

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: P565437

Luminaire Tested: **VHB-12-W-UNV-L750-CD1-U**

Issue Date: 9/7/2021



Test Information

Test Method: LM-79-08
Report Number: P565437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-491-3)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 9/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VHB-12-W-UNV-L750-CD1-U
Description: VHB LED HIGH BAY LUMINAIRE WITH WIDE DISTRIBUTION LENS AND 5000K, 70 CRI LEDS

Light Source: -
Ballast/Driver: -

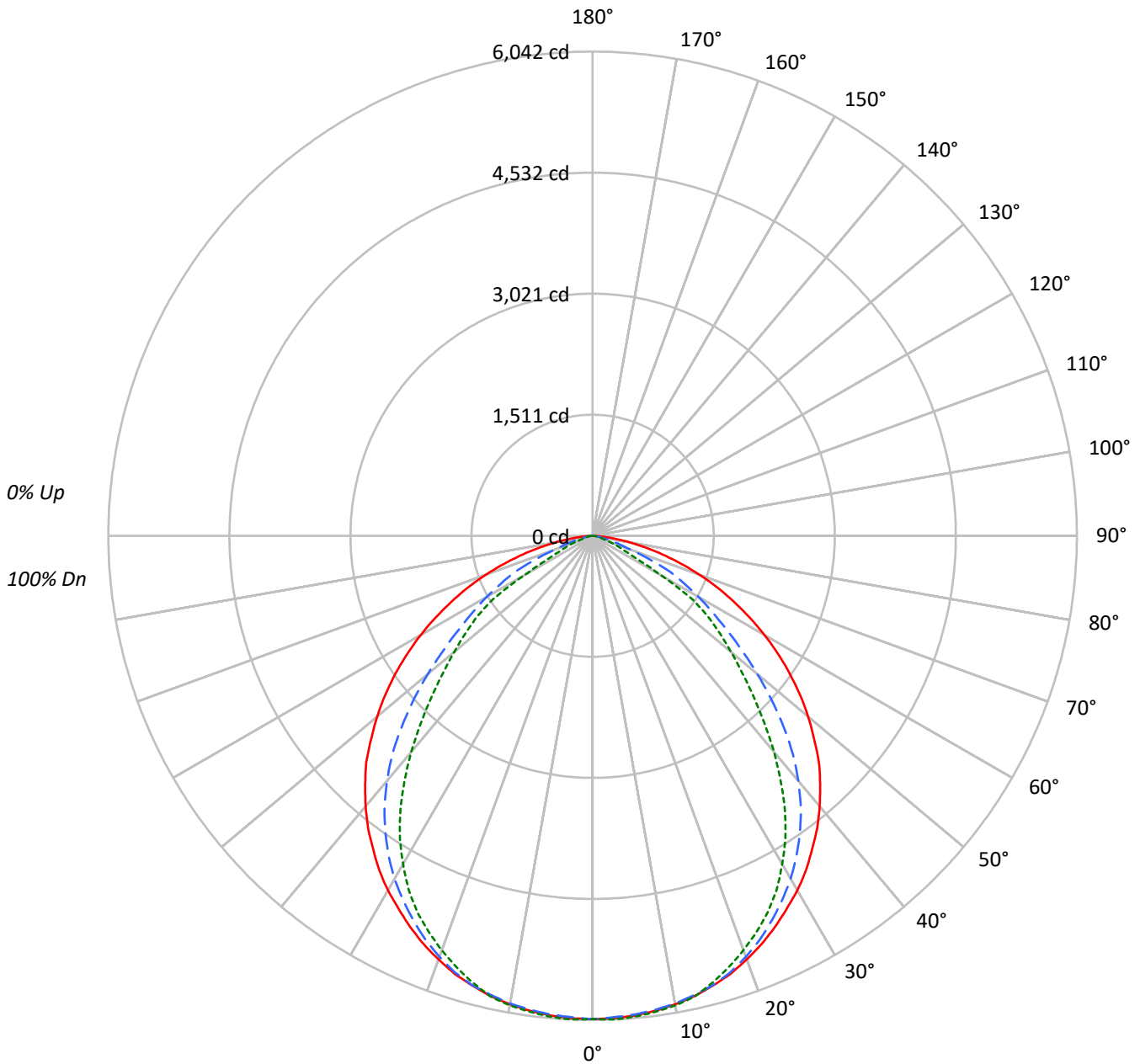
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13565.0 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.17' x L: 1.5' x H: 0')
CIE Type: Direct

Input Watts (W): 87
Input Voltage (V): NR
Input Current (A_{in}): 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									
RC	80									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	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°	37095	37095	37095
5°	37101	37025	37195
10°	37087	37008	37160
15°	36999	36960	36770
20°	36821	36593	36021
25°	36548	35926	35139
30°	36283	35098	33597
35°	35850	33868	31414
40°	35378	32047	28266
45°	34734	29310	24697
50°	33587	25660	21575
55°	32216	21859	18833
60°	30434	18749	12024
65°	28200	15638	6375
70°	25452	8888	4131
75°	21384	5445	2569
80°	16251	2749	2249
85°	9873	2498	2025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.0	4.2
10°-20°	1633.6	12.0
20°-30°	2435.1	18.0
30°-40°	2804.4	20.7
40°-50°	2610.0	19.2
50°-60°	1986.0	14.6
60°-70°	1066.0	7.9
70°-80°	392.2	2.9
80°-90°	66.7	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°	4639.7	34.2
0°-40°	7444.1	54.9
0°-60°	12040.1	88.8
0°-90°	13565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13565.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6031	6031	6031	6031	6031	
5°	6009	5992	5997	6018	6024	571
15°	5810	5801	5804	5793	5774	1640
25°	5385	5381	5294	5218	5178	2482
35°	4774	4716	4510	4284	4184	2989
45°	3993	3801	3370	2969	2839	3069
55°	3004	2664	2038	1815	1756	2683
65°	1938	1423	1074	532	438	1921
75°	900	590	229	118	108	965
85°	140	45	35	30	29	186
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6030.9	6030.9	6030.9	6030.9	6030.9
2.5°	6026.7	6008.3	6014.5	6034.0	6041.9
5°	6009.0	5991.8	5996.7	6017.5	6024.2
7.5°	5979.6	5963.1	5966.8	5986.4	5993.1
10°	5938.1	5921.0	5925.3	5944.2	5949.7
12.5°	5881.9	5866.0	5869.7	5883.1	5889.2
15°	5810.4	5801.3	5804.3	5793.3	5774.4
17.5°	5730.4	5717.0	5713.3	5664.4	5644.3
20°	5625.3	5620.5	5590.5	5530.0	5503.2
22.5°	5514.8	5505.6	5453.7	5381.0	5348.6
25°	5385.3	5381.0	5293.6	5218.5	5177.6
27.5°	5246.0	5235.6	5123.2	5029.1	4973.6
30°	5108.6	5082.9	4941.8	4809.9	4730.4
32.5°	4952.8	4904.5	4735.9	4567.3	4475.7
35°	4774.4	4716.4	4510.5	4283.9	4183.7
37.5°	4601.5	4514.2	4266.2	3982.8	3854.5
40°	4406.1	4280.9	3991.3	3662.1	3520.3
42.5°	4200.2	4047.5	3698.7	3315.7	3170.3
45°	3993.1	3800.7	3369.5	2969.4	2839.2
47.5°	3747.0	3542.9	3027.4	2638.9	2527.1
50°	3510.0	3271.7	2681.6	2331.0	2254.7
52.5°	3262.0	2973.0	2345.7	2070.8	1996.9
55°	3004.2	2664.5	2038.4	1814.8	1756.2
57.5°	2745.2	2347.5	1766.0	1582.1	1477.0
60°	2474.0	2032.9	1524.1	1285.8	977.4
62.5°	2207.0	1705.5	1282.8	806.3	621.8
65°	1937.6	1423.3	1074.5	532.1	438.0
67.5°	1680.5	1150.2	766.6	385.4	328.0
70°	1415.3	940.7	494.2	276.1	229.7
72.5°	1149.6	756.8	339.0	181.4	147.2
75°	899.8	589.5	229.1	118.5	108.1
77.5°	674.4	406.8	127.7	88.0	82.5
80°	458.8	243.7	77.6	67.2	63.5
82.5°	274.9	116.7	56.2	49.5	47.6
85°	139.9	45.2	35.4	30.5	28.7
87.5°	41.5	22.6	15.9	12.2	11.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)