

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: P563364

Luminaire Tested: **VHB-30-W-UNV-L935-CD**

Issue Date: 6/3/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563364  
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-30-W-UNV-L935-CD  
Description: 30000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 90CRI, 3500K CCT  
LEDS  
Light Source: -  
Ballast/Driver: -

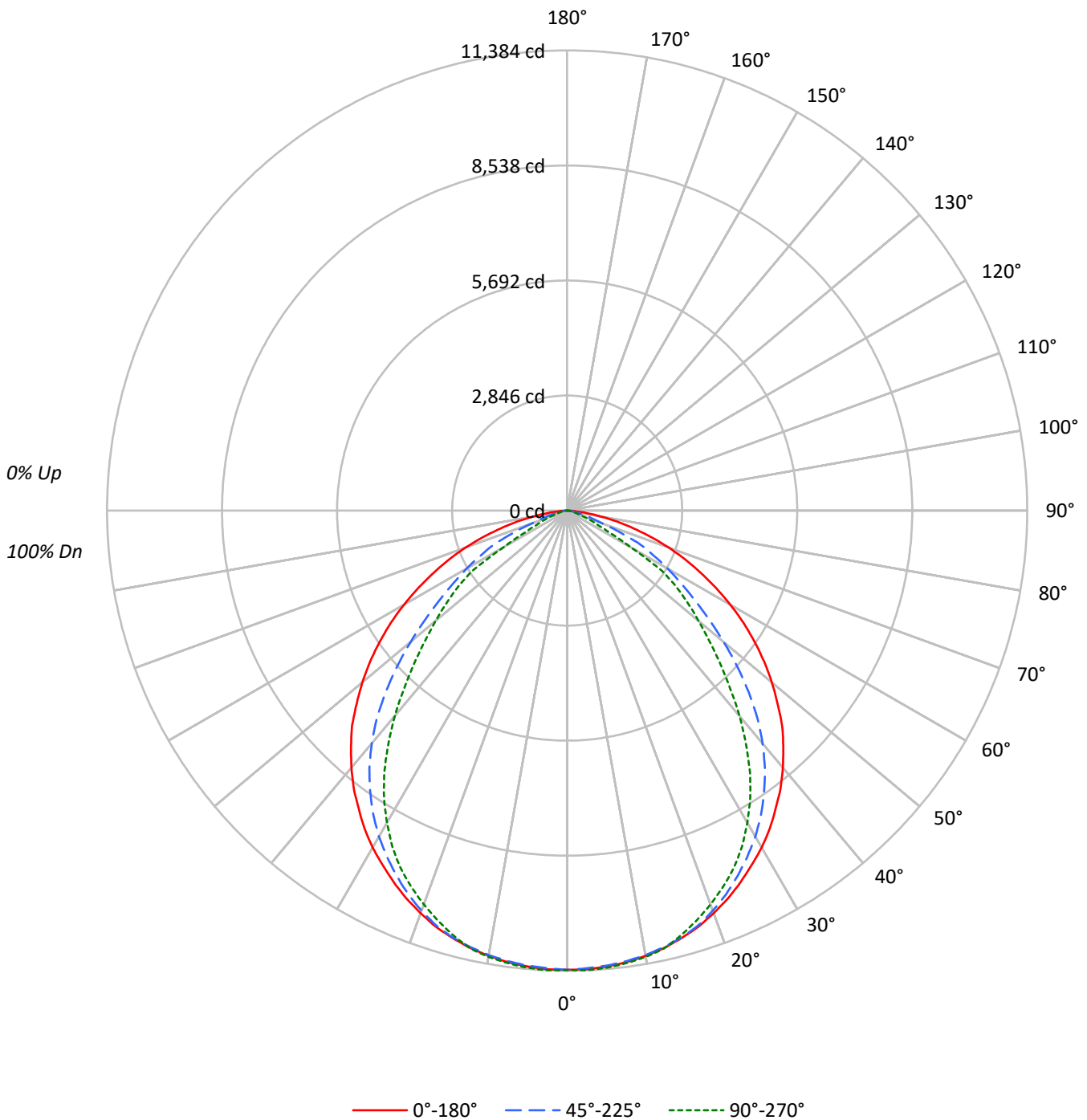
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25558.0 lumens  
Efficiency: N/A  
Efficacy: 125.3 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): 204  
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°	44143	44143	44143
5°	44150	44060	44263
10°	44134	44039	44220
15°	44029	43983	43756
20°	43817	43546	42865
25°	43492	42752	41814
30°	43176	41767	39980
35°	42661	40303	37383
40°	42099	38136	33636
45°	41334	34878	29389
50°	39968	30536	25674
55°	38336	26012	22411
60°	36216	22310	14308
65°	33558	18610	7585
70°	30288	10576	4915
75°	25446	6480	3057
80°	19338	3271	2678
85°	11749	2973	2416



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1075.8	4.2
10°-20°	3077.8	12.0
20°-30°	4588.0	18.0
30°-40°	5283.9	20.7
40°-50°	4917.4	19.2
50°-60°	3741.8	14.6
60°-70°	2008.5	7.9
70°-80°	739.0	2.9
80°-90°	125.7	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°	8741.7	34.2
0°-40°	14025.6	54.9
0°-60°	22684.8	88.8
0°-90°	25558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25558.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11363	11363	11363	11363	11363	
5°	11322	11289	11298	11338	11350	###
15°	10948	10930	10936	10915	10880	3090
25°	10146	10138	9974	9832	9755	4677
35°	8996	8886	8498	8071	7883	5631
45°	7524	7161	6348	5595	5349	5782
55°	5660	5020	3841	3419	3309	5056
65°	3651	2682	2024	1002	825	3620
75°	1695	1111	432	223	204	1817
85°	264	85	67	58	54	351
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11363.0	11363.0	11363.0	11363.0	<i>11363.0</i>
2.5°	<i>11354.9</i>	<i>11320.3</i>	<i>11332.0</i>	<i>11368.8</i>	<i>11383.7</i>
5°	11321.5	11289.3	11298.5	11337.7	<i>11350.4</i>
7.5°	11266.3	11235.2	11242.2	11279.0	<i>11291.7</i>
10°	11188.0	11155.9	11163.9	11199.5	<i>11209.9</i>
12.5°	11082.1	11052.2	11059.2	11084.5	<i>11096.0</i>
15°	10947.5	10930.2	10936.0	10915.2	<i>10879.6</i>
17.5°	10796.8	10771.4	10764.5	10672.5	<i>10634.4</i>
20°	10598.8	10589.6	10533.2	10419.3	<i>10368.6</i>
22.5°	10390.5	10373.1	10275.4	10138.4	<i>10077.4</i>
25°	10146.5	10138.4	9973.9	9832.2	<i>9755.1</i>
27.5°	9884.1	9864.5	9652.7	9475.5	<i>9370.7</i>
30°	9625.1	9576.8	9310.9	9062.3	<i>8912.7</i>
32.5°	9331.6	9240.6	8923.0	8605.4	<i>8432.8</i>
35°	8995.6	8886.2	8498.3	8071.3	<i>7882.6</i>
37.5°	8669.8	8505.2	8038.0	7504.0	<i>7262.3</i>
40°	8301.5	8065.6	7520.1	6899.7	<i>6632.7</i>
42.5°	7913.6	7625.9	6968.8	6247.2	<i>5973.2</i>
45°	7523.5	7161.0	6348.4	5594.6	<i>5349.4</i>
47.5°	7059.7	6675.4	5704.0	4971.9	<i>4761.3</i>
50°	6613.2	6164.3	5052.5	4391.9	<i>4248.0</i>
52.5°	6145.9	5601.5	4419.6	3901.6	<i>3762.3</i>
55°	5660.2	5020.2	3840.6	3419.4	<i>3308.9</i>
57.5°	5172.2	4423.0	3327.3	2980.9	<i>2783.0</i>
60°	4661.3	3830.2	2871.5	2422.7	<i>1841.5</i>
62.5°	4158.2	3213.3	2416.9	1519.2	<i>1171.6</i>
65°	3650.7	2681.6	2024.5	1002.4	<i>825.2</i>
67.5°	3166.2	2167.2	1444.4	726.2	<i>618.0</i>
70°	2666.6	1772.4	931.1	520.2	<i>432.7</i>
72.5°	2166.0	1426.0	638.8	341.9	<i>277.3</i>
75°	1695.3	1110.6	431.7	223.3	<i>203.7</i>
77.5°	1270.6	766.5	240.5	165.7	<i>155.4</i>
80°	864.4	459.3	146.2	126.6	<i>119.7</i>
82.5°	518.0	219.8	105.9	93.2	<i>89.8</i>
85°	263.6	85.1	66.7	57.5	<i>54.2</i>
87.5°	78.3	42.6	29.9	23.1	<i>21.9</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)