

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: P188896

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P188896  
Test Lab: Intertek  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: VI-M-128-750-5W-VL-56-N06-N-S  
Description: Visium 300, Wide Optics, 120-277VAC, Solite Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

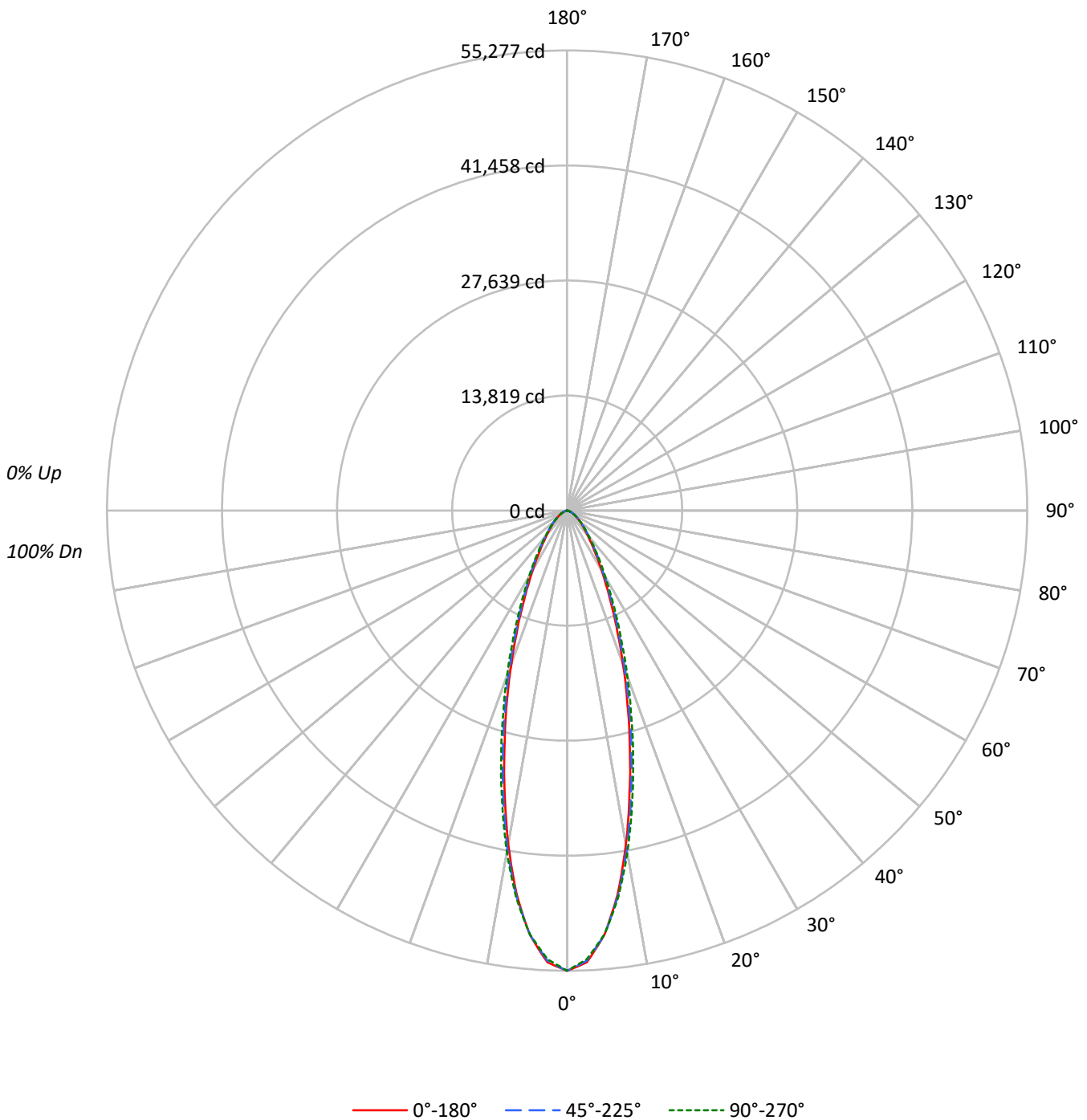
Lumens per Lamp: N/A  
Luminaire Lumens: 27252.6 lumens  
Efficiency: N/A  
Efficacy: 1126.1 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.54 / 0.57  
Luminous Opening: Rectangular (W 0.79' x L: 1.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.2  
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93	93	93	93	
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	92	89	88	86	86	86	86	
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80	80	80	80	
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74	74	74	74	
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	69	69	69	69	
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65	65	65	65	
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62	62	62	62	
8	80	70	65	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58	58	58	58	
9	76	67	61	57	75	66	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55	
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53	

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

	0°	45°	90°
0°	566290	566290	566290
5°	526486	526163	525598
10°	423377	429260	433738
15°	307810	315947	324626
20°	213326	220344	229658
25°	143195	149935	157004
30°	97235	103623	108043
35°	68388	73981	75794
40°	50091	54754	55043
45°	38902	42228	41601
50°	31343	33243	31957
55°	25225	26055	24619
60°	20526	20610	19225
65°	16699	16297	14935
70°	13392	12565	11145
75°	10509	9230	7200
80°	6684	4767	2413
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4566.2	16.8
10°-20°	8248.1	30.3
20°-30°	6216.0	22.8
30°-40°	3746.3	13.7
40°-50°	2239.2	8.2
50°-60°	1304.5	4.8
60°-70°	666.8	2.4
70°-80°	247.0	0.9
80°-90°	18.5	0.1
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°	19030.3	69.8
0°-40°	22776.6	83.6
0°-60°	26320.2	96.6
0°-90°	27252.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27252.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	55277	55277	55277	55277	55277	
5°	51196	51135	51165	51235	51110	###
15°	29022	29247	29790	30320	30608	8044
25°	12668	12924	13264	13773	13890	5928
35°	5468	5650	5916	6098	6060	3503
45°	2685	2774	2915	2937	2871	2110
55°	1412	1445	1459	1442	1378	1284
65°	689	686	672	634	616	693
75°	266	258	233	199	182	285
85°	0	1	0	0	0	29
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°	55277.4	55277.4	55277.4	55277.4	55277.4
2.5°	54323.1	54197.6	54131.8	54090.0	53924.5
5°	51196.4	51134.9	51165.0	51235.3	51110.1
7.5°	46477.8	46544.7	46727.0	46937.8	46892.0
10°	40699.3	40902.9	41264.9	41607.4	41695.3
12.5°	34647.0	34873.1	35368.7	35801.7	36064.0
15°	29022.5	29247.0	29789.7	30320.2	30608.0
17.5°	24015.1	24230.1	24720.6	25317.7	25542.0
20°	19567.6	19802.4	20211.4	20858.5	21065.7
22.5°	15802.6	16029.2	16410.2	17011.5	17162.6
25°	12668.1	12923.7	13264.4	13773.1	13889.8
27.5°	10185.9	10411.3	10747.0	11157.2	11237.6
30°	8219.8	8435.9	8759.8	9069.7	9133.5
32.5°	6689.8	6892.7	7187.4	7430.6	7428.0
35°	5468.3	5650.4	5915.5	6098.0	6060.5
37.5°	4508.8	4670.4	4907.5	5039.5	4974.5
40°	3745.6	3886.1	4094.3	4180.6	4115.9
42.5°	3155.5	3267.3	3444.9	3495.6	3431.4
45°	2685.1	2774.5	2914.7	2937.1	2871.4
47.5°	2298.9	2365.1	2471.0	2475.2	2404.4
50°	1966.6	2001.1	2085.8	2076.9	2005.1
52.5°	1670.6	1708.3	1744.1	1732.2	1661.2
55°	1412.3	1444.8	1458.8	1442.4	1378.4
57.5°	1192.5	1213.1	1216.3	1183.0	1140.7
60°	1001.8	1013.1	1005.9	967.2	938.3
62.5°	834.5	838.1	826.5	787.1	765.0
65°	688.9	686.0	672.3	634.3	616.1
67.5°	560.5	552.3	534.4	497.7	484.9
70°	447.1	437.8	419.5	383.2	372.1
72.5°	352.9	339.8	318.7	284.6	271.9
75°	265.5	258.5	233.2	199.0	181.9
77.5°	184.3	181.9	154.1	120.5	102.2
80°	113.3	112.8	80.8	51.1	40.9
82.5°	49.6	45.2	25.2	13.1	7.1
85°	0.0	0.6	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°	0.2	0.0	0.2	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)