

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: P563368

Luminaire Tested: **VHB-36-W-UNV-L740-CD**

Issue Date: 6/3/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P364417)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/3/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: VHB-36-W-UNV-L740-CD  
Description: 36000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 4000K CCT  
LEDS  
Light Source: -  
Ballast/Driver: -

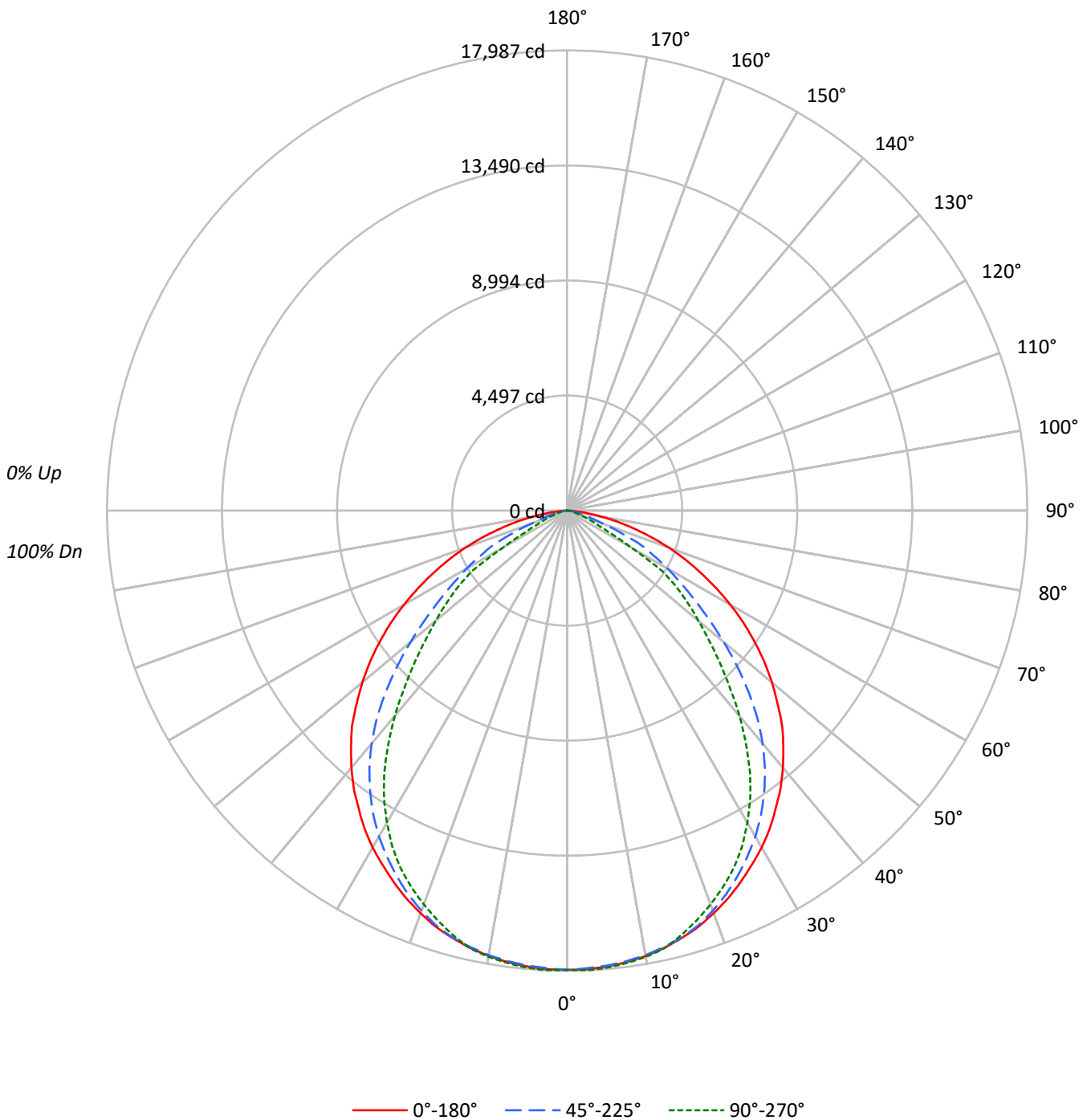
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40384.0 lumens  
Efficiency: N/A  
Efficacy: 164.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28  
Luminous Opening: Rectangular (W 1.75' x L: 1.58' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 246  
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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89					87				
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77					75				
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67					65				
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59					57				
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52					50				
6	74	62	53	48	72	61	53	47	59	52	47	57	51	47	56	50	46					44				
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37					36				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34					32				
10	57	44	36	31	55	43	36	31	42	36	31	42	35	31	41	35	31					29				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	69750	69750	69750
5°	69761	69619	69939
10°	69735	69585	69872
15°	69570	69497	69139
20°	69235	68806	67731
25°	68721	67552	66071
30°	68222	65995	63173
35°	67409	63682	59068
40°	66521	60259	53148
45°	65311	55110	46438
50°	63153	48249	40567
55°	60575	41102	35412
60°	57225	35253	22607
65°	53024	29405	11985
70°	47859	16710	7766
75°	40207	10238	4830
80°	30555	5168	4230
85°	18565	4698	3815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1699.8	4.2
10°-20°	4863.3	12.0
20°-30°	7249.5	18.0
30°-40°	8349.0	20.7
40°-50°	7770.0	19.2
50°-60°	5912.5	14.6
60°-70°	3173.7	7.9
70°-80°	1167.6	2.9
80°-90°	198.6	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°	13812.6	34.2
0°-40°	22161.7	54.9
0°-60°	35844.2	88.8
0°-90°	40384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	40384.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17955	17955	17955	17955	17955	
5°	17889	17838	17853	17915	17935	###
15°	17298	17271	17280	17247	17191	4882
25°	16032	16020	15760	15536	15414	7390
35°	14214	14041	13428	12753	12455	8898
45°	11888	11315	10031	8840	8453	9135
55°	8944	7932	6069	5403	5228	7989
65°	5768	4237	3199	1584	1304	5720
75°	2679	1755	682	353	322	2871
85°	416	134	105	91	86	555
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17954.6	17954.6	17954.6	17954.6	17954.6
2.5°	17941.8	17887.2	17905.5	17963.7	17987.3
5°	17889.1	17838.1	17852.6	17914.6	17934.6
7.5°	17801.8	17752.7	17763.7	17821.9	17841.9
10°	17678.1	17627.3	17640.0	17696.2	17712.7
12.5°	17510.8	17463.5	17474.5	17514.5	17532.7
15°	17298.1	17270.7	17280.0	17247.1	17190.8
17.5°	17059.9	17019.9	17008.9	16863.5	16803.4
20°	16747.1	16732.6	16643.4	16463.4	16383.3
22.5°	16417.9	16390.5	16236.0	16019.5	15923.2
25°	16032.4	16019.5	15759.7	15535.8	15414.0
27.5°	15617.8	15586.8	15252.1	14972.2	14806.5
30°	15208.5	15132.2	14712.1	14319.2	14083.0
32.5°	14744.8	14601.0	14099.2	13597.3	13324.6
35°	14213.9	14041.0	13428.1	12753.4	12455.2
37.5°	13699.1	13439.1	12700.7	11857.0	11475.1
40°	13117.2	12744.3	11882.5	10902.2	10480.2
42.5°	12504.3	12049.6	11011.4	9871.1	9438.2
45°	11887.8	11315.1	10031.1	8840.0	8452.6
47.5°	11154.9	10547.7	9012.8	7856.1	7523.3
50°	10449.5	9740.2	7983.4	6939.7	6712.3
52.5°	9711.1	8851.0	6983.3	6164.9	5944.8
55°	8943.7	7932.4	6068.6	5402.9	5228.4
57.5°	8172.5	6988.8	5257.5	4710.1	4397.3
60°	7365.2	6052.1	4537.3	3828.0	2909.7
62.5°	6570.4	5077.3	3819.0	2400.5	1851.2
65°	5768.4	4237.2	3198.9	1584.0	1303.8
67.5°	5002.9	3424.4	2282.2	1147.4	976.5
70°	4213.5	2800.5	1471.2	822.0	683.7
72.5°	3422.5	2253.2	1009.4	540.2	438.2
75°	2678.7	1754.9	682.1	352.8	321.8
77.5°	2007.6	1211.1	380.0	261.8	245.5
80°	1365.8	725.7	231.0	200.0	189.1
82.5°	818.4	347.4	167.4	147.3	141.8
85°	416.5	134.5	105.4	90.8	85.6
87.5°	123.7	67.2	47.2	36.5	34.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)