

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: P563288

Luminaire Tested: **VHB-30-N-UNV-L750-CD**

Issue Date: 6/3/2022



Test Information

Test Method: LM-79-08
Report Number: P563288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P364424)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VHB-30-N-UNV-L750-CD
Description: 30000 LUMEN, VHB LED LUMINAIRE WITH, NARROW LENS AND 70CRI, 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

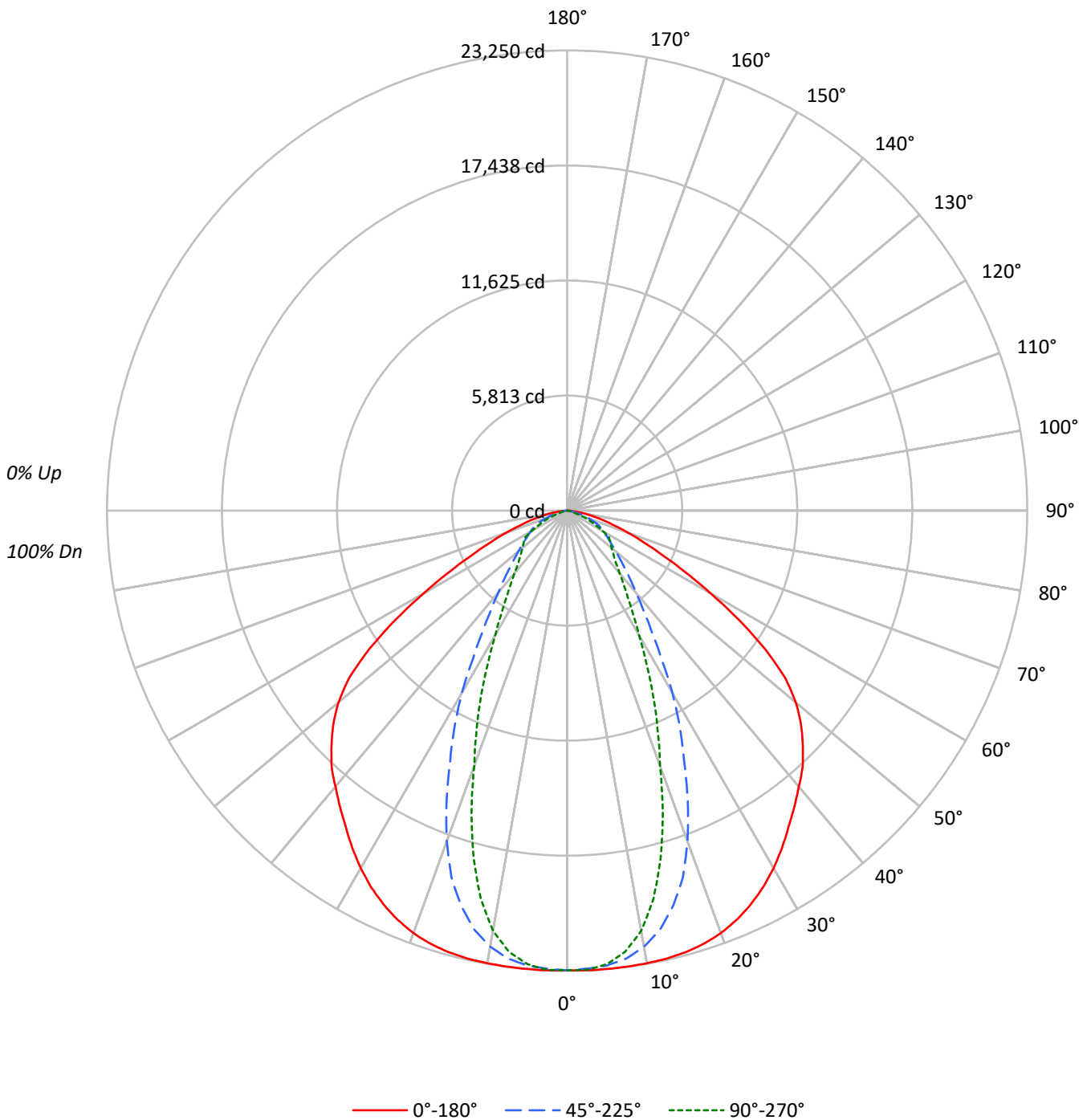
Lumens per Lamp: N/A
Luminaire Lumens: 32758.0 lumens
Efficiency: N/A
Efficacy: 160.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 0.72 / 0.86
Luminous Opening: Rectangular (W 1.75' x L: 1.58' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	68	64	71	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	66	59	53	76	66	58	53	64	57	53	62	57	52	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	44	42
9	65	53	46	41	63	52	45	41	51	45	41	50	44	40	49	44	40	39
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	90236	90236	90236
5°	90660	89971	89710
10°	91612	88246	85024
15°	92919	83144	73310
20°	93920	73453	56759
25°	94108	59980	43980
30°	93580	47638	32551
35°	92512	35300	25312
40°	92367	27413	20890
45°	92561	22559	18557
50°	91247	19511	17700
55°	82835	17392	17884
60°	65125	16622	16296
65°	48371	16110	12263
70°	37099	12896	7486
75°	28239	9198	4131
80°	20736	4280	3336
85°	12971	3677	2969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2182.3	6.7
10°-20°	5744.8	17.5
20°-30°	6937.5	21.2
30°-40°	6203.0	18.9
40°-50°	4857.4	14.8
50°-60°	3670.1	11.2
60°-70°	2179.8	6.7
70°-80°	837.7	2.6
80°-90°	145.6	0.4
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°	14864.6	45.4
0°-40°	21067.5	64.3
0°-60°	29595.0	90.3
0°-90°	32758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32758.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23228	23228	23228	23228	23228	
5°	23248	23147	23072	23041	23005	###
15°	23104	22342	20673	18945	18228	6528
25°	21955	19372	13993	11032	10260	10109
35°	19507	13882	7443	5804	5337	12233
45°	16848	7178	4106	3469	3378	12969
55°	12230	3895	2568	2558	2640	10740
65°	5262	2187	1753	1462	1334	5422
75°	1881	1052	613	303	275	2060
85°	291	101	82	72	67	388
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23227.9	23227.9	23227.9	23227.9	23227.9
2.5°	23249.9	23173.1	23167.1	23216.4	23223.8
5°	23248.2	23146.8	23071.7	23041.3	23004.8
7.5°	23241.1	23087.6	22834.1	22590.8	22477.8
10°	23223.8	22951.4	22370.7	21817.4	21553.7
12.5°	23186.0	22708.0	21682.5	20665.8	20112.5
15°	23103.5	22341.6	20673.2	18945.0	18228.0
17.5°	22954.1	21836.0	19436.1	16997.0	16074.2
20°	22718.2	21193.1	17767.6	14775.2	13729.4
22.5°	22379.2	20353.1	15929.5	12774.9	11939.3
25°	21954.9	19372.5	13993.1	11032.4	10260.4
27.5°	21450.9	18228.0	12324.3	9410.3	8649.8
30°	20861.5	16891.2	10619.7	7877.8	7256.5
32.5°	20202.3	15483.4	8839.7	6708.9	6197.8
35°	19507.1	13881.5	7443.4	5803.7	5337.3
37.5°	18852.3	12166.5	6303.6	5002.9	4675.4
40°	18213.8	10364.8	5405.5	4369.8	4119.3
42.5°	17611.1	8641.3	4719.0	3839.8	3675.9
45°	16847.9	7178.4	4106.2	3469.0	3377.7
47.5°	16038.1	6058.6	3619.5	3167.5	3135.8
50°	15098.0	5160.8	3228.4	2905.5	2928.6
52.5°	13878.5	4451.0	2857.6	2720.0	2788.3
55°	12230.3	3894.9	2567.9	2557.8	2640.5
57.5°	10299.6	3363.2	2339.1	2402.9	2495.6
60°	8382.0	2936.0	2139.3	2231.9	2097.4
62.5°	6696.0	2543.5	1949.6	1780.0	1664.3
65°	5262.2	2187.0	1752.6	1461.5	1334.1
67.5°	4196.1	1855.4	1474.4	1163.1	1057.3
70°	3266.2	1559.9	1135.4	873.4	659.1
72.5°	2503.0	1303.7	886.3	496.9	375.2
75°	1881.4	1051.6	612.8	302.8	275.2
77.5°	1341.2	780.8	327.2	218.7	202.8
80°	926.9	501.2	191.3	157.9	149.1
82.5°	575.0	242.0	130.5	112.9	105.8
85°	291.0	101.4	82.5	72.4	66.6
87.5°	97.0	49.3	37.5	34.8	31.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)