

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: P188895

Luminaire Tested: **VI-M-128-750-5-VL-56-N06-N-S**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P188895  
Test Lab: Intertek  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: VI-M-128-750-5-VL-56-N06-N-S  
Description: Visium 300, No Optics, 120-277VAC, Solite Lens  
Light Source: -  
Ballast/Driver: -

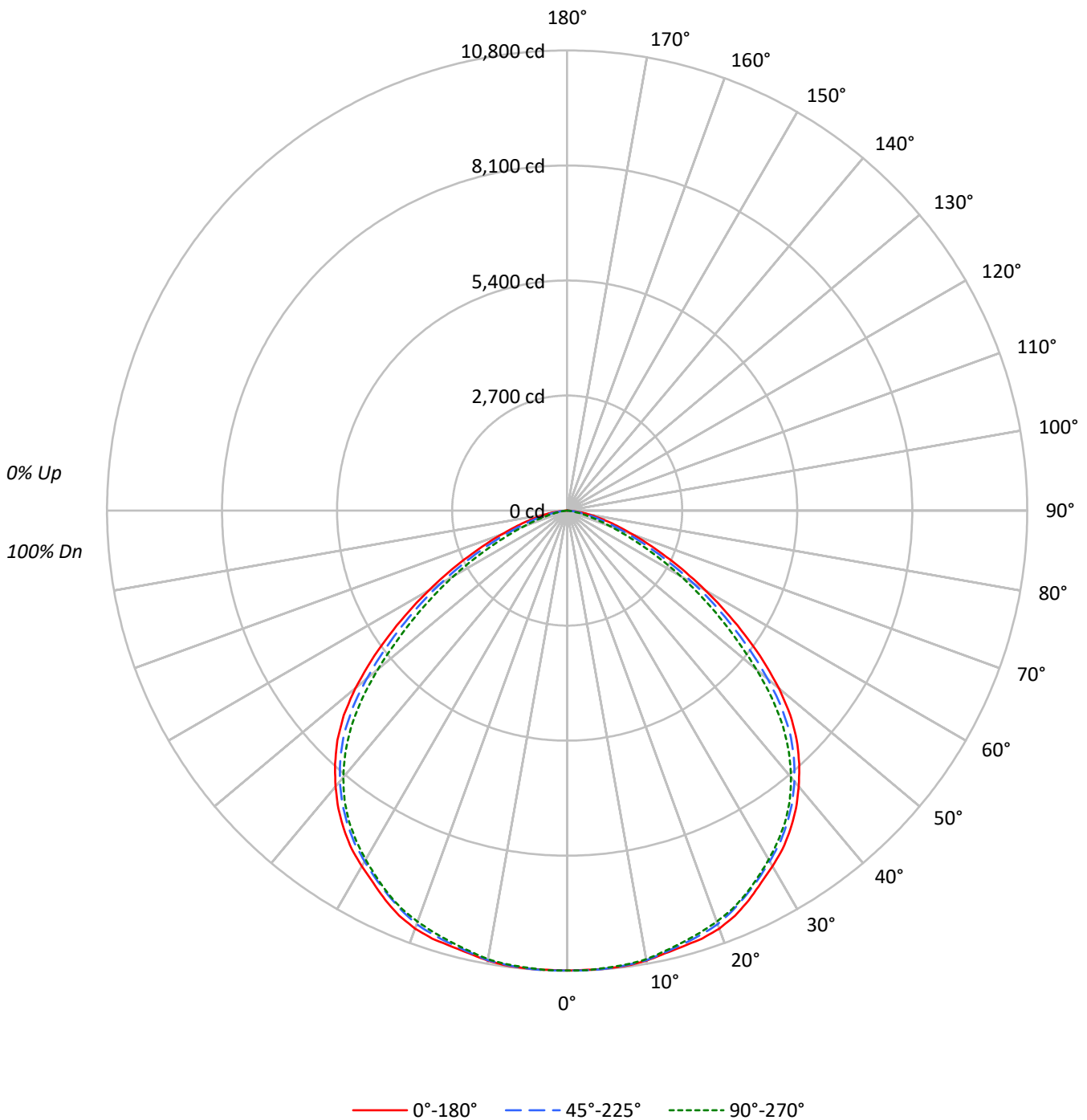
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27364.8 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.3 / 1.39  
Luminous Opening: Rectangular (W 0.79' x L: 1.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 323.7  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	58	56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	48
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	44	38	33	43	37	32	42	37	32	31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

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

	0°	45°	90°
0°	110584	110584	110584
5°	110941	110952	110741
10°	111582	111445	111238
15°	112199	111656	111227
20°	113800	112613	111931
25°	114047	112475	112232
30°	114010	112445	111875
35°	114215	112416	111552
40°	113056	110969	109328
45°	110455	107177	103873
50°	103397	97903	92398
55°	91051	84683	77891
60°	76811	70398	62948
65°	62216	55186	46639
70°	49057	41302	32226
75°	38948	30541	21113
80°	30448	20525	11581
85°	18454	6794	3268



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1027.7	3.8
10°-20°	2979.1	10.9
20°-30°	4601.5	16.8
30°-40°	5618.5	20.5
40°-50°	5642.7	20.6
50°-60°	4229.6	15.5
60°-70°	2287.1	8.4
70°-80°	852.7	3.1
80°-90°	125.9	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	8608.3	31.5
0°-40°	14226.8	52.0
0°-60°	24099.0	88.1
0°-90°	27364.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27364.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10794	10794	10794	10794	10794	
5°	10788	10796	10789	10784	10769	###
15°	10579	10558	10528	10491	10487	2996
25°	10090	10046	9950	9943	9929	4649
35°	9133	9060	8989	8913	8920	5704
45°	7624	7518	7398	7212	7170	5839
55°	5098	4948	4741	4464	4361	4559
65°	2567	2498	2277	2058	1924	2582
75°	984	958	772	610	533	1072
85°	157	121	58	31	28	206
90°	0	0	0	0	0	3
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
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°	10794.5	10794.5	10794.5	10794.5	10794.5
2.5°	10789.1	10787.6	10799.7	10815.1	10798.1
5°	10788.1	10795.6	10789.2	10783.9	10768.6
7.5°	10774.5	10794.8	10759.7	10759.0	10743.6
10°	10726.4	10738.9	10713.2	10705.3	10693.3
12.5°	10643.2	10640.5	10618.9	10594.1	10588.9
15°	10578.9	10558.0	10527.7	10490.8	10487.3
17.5°	10531.0	10475.3	10440.0	10392.0	10385.8
20°	10438.5	10373.8	10329.6	10288.3	10267.0
22.5°	10291.6	10235.5	10157.9	10140.6	10123.2
25°	10089.5	10045.9	9950.4	9943.4	9928.9
27.5°	9850.9	9821.1	9734.2	9708.0	9697.3
30°	9637.9	9581.8	9505.6	9463.1	9457.4
32.5°	9414.7	9346.1	9271.7	9209.9	9202.3
35°	9132.6	9060.1	8988.8	8912.6	8919.7
37.5°	8820.6	8751.2	8668.4	8591.7	8581.0
40°	8453.9	8383.0	8297.8	8199.4	8175.1
42.5°	8062.3	7971.7	7877.9	7750.1	7709.2
45°	7623.9	7517.6	7397.7	7212.2	7169.6
47.5°	7107.1	6974.3	6816.3	6584.6	6523.2
50°	6487.6	6345.8	6142.9	5871.7	5797.5
52.5°	5804.6	5650.8	5435.2	5149.3	5060.2
55°	5097.8	4948.1	4741.3	4463.6	4361.0
57.5°	4410.4	4274.5	4079.5	3802.0	3708.0
60°	3748.9	3633.9	3435.9	3177.4	3072.3
62.5°	3134.6	3044.8	2831.8	2593.6	2476.5
65°	2566.6	2497.8	2276.6	2058.1	1924.0
67.5°	2063.3	2010.3	1786.9	1580.5	1453.8
70°	1637.8	1592.2	1378.9	1185.5	1075.9
72.5°	1278.0	1244.1	1044.7	866.1	773.4
75°	984.0	958.5	771.6	610.3	533.4
77.5°	728.8	715.7	542.3	404.2	343.4
80°	516.1	499.8	347.9	238.6	196.3
82.5°	329.9	301.1	184.7	108.0	84.2
85°	157.0	121.2	57.8	31.4	27.8
87.5°	22.5	14.9	2.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	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°	0.2	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.1	0.0	0.1	0.0
177.5°	0.1	0.1	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)