

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: P188884

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P188884
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-G
Description: Visium 600, No Optics, 120-277VAC
Light Source: -
Ballast/Driver: -

Summary

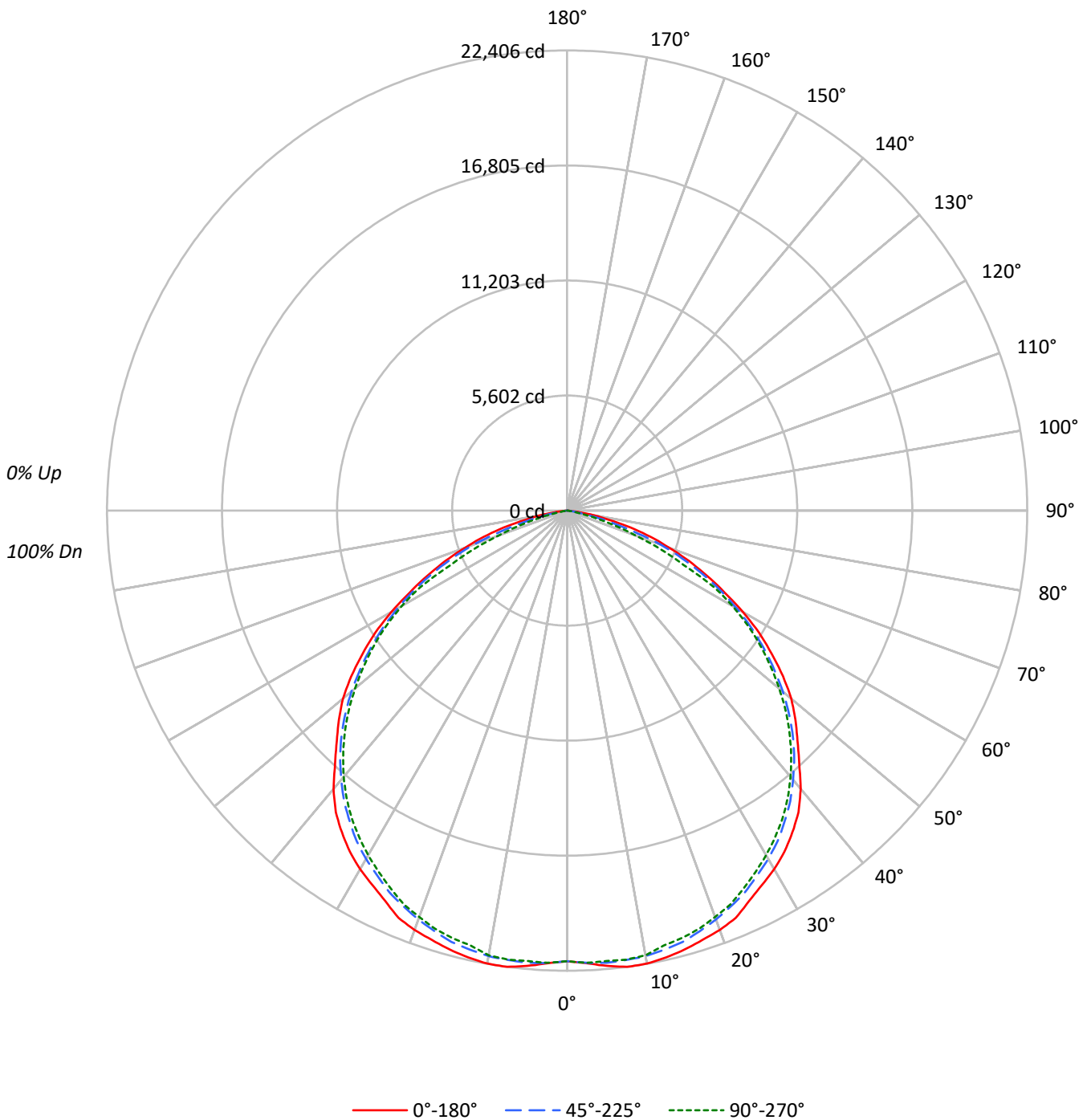
Lumens per Lamp: N/A
Luminaire Lumens: 61554.2 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.31 / 1.41
Luminous Opening: Rectangular (W 0.79' x L: 2.33' x H: 0')
CIE Type: Direct

Input Watts (W): 642.4
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88					86				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64					62				
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55					53				
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48					46				
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42					40				
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37					35				
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33					31				
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30					28				
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27					26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	128296	128296	128296
5°	130649	129751	129243
10°	133019	130822	130557
15°	133943	131680	130510
20°	135221	131837	131049
25°	135274	132289	131033
30°	136162	132243	130835
35°	136539	131839	130539
40°	135085	130660	129223
45°	131130	128594	126680
50°	129600	124739	122612
55°	123993	119179	117229
60°	115679	111568	108693
65°	104000	100041	86662
70°	90412	82686	60744
75°	72407	49316	33466
80°	43893	16141	7547
85°	10460	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2110.4	3.4
10°-20°	6143.3	10.0
20°-30°	9476.3	15.4
30°-40°	11594.3	18.8
40°-50°	12001.4	19.5
50°-60°	10476.0	17.0
60°-70°	7003.6	11.4
70°-80°	2581.0	4.2
80°-90°	168.1	0.3
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°	17729.9	28.8
0°-40°	29324.2	47.6
0°-60°	51801.6	84.2
0°-90°	61554.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	61554.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21940	21940	21940	21940	21940	
5°	22257	22221	22104	21973	22017	###
15°	22125	21852	21751	21509	21558	6254
25°	20965	20768	20503	20342	20308	9689
35°	19126	18720	18468	18284	18286	11946
45°	15856	15835	15550	15328	15318	12283
55°	12162	11960	11690	11521	11498	10854
65°	7516	7400	7230	6910	6263	7459
75°	3205	3203	2183	1795	1481	3393
85°	156	81	0	0	0	393
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°	21939.5	21939.5	21939.5	21939.5	21939.5
2.5°	22061.1	22080.2	22042.7	21981.5	22038.0
5°	22256.9	22220.8	22103.9	21973.0	22017.3
7.5°	22406.1	22285.6	22068.9	22007.1	22050.8
10°	22401.6	22234.2	22031.5	21963.6	21986.9
12.5°	22278.4	22035.5	21895.5	21699.3	21692.4
15°	22124.6	21852.0	21750.9	21508.9	21557.6
17.5°	21917.0	21673.9	21468.9	21306.9	21353.0
20°	21729.1	21427.2	21185.4	21078.6	21058.7
22.5°	21464.9	21110.9	20853.7	20717.5	20761.3
25°	20965.4	20768.1	20502.7	20341.8	20308.1
27.5°	20547.2	20363.7	20027.7	19865.1	19852.9
30°	20165.1	19841.1	19584.7	19390.8	19376.1
32.5°	19692.8	19336.1	19081.8	18872.8	18856.2
35°	19126.5	18720.3	18468.1	18284.1	18285.9
37.5°	18506.0	18056.8	17838.7	17666.4	17643.2
40°	17695.9	17414.9	17116.3	16942.9	16928.1
42.5°	16724.6	16651.9	16361.6	16168.8	16144.5
45°	15856.2	15835.4	15549.6	15327.7	15318.1
47.5°	15074.9	14966.7	14659.3	14441.9	14435.0
50°	14245.7	14009.7	13711.4	13537.2	13477.6
52.5°	13246.9	12993.6	12703.7	12566.4	12493.3
55°	12161.9	11959.8	11689.7	11520.8	11498.4
57.5°	11083.0	10854.3	10642.0	10428.8	10444.8
60°	9890.9	9759.2	9539.4	9292.6	9293.6
62.5°	8644.5	8588.9	8403.8	8126.5	8065.2
65°	7516.1	7400.1	7230.0	6909.8	6263.1
67.5°	6423.7	6237.0	6033.0	5268.0	4933.2
70°	5288.0	5176.1	4836.1	3947.6	3552.8
72.5°	4260.5	4190.4	3377.6	2677.8	2454.5
75°	3204.7	3203.2	2182.7	1795.3	1481.2
77.5°	2126.6	2193.1	1189.9	782.9	682.6
80°	1303.4	1204.5	479.3	310.5	224.1
82.5°	640.2	467.1	124.0	24.9	3.7
85°	155.9	80.8	0.0	0.0	0.0
87.5°	2.9	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°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)