

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: METALUX

Report Number: L071707801

Luminaire Tested: **RHB-12-UNV-L840-CD-U WITH RHB-CLR**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: L071707801
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: RHB-12-UNV-L840-CD-U WITH RHB-CLR
Description: LED High bay
Light Source: -
Ballast/Driver: -
MEAN WELL HLG-120H-42B

Summary

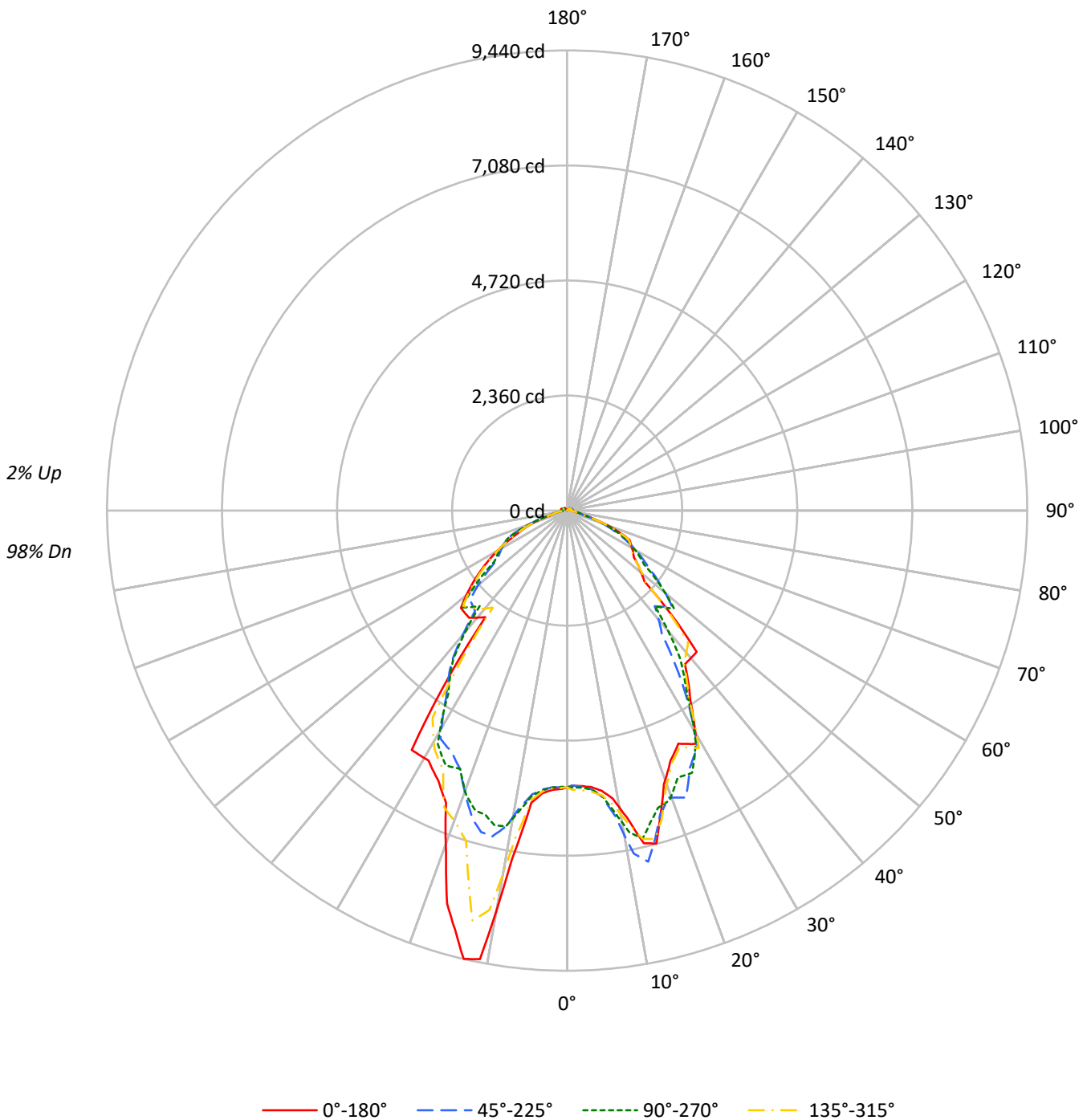
Lumens per Lamp: N/A
Luminaire Lumens: 14051.4 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.26 / 1.22
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 114.21
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

TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

Luminous Intensity Polar Plot





TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98	
1	111	106	103	99	108	104	100	97	99	96	94	95	92	90	91	89	87	87	87	87	85	
2	102	94	88	83	99	92	87	82	88	84	80	85	81	77	81	78	75	75	75	75	73	
3	94	84	77	71	91	82	76	70	79	73	69	76	71	67	73	69	66	66	66	66	64	
4	87	76	68	62	84	74	67	61	71	65	60	69	63	59	66	62	58	58	58	58	56	
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	55	51	51	51	51	49	
6	75	62	54	48	73	61	53	48	59	52	47	57	51	47	55	50	46	46	46	46	44	
7	70	57	49	43	68	56	48	43	54	47	42	53	46	42	51	46	41	41	41	41	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	42	38	47	42	38	38	38	38	36	
9	61	48	41	35	60	48	40	35	46	40	35	45	39	35	44	38	34	34	34	34	33	
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	32	32	32	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46762	46762	46762	46762
5°	47082	47478	48115	47586
10°	51807	54354	69457	53655
15°	60289	56401	75824	55105
20°	51579	54682	63795	53633
25°	48519	54099	56316	52534
30°	50064	49589	55751	49691
35°	43634	42215	45014	42181
40°	42477	34693	30828	34935
45°	35413	32816	34580	32612
50°	25488	33620	34572	32907
55°	23979	27712	31287	26147
60°	25350	26395	27326	26008
65°	27438	24846	22196	26055
70°	21082	19420	17879	20167
75°	10914	10755	11010	10755
80°	10434	10481	10742	10410
85°	9166	9827	10111	9544



TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.9	4.1
10°-20°	1965.0	14.0
20°-30°	2686.9	19.1
30°-40°	2591.2	18.4
40°-50°	2225.9	15.8
50°-60°	1811.0	12.9
60°-70°	1193.3	8.5
70°-80°	547.6	3.9
80°-90°	168.3	1.2
90°-100°	109.6	0.8
100°-110°	106.7	0.8
110°-120°	78.5	0.6
120°-130°	62.8	0.4
130°-140°	47.7	0.3
140°-150°	8.2	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5228.8	37.2
0°-40°	7820.1	55.7
0°-60°	11856.9	84.4
0°-90°	13766.1	98.0
90°-120°	294.7	2.1
90°-150°	413.4	2.9
90°-180°	413.0	2.9
0°-180°	14051.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5678	5678	5678	5678	5678	
5°	5695	5743	5820	5756	5695	557
15°	7071	6615	8893	6463	7071	1864
25°	5339	5953	6197	5781	5339	2540
35°	4340	4199	4477	4195	4340	2788
45°	3040	2818	2969	2800	3040	2160
55°	1670	1930	2179	1821	1670	1583
65°	1408	1275	1139	1337	1408	1198
75°	343	338	346	338	343	579
85°	97	104	107	101	97	127
90°	84	86	93	84	84	50
95°	101	116	115	110	101	76
105°	90	107	128	99	90	94
115°	71	76	81	73	71	73
125°	64	70	72	68	64	59
135°	67	70	71	69	67	46
145°	8	8	9	8	8	8
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: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678
1°	5646	5638	5667	5727	5726	5662	5666	5685	5664	5639	5637
3°	5660	5649	5676	5744	5743	5683	5691	5704	5681	5668	5665
5°	5695	5689	5722	5787	5795	5739	5756	5767	5743	5740	5748
7°	5787	5784	5810	5890	5904	5867	5891	5918	5912	5920	5951
9°	5980	5973	6014	6118	6170	6160	6232	6274	6293	6354	6615
11°	6410	6401	6452	6533	6571	6557	6600	6618	6732	7169	7817
13°	7003	6985	6951	6911	6808	6673	6628	6567	6781	7392	8096
15°	7071	7054	7023	6972	6817	6606	6463	6345	6522	6970	7460
17°	6543	6526	6562	6625	6618	6526	6435	6277	6270	6525	6822
19.5°	5953	5944	5984	6051	6094	6135	6196	6197	6154	6246	6552
22.5°	5546	5504	5538	5607	5643	5685	5737	5792	6008	6371	6579
25.5°	5298	5279	5320	5370	5394	5556	5790	5885	5880	5847	5848
29°	5474	5510	5575	5571	5496	5484	5474	5434	5446	5505	5563
33°	4636	4629	4616	4575	4530	4522	4479	4383	4373	4440	4793
37.5°	3970	3982	3964	3935	3883	3879	3841	3773	3682	3191	2644
42.5°	3932	3947	3905	3670	3067	2693	2658	2641	2650	2659	2693
47.5°	2149	2143	2110	2190	2488	2782	2942	3007	2957	2922	2906
55°	1670	1651	1656	1653	1691	1737	1821	1895	1980	2043	2107
65°	1408	1403	1394	1387	1389	1357	1337	1303	1254	1210	1182
75°	343	344	344	345	344	344	338	340	339	338	343
85°	97	97	98	99	100	101	101	102	102	103	104
90°	84	83	84	84	83	83	84	85	85	88	89
95°	101	99	96	96	98	103	110	114	115	112	110
100°	93	99	98	99	97	97	96	95	96	97	100
105°	90	87	88	87	91	96	99	101	107	112	120
110°	84	80	81	83	85	88	90	98	102	105	110
115°	71	71	71	72	72	73	73	74	76	78	80
120°	67	67	67	68	68	69	70	71	73	74	75
125°	64	64	64	65	65	67	68	69	70	70	71
130°	70	69	70	70	70	71	72	73	73	73	73
135°	67	68	69	69	69	69	69	69	69	69	70
140°	33	33	34	34	34	34	33	32	33	33	34
145°	8	8	8	8	8	8	8	8	8	8	8
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678
1°	5647	5711	5700	5662	5689	5649	5643	5679	5686	5668	5677
3°	5673	5735	5729	5691	5708	5673	5658	5691	5702	5685	5687
5°	5752	5820	5807	5769	5781	5739	5714	5743	5752	5736	5739
7°	5970	6038	6020	5981	5976	5928	5885	5900	5902	5876	5865
9°	6941	7238	7268	7100	6799	6465	6288	6268	6243	6202	6153
11°	8642	9373	9521	9046	8345	7648	7084	6731	6700	6652	6605
13°	8808	9440	9639	9177	8630	7931	7272	6898	6819	6819	6863
15°	7876	8893	9415	8529	7821	7399	6933	6615	6597	6697	6824
17°	7279	8427	8659	7664	7087	6797	6510	6378	6513	6569	6621
19.5°	7081	7437	7407	7244	6810	6382	6247	6301	6353	6305	6219
22.5°	6548	6489	6453	6484	6589	6527	6198	5930	5818	5809	5739
25.5°	5967	6139	6171	6023	5902	5820	5837	5958	5903	5754	5495
29°	5692	5865	5889	5714	5604	5543	5456	5444	5426	5397	5357
33°	5228	5855	6018	5567	5067	4754	4593	4526	4531	4549	4557
37.5°	2476	2755	2850	2554	2509	2920	3512	3790	3830	3852	3882
42.5°	2773	2980	3036	2845	2735	2704	2683	2664	2655	2652	2793
47.5°	2889	2958	3002	2920	2895	2928	2944	2971	2951	2827	2703
55°	2143	2179	2210	2161	2128	2079	1998	1930	1852	1813	1740
65°	1172	1139	1140	1155	1168	1207	1230	1275	1317	1328	1358
75°	341	346	346	348	342	338	339	338	336	336	338
85°	106	107	107	107	108	107	104	104	105	105	103
90°	91	93	95	93	91	89	88	86	85	85	84
95°	111	115	114	118	120	115	111	116	109	110	107
100°	102	104	101	100	97	96	95	95	98	101	96
105°	127	128	124	132	128	120	115	107	102	99	95
110°	106	101	101	95	97	96	95	94	91	92	93
115°	81	81	80	80	79	79	78	76	74	73	72
120°	75	75	75	74	74	74	74	74	72	72	70
125°	71	72	72	72	71	71	70	70	69	68	67
130°	73	73	73	73	73	73	73	73	73	72	72
135°	71	71	72	71	71	71	70	70	69	69	69
140°	35	35	35	35	35	34	34	34	33	33	33
145°	9	9	9	8	8	8	8	8	8	8	8
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678
1°	5685	5669	5646	5638	5667	5727	5726	5662	5666	5685	5664
3°	5700	5678	5660	5649	5676	5744	5743	5683	5691	5704	5681
5°	5743	5720	5695	5689	5722	5787	5795	5739	5756	5767	5743
7°	5855	5821	5787	5784	5810	5890	5904	5867	5891	5918	5912
9°	6118	6048	5980	5973	6014	6118	6170	6160	6232	6274	6293
11°	6552	6482	6410	6401	6452	6533	6571	6557	6600	6618	6732
13°	6940	6968	7003	6985	6951	6911	6808	6673	6628	6567	6781
15°	6937	7008	7071	7054	7023	6972	6817	6606	6463	6345	6522
17°	6647	6614	6543	6526	6562	6625	6618	6526	6435	6277	6270
19.5°	6155	6057	5953	5944	5984	6051	6094	6135	6196	6197	6154
22.5°	5704	5648	5546	5504	5538	5607	5643	5685	5737	5792	6008
25.5°	5403	5355	5298	5279	5320	5370	5394	5556	5790	5885	5880
29°	5460	5532	5474	5510	5575	5571	5496	5484	5474	5434	5446
33°	4589	4602	4636	4629	4616	4575	4530	4522	4479	4383	4373
37.5°	3915	3930	3970	3982	3964	3935	3883	3879	3841	3773	3682
42.5°	3194	3698	3932	3947	3905	3670	3067	2693	2658	2641	2650
47.5°	2479	2235	2149	2143	2110	2190	2488	2782	2942	3007	2957
55°	1698	1682	1670	1651	1656	1653	1691	1737	1821	1895	1980
65°	1353	1390	1408	1403	1394	1387	1389	1357	1337	1303	1254
75°	334	339	343	344	344	345	344	344	338	340	339
85°	102	100	97	97	98	99	100	101	101	102	102
90°	83	83	84	83	84	84	83	83	84	85	85
95°	105	105	101	99	96	96	98	103	110	114	115
100°	96	99	93	99	98	99	97	97	96	95	96
105°	95	91	90	87	88	87	91	96	99	101	107
110°	92	90	84	80	81	83	85	88	90	98	102
115°	72	71	71	71	71	72	72	73	73	74	76
120°	69	68	67	67	67	68	68	69	70	71	73
125°	66	65	64	64	64	65	65	67	68	69	70
130°	71	70	70	69	70	70	70	71	72	73	73
135°	69	68	67	68	69	69	69	69	69	69	69
140°	34	33	33	33	34	34	34	34	33	32	33
145°	8	8	8	8	8	8	8	8	8	8	8
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678
1°	5639	5637	5647	5711	5700	5662	5689	5649	5643	5679	5686
3°	5668	5665	5673	5735	5729	5691	5708	5673	5658	5691	5702
5°	5740	5748	5752	5820	5807	5769	5781	5739	5714	5743	5752
7°	5920	5951	5970	6038	6020	5981	5976	5928	5885	5900	5902
9°	6354	6615	6941	7238	7268	7100	6799	6465	6288	6268	6243
11°	7169	7817	8642	9373	9521	9046	8345	7648	7084	6731	6700
13°	7392	8096	8808	9440	9639	9177	8630	7931	7272	6898	6819
15°	6970	7460	7876	8893	9415	8529	7821	7399	6933	6615	6597
17°	6525	6822	7279	8427	8659	7664	7087	6797	6510	6378	6513
19.5°	6246	6552	7081	7437	7407	7244	6810	6382	6247	6301	6353
22.5°	6371	6579	6548	6489	6453	6484	6589	6527	6198	5930	5818
25.5°	5847	5848	5967	6139	6171	6023	5902	5820	5837	5958	5903
29°	5505	5563	5692	5865	5889	5714	5604	5543	5456	5444	5426
33°	4440	4793	5228	5855	6018	5567	5067	4754	4593	4526	4531
37.5°	3191	2644	2476	2755	2850	2554	2509	2920	3512	3790	3830
42.5°	2659	2693	2773	2980	3036	2845	2735	2704	2683	2664	2655
47.5°	2922	2906	2889	2958	3002	2920	2895	2928	2944	2971	2951
55°	2043	2107	2143	2179	2210	2161	2128	2079	1998	1930	1852
65°	1210	1182	1172	1139	1140	1155	1168	1207	1230	1275	1317
75°	338	343	341	346	346	348	342	338	339	338	336
85°	103	104	106	107	107	107	108	107	104	104	105
90°	88	89	91	93	95	93	91	89	88	86	85
95°	112	110	111	115	114	118	120	115	111	116	109
100°	97	100	102	104	101	100	97	96	95	95	98
105°	112	120	127	128	124	132	128	120	115	107	102
110°	105	110	106	101	101	95	97	96	95	94	91
115°	78	80	81	81	80	80	79	79	78	76	74
120°	74	75	75	75	75	74	74	74	74	74	72
125°	70	71	71	72	72	72	71	71	70	70	69
130°	73	73	73	73	73	73	73	73	73	73	73
135°	69	70	71	71	72	71	71	71	70	70	69
140°	33	34	35	35	35	35	35	34	34	34	33
145°	8	8	9	9	9	8	8	8	8	8	8
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678
1°	5668	5677	5685	5669	5646	5638	5667	5727	5726	5662	5666
3°	5685	5687	5700	5678	5660	5649	5676	5744	5743	5683	5691
5°	5736	5739	5743	5720	5695	5689	5722	5787	5795	5739	5756
7°	5876	5865	5855	5821	5787	5784	5810	5890	5904	5867	5891
9°	6202	6153	6118	6048	5980	5973	6014	6118	6170	6160	6232
11°	6652	6605	6552	6482	6410	6401	6452	6533	6571	6557	6600
13°	6819	6863	6940	6968	7003	6985	6951	6911	6808	6673	6628
15°	6697	6824	6937	7008	7071	7054	7023	6972	6817	6606	6463
17°	6569	6621	6647	6614	6543	6526	6562	6625	6618	6526	6435
19.5°	6305	6219	6155	6057	5953	5944	5984	6051	6094	6135	6196
22.5°	5809	5739	5704	5648	5546	5504	5538	5607	5643	5685	5737
25.5°	5754	5495	5403	5355	5298	5279	5320	5370	5394	5556	5790
29°	5397	5357	5460	5532	5474	5510	5575	5571	5496	5484	5474
33°	4549	4557	4589	4602	4636	4629	4616	4575	4530	4522	4479
37.5°	3852	3882	3915	3930	3970	3982	3964	3935	3883	3879	3841
42.5°	2652	2793	3194	3698	3932	3947	3905	3670	3067	2693	2658
47.5°	2827	2703	2479	2235	2149	2143	2110	2190	2488	2782	2942
55°	1813	1740	1698	1682	1670	1651	1656	1653	1691	1737	1821
65°	1328	1358	1353	1390	1408	1403	1394	1387	1389	1357	1337
75°	336	338	334	339	343	344	344	345	344	344	338
85°	105	103	102	100	97	97	98	99	100	101	101
90°	85	84	83	83	84	83	84	84	83	83	84
95°	110	107	105	105	101	99	96	96	98	103	110
100°	101	96	96	99	93	99	98	99	97	97	96
105°	99	95	95	91	90	87	88	87	91	96	99
110°	92	93	92	90	84	80	81	83	85	88	90
115°	73	72	72	71	71	71	71	72	72	73	73
120°	72	70	69	68	67	67	67	68	68	69	70
125°	68	67	66	65	64	64	64	65	65	67	68
130°	72	72	71	70	70	69	70	70	70	71	72
135°	69	69	69	68	67	68	69	69	69	69	69
140°	33	33	34	33	33	33	34	34	34	34	33
145°	8	8	8	8	8	8	8	8	8	8	8
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678	5678
1°	5685	5664	5639	5637	5647	5711	5700	5662	5689	5649	5643
3°	5704	5681	5668	5665	5673	5735	5729	5691	5708	5673	5658
5°	5767	5743	5740	5748	5752	5820	5807	5769	5781	5739	5714
7°	5918	5912	5920	5951	5970	6038	6020	5981	5976	5928	5885
9°	6274	6293	6354	6615	6941	7238	7268	7100	6799	6465	6288
11°	6618	6732	7169	7817	8642	9373	9521	9046	8345	7648	7084
13°	6567	6781	7392	8096	8808	9440	9639	9177	8630	7931	7272
15°	6345	6522	6970	7460	7876	8893	9415	8529	7821	7399	6933
17°	6277	6270	6525	6822	7279	8427	8659	7664	7087	6797	6510
19.5°	6197	6154	6246	6552	7081	7437	7407	7244	6810	6382	6247
22.5°	5792	6008	6371	6579	6548	6489	6453	6484	6589	6527	6198
25.5°	5885	5880	5847	5848	5967	6139	6171	6023	5902	5820	5837
29°	5434	5446	5505	5563	5692	5865	5889	5714	5604	5543	5456
33°	4383	4373	4440	4793	5228	5855	6018	5567	5067	4754	4593
37.5°	3773	3682	3191	2644	2476	2755	2850	2554	2509	2920	3512
42.5°	2641	2650	2659	2693	2773	2980	3036	2845	2735	2704	2683
47.5°	3007	2957	2922	2906	2889	2958	3002	2920	2895	2928	2944
55°	1895	1980	2043	2107	2143	2179	2210	2161	2128	2079	1998
65°	1303	1254	1210	1182	1172	1139	1140	1155	1168	1207	1230
75°	340	339	338	343	341	346	346	348	342	338	339
85°	102	102	103	104	106	107	107	107	108	107	104
90°	85	85	88	89	91	93	95	93	91	89	88
95°	114	115	112	110	111	115	114	118	120	115	111
100°	95	96	97	100	102	104	101	100	97	96	95
105°	101	107	112	120	127	128	124	132	128	120	115
110°	98	102	105	110	106	101	101	95	97	96	95
115°	74	76	78	80	81	81	80	80	79	79	78
120°	71	73	74	75	75	75	75	74	74	74	74
125°	69	70	70	71	71	72	72	72	71	71	70
130°	73	73	73	73	73	73	73	73	73	73	73
135°	69	69	69	70	71	71	72	71	71	71	70
140°	32	33	33	34	35	35	35	35	35	34	34
145°	8	8	8	8	9	9	9	8	8	8	8
150°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: L071707801

CATALOG NUMBER: RHB-12-UNV-L840-CD-U WITH RHB-CLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5678	5678	5678	5678	5678	5678	5678
1°	5679	5686	5668	5677	5685	5669	5646
3°	5691	5702	5685	5687	5700	5678	5660
5°	5743	5752	5736	5739	5743	5720	5695
7°	5900	5902	5876	5865	5855	5821	5787
9°	6268	6243	6202	6153	6118	6048	5980
11°	6731	6700	6652	6605	6552	6482	6410
13°	6898	6819	6819	6863	6940	6968	7003
15°	6615	6597	6697	6824	6937	7008	7071
17°	6378	6513	6569	6621	6647	6614	6543
19.5°	6301	6353	6305	6219	6155	6057	5953
22.5°	5930	5818	5809	5739	5704	5648	5546
25.5°	5958	5903	5754	5495	5403	5355	5298
29°	5444	5426	5397	5357	5460	5532	5474
33°	4526	4531	4549	4557	4589	4602	4636
37.5°	3790	3830	3852	3882	3915	3930	3970
42.5°	2664	2655	2652	2793	3194	3698	3932
47.5°	2971	2951	2827	2703	2479	2235	2149
55°	1930	1852	1813	1740	1698	1682	1670
65°	1275	1317	1328	1358	1353	1390	1408
75°	338	336	336	338	334	339	343
85°	104	105	105	103	102	100	97
90°	86	85	85	84	83	83	84
95°	116	109	110	107	105	105	101
100°	95	98	101	96	96	99	93
105°	107	102	99	95	95	91	90
110°	94	91	92	93	92	90	84
115°	76	74	73	72	72	71	71
120°	74	72	72	70	69	68	67
125°	70	69	68	67	66	65	64
130°	73	73	72	72	71	70	70
135°	70	69	69	69	69	68	67
140°	34	33	33	33	34	33	33
145°	8	8	8	8	8	8	8
150°	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0

(END OF REPORT)