

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: P798317

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

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798317  
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-4000K  
Description: Vaportite LED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

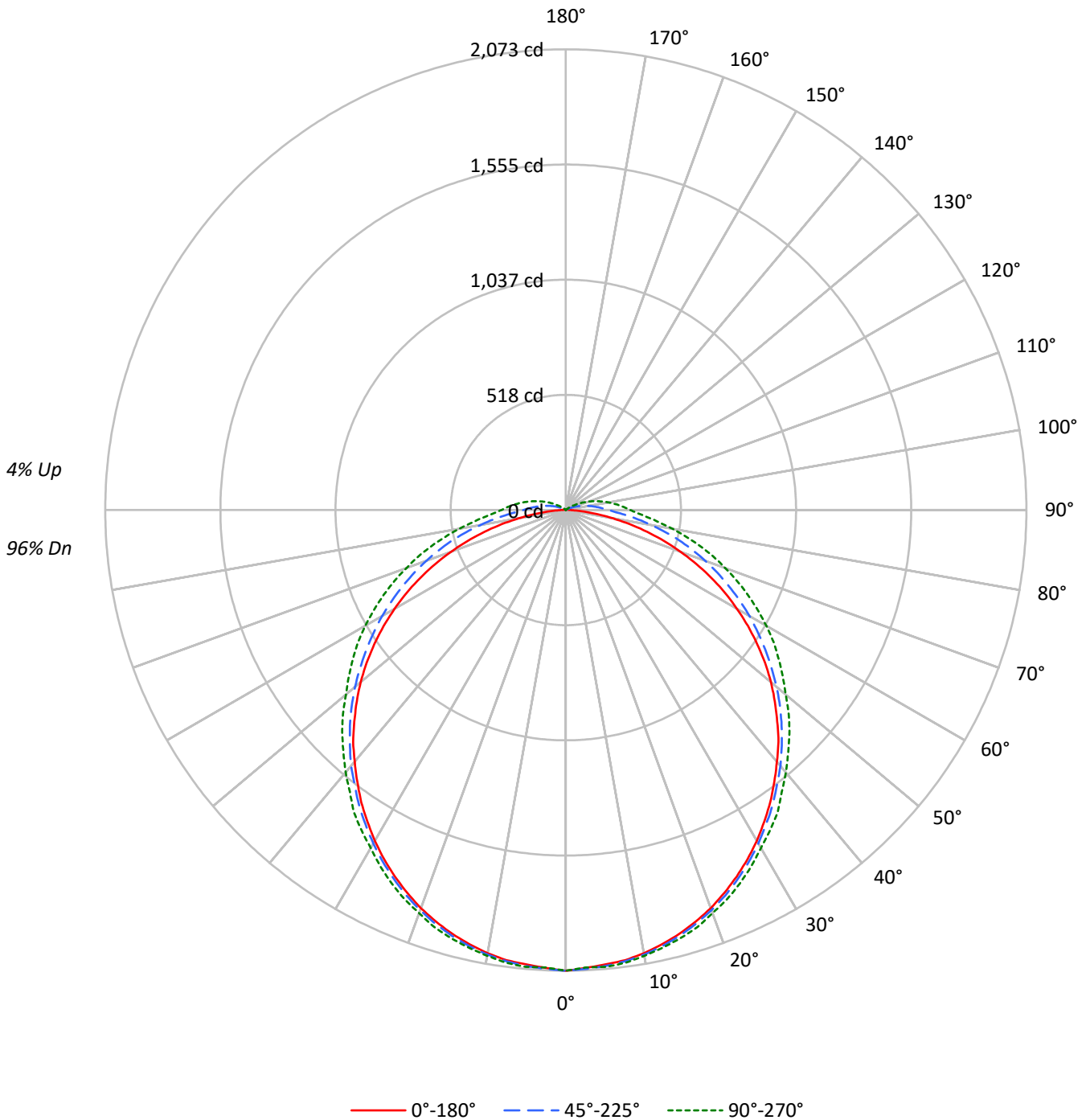
Lumens per Lamp: N/A  
Luminaire Lumens: 6580.0 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.2  
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				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°	11157	11157	11157
5°	11090	11125	11148
10°	11065	11100	11130
15°	11000	11048	11114
20°	10920	10975	11056
25°	10805	10875	11010
30°	10681	10767	10914
35°	10544	10657	10918
40°	10384	10557	10829
45°	10244	10456	10833
50°	10091	10370	10810
55°	9867	10280	10976
60°	9585	10278	11215
65°	9206	10314	11517
70°	8655	10513	12017
75°	7885	10990	13001
80°	6657	12118	15116
85°	5039	16914	22749

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 39754 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.3	3.0
10°-20°	561.4	8.5
20°-30°	847.6	12.9
30°-40°	1020.5	15.5
40°-50°	1066.9	16.2
50°-60°	989.1	15.0
60°-70°	804.7	12.2
70°-80°	545.5	8.3
80°-90°	284.3	4.3
90°-100°	148.7	2.3
100°-110°	78.1	1.2
110°-120°	30.6	0.5
120°-130°	6.0	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°	1605.3	24.4
0°-40°	2625.8	39.9
0°-60°	4681.8	71.2
0°-90°	6316.2	96.0
90°-120°	257.5	3.9
90°-150°	263.7	4.0
90°-180°	264.0	4.0
0°-180°	6580.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2073	2073	2073	2073	2073	
5°	2053	2078	2059	2066	2064	195
15°	1974	1997	1983	1996	1995	557
25°	1820	1844	1831	1845	1854	839
35°	1605	1628	1622	1644	1662	1003
45°	1346	1370	1374	1405	1423	1039
55°	1052	1072	1096	1145	1170	940
65°	723	750	810	874	904	715
75°	379	435	528	597	625	401
85°	82	168	274	346	368	95
90°	18	89	190	263	289	12
95°	12	54	145	216	243	9
105°	5	11	71	131	152	6
115°	2	2	20	59	75	2
125°	1	1	0	12	19	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°	2073.1	2073.1	2073.1	2073.1	2073.1
2.5°	2062.4	2084.9	2066.7	2073.1	2060.2
5°	2052.7	2078.5	2059.2	2065.6	2063.5
7.5°	2043.0	2065.6	2048.4	2055.9	2054.9
10°	2024.8	2047.3	2031.2	2038.8	2036.6
12.5°	2001.2	2024.8	2009.7	2019.4	2017.3
15°	1974.3	1996.9	1982.9	1995.8	1994.7
17.5°	1942.1	1966.8	1951.7	1965.7	1967.9
20°	1906.6	1929.2	1916.3	1928.1	1930.3
22.5°	1864.7	1888.4	1876.6	1889.4	1895.9
25°	1819.6	1844.3	1831.4	1845.4	1854.0
27.5°	1771.3	1794.9	1784.2	1797.1	1807.8
30°	1718.7	1741.2	1732.6	1748.7	1756.2
32.5°	1661.7	1687.5	1677.8	1699.3	1710.1
35°	1604.8	1628.4	1622.0	1644.5	1661.7
37.5°	1541.4	1567.2	1560.8	1585.5	1597.3
40°	1478.0	1503.8	1502.7	1526.4	1541.4
42.5°	1416.8	1435.1	1438.3	1468.4	1481.3
45°	1345.9	1369.6	1373.8	1405.0	1423.3
47.5°	1276.1	1298.7	1307.2	1338.4	1361.0
50°	1205.2	1225.6	1238.5	1272.9	1291.1
52.5°	1130.0	1149.3	1166.5	1208.4	1231.0
55°	1051.6	1072.0	1095.6	1145.1	1169.8
57.5°	972.1	993.6	1024.7	1078.5	1109.6
60°	890.5	917.3	954.9	1010.8	1041.9
62.5°	807.8	834.6	881.9	942.0	973.2
65°	722.9	749.8	809.9	874.4	904.4
67.5°	637.0	671.3	739.0	807.8	834.6
70°	550.0	589.7	668.1	737.9	763.7
72.5°	464.0	511.3	598.3	668.1	696.1
75°	379.2	435.0	528.5	597.2	625.2
77.5°	295.4	360.9	458.7	528.5	554.3
80°	214.8	290.0	391.0	461.9	487.7
82.5°	141.8	226.6	330.8	401.7	423.2
85°	81.6	167.6	273.9	345.9	368.4
87.5°	37.6	120.3	225.6	297.5	322.2
90°	18.3	89.2	190.1	263.2	288.9
92.5°	14.0	69.8	166.5	239.5	265.3
95°	11.8	53.7	145.0	215.9	242.8
97.5°	9.7	38.7	124.6	193.3	219.1
100°	7.5	26.9	106.3	171.9	196.6
102.5°	6.4	17.2	88.1	150.4	172.9
105°	5.4	10.7	70.9	131.0	152.5
107.5°	4.3	6.4	55.9	110.6	131.0
110°	3.2	3.2	41.9	92.4	111.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	3.2	30.1	74.1	92.4
115°	2.1	2.1	20.4	59.1	75.2
117.5°	2.1	2.1	11.8	44.0	58.0
120°	1.1	1.1	5.4	30.1	43.0
122.5°	1.1	1.1	1.1	20.4	30.1
125°	1.1	1.1	0.0	11.8	19.3
127.5°	1.1	1.1	0.0	5.4	10.7
130°	1.1	1.1	0.0	1.1	4.3
132.5°	1.1	1.1	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)