

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: P188880

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P188880
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-G
Description: Visium 300, Wide Optics, 120-277VAC
Light Source: -
Ballast/Driver: -

Summary

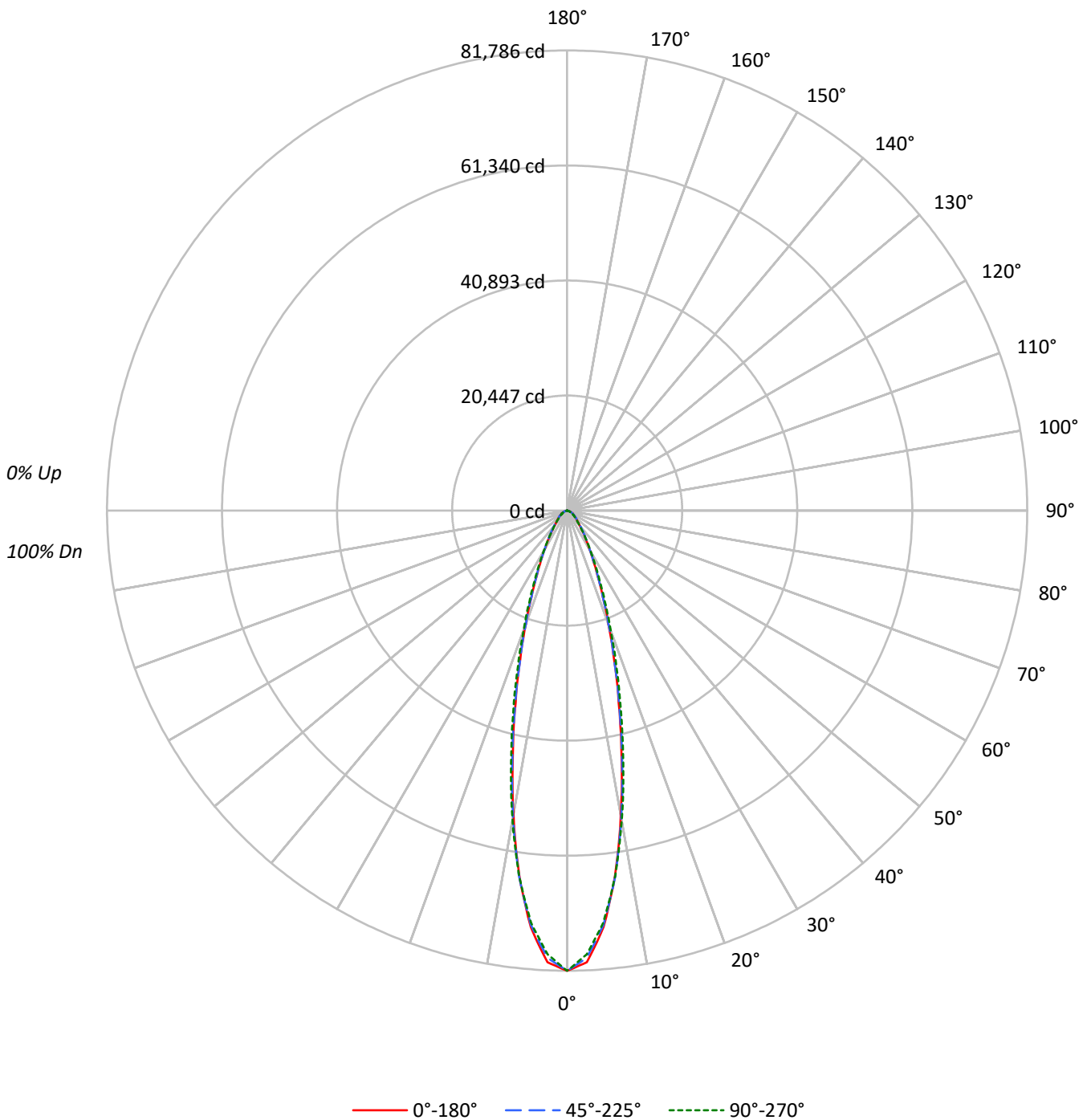
Lumens per Lamp: N/A
Luminaire Lumens: 30497.5 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.49
Luminous Opening: Rectangular (W 0.79' x L: 1.33' x H: 0')
CIE Type: Direct

Input Watts (W): 324.5
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	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			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87					87			
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81					81			
4	98	91	85	81	96	89	85	81	87	83	80	85	82	79	84	80	78	76					76			
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72					72			
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68					68			
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65					65			
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62					62			
9	79	70	65	61	78	70	64	61	69	64	61	68	64	61	67	63	60	59					59			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57					57			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	837857	837857	837857
5°	764115	760028	755906
10°	571614	576591	581626
15°	375313	378134	391759
20°	233947	234068	246737
25°	145115	145593	153276
30°	95074	95841	98748
35°	64874	67287	65480
40°	46072	50082	45646
45°	36250	39074	34606
50°	30895	31788	28023
55°	27389	27238	24005
60°	24435	24015	20999
65°	21683	20825	17274
70°	19080	15252	12466
75°	15013	8843	6662
80°	6820	2336	1410
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6457.1	21.2
10°-20°	9993.2	32.8
20°-30°	6189.3	20.3
30°-40°	3387.6	11.1
40°-50°	2006.7	6.6
50°-60°	1350.5	4.4
60°-70°	825.1	2.7
70°-80°	278.4	0.9
80°-90°	9.5	0.0
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°	22639.6	74.2
0°-40°	26027.2	85.3
0°-60°	29384.5	96.4
0°-90°	30497.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30497.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	81786	81786	81786	81786	81786	
5°	74304	74026	73906	73655	73506	###
15°	35387	35316	35653	36640	36938	9854
25°	12838	12777	12880	13317	13560	6097
35°	5187	5133	5380	5342	5236	3333
45°	2502	2536	2697	2493	2389	1977
55°	1534	1562	1525	1462	1344	1380
65°	894	872	859	800	713	890
75°	379	338	223	182	168	397
85°	0	0	0	0	0	20
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°	81785.9	81785.9	81785.9	81785.9	81785.9
2.5°	80347.2	79871.4	79567.7	79228.3	78963.9
5°	74303.9	74025.6	73906.4	73655.2	73505.6
7.5°	65360.6	65313.5	65477.1	65533.3	65436.2
10°	54949.4	55013.7	55427.8	55886.3	55911.8
12.5°	44599.4	44592.0	45035.5	45869.4	46047.8
15°	35387.2	35316.1	35653.2	36640.4	36937.8
17.5°	27701.4	27633.6	27779.5	28740.6	29076.3
20°	21459.1	21424.1	21470.2	22287.4	22632.3
22.5°	16564.7	16528.4	16578.0	17204.0	17516.6
25°	12838.0	12777.1	12880.3	13316.8	13560.0
27.5°	10086.4	9993.9	10137.3	10424.3	10585.6
30°	8037.1	7926.1	8102.0	8269.3	8347.7
32.5°	6461.1	6354.8	6568.7	6632.9	6599.6
35°	5187.3	5132.9	5380.3	5341.8	5235.8
37.5°	4187.4	4209.2	4466.9	4324.5	4194.4
40°	3445.1	3497.3	3744.9	3536.4	3413.2
42.5°	2902.1	2952.8	3166.0	2941.3	2833.6
45°	2502.1	2536.3	2697.0	2493.2	2388.6
47.5°	2193.4	2210.2	2310.6	2141.7	2038.6
50°	1938.5	1952.5	1994.5	1864.0	1758.3
52.5°	1720.1	1742.8	1737.7	1641.0	1530.9
55°	1533.5	1561.7	1525.0	1462.1	1344.0
57.5°	1362.5	1388.8	1341.0	1310.4	1180.5
60°	1192.6	1218.8	1172.1	1145.3	1024.9
62.5°	1036.1	1045.5	1017.0	979.3	872.3
65°	894.5	872.3	859.1	800.0	712.6
67.5°	756.5	718.9	681.6	620.5	558.8
70°	637.0	578.2	509.2	453.5	416.2
72.5°	511.4	448.9	349.6	306.1	282.5
75°	379.3	337.8	223.4	181.5	168.3
77.5°	240.8	222.9	118.2	71.8	71.8
80°	115.6	103.7	39.6	19.4	23.9
82.5°	14.3	17.3	0.0	0.0	0.0
85°	0.0	0.0	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°	1.1	0.0	0.0	0.0	0.0
180°	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)