

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: P563369

Luminaire Tested: **VHB-36-W-UNV-L750-CD**

Issue Date: 6/3/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563369  
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-L750-CD  
Description: 36000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 5000K CCT  
LEDS  
Light Source: -  
Ballast/Driver: -

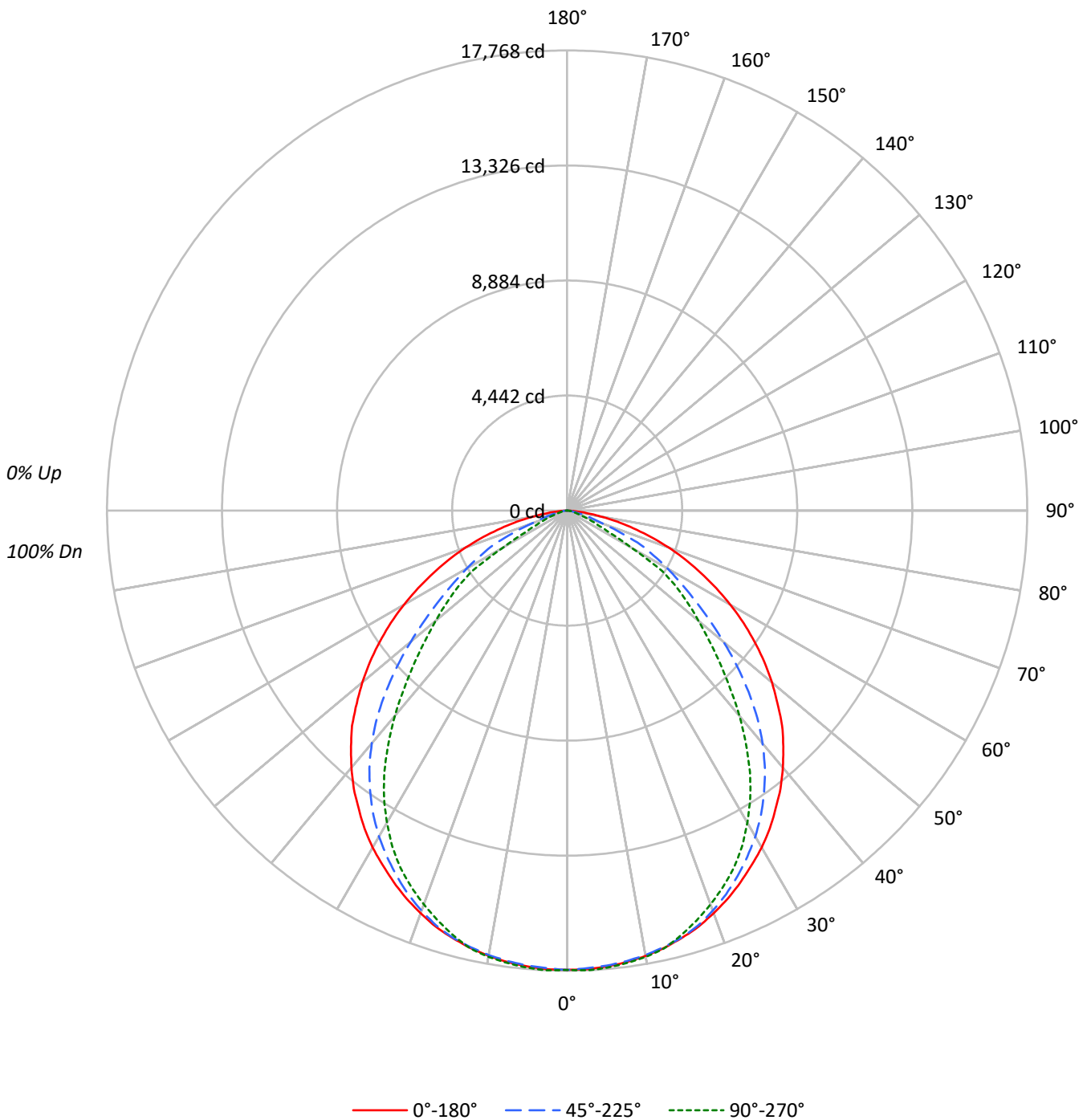
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39892.0 lumens  
Efficiency: N/A  
Efficacy: 162.2 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°	68900	68900	68900
5°	68911	68771	69086
10°	68886	68737	69021
15°	68722	68650	68297
20°	68391	67968	66905
25°	67884	66729	65266
30°	67391	65191	62404
35°	66588	62906	58348
40°	65710	59525	52501
45°	64515	54439	45872
50°	62384	47662	40073
55°	59837	40601	34980
60°	56528	34823	22332
65°	52378	29047	11840
70°	47276	16507	7671
75°	39717	10112	4772
80°	30184	5105	4179
85°	18337	4640	3766



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1679.1	4.2
10°-20°	4804.0	12.0
20°-30°	7161.2	18.0
30°-40°	8247.3	20.7
40°-50°	7675.4	19.2
50°-60°	5840.4	14.6
60°-70°	3135.0	7.9
70°-80°	1153.4	2.9
80°-90°	196.1	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°	13644.4	34.2
0°-40°	21891.7	54.9
0°-60°	35407.5	88.8
0°-90°	39892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17736	17736	17736	17736	17736	
5°	17671	17621	17635	17696	17716	###
15°	17087	17060	17069	17037	16981	4823
25°	15837	15824	15568	15346	15226	7300
35°	14041	13870	13264	12598	12303	8790
45°	11743	11177	9909	8732	8350	9024
55°	8835	7836	5995	5337	5165	7891
65°	5698	4186	3160	1565	1288	5651
75°	2646	1734	674	348	318	2836
85°	411	133	104	90	84	548
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17735.9	17735.9	17735.9	17735.9	17735.9
2.5°	17723.2	17669.3	17687.4	17744.9	17768.2
5°	17671.1	17620.8	17635.1	17696.3	17716.1
7.5°	17584.9	17536.4	17547.3	17604.7	17624.5
10°	17462.7	17412.6	17425.0	17480.6	17496.9
12.5°	17297.4	17250.8	17261.6	17301.2	17319.1
15°	17087.3	17060.3	17069.4	17037.0	16981.4
17.5°	16852.1	16812.5	16801.7	16658.0	16598.7
20°	16543.1	16528.7	16440.7	16262.9	16183.7
22.5°	16217.9	16190.8	16038.2	15824.4	15729.2
25°	15837.1	15824.4	15567.7	15346.5	15226.2
27.5°	15427.5	15396.9	15066.3	14789.8	14626.2
30°	15023.2	14947.8	14532.9	14144.8	13911.4
32.5°	14565.2	14423.2	13927.4	13431.7	13162.3
35°	14040.7	13870.0	13264.5	12598.0	12303.4
37.5°	13532.2	13275.3	12546.0	11712.5	11335.3
40°	12957.4	12589.1	11737.7	10769.4	10352.6
42.5°	12351.9	11902.8	10877.2	9750.8	9323.2
45°	11742.9	11177.2	9908.9	8732.3	8349.6
47.5°	11019.0	10419.2	8903.0	7760.4	7431.7
50°	10322.2	9621.5	7886.2	6855.1	6630.5
52.5°	9592.8	8743.1	6898.2	6089.8	5872.4
55°	8834.7	7835.8	5994.6	5337.1	5164.7
57.5°	8072.9	6903.6	5193.5	4652.7	4343.8
60°	7275.5	5978.4	4482.0	3781.4	2874.3
62.5°	6490.4	5015.4	3772.5	2371.2	1828.7
65°	5698.1	4185.5	3159.9	1564.7	1288.0
67.5°	4941.9	3382.7	2254.4	1133.5	964.6
70°	4162.2	2766.4	1453.3	812.0	675.4
72.5°	3380.8	2225.7	997.1	533.6	432.9
75°	2646.1	1733.5	673.7	348.5	317.9
77.5°	1983.1	1196.3	375.4	258.6	242.6
80°	1349.2	716.8	228.2	197.6	186.8
82.5°	808.5	343.1	165.3	145.5	140.1
85°	411.4	132.8	104.1	89.7	84.5
87.5°	122.2	66.4	46.6	36.0	34.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)