

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: P563387

Luminaire Tested: **VHB-9-W-UNV-L750-CD**

Issue Date: 6/3/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563387  
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-9-W-UNV-L750-CD  
Description: 9000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 5000K CCT  
LEDS  
Light Source: -  
Ballast/Driver: -

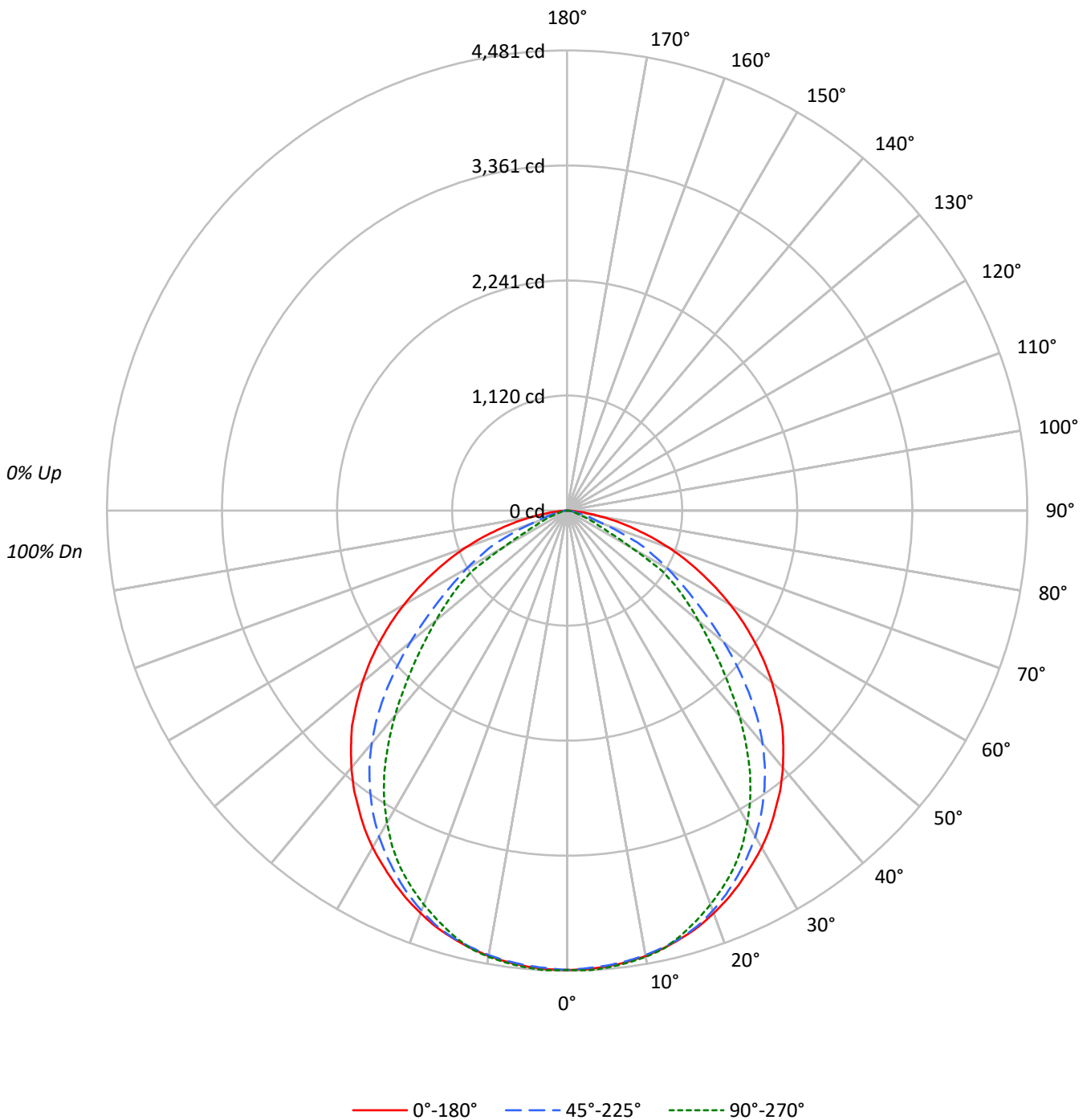
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10061.0 lumens  
Efficiency: N/A  
Efficacy: 179.7 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): 56  
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°	26066	26066	26066
5°	26070	26017	26136
10°	26060	26004	26111
15°	25998	25971	25837
20°	25873	25713	25311
25°	25681	25245	24690
30°	25494	24663	23607
35°	25190	23798	22074
40°	24858	22519	19861
45°	24406	20595	17354
50°	23600	18030	15159
55°	22637	15360	13234
60°	21385	13174	8448
65°	19815	10989	4478
70°	17884	6244	2901
75°	15026	3825	1806
80°	11420	1933	1581
85°	6940	1758	1424



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	423.5	4.2
10°-20°	1211.6	12.0
20°-30°	1806.1	18.0
30°-40°	2080.0	20.7
40°-50°	1935.8	19.2
50°-60°	1473.0	14.6
60°-70°	790.7	7.9
70°-80°	290.9	2.9
80°-90°	49.5	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°	3441.2	34.2
0°-40°	5521.2	54.9
0°-60°	8930.0	88.8
0°-90°	10061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10061.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4473	4473	4473	4473	4473	
5°	4457	4444	4448	4463	4468	424
15°	4310	4303	4305	4297	4283	1216
25°	3994	3991	3926	3870	3840	1841
35°	3541	3498	3345	3177	3103	2217
45°	2962	2819	2499	2202	2106	2276
55°	2228	1976	1512	1346	1303	1990
65°	1437	1056	797	395	325	1425
75°	667	437	170	88	80	715
85°	104	34	26	23	21	138
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4473.1	4473.1	4473.1	4473.1	4473.1
2.5°	4469.9	4456.3	4460.9	4475.4	4481.2
5°	4456.8	4444.1	4447.7	4463.1	4468.1
7.5°	4435.0	4422.8	4425.5	4440.0	4445.0
10°	4404.2	4391.6	4394.7	4408.7	4412.8
12.5°	4362.5	4350.7	4353.5	4363.5	4368.0
15°	4309.5	4302.7	4305.0	4296.8	4282.8
17.5°	4250.2	4240.2	4237.5	4201.3	4186.3
20°	4172.3	4168.6	4146.4	4101.6	4081.6
22.5°	4090.2	4083.4	4044.9	3991.0	3967.0
25°	3994.2	3991.0	3926.3	3870.5	3840.1
27.5°	3890.9	3883.2	3799.8	3730.1	3688.8
30°	3788.9	3769.9	3665.3	3567.4	3508.5
32.5°	3673.4	3637.6	3512.6	3387.6	3319.6
35°	3541.1	3498.1	3345.4	3177.3	3103.0
37.5°	3412.9	3348.1	3164.2	2954.0	2858.8
40°	3267.9	3175.0	2960.3	2716.1	2611.0
42.5°	3115.2	3002.0	2743.3	2459.2	2351.4
45°	2961.6	2819.0	2499.1	2202.3	2105.8
47.5°	2779.1	2627.8	2245.4	1957.2	1874.3
50°	2603.3	2426.6	1988.9	1728.9	1672.2
52.5°	2419.4	2205.1	1739.8	1535.9	1481.1
55°	2228.2	1976.2	1511.9	1346.1	1302.6
57.5°	2036.0	1741.1	1309.8	1173.5	1095.5
60°	1834.9	1507.8	1130.4	953.7	724.9
62.5°	1636.9	1264.9	951.4	598.0	461.2
65°	1437.1	1055.6	797.0	394.6	324.8
67.5°	1246.4	853.1	568.6	285.9	243.3
70°	1049.7	697.7	366.5	204.8	170.3
72.5°	852.7	561.3	251.5	134.6	109.2
75°	667.4	437.2	169.9	87.9	80.2
77.5°	500.2	301.7	94.7	65.2	61.2
80°	340.3	180.8	57.6	49.8	47.1
82.5°	203.9	86.5	41.7	36.7	35.3
85°	103.8	33.5	26.3	22.6	21.3
87.5°	30.8	16.8	11.8	9.1	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)