

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: P798318

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

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798318  
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-LOW-3000K  
Description: Vaportite LED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

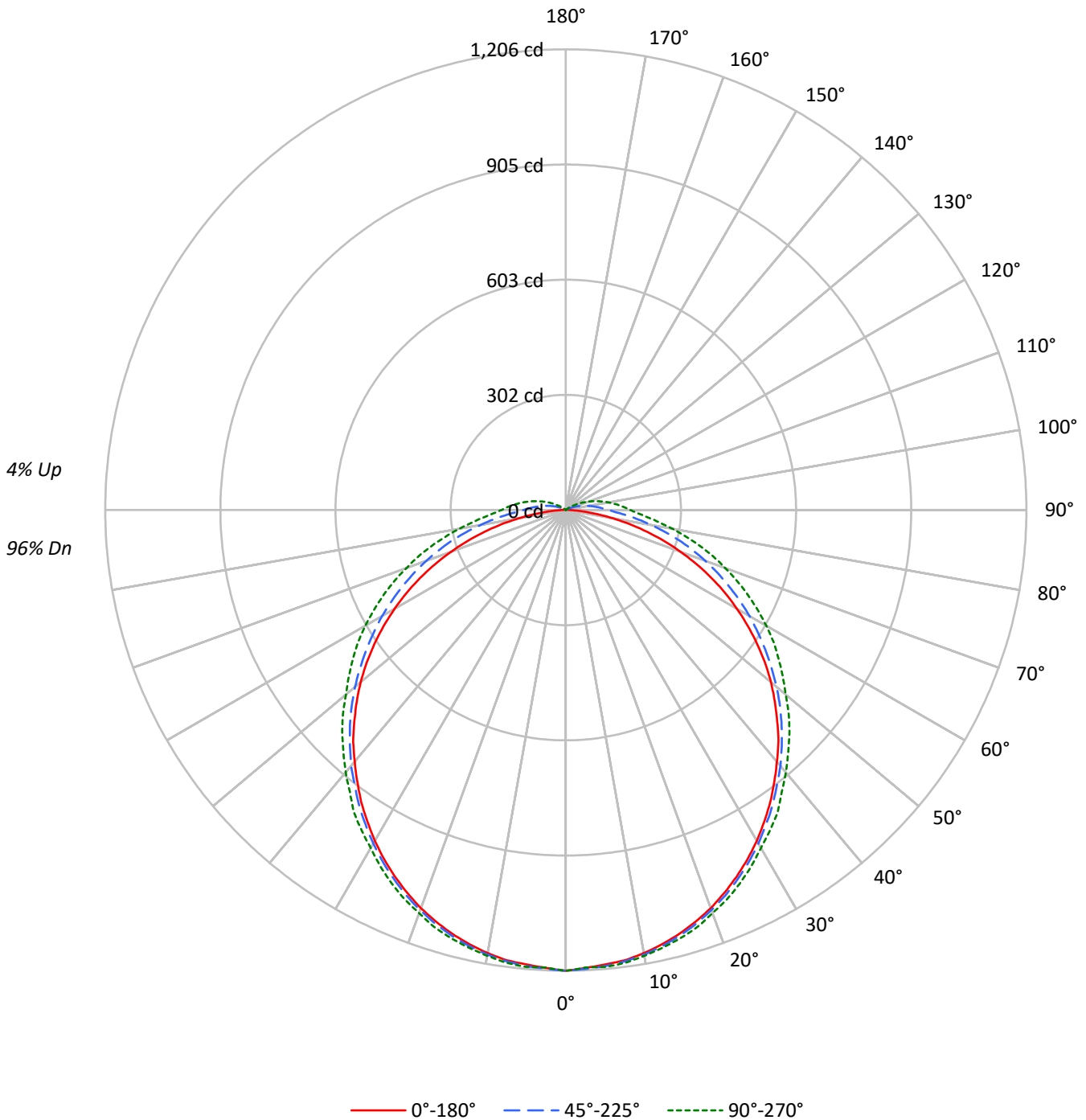
Lumens per Lamp: N/A  
Luminaire Lumens: 3828.0 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.3  
Input Voltage (V): 120  
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: 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°	6491	6491	6491
5°	6452	6472	6485
10°	6437	6458	6475
15°	6400	6428	6466
20°	6353	6385	6432
25°	6286	6327	6405
30°	6213	6264	6349
35°	6134	6200	6351
40°	6041	6142	6300
45°	5960	6084	6302
50°	5870	6033	6289
55°	5741	5981	6385
60°	5576	5979	6525
65°	5356	6001	6701
70°	5035	6117	6991
75°	4587	6394	7563
80°	3874	7051	8793
85°	2933	9843	13233

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 23135 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.2	3.0
10°-20°	326.6	8.5
20°-30°	493.1	12.9
30°-40°	593.7	15.5
40°-50°	620.7	16.2
50°-60°	575.4	15.0
60°-70°	468.2	12.2
70°-80°	317.4	8.3
80°-90°	165.4	4.3
90°-100°	86.5	2.3
100°-110°	45.4	1.2
110°-120°	17.8	0.5
120°-130°	3.5	0.1
130°-140°	0.1	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°	933.9	24.4
0°-40°	1527.6	39.9
0°-60°	2723.7	71.2
0°-90°	3674.6	96.0
90°-120°	149.8	3.9
90°-150°	153.4	4.0
90°-180°	153.0	4.0
0°-180°	3828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1194	1209	1198	1202	1200	114
15°	1149	1162	1154	1161	1160	324
25°	1059	1073	1066	1074	1079	488
35°	934	947	944	957	967	584
45°	783	797	799	817	828	604
55°	612	624	637	666	680	547
65°	421	436	471	509	526	416
75°	221	253	308	347	364	233
85°	48	98	159	201	214	55
90°	11	52	111	153	168	7
95°	7	31	84	126	141	5
105°	3	6	41	76	89	3
115°	1	1	12	34	44	1
125°	1	1	0	7	11	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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CATALOG NUMBER: 4VT3-SL3C3-G-UNV-LOW-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1206.1	1206.1	1206.1	1206.1	1206.1
2.5°	1199.8	1212.9	1202.3	1206.1	1198.6
5°	1194.2	1209.2	1197.9	1201.7	1200.4
7.5°	1188.6	1201.7	1191.7	1196.1	1195.4
10°	1177.9	1191.1	1181.7	1186.1	1184.8
12.5°	1164.2	1177.9	1169.2	1174.8	1173.6
15°	1148.6	1161.7	1153.6	1161.1	1160.4
17.5°	1129.8	1144.2	1135.5	1143.6	1144.8
20°	1109.2	1122.3	1114.8	1121.7	1123.0
22.5°	1084.8	1098.6	1091.7	1099.2	1103.0
25°	1058.6	1073.0	1065.5	1073.6	1078.6
27.5°	1030.5	1044.2	1038.0	1045.5	1051.7
30°	999.8	1013.0	1008.0	1017.3	1021.7
32.5°	966.7	981.7	976.1	988.6	994.8
35°	933.6	947.4	943.6	956.7	966.7
37.5°	896.7	911.7	908.0	922.4	929.2
40°	859.9	874.9	874.2	888.0	896.7
42.5°	824.2	834.9	836.7	854.2	861.7
45°	783.0	796.8	799.3	817.4	828.0
47.5°	742.4	755.5	760.5	778.6	791.8
50°	701.1	713.0	720.5	740.5	751.1
52.5°	657.4	668.6	678.6	703.0	716.1
55°	611.8	623.7	637.4	666.1	680.5
57.5°	565.5	578.0	596.2	627.4	645.5
60°	518.0	533.7	555.5	588.0	606.2
62.5°	469.9	485.6	513.0	548.0	566.2
65°	420.6	436.2	471.2	508.7	526.2
67.5°	370.6	390.6	429.9	469.9	485.6
70°	320.0	343.1	388.7	429.3	444.3
72.5°	270.0	297.5	348.1	388.7	404.9
75°	220.6	253.1	307.5	347.4	363.7
77.5°	171.8	210.0	266.8	307.5	322.5
80°	125.0	168.7	227.5	268.7	283.7
82.5°	82.5	131.9	192.5	233.7	246.2
85°	47.5	97.5	159.4	201.2	214.3
87.5°	21.9	70.0	131.2	173.1	187.5
90°	10.6	51.9	110.6	153.1	168.1
92.5°	8.1	40.6	96.9	139.4	154.4
95°	6.9	31.2	84.4	125.6	141.2
97.5°	5.6	22.5	72.5	112.5	127.5
100°	4.4	15.6	61.9	100.0	114.4
102.5°	3.7	10.0	51.2	87.5	100.6
105°	3.1	6.2	41.2	76.2	88.7
107.5°	2.5	3.7	32.5	64.4	76.2
110°	1.9	1.9	24.4	53.7	65.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	1.9	17.5	43.1	53.7
115°	1.2	1.2	11.9	34.4	43.7
117.5°	1.2	1.2	6.9	25.6	33.7
120°	0.6	0.6	3.1	17.5	25.0
122.5°	0.6	0.6	0.6	11.9	17.5
125°	0.6	0.6	0.0	6.9	11.2
127.5°	0.6	0.6	0.0	3.1	6.2
130°	0.6	0.6	0.0	0.6	2.5
132.5°	0.6	0.6	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)