

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P798323

Luminaire Tested: 4VT3-SL3C3-G-UNV-MID-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4VT3-SL3C3-G-UNV-MID-4000K  
Description: Vaportite LED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

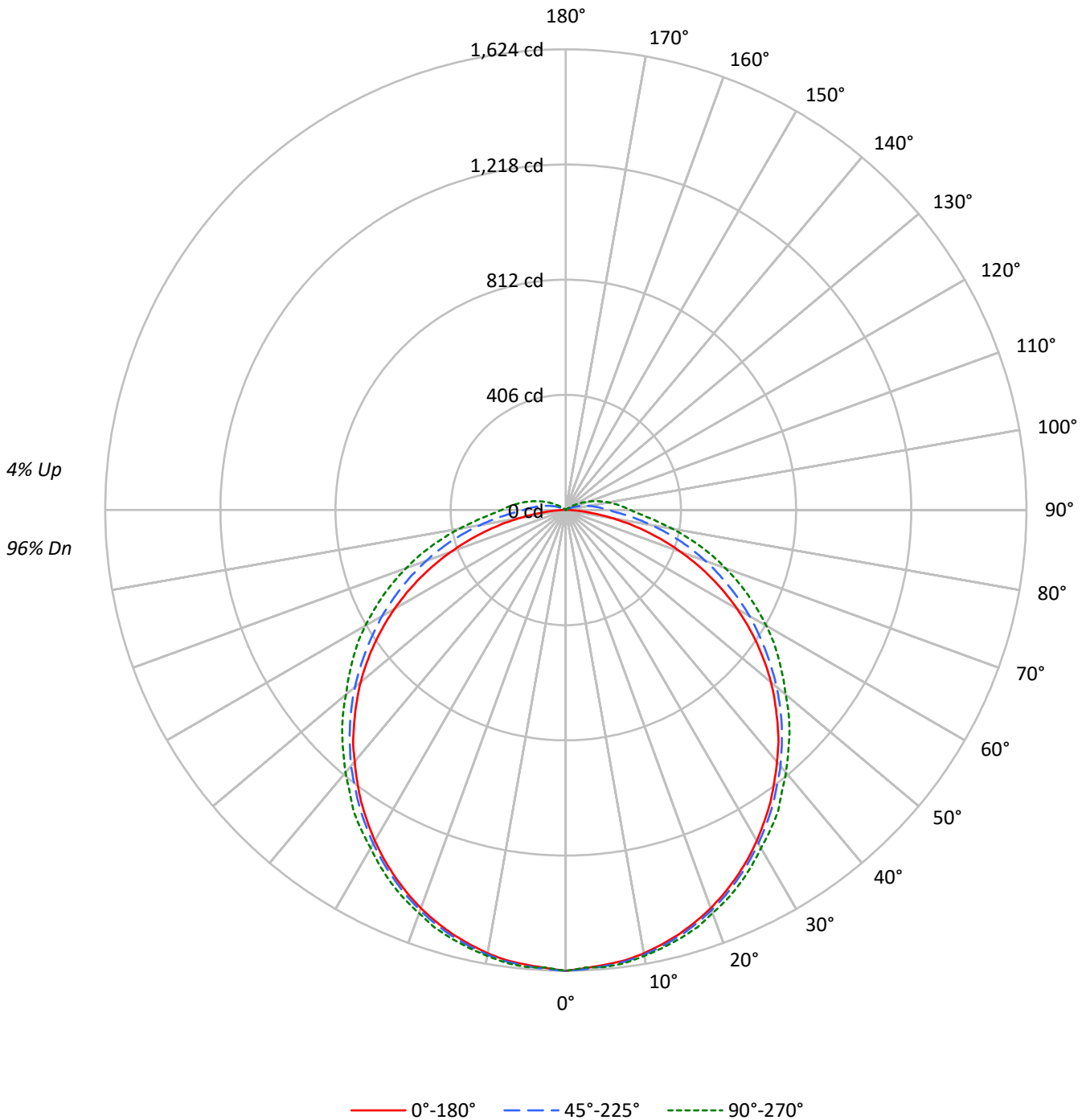
Lumens per Lamp: N/A  
Luminaire Lumens: 5156.0 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.6  
Input Voltage (V): 120  
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: 24 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	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	107	101	96	92	103	99	94	90	93	90	87	89	86	83	85	82	80	85	82	80	78
2	96	88	80	74	93	85	79	73	81	75	71	77	72	68	73	70	66	73	70	66	64
3	88	77	68	61	85	75	67	60	71	64	59	68	62	57	65	60	56	65	60	56	53
4	80	68	58	51	77	66	57	51	63	56	50	60	54	49	57	52	47	57	52	47	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	52	46	41	52	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	32	43	37	32	43	37	32	30
8	58	45	36	30	57	44	36	30	42	35	29	41	34	29	39	33	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	26	37	31	26	36	30	26	36	30	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	23	34	28	23	22

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

	0°	45°	90°
0°	8743	8743	8743
5°	8690	8717	8735
10°	8671	8698	8722
15°	8620	8657	8709
20°	8557	8600	8663
25°	8467	8522	8627
30°	8369	8437	8552
35°	8262	8351	8555
40°	8137	8273	8486
45°	8027	8193	8488
50°	7907	8126	8471
55°	7732	8055	8601
60°	7511	8055	8788
65°	7214	8082	9025
70°	6781	8238	9416
75°	6178	8611	10187
80°	5216	9496	11843
85°	3952	13252	17828

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 31155 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.8	3.0
10°-20°	439.9	8.5
20°-30°	664.2	12.9
30°-40°	799.6	15.5
40°-50°	836.0	16.2
50°-60°	775.0	15.0
60°-70°	630.6	12.2
70°-80°	427.4	8.3
80°-90°	222.7	4.3
90°-100°	116.6	2.3
100°-110°	61.2	1.2
110°-120°	24.0	0.5
120°-130°	4.7	0.1
130°-140°	0.2	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°-30°	1257.9	24.4
0°-40°	2057.5	39.9
0°-60°	3668.6	71.2
0°-90°	4949.3	96.0
90°-120°	201.8	3.9
90°-150°	206.7	4.0
90°-180°	207.0	4.0
0°-180°	5156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1624	1624	1624	1624	1624	
5°	1608	1629	1614	1619	1617	153
15°	1547	1565	1554	1564	1563	436
25°	1426	1445	1435	1446	1453	657
35°	1258	1276	1271	1289	1302	786
45°	1055	1073	1076	1101	1115	814
55°	824	840	858	897	917	736
65°	566	588	635	685	709	560
75°	297	341	414	468	490	314
85°	64	131	215	271	289	74
90°	14	70	149	206	226	9
95°	9	42	114	169	190	7
105°	4	8	56	103	120	4
115°	2	2	16	46	59	2
125°	1	1	0	9	15	1
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: P798323

CATALOG NUMBER: 4VT3-SL3C3-G-UNV-MID-400K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1624.5	1624.5	1624.5	1624.5	1624.5
2.5°	1616.1	1633.7	1619.4	1624.5	1614.4
5°	1608.5	1628.7	1613.5	1618.6	1616.9
7.5°	1600.9	1618.6	1605.1	1611.0	1610.2
10°	1586.6	1604.3	1591.6	1597.5	1595.9
12.5°	1568.1	1586.6	1574.8	1582.4	1580.7
15°	1547.0	1564.7	1553.8	1563.9	1563.0
17.5°	1521.8	1541.1	1529.4	1540.3	1542.0
20°	1494.0	1511.7	1501.6	1510.8	1512.5
22.5°	1461.2	1479.7	1470.4	1480.5	1485.6
25°	1425.8	1445.2	1435.1	1446.0	1452.8
27.5°	1388.0	1406.5	1398.1	1408.2	1416.6
30°	1346.7	1364.4	1357.7	1370.3	1376.2
32.5°	1302.1	1322.3	1314.7	1331.6	1340.0
35°	1257.5	1276.0	1271.0	1288.6	1302.1
37.5°	1207.8	1228.0	1223.0	1242.3	1251.6
40°	1158.2	1178.4	1177.5	1196.0	1207.8
42.5°	1110.2	1124.5	1127.0	1150.6	1160.7
45°	1054.6	1073.2	1076.5	1100.9	1115.2
47.5°	999.9	1017.6	1024.3	1048.8	1066.4
50°	944.4	960.4	970.5	997.4	1011.7
52.5°	885.5	900.6	914.1	946.9	964.6
55°	824.0	840.0	858.5	897.2	916.6
57.5°	761.7	778.6	803.0	845.1	869.5
60°	697.8	718.8	748.3	792.0	816.4
62.5°	633.0	654.0	691.0	738.2	762.6
65°	566.5	587.5	634.6	685.1	708.7
67.5°	499.1	526.1	579.1	633.0	654.0
70°	430.9	462.1	523.5	578.2	598.4
72.5°	363.6	400.6	468.8	523.5	545.4
75°	297.1	340.9	414.1	468.0	489.9
77.5°	231.5	282.8	359.4	414.1	434.3
80°	168.3	227.3	306.4	361.9	382.1
82.5°	111.1	177.6	259.2	314.8	331.6
85°	64.0	131.3	214.6	271.0	288.7
87.5°	29.5	94.3	176.8	233.1	252.5
90°	14.3	69.9	149.0	206.2	226.4
92.5°	10.9	54.7	130.5	187.7	207.9
95°	9.3	42.1	113.6	169.2	190.2
97.5°	7.6	30.3	97.6	151.5	171.7
100°	5.9	21.0	83.3	134.7	154.0
102.5°	5.1	13.5	69.0	117.8	135.5
105°	4.2	8.4	55.6	102.7	119.5
107.5°	3.4	5.1	43.8	86.7	102.7
110°	2.5	2.5	32.8	72.4	87.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.5	23.6	58.1	72.4
115°	1.7	1.7	16.0	46.3	58.9
117.5°	1.7	1.7	9.3	34.5	45.5
120°	0.8	0.8	4.2	23.6	33.7
122.5°	0.8	0.8	0.8	16.0	23.6
125°	0.8	0.8	0.0	9.3	15.2
127.5°	0.8	0.8	0.0	4.2	8.4
130°	0.8	0.8	0.0	0.8	3.4
132.5°	0.8	0.8	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)