

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: P798315

Luminaire Tested: 4VT3-SL3C3-G-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798315  
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-HIGH-3000K  
Description: Vaportite LED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

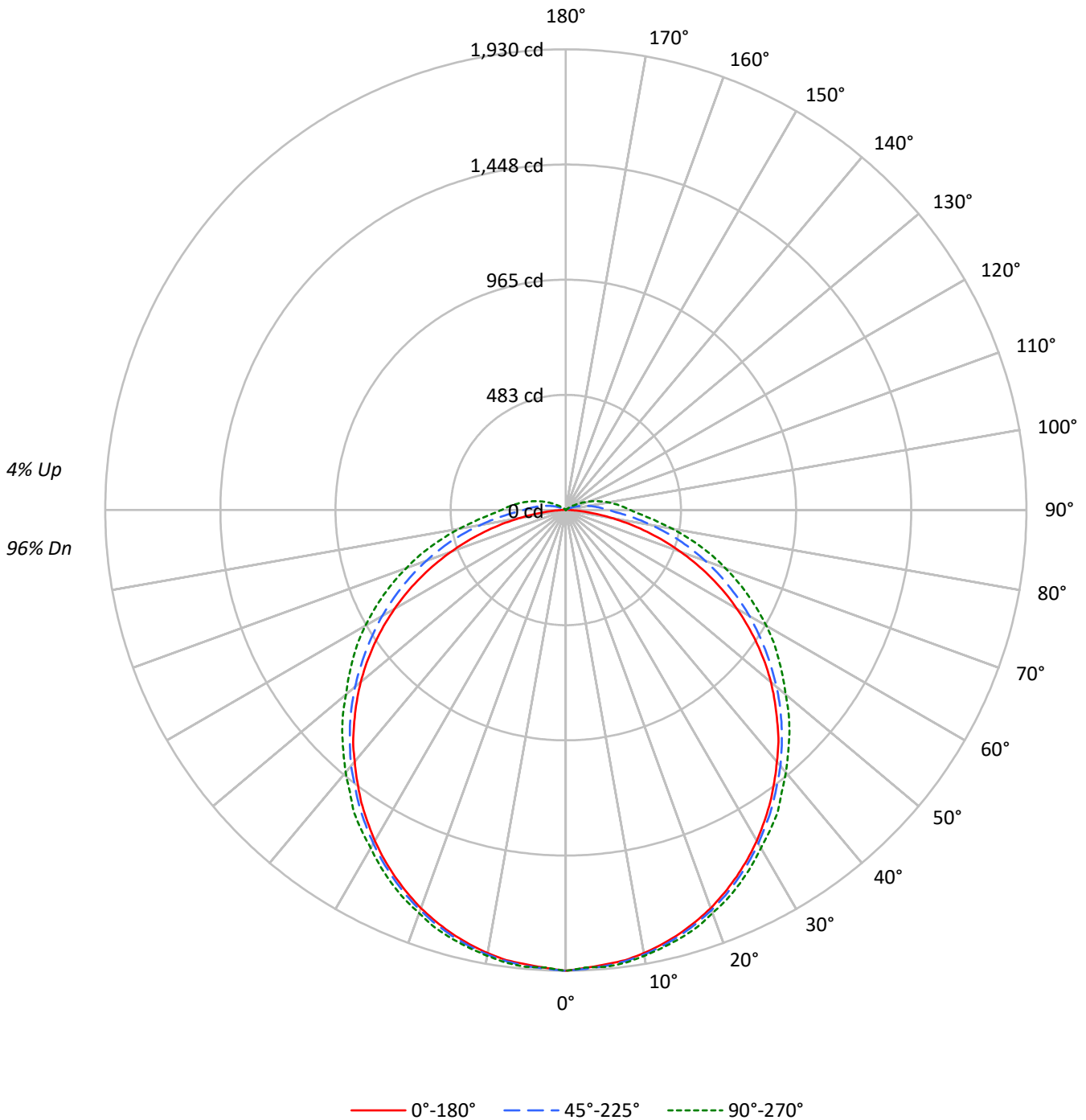
Lumens per Lamp: N/A  
Luminaire Lumens: 6126.0 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.1  
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°	10388	10388	10388
5°	10325	10357	10379
10°	10302	10335	10362
15°	10242	10286	10347
20°	10167	10218	10293
25°	10060	10125	10250
30°	9944	10025	10161
35°	9816	9922	10165
40°	9668	9830	10083
45°	9538	9736	10086
50°	9394	9655	10065
55°	9186	9571	10218
60°	8923	9569	10441
65°	8571	9602	10723
70°	8057	9788	11188
75°	7340	10231	12102
80°	6199	11282	14071
85°	4693	15747	21181

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 37015 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.7	3.0
10°-20°	522.7	8.5
20°-30°	789.1	12.9
30°-40°	950.1	15.5
40°-50°	993.4	16.2
50°-60°	920.8	15.0
60°-70°	749.2	12.2
70°-80°	507.8	8.3
80°-90°	264.6	4.3
90°-100°	138.5	2.3
100°-110°	72.7	1.2
110°-120°	28.5	0.5
120°-130°	5.6	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°	1494.6	24.4
0°-40°	2444.6	39.9
0°-60°	4358.8	71.2
0°-90°	5880.4	96.0
90°-120°	239.7	3.9
90°-150°	245.5	4.0
90°-180°	246.0	4.0
0°-180°	6126.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1930	1930	1930	1930	1930	
5°	1911	1935	1917	1923	1921	182
15°	1838	1859	1846	1858	1857	519
25°	1694	1717	1705	1718	1726	781
35°	1494	1516	1510	1531	1547	934
45°	1253	1275	1279	1308	1325	967
55°	979	998	1020	1066	1089	875
65°	673	698	754	814	842	665
75°	353	405	492	556	582	373
85°	76	156	255	322	343	88
90°	17	83	177	245	269	11
95°	11	50	135	201	226	8
105°	5	10	66	122	142	5
115°	2	2	19	55	70	2
125°	1	1	0	11	18	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

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1930.1	1930.1	1930.1	1930.1	1930.1
2.5°	1920.1	1941.1	1924.1	1930.1	1918.1
5°	1911.1	1935.1	1917.1	1923.1	1921.1
7.5°	1902.1	1923.1	1907.1	1914.1	1913.1
10°	1885.1	1906.1	1891.1	1898.1	1896.1
12.5°	1863.1	1885.1	1871.1	1880.1	1878.1
15°	1838.1	1859.1	1846.1	1858.1	1857.1
17.5°	1808.1	1831.1	1817.1	1830.1	1832.1
20°	1775.1	1796.1	1784.1	1795.1	1797.1
22.5°	1736.1	1758.1	1747.1	1759.1	1765.1
25°	1694.1	1717.1	1705.1	1718.1	1726.1
27.5°	1649.1	1671.1	1661.1	1673.1	1683.1
30°	1600.1	1621.1	1613.1	1628.1	1635.1
32.5°	1547.1	1571.1	1562.1	1582.1	1592.1
35°	1494.1	1516.1	1510.1	1531.1	1547.1
37.5°	1435.1	1459.1	1453.1	1476.1	1487.1
40°	1376.1	1400.1	1399.1	1421.1	1435.1
42.5°	1319.1	1336.1	1339.1	1367.1	1379.1
45°	1253.1	1275.1	1279.1	1308.1	1325.1
47.5°	1188.1	1209.1	1217.1	1246.1	1267.1
50°	1122.0	1141.0	1153.1	1185.1	1202.1
52.5°	1052.0	1070.0	1086.0	1125.0	1146.1
55°	979.0	998.0	1020.0	1066.0	1089.0
57.5°	905.0	925.0	954.0	1004.0	1033.0
60°	829.0	854.0	889.0	941.0	970.0
62.5°	752.0	777.0	821.0	877.0	906.0
65°	673.0	698.0	754.0	814.0	842.0
67.5°	593.0	625.0	688.0	752.0	777.0
70°	512.0	549.0	622.0	687.0	711.0
72.5°	432.0	476.0	557.0	622.0	648.0
75°	353.0	405.0	492.0	556.0	582.0
77.5°	275.0	336.0	427.0	492.0	516.0
80°	200.0	270.0	364.0	430.0	454.0
82.5°	132.0	211.0	308.0	374.0	394.0
85°	76.0	156.0	255.0	322.0	343.0
87.5°	35.0	112.0	210.0	277.0	300.0
90°	17.0	83.0	177.0	245.0	269.0
92.5°	13.0	65.0	155.0	223.0	247.0
95°	11.0	50.0	135.0	201.0	226.0
97.5°	9.0	36.0	116.0	180.0	204.0
100°	7.0	25.0	99.0	160.0	183.0
102.5°	6.0	16.0	82.0	140.0	161.0
105°	5.0	10.0	66.0	122.0	142.0
107.5°	4.0	6.0	52.0	103.0	122.0
110°	3.0	3.0	39.0	86.0	104.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	3.0	28.0	69.0	86.0
115°	2.0	2.0	19.0	55.0	70.0
117.5°	2.0	2.0	11.0	41.0	54.0
120°	1.0	1.0	5.0	28.0	40.0
122.5°	1.0	1.0	1.0	19.0	28.0
125°	1.0	1.0	0.0	11.0	18.0
127.5°	1.0	1.0	0.0	5.0	10.0
130°	1.0	1.0	0.0	1.0	4.0
132.5°	1.0	1.0	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)