

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: P188879

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P188879
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-G
Description: Visium 300, No Optics, 120-277VAC
Light Source: -
Ballast/Driver: -

Summary

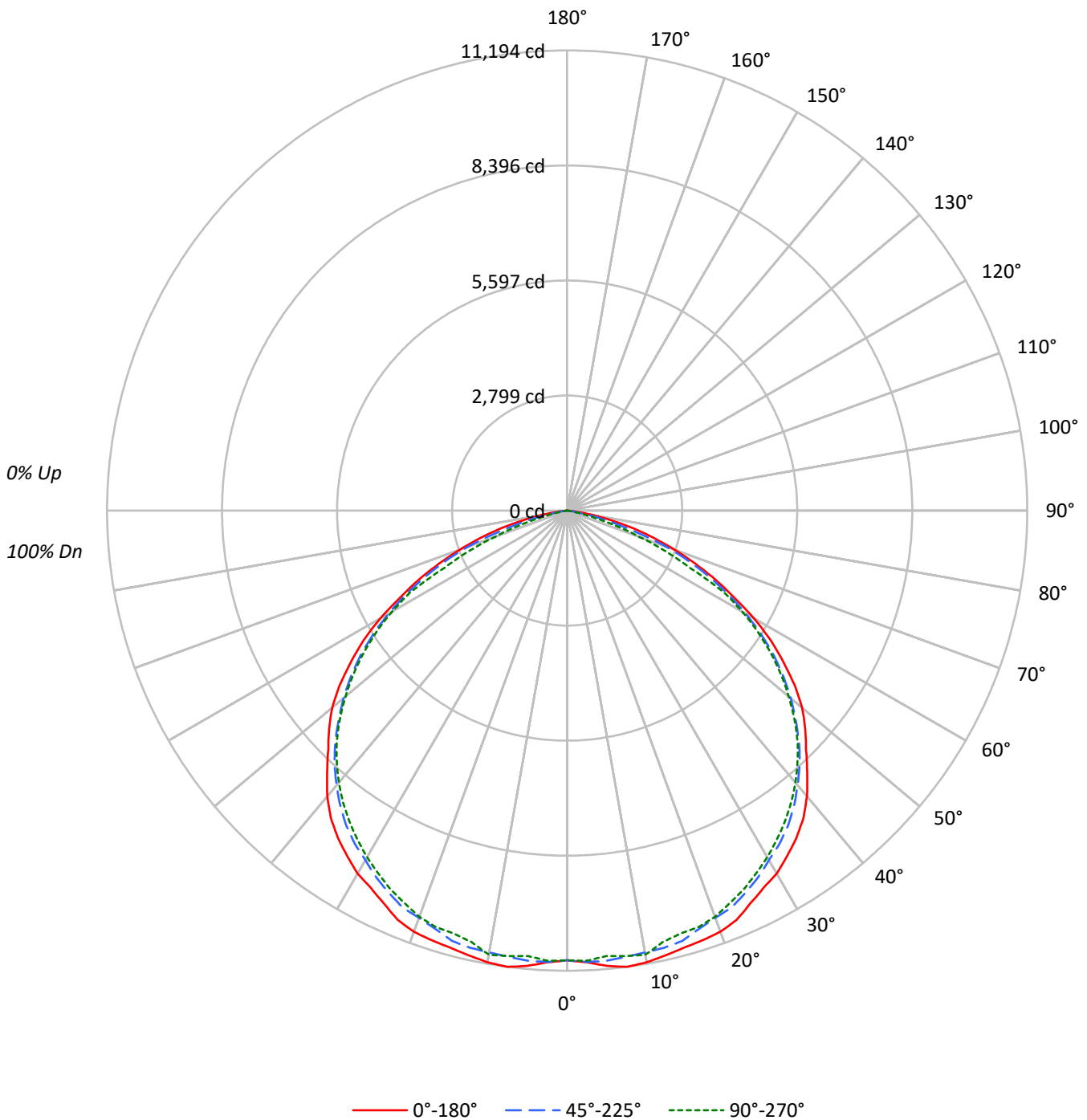
Lumens per Lamp: N/A
Luminaire Lumens: 31520.6 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.32 / 1.43
Luminous Opening: Rectangular (W 0.79' x L: 1.33' x H: 0')
CIE Type: Direct

Input Watts (W): 324.9
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	105	102	98	107	103	100	97	99	96	93	95	93	91	92	90	88	86
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	112078	112078	112078
5°	114321	113059	111871
10°	116057	113549	114108
15°	116735	114922	112949
20°	118840	114925	114622
25°	119194	115978	114880
30°	120591	116149	115179
35°	121571	117068	115496
40°	121370	116656	115576
45°	119062	115556	114857
50°	118960	113151	112147
55°	114680	109478	108008
60°	107563	102849	100800
65°	96688	92463	79800
70°	83158	76946	56165
75°	65421	46220	28234
80°	38483	14719	6602
85°	5454	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1049.9	3.3
10°-20°	3053.3	9.7
20°-30°	4747.9	15.1
30°-40°	5868.5	18.6
40°-50°	6190.5	19.6
50°-60°	5500.7	17.5
60°-70°	3693.8	11.7
70°-80°	1341.2	4.3
80°-90°	75.0	0.2
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°	8851.1	28.1
0°-40°	14719.6	46.7
0°-60°	26410.7	83.8
0°-90°	31520.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31520.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10940	10940	10940	10940	10940	
5°	11117	11078	10994	10927	10878	###
15°	11007	10779	10836	10667	10650	3120
25°	10545	10401	10260	10177	10163	4875
35°	9721	9425	9361	9272	9235	6073
45°	8218	8171	7976	7933	7928	6369
55°	6421	6267	6130	6071	6047	5728
65°	3989	3864	3814	3686	3292	3943
75°	1653	1641	1168	940	713	1761
85°	46	26	0	0	0	179
90°	0	0	0	0	0	0
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°	10940.3	10940.3	10940.3	10940.3	10940.3
2.5°	10997.5	10988.5	10991.3	10988.8	10959.6
5°	11116.8	11078.3	10994.1	10927.1	10878.5
7.5°	11193.9	11089.5	10945.6	10938.5	10931.5
10°	11156.6	11017.0	10915.5	10987.4	10969.2
12.5°	11079.3	10885.2	10893.3	10836.2	10750.1
15°	11006.6	10778.9	10835.7	10666.6	10649.6
17.5°	10957.9	10698.8	10667.7	10642.0	10622.0
20°	10900.8	10636.0	10541.7	10556.1	10513.9
22.5°	10777.7	10547.2	10451.4	10387.5	10336.8
25°	10544.8	10401.0	10260.3	10176.8	10163.2
27.5°	10346.7	10192.7	10057.9	9980.2	9950.7
30°	10194.2	9938.9	9818.7	9756.4	9736.7
32.5°	9962.0	9692.7	9609.6	9529.7	9491.9
35°	9720.8	9424.6	9360.8	9272.2	9235.1
37.5°	9437.2	9185.7	9062.8	8970.0	8952.8
40°	9075.6	8887.0	8723.1	8646.5	8642.3
42.5°	8642.4	8544.9	8374.2	8305.8	8297.7
45°	8218.0	8170.8	7976.0	7932.8	7927.8
47.5°	7855.0	7736.9	7541.9	7522.8	7499.1
50°	7464.1	7289.3	7099.6	7082.7	7036.6
52.5°	6972.5	6806.4	6625.9	6596.3	6560.5
55°	6420.8	6266.8	6129.5	6071.0	6047.2
57.5°	5870.5	5704.3	5593.1	5515.4	5510.4
60°	5249.8	5099.4	5019.7	4928.8	4919.7
62.5°	4575.6	4467.9	4425.5	4317.8	4284.1
65°	3988.7	3863.7	3814.4	3685.6	3292.0
67.5°	3372.9	3293.7	3199.9	2780.6	2614.5
70°	2776.3	2730.5	2568.9	2034.2	1875.1
72.5°	2205.9	2190.0	1806.2	1399.8	1286.4
75°	1652.8	1640.8	1167.7	939.5	713.3
77.5°	1118.0	1058.8	657.4	406.4	325.7
80°	652.3	549.5	249.5	140.0	111.9
82.5°	285.5	191.3	51.3	9.5	1.8
85°	46.4	26.1	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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°	0.0	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)