

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: P#

Luminaire Tested: **VRVT4S-LD5-15-PC-L840-CD2-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1801-511-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VRVT4S-LD5-15-PC-L840-CD2-U
Description: VRVT4S VAPORTIGHT FIXTURE WITH 4000K LED AND CLEAR POLYCARBONATE LENS
Light Source: -
Ballast/Driver: -

Summary

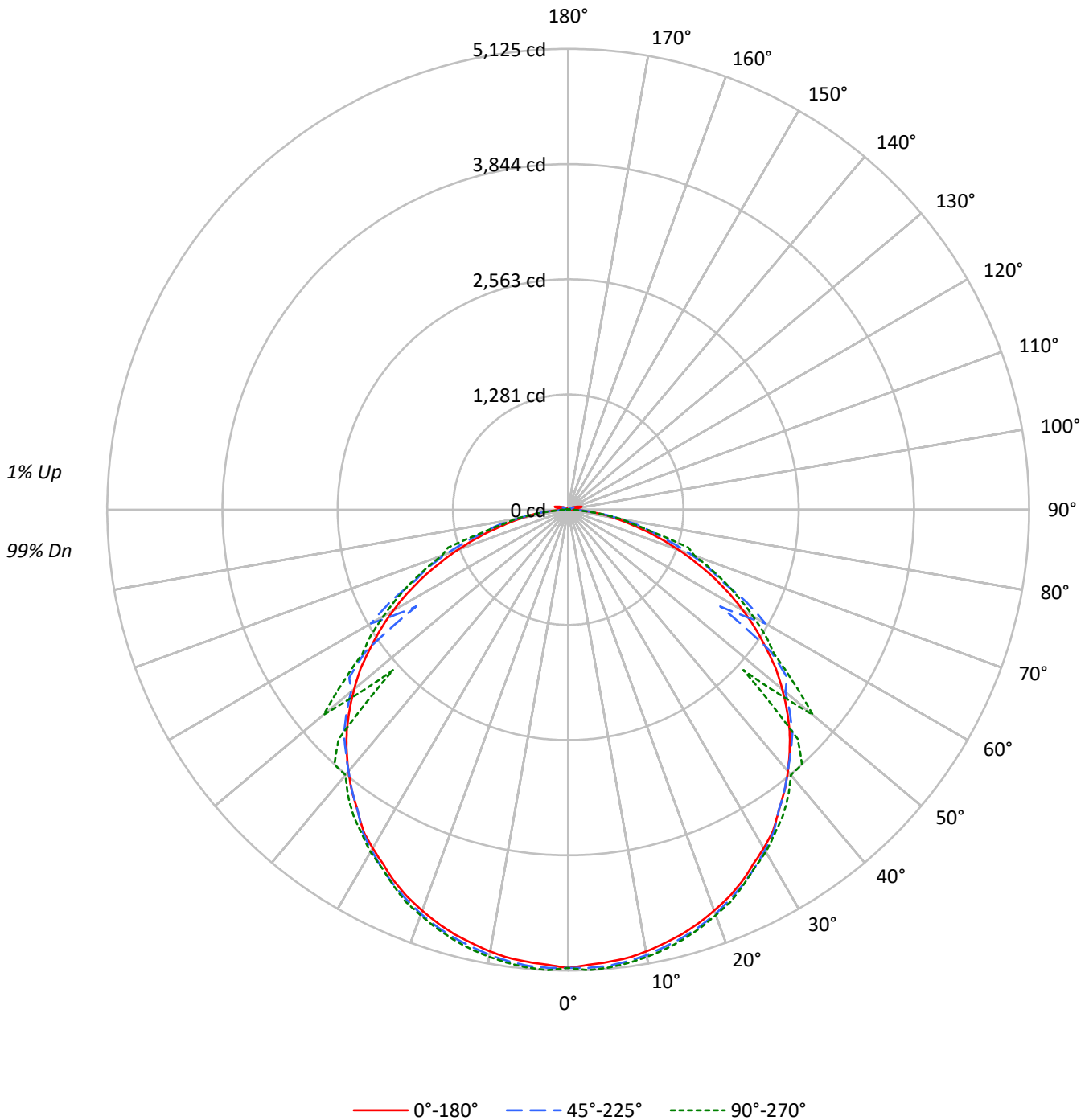
Lumens per Lamp: N/A
Luminaire Lumens: 14996.0 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 1.08' x L: 2.08' x H: 0.25')
CIE Type: Direct

Input Watts (W): 108.3
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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Luminous Intensity Polar Plot





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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	40	53	46	40	51	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24315	24315	24315
5°	23937	23876	24010
10°	23671	23345	23506
15°	23389	22807	23009
20°	23080	22275	22475
25°	22770	21697	21893
30°	22398	21080	21367
35°	21934	20253	20860
40°	21504	19580	20100
45°	20978	19058	19791
50°	20171	18058	20667
55°	19089	16904	17480
60°	17768	16900	16177
65°	16028	13921	14575
70°	13765	12029	12745
75°	10950	9257	9775
80°	8371	6587	6961
85°	5332	3368	2949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.7	3.2
10°-20°	1389.8	9.3
20°-30°	2116.5	14.1
30°-40°	2575.2	17.2
40°-50°	2682.2	17.9
50°-60°	2451.5	16.3
60°-70°	1866.9	12.4
70°-80°	1013.3	6.8
80°-90°	279.0	1.9
90°-100°	35.8	0.2
100°-110°	48.6	0.3
110°-120°	32.4	0.2
120°-130°	12.5	0.1
130°-140°	5.0	0.0
140°-150°	1.6	0.0
150°-160°	0.9	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	3990.0	26.6
0°-40°	6565.2	43.8
0°-60°	11698.9	78.0
0°-90°	14858.2	99.1
90°-120°	116.8	0.8
90°-150°	135.9	0.9
90°-180°	138.0	0.9
0°-180°	14996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5096	5096	5096	5096	5096	
5°	5050	5071	5093	5112	5114	480
15°	4887	4910	4924	4943	4946	1380
25°	4567	4590	4598	4606	4606	2103
35°	4082	4111	4081	4131	4160	2560
45°	3482	3490	3525	3692	3610	2680
55°	2688	2696	2752	2938	2794	2404
65°	1785	1839	1889	1928	1930	1761
75°	860	956	967	987	987	927
85°	231	251	236	196	196	249
90°	46	66	62	57	55	32
95°	37	30	32	18	17	53
105°	133	172	17	18	16	136
115°	69	43	68	9	9	69
125°	31	23	9	2	3	29
135°	13	10	4	2	2	11
145°	4	2	2	2	1	3
155°	2	2	2	2	2	1
165°	3	3	3	3	3	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5096	5096	5096	5096	5096
2.5°	5067	5083	5100	5118	5125
5°	5050	5071	5093	5112	5114
7.5°	5029	5050	5065	5081	5086
10°	4989	5019	5029	5040	5049
12.5°	4940	4968	4977	4999	5004
15°	4887	4910	4924	4943	4946
17.5°	4822	4845	4861	4872	4879
20°	4744	4763	4783	4791	4798
22.5°	4663	4675	4694	4707	4719
25°	4567	4590	4598	4606	4606
27.5°	4449	4483	4489	4477	4487
30°	4347	4370	4374	4360	4395
32.5°	4239	4240	4252	4249	4272
35°	4082	4111	4081	4131	4160
37.5°	3948	3972	3947	4023	4018
40°	3800	3823	3798	3863	3852
42.5°	3645	3665	3659	3689	3846
45°	3482	3490	3525	3692	3610
47.5°	3298	3305	3342	3282	2640
50°	3106	3113	3152	2480	3550
52.5°	2912	2902	3066	3335	3157
55°	2688	2696	2752	2938	2794
57.5°	2473	2491	2004	2585	2599
60°	2249	2282	2532	2366	2373
62.5°	2017	2073	2239	2148	2155
65°	1785	1839	1889	1928	1930
67.5°	1538	1621	1685	1670	1711
70°	1312	1274	1450	1445	1493
72.5°	1078	1171	1191	1034	1401
75°	860	956	967	987	987
77.5°	666	722	805	766	738
80°	512	528	577	595	585
82.5°	381	359	398	415	376
85°	231	251	236	196	196
87.5°	95	120	106	97	86
90°	46	66	62	57	55
92.5°	48	46	33	23	18
95°	37	30	32	18	17
97.5°	70	22	22	16	13
100°	130	19	20	16	11
102.5°	155	28	20	16	16
105°	133	172	17	18	16
107.5°	113	78	13	16	18
110°	95	55	11	15	17



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	80	41	11	11	15
115°	69	43	68	9	9
117.5°	58	68	30	7	9
120°	47	39	18	9	6
122.5°	37	29	12	3	6
125°	31	23	9	2	3
127.5°	25	19	6	2	2
130°	20	18	4	2	2
132.5°	17	13	11	2	2
135°	13	10	4	2	2
137.5°	10	8	3	2	2
140°	8	6	2	2	1
142.5°	6	4	2	2	1
145°	4	2	2	2	1
147.5°	3	2	2	2	2
150°	2	2	2	2	2
152.5°	2	2	2	2	2
155°	2	2	2	2	2
157.5°	2	2	2	2	2
160°	2	2	2	2	2
162.5°	3	3	3	3	2
165°	3	3	3	3	3
167.5°	3	3	3	3	3
170°	3	3	3	3	3
172.5°	3	3	3	3	3
175°	3	3	3	3	3
177.5°	3	3	3	3	3
180°	3	3	3	3	3

(END OF REPORT)