

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-LD5-18-PCF-L835-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 (G3-1801-511-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VRVT4S-LD5-18-PCF-L835-CD2-U
Description: VRVT4S VAPORTIGHT FIXTURE WITH 3500K LED AND FROSTED POLYCARBONATE LENS
Light Source: -
Ballast/Driver: -

Summary

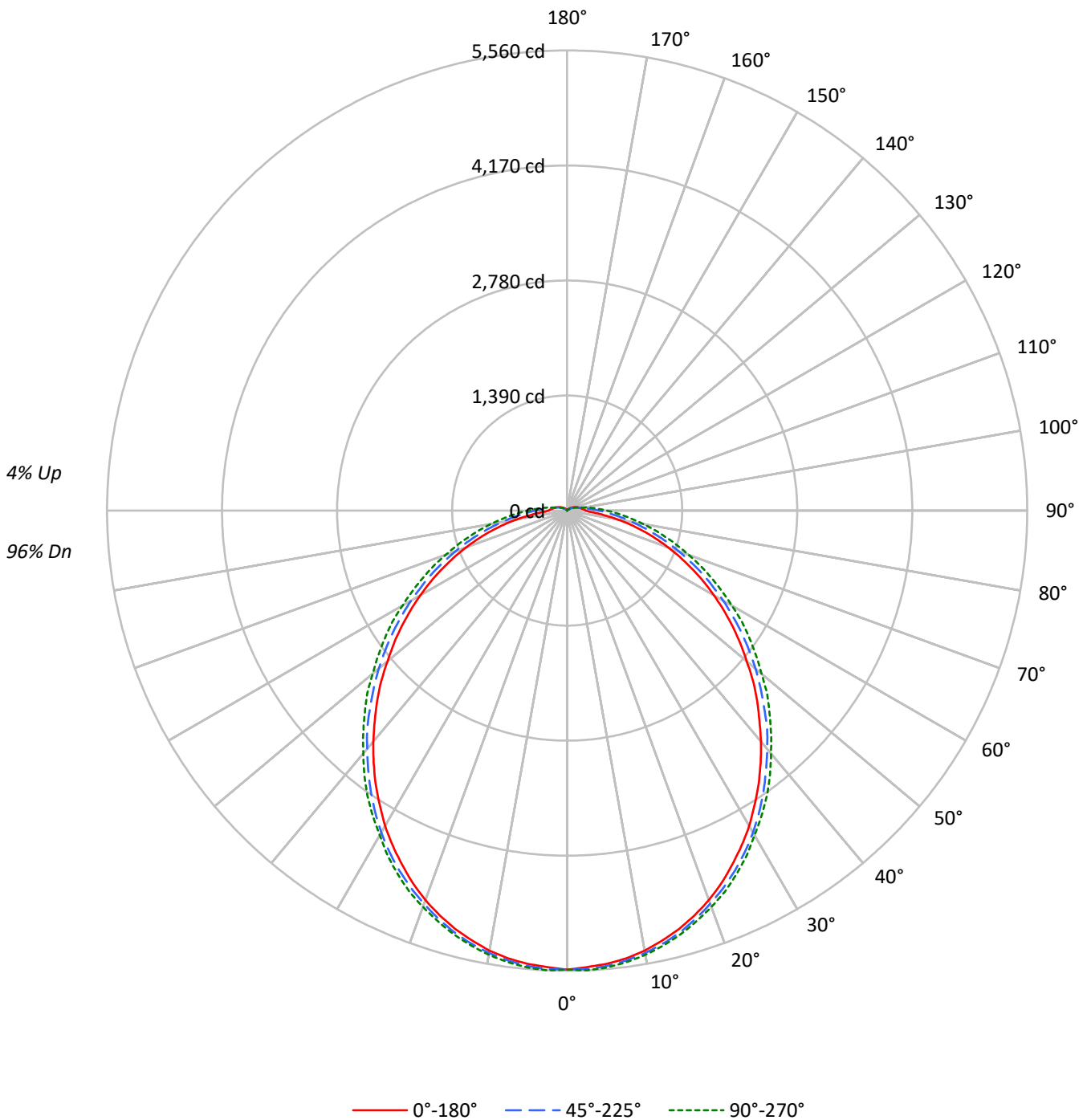
Lumens per Lamp: N/A
Luminaire Lumens: 15826.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 1.08' x L: 2.08' x H: 0.25')
CIE Type: Direct

Input Watts (W): 137.5
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	85	86	83	81	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	55	46	40	52	45	39	50	44	39	48	43	38	36
7	64	51	42	36	62	50	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	38	32	58	45	37	32	44	36	31	42	36	31	41	35	30	28
9	56	42	34	29	54	42	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	26	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26465	26465	26465
5°	26055	25891	26018
10°	25617	25195	25378
15°	25040	24425	24652
20°	24360	23544	23868
25°	23532	22639	23033
30°	22668	21651	22019
35°	21672	20536	21092
40°	20617	19385	19995
45°	19567	18196	18961
50°	18384	17035	17844
55°	17336	15797	16827
60°	16179	14541	15663
65°	14962	13252	14496
70°	13589	11889	13290
75°	12055	10484	12187
80°	10146	9154	11097
85°	7991	7984	10241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.9	3.3
10°-20°	1485.2	9.4
20°-30°	2205.9	13.9
30°-40°	2581.8	16.3
40°-50°	2594.4	16.4
50°-60°	2300.2	14.5
60°-70°	1784.6	11.3
70°-80°	1164.1	7.4
80°-90°	608.0	3.8
90°-100°	290.8	1.8
100°-110°	151.4	1.0
110°-120°	82.4	0.5
120°-130°	38.8	0.2
130°-140°	11.9	0.1
140°-150°	1.7	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	4215.1	26.6
0°-40°	6796.8	42.9
0°-60°	11691.5	73.9
0°-90°	15248.2	96.3
90°-120°	524.6	3.3
90°-150°	577.0	3.6
90°-180°	578.0	3.7
0°-180°	15826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5546	5546	5546	5546	5546	
5°	5497	5504	5523	5536	5542	522
15°	5232	5245	5273	5291	5299	1474
25°	4720	4749	4798	4835	4846	2174
35°	4033	4074	4138	4189	4206	2521
45°	3248	3291	3366	3430	3459	2503
55°	2441	2486	2572	2659	2690	2183
65°	1666	1712	1798	1895	1920	1652
75°	947	992	1095	1196	1231	1005
85°	346	443	559	657	681	343
90°	224	288	383	456	473	126
95°	194	207	258	311	324	153
105°	142	135	139	141	148	151
115°	97	80	81	76	82	97
125°	59	48	34	35	44	54
135°	31	24	6	7	13	24
145°	8	5	0	0	0	6
155°	2	2	0	0	0	1
165°	2	2	1	0	0	1
175°	4	2	1	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5546.4	5546.4	5546.4	5546.4	5546.4
2.5°	5520.5	5527.6	5542.9	5558.2	5560.5
5°	5497.0	5504.0	5522.9	5535.8	5541.7
7.5°	5456.9	5464.0	5481.6	5499.3	5501.7
10°	5399.2	5408.6	5427.5	5447.5	5451.0
12.5°	5320.3	5335.6	5359.2	5376.8	5381.6
15°	5232.0	5245.0	5273.2	5290.9	5299.1
17.5°	5126.0	5142.5	5171.9	5193.1	5202.6
20°	5007.1	5023.6	5055.4	5091.9	5095.4
22.5°	4872.8	4898.7	4932.9	4968.2	4982.4
25°	4719.8	4749.2	4797.5	4835.2	4845.8
27.5°	4564.3	4592.6	4651.5	4690.3	4698.6
30°	4399.4	4430.1	4492.5	4523.1	4529.0
32.5°	4215.7	4251.1	4318.2	4360.6	4371.2
35°	4033.2	4074.4	4138.0	4188.7	4206.3
37.5°	3840.1	3886.0	3947.3	4012.0	4026.2
40°	3643.4	3691.7	3760.0	3820.1	3831.9
42.5°	3438.5	3491.5	3576.3	3624.6	3647.0
45°	3247.8	3291.3	3365.5	3430.3	3458.6
47.5°	3046.4	3090.0	3167.7	3244.2	3276.0
50°	2830.9	2889.8	2973.4	3047.6	3065.2
52.5°	2640.1	2696.7	2769.7	2852.1	2879.2
55°	2441.1	2485.9	2571.8	2659.0	2689.6
57.5°	2243.3	2291.6	2370.5	2458.8	2504.7
60°	2047.8	2093.7	2178.5	2270.4	2297.5
62.5°	1858.2	1905.3	1981.9	2082.0	2109.1
65°	1666.3	1712.2	1798.2	1894.7	1919.5
67.5°	1480.2	1523.8	1612.1	1714.6	1745.2
70°	1295.3	1351.9	1433.1	1528.5	1556.8
72.5°	1121.1	1170.5	1263.5	1360.1	1393.1
75°	946.8	991.5	1095.2	1196.4	1230.6
77.5°	783.1	840.8	942.1	1052.8	1079.8
80°	620.6	681.8	801.9	907.9	932.6
82.5°	473.4	552.3	674.8	779.6	794.9
85°	346.2	442.8	559.4	657.1	680.6
87.5°	260.2	354.5	468.7	549.9	571.1
90°	223.7	288.5	382.7	455.7	473.4
92.5°	208.4	240.2	314.4	379.2	391.0
95°	194.3	207.3	257.9	310.9	323.8
97.5°	180.2	184.9	216.7	254.4	265.0
100°	167.2	168.4	182.5	209.6	216.7
102.5°	154.3	150.7	156.6	170.7	176.6
105°	142.5	135.4	139.0	141.3	148.4
107.5°	130.7	120.1	122.5	120.1	123.6
110°	118.9	104.8	107.2	103.6	107.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	107.2	91.9	94.2	89.5	94.2
115°	96.6	80.1	81.3	76.5	82.4
117.5°	87.1	71.8	68.3	64.8	71.8
120°	76.5	62.4	56.5	54.2	62.4
122.5°	68.3	55.3	44.7	44.7	53.0
125°	58.9	48.3	34.1	35.3	43.6
127.5°	51.8	41.2	24.7	28.3	35.3
130°	44.7	35.3	15.3	21.2	28.3
132.5°	36.5	28.3	9.4	14.1	20.0
135°	30.6	23.6	5.9	7.1	13.0
137.5°	24.7	17.7	2.4	1.2	5.9
140°	18.8	13.0	1.2	0.0	0.0
142.5°	13.0	8.2	0.0	0.0	0.0
145°	8.2	4.7	0.0	0.0	0.0
147.5°	4.7	2.4	0.0	0.0	0.0
150°	2.4	1.2	0.0	0.0	0.0
152.5°	2.4	1.2	0.0	0.0	0.0
155°	2.4	2.4	0.0	0.0	0.0
157.5°	2.4	2.4	1.2	0.0	0.0
160°	2.4	2.4	1.2	0.0	0.0
162.5°	2.4	2.4	1.2	0.0	0.0
165°	2.4	2.4	1.2	0.0	0.0
167.5°	2.4	2.4	1.2	0.0	0.0
170°	2.4	2.4	1.2	0.0	0.0
172.5°	2.4	2.4	1.2	0.0	0.0
175°	3.5	2.4	1.2	0.0	0.0
177.5°	3.5	2.4	1.2	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)