

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: P563362

Luminaire Tested: **VHB-30-W-UNV-L840-CD**

Issue Date: 6/3/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563362  
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-L840-CD  
Description: 30000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 80CRI, 4000K CCT  
LEDS  
Light Source: -  
Ballast/Driver: -

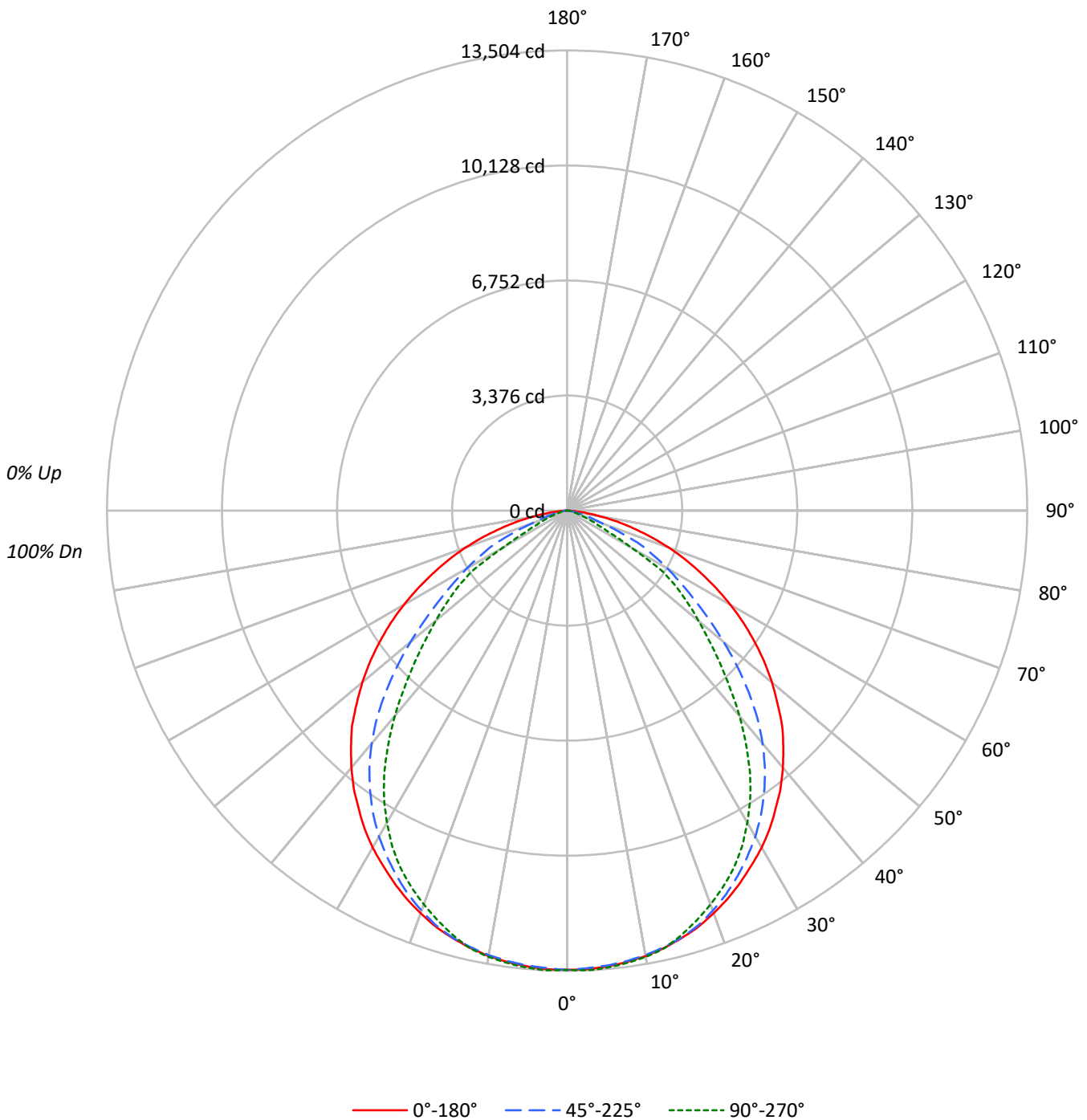
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30319.0 lumens  
Efficiency: N/A  
Efficacy: 148.6 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°	52366	52366	52366
5°	52374	52268	52508
10°	52355	52242	52457
15°	52231	52176	51907
20°	51979	51657	50850
25°	51594	50716	49604
30°	51219	49547	47428
35°	50608	47811	44346
40°	49942	45241	39902
45°	49033	41375	34864
50°	47413	36224	30456
55°	45478	30858	26586
60°	42963	26467	16973
65°	39809	22076	8998
70°	35931	12545	5830
75°	30186	7686	3626
80°	22940	3879	3175
85°	13938	3526	2862



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1276.2	4.2
10°-20°	3651.2	12.0
20°-30°	5442.7	18.0
30°-40°	6268.2	20.7
40°-50°	5833.5	19.2
50°-60°	4438.9	14.6
60°-70°	2382.7	7.9
70°-80°	876.6	2.9
80°-90°	149.1	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°	10370.1	34.2
0°-40°	16638.3	54.9
0°-60°	26910.6	88.8
0°-90°	30319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30319.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13480	13480	13480	13480	13480	
5°	13430	13392	13403	13450	13465	###
15°	12987	12966	12973	12948	12906	3665
25°	12037	12027	11832	11664	11572	5548
35°	10671	10542	10081	9575	9351	6680
45°	8925	8495	7531	6637	6346	6859
55°	6715	5955	4556	4056	3925	5998
65°	4331	3181	2402	1189	979	4295
75°	2011	1318	512	265	242	2156
85°	313	101	79	68	64	417
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13479.8	13479.8	13479.8	13479.8	<i>13479.8</i>
2.5°	<i>13470.1</i>	<i>13429.1</i>	<i>13442.9</i>	<i>13486.6</i>	<i>13504.3</i>
5°	13430.5	13392.3	13403.2	13449.7	<i>13464.7</i>
7.5°	13365.0	13328.2	13336.4	13380.1	<i>13395.1</i>
10°	13272.2	13234.0	13243.5	13285.8	<i>13298.1</i>
12.5°	13146.5	13111.1	13119.3	13149.4	<i>13163.0</i>
15°	12986.8	12966.3	12973.2	12948.5	<i>12906.3</i>
17.5°	12808.0	12778.0	12769.7	12660.5	<i>12615.5</i>
20°	12573.2	12562.3	12495.3	12360.2	<i>12300.1</i>
22.5°	12326.0	12305.5	12189.5	12027.0	<i>11954.6</i>
25°	12036.6	12027.0	11831.8	11663.8	<i>11572.3</i>
27.5°	11725.3	11702.1	11450.8	11240.7	<i>11116.3</i>
30°	11418.0	11360.8	11045.4	10750.4	<i>10573.0</i>
32.5°	11069.9	10962.0	10585.2	10208.4	<i>10003.7</i>
35°	10671.3	10541.5	10081.4	9574.8	<i>9350.9</i>
37.5°	10284.9	10089.6	9535.3	8901.8	<i>8615.1</i>
40°	9848.0	9568.0	8921.0	8185.0	<i>7868.2</i>
42.5°	9387.8	9046.5	8267.0	7410.9	<i>7085.9</i>
45°	8925.0	8495.0	7531.0	6636.8	<i>6345.9</i>
47.5°	8374.7	7918.9	6766.5	5898.1	<i>5648.3</i>
50°	7845.1	7312.6	5993.7	5210.1	<i>5039.3</i>
52.5°	7290.8	6645.0	5242.8	4628.4	<i>4463.2</i>
55°	6714.6	5955.4	4556.1	4056.4	<i>3925.3</i>
57.5°	6135.6	5247.0	3947.2	3536.2	<i>3301.4</i>
60°	5529.6	4543.7	3406.5	2874.0	<i>2184.5</i>
62.5°	4932.8	3811.9	2867.2	1802.2	<i>1389.8</i>
65°	4330.7	3181.1	2401.6	1189.2	<i>978.9</i>
67.5°	3756.0	2570.9	1713.4	861.5	<i>733.1</i>
70°	3163.4	2102.5	1104.5	617.1	<i>513.3</i>
72.5°	2569.5	1691.6	757.8	405.6	<i>329.0</i>
75°	2011.1	1317.5	512.1	264.9	<i>241.6</i>
77.5°	1507.2	909.3	285.3	196.5	<i>184.4</i>
80°	1025.4	544.8	173.4	150.2	<i>141.9</i>
82.5°	614.4	260.8	125.6	110.6	<i>106.5</i>
85°	312.7	101.0	79.1	68.2	<i>64.2</i>
87.5°	92.9	50.5	35.4	27.4	<i>26.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)