

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: P563358

Luminaire Tested: **VHB-30-W-UNV-L735-CD**

Issue Date: 6/3/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563358  
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-L735-CD  
Description: 30000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 3500K CCT  
LEDS  
Light Source: -  
Ballast/Driver: -

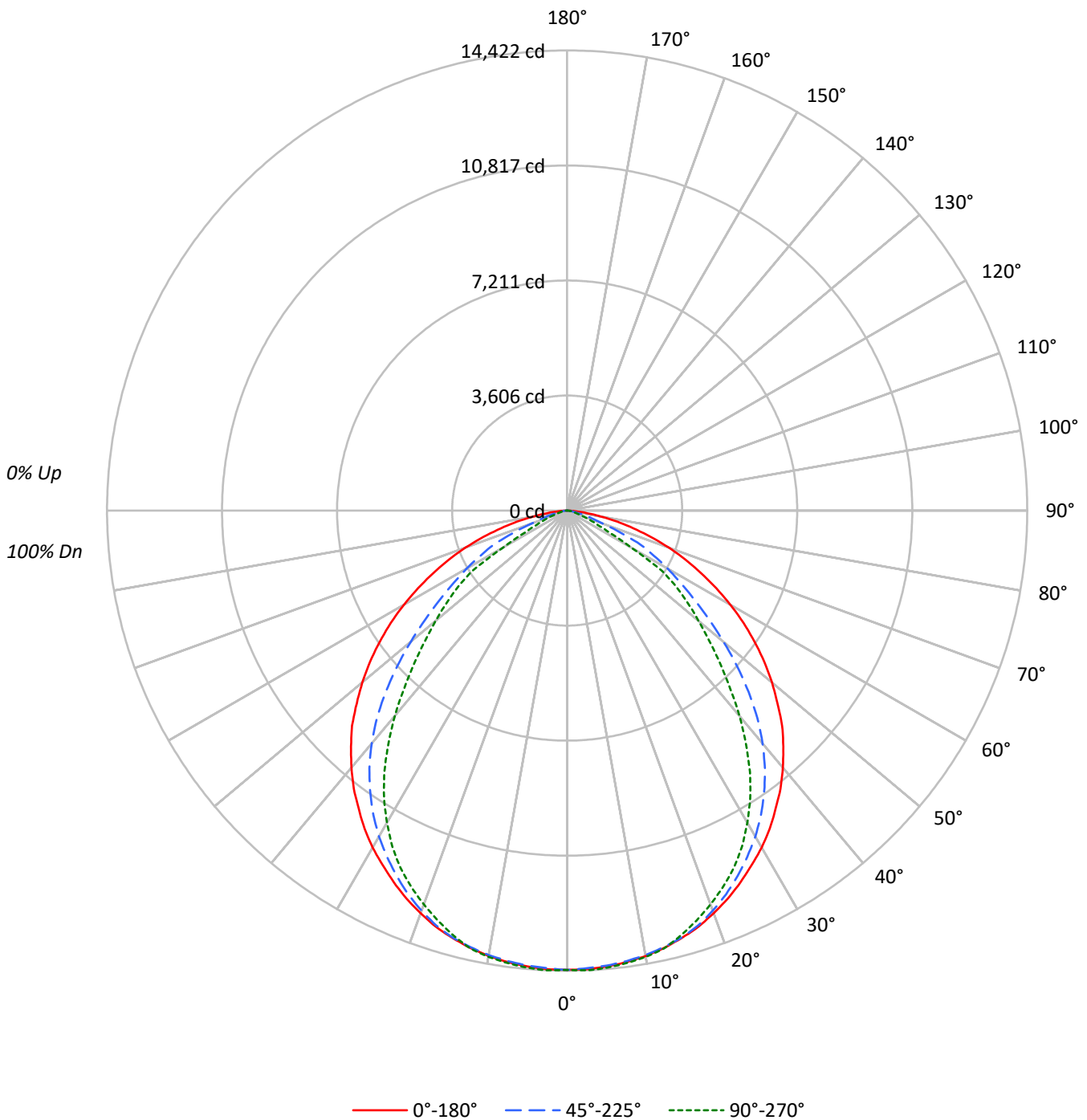
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32380.0 lumens  
Efficiency: N/A  
Efficacy: 158.7 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	55926	55926	55926
5°	55935	55821	56077
10°	55914	55794	56023
15°	55782	55723	55435
20°	55513	55169	54307
25°	55101	54163	52976
30°	54701	52915	50653
35°	54048	51061	47361
40°	53336	48316	42614
45°	52366	44187	37234
50°	50636	38686	32526
55°	48569	32956	28394
60°	45883	28266	18126
65°	42515	23577	9610
70°	38373	13398	6227
75°	32238	8209	3874
80°	24499	4143	3392
85°	14883	3766	3058



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1362.9	4.2
10°-20°	3899.4	12.0
20°-30°	5812.7	18.0
30°-40°	6694.3	20.7
40°-50°	6230.0	19.2
50°-60°	4740.6	14.6
60°-70°	2544.7	7.9
70°-80°	936.2	2.9
80°-90°	159.2	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°	11075.0	34.2
0°-40°	17769.3	54.9
0°-60°	28740.0	88.8
0°-90°	32380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14396	14396	14396	14396	14396	
5°	14344	14303	14314	14364	14380	###
15°	13870	13848	13855	13829	13784	3915
25°	12855	12844	12636	12457	12359	5925
35°	11397	11258	10767	10226	9987	7134
45°	9532	9072	8043	7088	6777	7325
55°	7171	6360	4866	4332	4192	6405
65°	4625	3397	2565	1270	1045	4586
75°	2148	1407	547	283	258	2302
85°	334	108	84	73	69	445
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	14396.1	14396.1	14396.1	14396.1	14396.1
2.5°	14385.8	14342.0	14356.7	14403.3	14422.3
5°	14343.5	14302.6	14314.3	14364.0	14380.0
7.5°	14273.6	14234.2	14243.0	14289.6	14305.7
10°	14174.4	14133.6	14143.8	14188.9	14202.1
12.5°	14040.2	14002.3	14011.1	14043.2	14057.7
15°	13869.7	13847.7	13855.1	13828.8	13783.6
17.5°	13678.7	13646.6	13637.8	13521.2	13473.0
20°	13427.9	13416.2	13344.7	13200.4	13136.2
22.5°	13163.9	13141.9	13018.1	12844.5	12767.3
25°	12854.8	12844.5	12636.1	12456.7	12359.0
27.5°	12522.4	12497.6	12229.2	12004.8	11871.9
30°	12194.2	12133.0	11796.2	11481.2	11291.8
32.5°	11822.4	11707.2	11304.8	10902.4	10683.7
35°	11396.7	11258.1	10766.7	10225.7	9986.6
37.5°	10984.0	10775.5	10183.5	9507.0	9200.7
40°	10517.4	10218.5	9527.4	8741.4	8403.1
42.5°	10026.0	9661.4	8829.0	7914.7	7567.6
45°	9531.6	9072.5	8042.9	7087.9	6777.3
47.5°	8944.0	8457.2	7226.5	6299.1	6032.2
50°	8378.4	7809.7	6401.1	5564.3	5381.9
52.5°	7786.4	7096.7	5599.2	4943.0	4766.6
55°	7171.1	6360.2	4865.8	4332.1	4192.2
57.5°	6552.7	5603.6	4215.5	3776.6	3525.8
60°	5905.5	4852.6	3638.0	3069.3	2333.0
62.5°	5268.2	4071.0	3062.1	1924.7	1484.3
65°	4625.1	3397.4	2564.9	1270.0	1045.4
67.5°	4011.3	2745.7	1829.9	920.0	783.0
70°	3378.4	2245.5	1179.6	659.1	548.2
72.5°	2744.2	1806.6	809.3	433.1	351.3
75°	2147.8	1407.1	546.9	282.9	258.1
77.5°	1609.7	971.1	304.7	209.9	196.9
80°	1095.1	581.9	185.2	160.4	151.6
82.5°	656.2	278.5	134.2	118.1	113.7
85°	333.9	107.8	84.5	72.8	68.6
87.5°	99.2	53.9	37.9	29.2	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)