

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: P188901

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P188901
Test Lab: Intertek
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VI-M-256-750-5W-VL-56-N06-N-S
Description: Visium 600, Wide Optics, 120-277VAC, Solite Lens
Light Source: -
Ballast/Driver: -

Summary

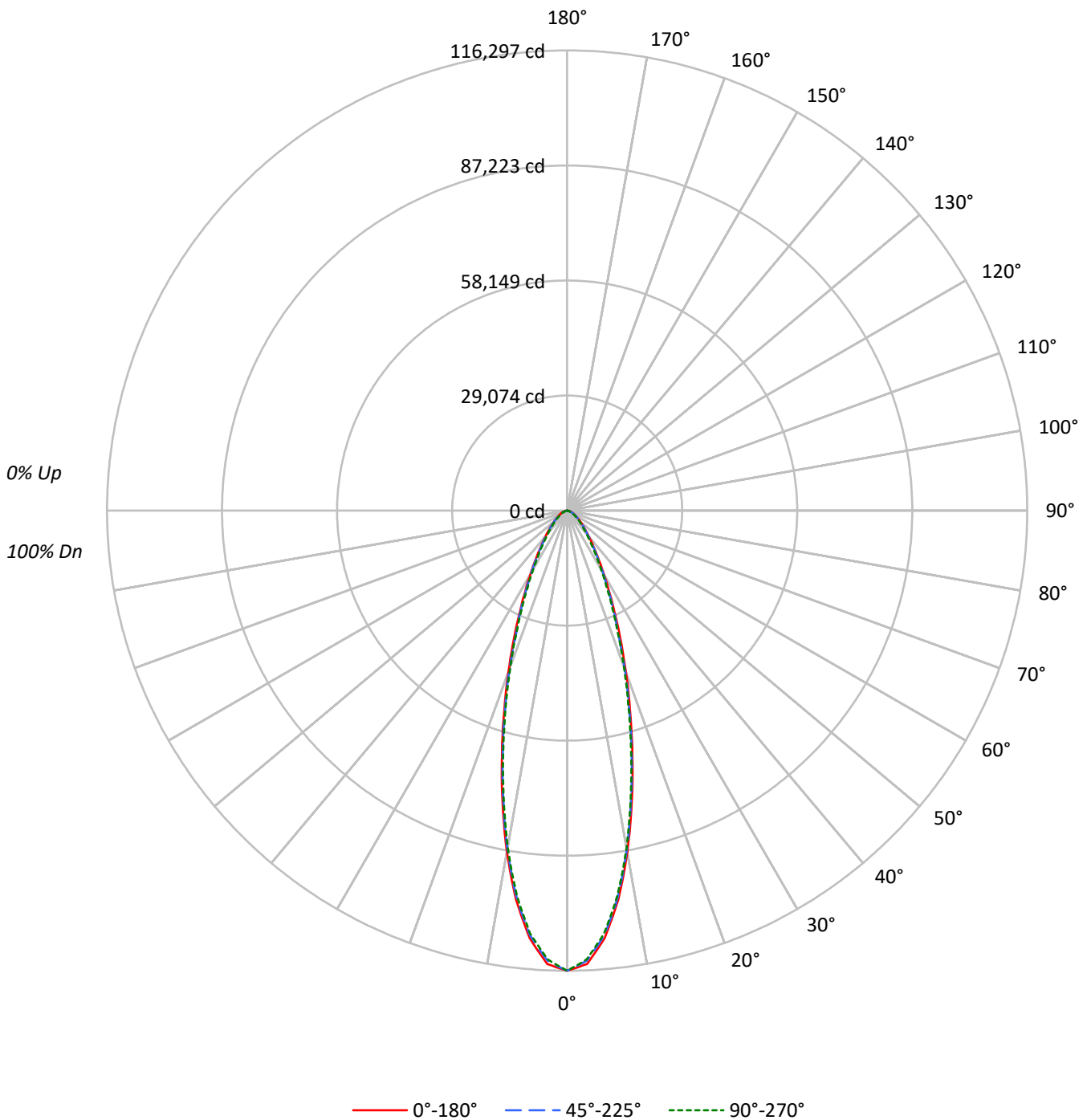
Lumens per Lamp: N/A
Luminaire Lumens: 56718.5 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.52 / 0.56
Luminous Opening: Rectangular (W 0.79' x L: 2.33' x H: 0')
CIE Type: Direct

Input Watts (W): 639.6
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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95					93				
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	88					86				
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81					80				
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76					74				
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71					70				
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67					65				
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63					62				
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60					58				
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57					55				
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54					53				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	680072	680072	680072
5°	636917	632506	629610
10°	520164	516113	513137
15°	385314	380276	377146
20°	269477	264233	259984
25°	183011	178212	172805
30°	124895	121154	115161
35°	87883	85055	78940
40°	64640	62472	56862
45°	50133	48076	43243
50°	40027	38012	33715
55°	32667	30602	26471
60°	27374	24915	20869
65°	23350	20046	16106
70°	20338	15940	11915
75°	17781	12345	7903
80°	14962	7567	2876
85°	7112	611	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9610.8	16.9
10°-20°	17366.3	30.6
20°-30°	12865.3	22.7
30°-40°	7559.1	13.3
40°-50°	4490.0	7.9
50°-60°	2690.3	4.7
60°-70°	1460.0	2.6
70°-80°	603.0	1.1
80°-90°	73.7	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°	39842.4	70.2
0°-40°	47401.6	83.6
0°-60°	54581.9	96.2
0°-90°	56718.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	56718.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	116297	116297	116297	116297	116297	
5°	108502	108142	107751	107126	107258	###
15°	63646	63398	62814	62168	62297	17594
25°	28364	28104	27620	27006	26782	13236
35°	12311	12194	11914	11358	11058	7885
45°	6062	5986	5813	5422	5229	4759
55°	3204	3165	3002	2768	2596	2913
65°	1688	1630	1449	1286	1164	1695
75°	787	722	546	401	350	843
85°	106	52	9	0	0	164
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°	116296.7	116296.7	116296.7	116296.7	116296.7
2.5°	114710.0	114267.5	113901.9	113377.0	113507.8
5°	108502.5	108142.4	107751.1	107126.3	107257.8
7.5°	99082.6	98749.6	98391.8	97636.7	97856.5
10°	87600.1	87361.9	86917.9	86151.7	86416.6
12.5°	75422.3	75221.3	74674.5	73917.2	74218.0
15°	63646.1	63398.4	62813.8	62167.7	62296.8
17.5°	52838.4	52588.7	51991.5	51350.1	51384.2
20°	43303.2	43035.0	42460.6	41849.6	41777.7
22.5°	35138.4	34853.9	33649.1	33737.7	33575.8
25°	28363.9	28104.5	27620.1	27005.5	26782.1
27.5°	22869.8	22663.9	22225.5	21603.6	21334.0
30°	18496.4	18336.7	17942.4	17346.9	17054.9
32.5°	15028.9	14900.8	14573.0	13993.4	13683.9
35°	12310.7	12194.1	11914.5	11358.4	11057.9
37.5°	10159.8	10054.0	9827.8	9298.1	9028.9
40°	8467.8	8377.1	8183.8	7687.9	7448.8
42.5°	7135.8	7046.4	6871.4	6428.8	6215.4
45°	6062.1	5986.4	5813.3	5421.5	5228.9
47.5°	5166.8	5097.7	4931.6	4583.5	4412.0
50°	4399.8	4339.6	4178.3	3865.7	3706.0
52.5°	3748.9	3700.1	3542.5	3258.0	3103.0
55°	3204.2	3164.8	3001.6	2768.2	2596.4
57.5°	2741.2	2703.1	2544.3	2370.3	2164.0
60°	2340.6	2301.6	2130.3	1966.9	1784.4
62.5°	1992.6	1945.9	1770.1	1604.3	1454.7
65°	1687.5	1630.0	1448.7	1286.3	1164.0
67.5°	1416.5	1356.5	1170.5	1010.2	913.6
70°	1189.5	1120.4	932.3	774.2	696.9
72.5°	978.1	913.5	726.8	574.4	510.0
75°	787.0	721.5	546.4	401.3	349.8
77.5°	618.0	544.0	377.5	251.7	207.7
80°	444.3	375.1	224.7	120.3	85.4
82.5°	274.2	207.7	82.9	36.5	26.5
85°	106.0	51.7	9.1	0.0	0.0
87.5°	3.0	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	0.3	0.2
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)