

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: P188900

Luminaire Tested: **VI-M-256-750-5-VL-56-N06-N-S**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P188900
Test Lab: Intertek
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VI-M-256-750-5-VL-56-N06-N-S
Description: Visium 600, No Optics, 120-277VAC, Solite Lens
Light Source: -
Ballast/Driver: -

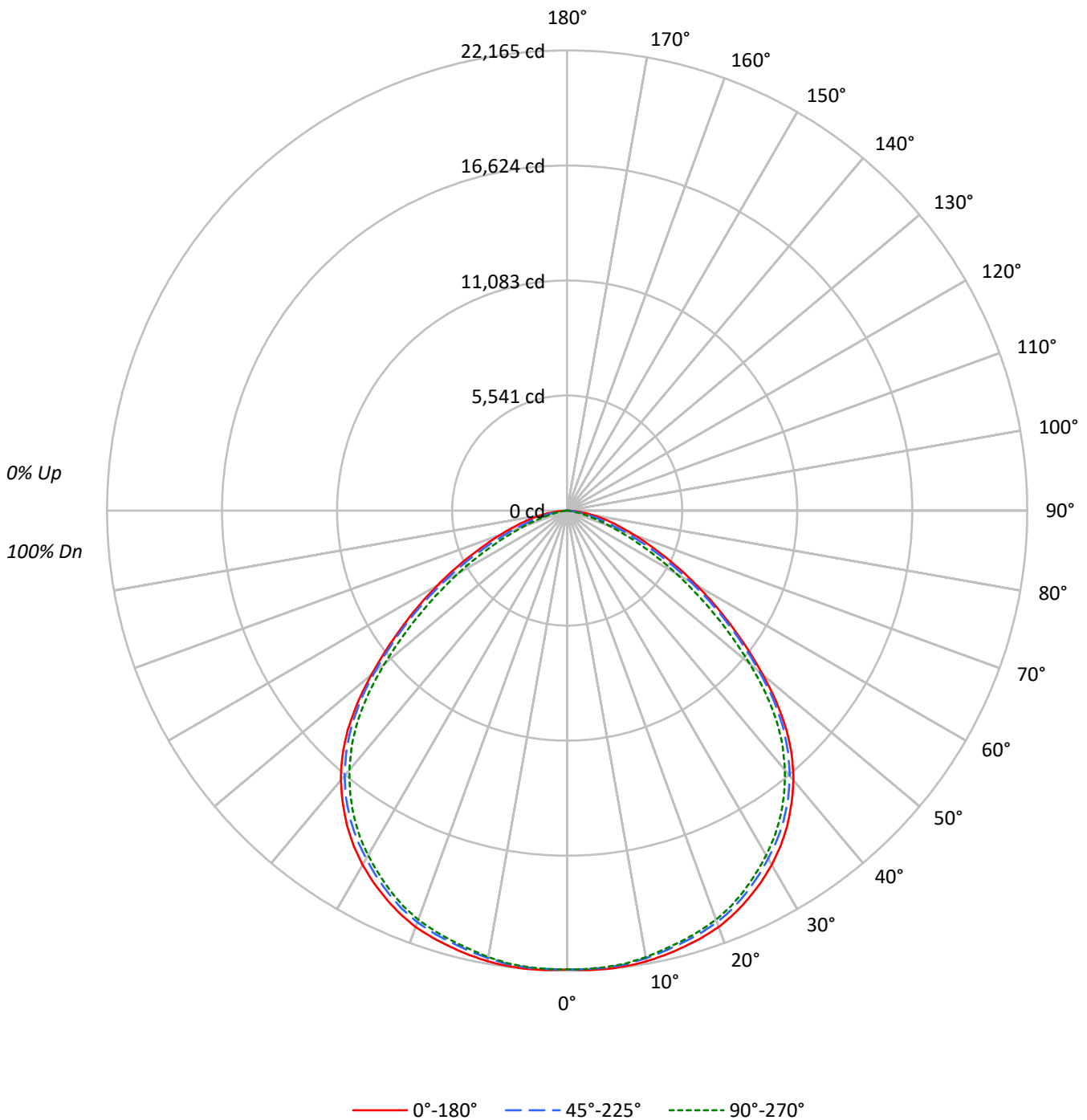
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55138.8 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.79' x L: 2.33' x H: 0')
CIE Type: Direct

Input Watts (W): 642.8
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	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	129243	129243	129243
5°	130112	129681	129502
10°	130904	129976	129686
15°	131694	130399	129871
20°	132836	131297	130487
25°	133135	131323	130261
30°	133049	130734	129448
35°	132015	129863	127978
40°	129460	127294	124554
45°	123605	121441	117756
50°	112057	110156	104395
55°	98160	95790	87757
60°	84380	80396	70873
65°	70577	64007	53635
70°	58725	48562	37625
75°	50025	36600	24731
80°	42603	25024	13440
85°	30508	8870	3569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2102.8	3.8
10°-20°	6095.3	11.1
20°-30°	9383.0	17.0
30°-40°	11353.0	20.6
40°-50°	11181.6	20.3
50°-60°	8324.5	15.1
60°-70°	4609.4	8.4
70°-80°	1796.2	3.3
80°-90°	293.1	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°	17581.0	31.9
0°-40°	28934.0	52.5
0°-60°	48440.1	87.9
0°-90°	55138.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	55138.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22101	22101	22101	22101	22101	
5°	22165	22139	22092	22005	22062	###
15°	21753	21659	21539	21442	21452	6151
25°	20634	20512	20353	20177	20188	9510
35°	18493	18415	18191	17954	17927	11544
45°	14946	14912	14685	14288	14239	11432
55°	9628	9645	9396	8971	8608	8644
65°	5101	5037	4626	4162	3876	5123
75°	2214	2047	1620	1237	1095	2389
85°	455	312	132	76	53	540
90°	0	0	0	0	0	15
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°	22101.4	22101.4	22101.4	22101.4	22101.4
2.5°	22156.2	22134.3	22104.0	22038.1	22101.4
5°	22165.3	22139.1	22091.9	22005.3	22061.5
7.5°	22123.4	22086.6	22032.0	21947.6	21988.6
10°	22045.3	21978.5	21889.1	21814.1	21840.3
12.5°	21916.9	21818.9	21728.8	21618.4	21636.1
15°	21753.2	21658.7	21539.3	21442.4	21452.1
17.5°	21571.0	21473.5	21350.5	21228.3	21229.0
20°	21345.9	21230.9	21098.6	20958.3	20968.4
22.5°	21020.8	20920.2	20775.2	20616.1	20622.6
25°	20633.8	20512.4	20353.0	20177.0	20188.4
27.5°	20197.2	20066.7	19875.5	19687.7	19692.4
30°	19704.0	19570.9	19361.2	19186.6	19170.8
32.5°	19141.4	19033.3	18817.2	18617.8	18601.7
35°	18492.7	18415.1	18191.2	17953.8	17927.2
37.5°	17754.0	17693.8	17484.8	17201.2	17171.8
40°	16959.1	16896.1	16675.3	16354.6	16316.4
42.5°	16024.6	15971.9	15742.7	15396.7	15360.0
45°	14946.3	14912.2	14684.6	14288.2	14239.1
47.5°	13690.2	13670.4	13463.3	13033.1	12927.5
50°	12317.4	12312.8	12108.5	11655.9	11475.2
52.5°	10942.1	10952.6	10730.5	10265.9	10006.9
55°	9628.1	9645.3	9395.6	8970.9	8607.7
57.5°	8397.6	8393.8	8118.8	7759.9	7291.6
60°	7214.8	7197.4	6874.1	6478.3	6059.9
62.5°	6117.7	6074.0	5707.3	5262.3	4919.3
65°	5100.6	5036.9	4625.8	4161.9	3876.2
67.5°	4197.9	4108.9	3658.9	3202.1	2962.7
70°	3434.7	3310.6	2840.3	2403.0	2200.6
72.5°	2777.3	2630.5	2172.5	1752.3	1583.3
75°	2214.1	2046.7	1619.9	1236.6	1094.6
77.5°	1722.2	1543.5	1145.8	820.6	703.0
80°	1265.1	1101.7	743.1	489.9	399.1
82.5°	846.9	695.1	399.0	227.9	170.5
85°	454.7	312.4	132.2	75.5	53.2
87.5°	107.9	54.3	18.6	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)