

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: P565449

Luminaire Tested: **VHB-15-W-UNV-L750-CD1-U**

Issue Date: 9/7/2021



Test Information

Test Method: LM-79-08
Report Number: P565449
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-15-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

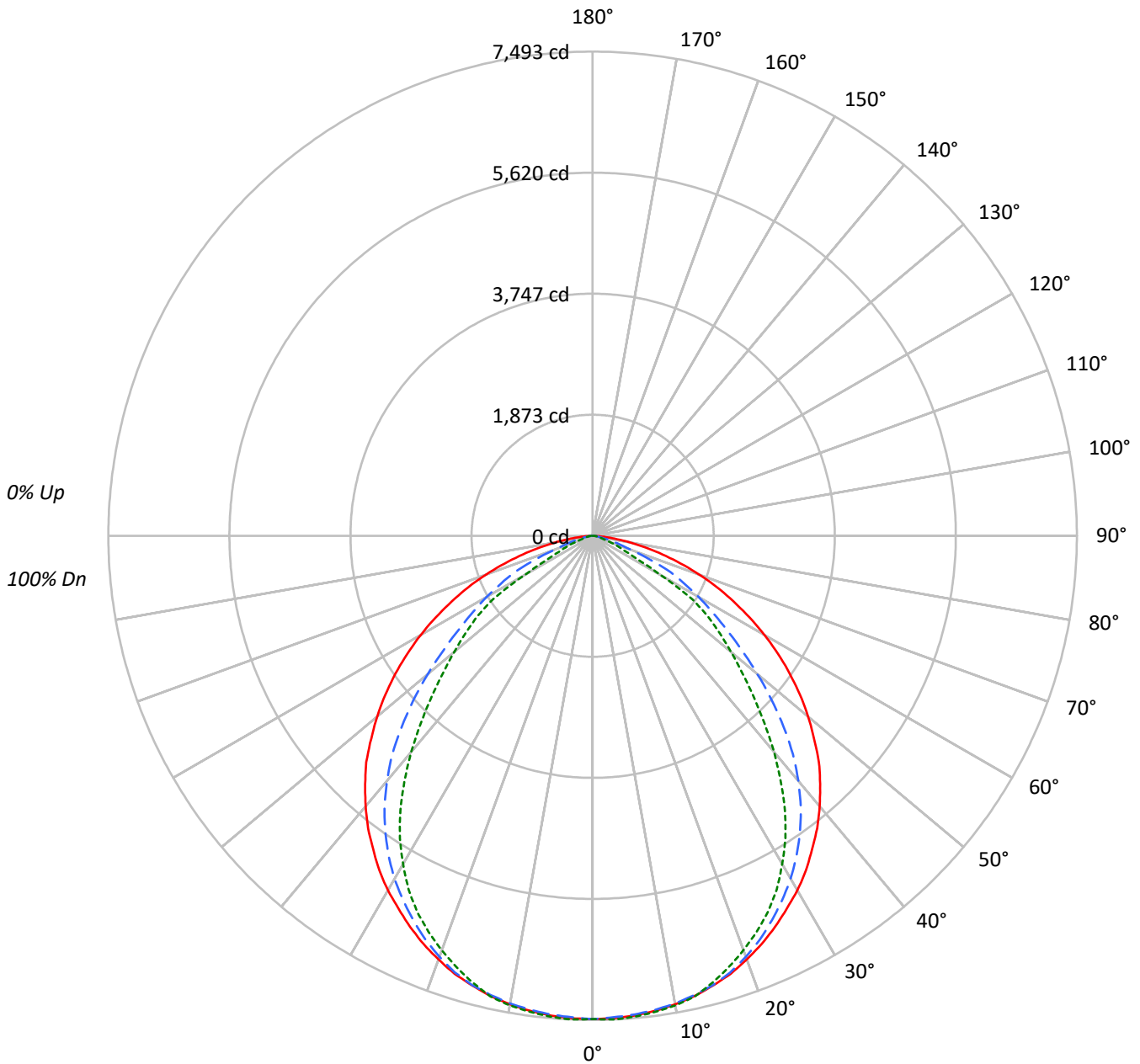
Lumens per Lamp: N/A
Luminaire Lumens: 16823.0 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.17' x L: 1.5' x H: 0')
CIE Type: Direct

Input Watts (W): 111.6
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	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				87				
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75				75				
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65				65				
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57				57				
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50				50				
6	74	62	53	48	72	61	53	47	59	52	47	57	51	47	56	50	46	44				44				
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	39				39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36				36				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32				32				
10	57	44	36	31	55	43	36	31	42	36	31	42	35	31	41	35	31	29				29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46004	46004	46004
5°	46012	45918	46129
10°	45995	45896	46085
15°	45886	45838	45601
20°	45664	45382	44673
25°	45326	44555	43578
30°	44997	43528	41666
35°	44460	42003	38960
40°	43874	39744	35054
45°	43077	36349	30629
50°	41654	31823	26757
55°	39953	27109	23356
60°	37742	23251	14911
65°	34973	19395	7906
70°	31567	11022	5122
75°	26519	6752	3187
80°	20151	3407	2791
85°	12244	3098	2512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.1	4.2
10°-20°	2025.9	12.0
20°-30°	3020.0	18.0
30°-40°	3478.0	20.7
40°-50°	3236.8	19.2
50°-60°	2463.0	14.6
60°-70°	1322.1	7.9
70°-80°	486.4	2.9
80°-90°	82.7	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°	5754.0	34.2
0°-40°	9232.0	54.9
0°-60°	14931.8	88.8
0°-90°	16823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7479	7479	7479	7479	7479	
5°	7452	7431	7437	7463	7471	709
15°	7206	7195	7198	7185	7161	2034
25°	6679	6673	6565	6472	6421	3078
35°	5921	5849	5594	5313	5189	3707
45°	4952	4714	4179	3682	3521	3806
55°	3726	3304	2528	2251	2178	3328
65°	2403	1765	1333	660	543	2383
75°	1116	731	284	147	134	1196
85°	174	56	44	38	36	231
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7479.4	7479.4	7479.4	7479.4	7479.4
2.5°	7474.1	7451.4	7459.0	7483.2	7493.1
5°	7452.2	7431.0	7437.0	7462.8	7471.1
7.5°	7415.8	7395.3	7399.9	7424.1	7432.5
10°	7364.3	7343.1	7348.4	7371.9	7378.7
12.5°	7294.6	7274.9	7279.4	7296.1	7303.7
15°	7206.0	7194.6	7198.4	7184.7	7161.3
17.5°	7106.7	7090.0	7085.5	7024.9	6999.9
20°	6976.4	6970.4	6933.2	6858.2	6824.9
22.5°	6839.3	6827.9	6763.5	6673.4	6633.2
25°	6678.7	6673.4	6565.1	6471.9	6421.1
27.5°	6506.0	6493.1	6353.7	6237.0	6168.1
30°	6335.5	6303.7	6128.7	5965.1	5866.6
32.5°	6142.3	6082.5	5873.4	5664.3	5550.7
35°	5921.1	5849.2	5593.9	5312.8	5188.6
37.5°	5706.7	5598.4	5290.8	4939.3	4780.2
40°	5464.3	5309.0	4949.9	4541.6	4365.8
42.5°	5209.0	5019.6	4587.1	4112.1	3931.8
45°	4952.2	4713.6	4178.7	3682.5	3521.2
47.5°	4646.9	4393.9	3754.5	3272.7	3134.0
50°	4353.0	4057.5	3325.7	2890.9	2796.2
52.5°	4045.4	3687.1	2909.0	2568.1	2476.5
55°	3725.7	3304.5	2528.0	2250.7	2178.0
57.5°	3404.5	2911.3	2190.1	1962.1	1831.8
60°	3068.1	2521.2	1890.1	1594.7	1212.1
62.5°	2737.1	2115.1	1590.9	1000.0	771.2
65°	2403.0	1765.1	1332.6	659.8	543.2
67.5°	2084.1	1426.5	950.7	478.0	406.8
70°	1755.3	1166.6	612.9	342.4	284.8
72.5°	1425.7	938.6	420.4	225.0	182.6
75°	1115.9	731.1	284.1	147.0	134.1
77.5°	836.4	504.5	158.3	109.1	102.3
80°	568.9	302.3	96.2	83.3	78.8
82.5°	340.9	144.7	69.7	61.4	59.1
85°	173.5	56.1	43.9	37.9	35.6
87.5°	51.5	28.0	19.7	15.2	14.4
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)