

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: P188892

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P188892
Test Lab: Intertek
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VI-M-128-750-5EL-VL-56-N06-N-S
Description: Visium 300, Elliptical Optics, 120-277VAC, Solite Lens
Light Source: -
Ballast/Driver: -

Summary

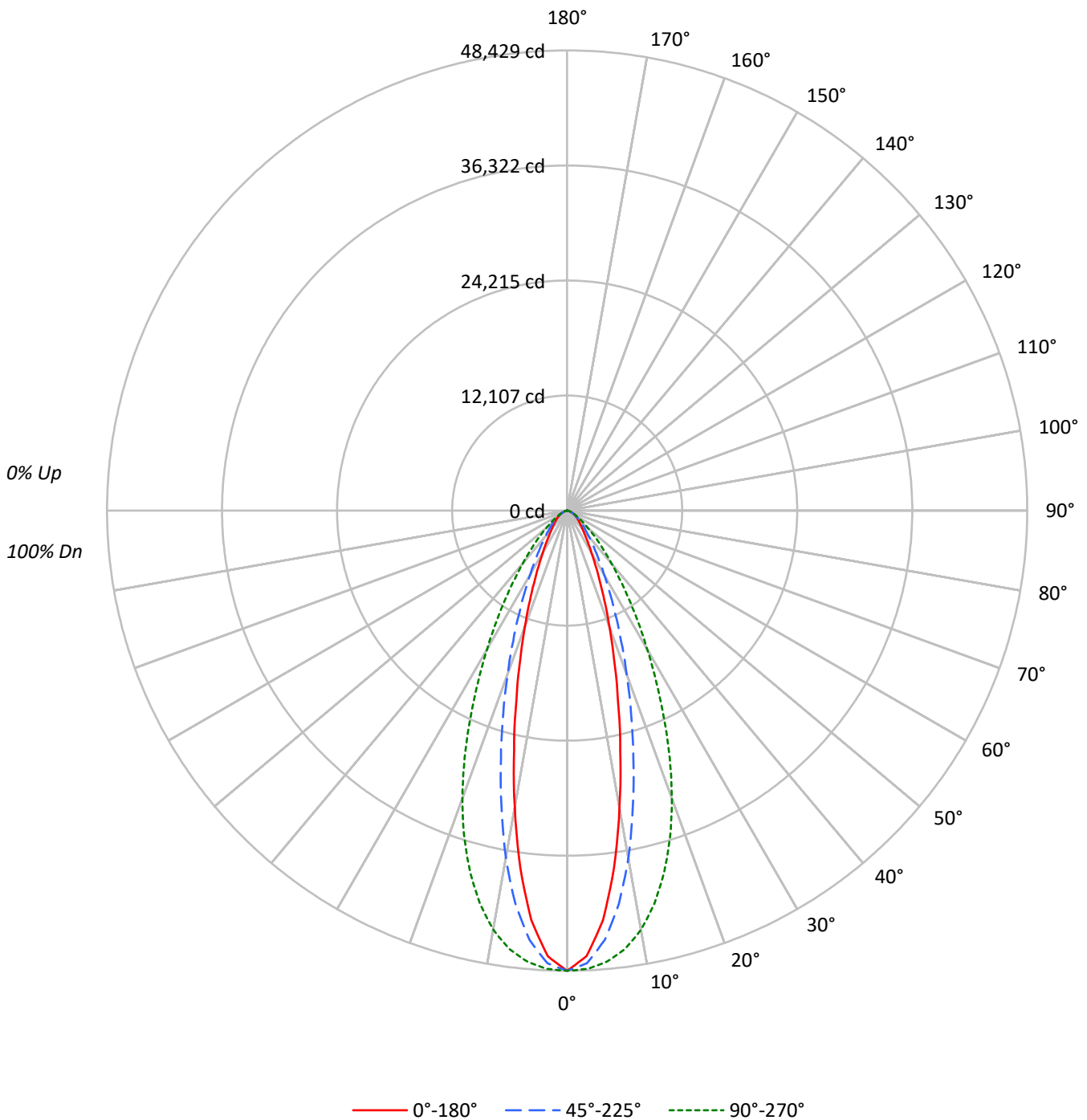
Lumens per Lamp: N/A
Luminaire Lumens: 26746.6 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.78 / 0.59
Luminous Opening: Rectangular (W 0.79' x L: 1.33' x H: 0')
CIE Type: Direct

Input Watts (W): 324.7
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
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	96	93	97	94	91	94	91	89	91	89	87				86	
3	102	95	90	86	100	93	89	85	91	87	83	88	85	82	86	83	81				79	
4	96	89	83	78	95	87	82	78	85	81	77	83	79	76	81	78	75				74	
5	92	83	77	73	90	82	76	72	80	75	72	78	74	71	77	73	70				69	
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66				64	
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62				61	
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59				57	
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55				54	
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53				51	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	496136	496136	496136
5°	444838	466472	490268
10°	330320	385938	465935
15°	219203	285558	418118
20°	141437	199398	351380
25°	90864	135147	272370
30°	60642	91986	199295
35°	43197	64827	140530
40°	33164	47634	97054
45°	27720	36886	67147
50°	24181	29470	46092
55°	20865	23515	31876
60°	17782	18924	23099
65°	14792	15223	17218
70°	11828	11894	12925
75°	9068	8759	8740
80°	5929	4572	3257
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4086.9	15.3
10°-20°	7890.5	29.5
20°-30°	6432.5	24.0
30°-40°	3902.1	14.6
40°-50°	2251.9	8.4
50°-60°	1276.4	4.8
60°-70°	650.5	2.4
70°-80°	238.6	0.9
80°-90°	17.2	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°	18409.9	68.8
0°-40°	22312.0	83.4
0°-60°	25840.3	96.6
0°-90°	26746.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26746.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	48429	48429	48429	48429	48429	
5°	43257	43804	45360	47000	47674	###
15°	20668	22070	26924	34959	39423	5772
25°	8038	8851	11956	18607	24096	3792
35°	3454	3820	5184	8055	11237	2219
45°	1913	2054	2546	3570	4635	1496
55°	1168	1210	1317	1589	1785	1051
65°	610	616	628	673	710	610
75°	229	230	221	202	221	249
85°	0	0	0	0	0	25
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°	48429.4	48429.4	48429.4	48429.4	48429.4
2.5°	46942.0	47105.5	47678.8	48187.1	48279.1
5°	43256.8	43804.4	45360.5	46999.8	47674.5
7.5°	37878.1	38888.8	41732.0	45087.4	46564.2
10°	31753.7	33091.3	37100.3	42329.2	44790.4
12.5°	25813.6	27249.1	31940.5	38837.4	42369.6
15°	20668.0	22069.7	26924.4	34959.4	39423.1
17.5°	16425.1	17740.0	22346.5	30842.4	36034.8
20°	12973.5	14142.7	18290.1	26647.9	32230.8
22.5°	10213.7	11201.6	14833.3	22496.2	28205.7
25°	8038.5	8850.6	11956.1	18606.9	24095.9
27.5°	6379.4	7033.9	9617.5	15198.1	20289.3
30°	5126.4	5658.6	7776.1	12334.7	16847.5
32.5°	4177.7	4620.9	6334.2	9967.7	13854.2
35°	3454.0	3820.3	5183.6	8055.4	11236.8
37.5°	2900.4	3208.0	4284.3	6532.5	9053.3
40°	2479.9	2725.2	3561.9	5309.3	7257.3
42.5°	2161.9	2349.5	2997.9	4346.2	5804.8
45°	1913.3	2054.2	2546.0	3569.5	4634.7
47.5°	1704.8	1807.9	2174.6	2932.7	3671.6
50°	1517.2	1591.1	1849.1	2398.2	2892.0
52.5°	1336.4	1392.5	1565.3	1945.8	2268.8
55°	1168.2	1210.2	1316.6	1588.8	1784.7
57.5°	1012.4	1043.2	1107.8	1304.2	1416.4
60°	867.9	888.1	923.6	1054.3	1127.4
62.5°	733.8	747.0	765.9	846.8	897.2
65°	610.2	616.1	628.0	672.7	710.3
67.5°	496.1	498.1	506.7	523.5	559.1
70°	394.9	395.3	397.1	399.6	431.5
72.5°	306.0	306.9	303.9	292.8	320.6
75°	229.1	230.4	221.3	201.7	220.8
77.5°	163.2	161.1	146.8	122.8	131.1
80°	100.5	97.6	77.5	51.5	55.2
82.5°	41.2	34.8	23.7	12.8	18.1
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°	0.0	0.0	0.0	0.0	0.0
180°	0.1	0.1	0.1	0.1	0.1

(END OF REPORT)