°	119	179	287	380	418
80.5°	110	168	270	355	389
81°	102	158	252	331	364
81.5°	94	148	232	308	336
82°	87	138	211	282	308
82.5°	80	129	189	255	273
83°	72	118	169	227	244
83.5°	64	109	155	202	227
84°	57	98	140	183	211
84.5°	52	89	123	168	194
85°	46	78	106	154	179
85.5°	40	65	91	142	164
86°	34	54	80	127	143
86.5°	29	43	70	109	122
87°	23	35	59	90	101
87.5°	18	26	48	73	78
88°	14	19	36	53	52
88.5°	9	13	23	32	33
89°	6	7	13	16	17
89.5°	3	4	5	5	5



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0	0	0	0	0
90.5°	0	0	0	0	0
91°	0	0	0	0	0
91.5°	0	0	0	0	0
92°	0	0	0	0	0
92.5°	0	0	0	0	0
93°	0	0	0	0	0
93.5°	0	0	0	0	0
94°	0	0	0	0	0
94.5°	0	0	0	0	0
95°	0	0	0	0	0
95.5°	0	0	0	0	0
96°	0	0	0	0	0
96.5°	0	0	0	0	0
97°	0	0	0	0	0
97.5°	0	0	0	0	0
98°	0	0	0	0	0
98.5°	0	0	0	0	0
99°	0	0	0	0	0
99.5°	0	0	0	0	0
100°	0	0	0	0	0
100.5°	0	0	0	0	0
101°	0	0	0	0	0
101.5°	0	0	0	0	0
102°	0	0	0	0	0
102.5°	0	0	0	0	0
103°	0	0	0	0	0
103.5°	0	0	0	0	0
104°	0	0	0	0	0
104.5°	0	0	0	0	0
105°	0	0	0	0	0
105.5°	0	0	0	0	0
106°	0	0	0	0	0
106.5°	0	0	0	0	0
107°	0	0	0	0	0
107.5°	0	0	0	0	0
108°	0	0	0	0	0
108.5°	0	0	0	0	0
109°	0	0	0	0	0
109.5°	0	0	0	0	0
110°	0	0	0	0	0
110.5°	0	0	0	0	0
111°	0	0	0	0	0
111.5°	0	0	0	0	0
112°	0	0	0	0	0



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0	0	0	0	0
113°	0	0	0	0	0
113.5°	0	0	0	0	0
114°	0	0	0	0	0
114.5°	0	0	0	0	0
115°	0	0	0	0	0
115.5°	0	0	0	0	0
116°	0	0	0	0	0
116.5°	0	0	0	0	0
117°	0	0	0	0	0
117.5°	0	0	0	0	0
118°	0	0	0	0	0
118.5°	0	0	0	0	0
119°	0	0	0	0	0
119.5°	0	0	0	0	0
120°	0	0	0	0	0
120.5°	0	0	0	0	0
121°	0	0	0	0	0
121.5°	0	0	0	0	0
122°	0	0	0	0	0
122.5°	0	0	0	0	0
123°	0	0	0	0	0
123.5°	0	0	0	0	0
124°	0	0	0	0	0
124.5°	0	0	0	0	0
125°	0	0	0	0	0
125.5°	0	0	0	0	0
126°	0	0	0	0	0
126.5°	0	0	0	0	0
127°	0	0	0	0	0
127.5°	0	0	0	0	0
128°	0	0	0	0	0
128.5°	0	0	0	0	0
129°	0	0	0	0	0
129.5°	0	0	0	0	0
130°	0	0	0	0	0
130.5°	0	0	0	0	0
131°	0	0	0	0	0
131.5°	0	0	0	0	0
132°	0	0	0	0	0
132.5°	0	0	0	0	0
133°	0	0	0	0	0
133.5°	0	0	0	0	0
134°	0	0	0	0	0
134.5°	0	0	0	0	0



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	0	0	0	0	0
135.5°	0	0	0	0	0
136°	0	0	0	0	0
136.5°	0	0	0	0	0
137°	0	0	0	0	0
137.5°	0	0	0	0	0
138°	0	0	0	0	0
138.5°	0	0	0	0	0
139°	0	0	0	0	0
139.5°	0	0	0	0	0
140°	0	0	0	0	0
140.5°	0	0	0	0	0
141°	0	0	0	0	0
141.5°	0	0	0	0	0
142°	0	0	0	0	0
142.5°	0	0	0	0	0
143°	0	0	0	0	0
143.5°	0	0	0	0	0
144°	0	0	0	0	0
144.5°	0	0	0	0	0
145°	0	0	0	0	0
145.5°	0	0	0	0	0
146°	0	0	0	0	0
146.5°	0	0	0	0	0
147°	0	0	0	0	0
147.5°	0	0	0	0	0
148°	0	0	0	0	0
148.5°	0	0	0	0	0
149°	0	0	0	0	0
149.5°	0	0	0	0	0
150°	0	0	0	0	0
150.5°	0	0	0	0	0
151°	0	0	0	0	0
151.5°	0	0	0	0	0
152°	0	0	0	0	0
152.5°	0	0	0	0	0
153°	0	0	0	0	0
153.5°	0	0	0	0	0
154°	0	0	0	0	0
154.5°	0	0	0	0	0
155°	0	0	0	0	0
155.5°	0	0	0	0	0
156°	0	0	0	0	0
156.5°	0	0	0	0	0
157°	0	0	0	0	0



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	0	0	0	0	0
158°	0	0	0	0	0
158.5°	0	0	0	0	0
159°	0	0	0	0	0
159.5°	0	0	0	0	0
160°	0	0	0	0	0
160.5°	0	0	0	0	0
161°	0	0	0	0	0
161.5°	0	0	0	0	0
162°	0	0	0	0	0
162.5°	0	0	0	0	0
163°	0	0	0	0	0
163.5°	0	0	0	0	0
164°	0	0	0	0	0
164.5°	0	0	0	0	0
165°	0	0	0	0	0
165.5°	0	0	0	0	0
166°	0	0	0	0	0
166.5°	0	0	0	0	0
167°	0	0	0	0	0
167.5°	0	0	0	0	0
168°	0	0	0	0	0
168.5°	0	0	0	0	0
169°	0	0	0	0	0
169.5°	0	0	0	0	0
170°	0	0	0	0	0
170.5°	0	0	0	0	0
171°	0	0	0	0	0
171.5°	0	0	0	0	0
172°	0	0	0	0	0
172.5°	0	0	0	0	0
173°	0	0	0	0	0
173.5°	0	0	0	0	0
174°	0	0	0	0	0
174.5°	0	0	0	0	0
175°	0	0	0	0	0
175.5°	0	0	0	0	0
176°	0	0	0	0	0
176.5°	0	0	0	0	0
177°	0	0	0	0	0
177.5°	0	0	0	0	0
178°	0	0	0	0	0
178.5°	0	0	0	0	0
179°	0	0	0	0	0
179.5°	0	0	0	0	0



TEST NUMBER: 17358

CATALOG NUMBER: CORELITE R3-WB-3T8-1C-UNV-24-T1 (MICRO BAFFLE)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	0	0	0	0	0

(END OF REPORT)