

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: P563333

Luminaire Tested: **VHB-15-W-UNV-L750-CD**

Issue Date: 6/3/2022



Test Information

Test Method: LM-79-08
Report Number: P563333
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-15-W-UNV-L750-CD
Description: 15000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 5000K CCT
LEDS
Light Source: -
Ballast/Driver: -

Summary

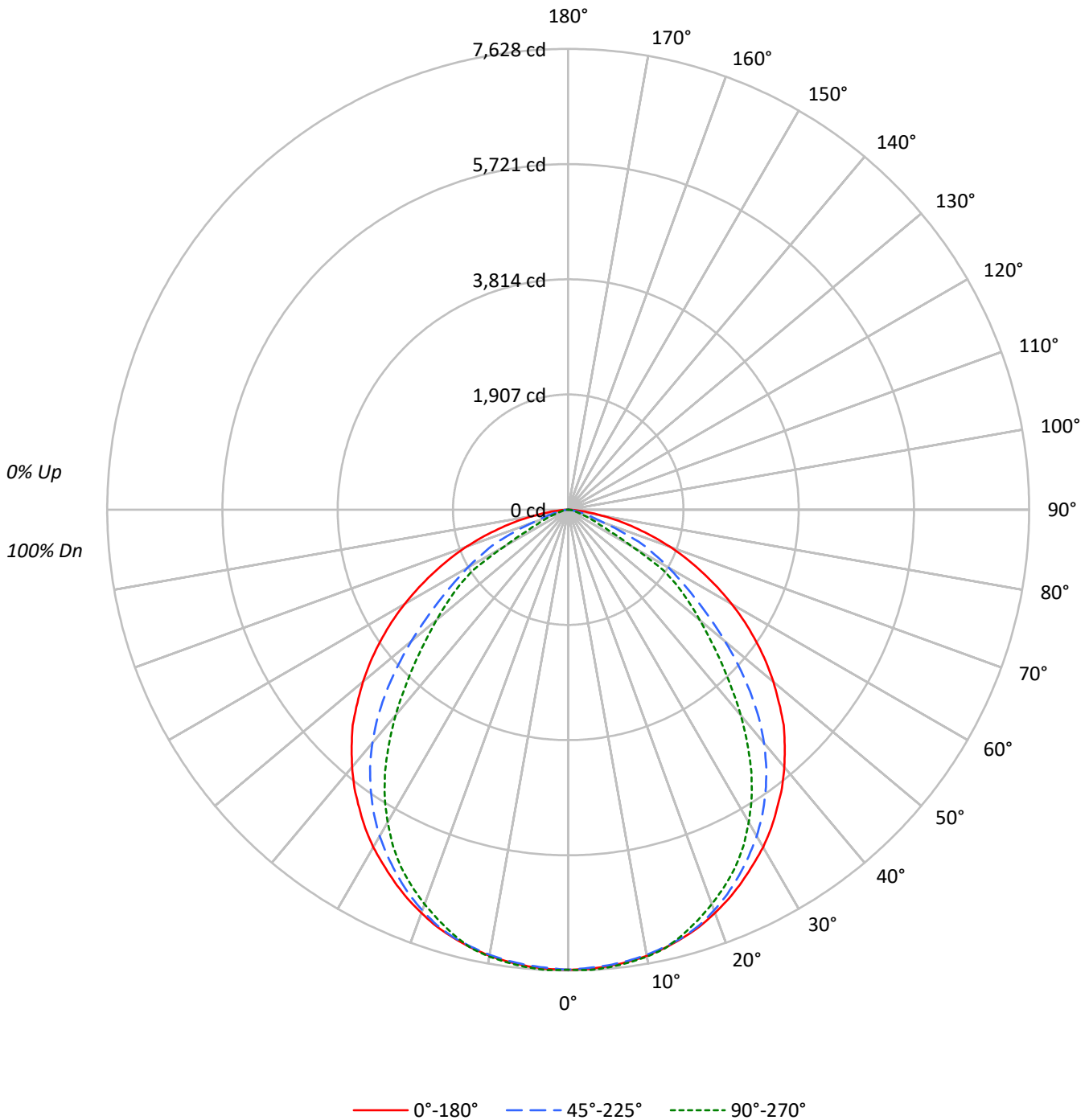
Lumens per Lamp: N/A
Luminaire Lumens: 17127.0 lumens
Efficiency: N/A
Efficacy: 164.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.17' x L: 1.58' x H: 0')
CIE Type: Direct

Input Watts (W): 104
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°	44372	44372	44372
5°	44379	44289	44491
10°	44362	44267	44449
15°	44257	44211	43983
20°	44044	43771	43087
25°	43717	42973	42031
30°	43400	41983	40188
35°	42882	40512	37577
40°	42318	38334	33810
45°	41547	35058	29542
50°	40176	30694	25807
55°	38536	26147	22527
60°	36404	22427	14381
65°	33732	18707	7625
70°	30446	10630	4941
75°	25577	6513	3073
80°	19436	3289	2691
85°	11807	2989	2427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.9	4.2
10°-20°	2062.5	12.0
20°-30°	3074.5	18.0
30°-40°	3540.9	20.7
40°-50°	3295.3	19.2
50°-60°	2507.5	14.6
60°-70°	1346.0	7.9
70°-80°	495.2	2.9
80°-90°	84.2	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°	5858.0	34.2
0°-40°	9398.8	54.9
0°-60°	15201.6	88.8
0°-90°	17127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17127.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7615	7615	7615	7615	7615	
5°	7587	7565	7571	7598	7606	721
15°	7336	7325	7328	7314	7291	2071
25°	6799	6794	6684	6589	6537	3134
35°	6028	5955	5695	5409	5282	3774
45°	5042	4799	4254	3749	3585	3874
55°	3793	3364	2574	2291	2217	3388
65°	2446	1797	1357	672	553	2426
75°	1136	744	289	150	136	1218
85°	177	57	45	38	36	235
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7614.6	7614.6	7614.6	7614.6	7614.6
2.5°	7609.2	7586.0	7593.8	7618.5	7628.5
5°	7586.8	7565.2	7571.4	7597.6	7606.1
7.5°	7549.8	7529.0	7533.6	7558.3	7566.8
10°	7497.3	7475.8	7481.2	7505.0	7512.0
12.5°	7426.4	7406.4	7411.0	7428.0	7435.7
15°	7336.2	7324.6	7328.5	7314.5	7290.7
17.5°	7235.2	7218.2	7213.5	7151.9	7126.4
20°	7102.5	7096.3	7058.5	6982.2	6948.2
22.5°	6962.9	6951.3	6885.7	6793.9	6753.1
25°	6799.4	6793.9	6683.7	6588.8	6537.1
27.5°	6623.6	6610.4	6468.5	6349.8	6279.5
30°	6450.0	6417.6	6239.5	6072.8	5972.6
32.5°	6253.3	6192.4	5979.5	5766.7	5651.0
35°	6028.1	5954.8	5694.9	5408.8	5282.3
37.5°	5809.9	5699.6	5386.4	5028.6	4866.6
40°	5563.1	5404.9	5039.4	4623.7	4444.7
42.5°	5303.1	5110.3	4670.0	4186.4	4002.8
45°	5041.6	4798.8	4254.2	3749.1	3584.8
47.5°	4730.8	4473.3	3822.4	3331.8	3190.7
50°	4431.7	4130.9	3385.8	2943.1	2846.7
52.5°	4118.5	3753.7	2961.6	2614.5	2521.2
55°	3793.1	3364.2	2573.7	2291.4	2217.4
57.5°	3466.0	2964.0	2229.7	1997.6	1864.9
60°	3123.6	2566.7	1924.3	1623.5	1234.0
62.5°	2786.5	2153.3	1619.6	1018.1	785.1
65°	2446.4	1797.0	1356.7	671.8	553.0
67.5°	2121.7	1452.3	967.9	486.6	414.1
70°	1787.0	1187.7	623.9	348.6	290.0
72.5°	1451.5	955.6	428.1	229.1	185.8
75°	1136.0	744.3	289.3	149.6	136.5
77.5°	851.4	513.6	161.2	111.0	104.1
80°	579.2	307.8	98.0	84.8	80.2
82.5°	347.1	147.3	71.0	62.5	60.2
85°	176.6	57.0	44.7	38.5	36.3
87.5°	52.5	28.5	20.0	15.5	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)