

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: P563332

Luminaire Tested: **VHB-15-W-UNV-L740-CD**

Issue Date: 6/3/2022



Test Information

Test Method: LM-79-08
Report Number: P563332
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-L740-CD
Description: 15000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 4000K CCT
LEDS
Light Source: -
Ballast/Driver: -

Summary

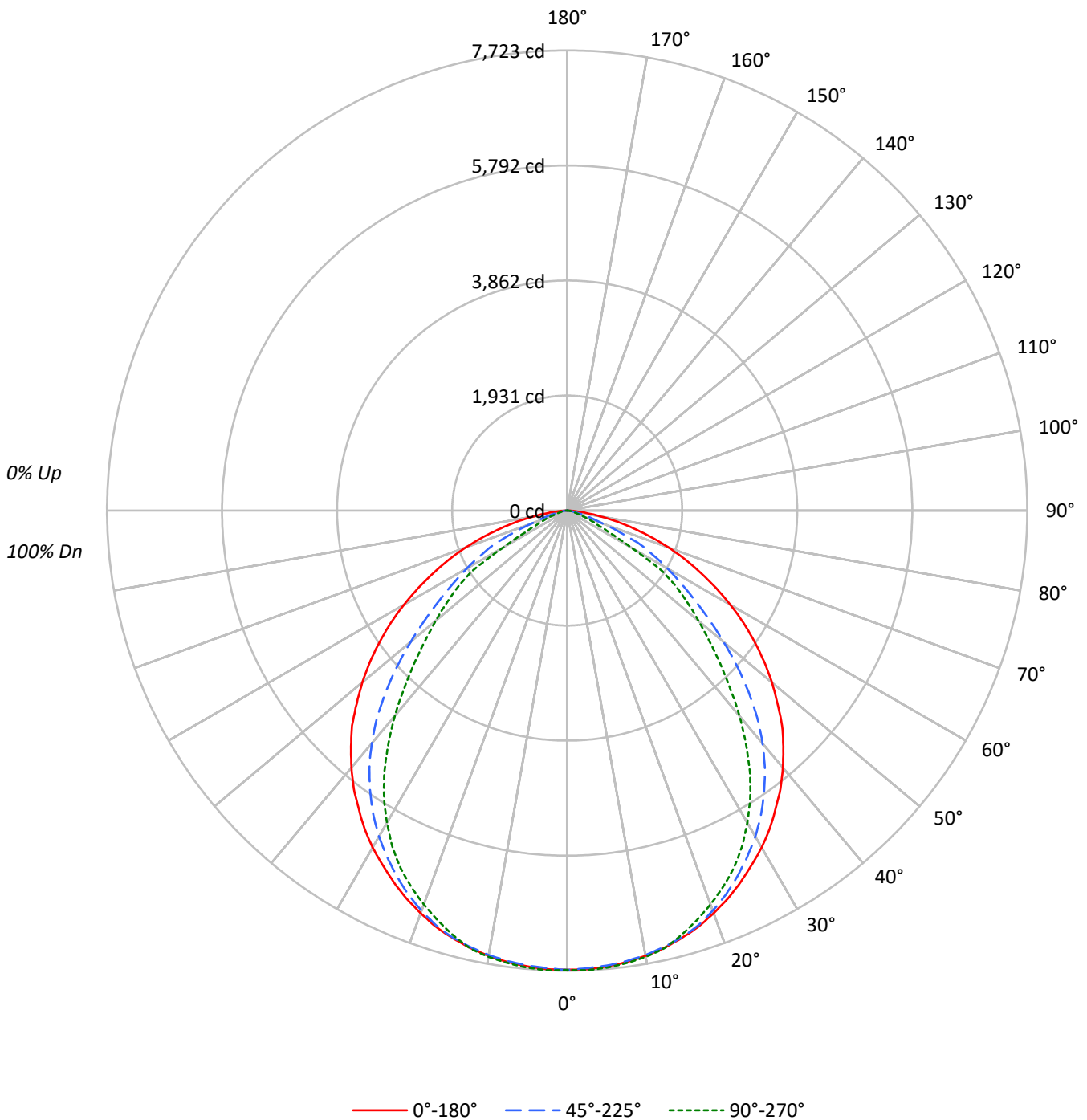
Lumens per Lamp: N/A
Luminaire Lumens: 17339.0 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.17' x L: 1.58' x H: 0')
CIE Type: Direct

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	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				
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°	44921	44921	44921
5°	44928	44837	45042
10°	44912	44815	44999
15°	44805	44758	44527
20°	44589	44313	43620
25°	44259	43506	42551
30°	43937	42503	40685
35°	43413	41013	38042
40°	42841	38809	34229
45°	42062	35493	29908
50°	40672	31074	26126
55°	39012	26471	22806
60°	36855	22704	14560
65°	34149	18938	7719
70°	30823	10763	5002
75°	25894	6592	3112
80°	19678	3329	2725
85°	11954	3022	2454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.8	4.2
10°-20°	2088.1	12.0
20°-30°	3112.6	18.0
30°-40°	3584.7	20.7
40°-50°	3336.1	19.2
50°-60°	2538.5	14.6
60°-70°	1362.6	7.9
70°-80°	501.3	2.9
80°-90°	85.3	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°	5930.5	34.2
0°-40°	9515.2	54.9
0°-60°	15389.8	88.8
0°-90°	17339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7709	7709	7709	7709	7709	
5°	7681	7659	7665	7692	7700	730
15°	7427	7415	7419	7405	7381	2096
25°	6884	6878	6766	6670	6618	3173
35°	6103	6029	5765	5476	5348	3820
45°	5104	4858	4307	3796	3629	3922
55°	3840	3406	2606	2320	2245	3430
65°	2477	1819	1374	680	560	2456
75°	1150	754	293	152	138	1233
85°	179	58	45	39	37	238
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7708.9	7708.9	7708.9	7708.9	7708.9
2.5°	7703.4	7679.9	7687.8	7712.8	7722.9
5°	7680.7	7658.8	7665.1	7691.7	7700.3
7.5°	7643.3	7622.2	7626.9	7651.9	7660.5
10°	7590.2	7568.3	7573.8	7597.9	7605.0
12.5°	7518.3	7498.0	7502.7	7519.9	7527.7
15°	7427.0	7415.2	7419.2	7405.1	7380.9
17.5°	7324.7	7307.5	7302.8	7240.4	7214.6
20°	7190.4	7184.2	7145.9	7068.6	7034.2
22.5°	7049.1	7037.3	6971.0	6878.0	6836.7
25°	6883.6	6878.0	6766.5	6670.4	6618.0
27.5°	6705.6	6692.3	6548.5	6428.4	6357.2
30°	6529.8	6497.1	6316.7	6148.0	6046.6
32.5°	6330.7	6269.0	6053.5	5838.1	5721.0
35°	6102.8	6028.6	5765.4	5475.7	5347.7
37.5°	5881.8	5770.1	5453.1	5090.8	4926.9
40°	5631.9	5471.8	5101.8	4680.9	4499.7
42.5°	5368.8	5173.6	4727.8	4238.2	4052.3
45°	5104.1	4858.2	4306.9	3795.5	3629.2
47.5°	4789.4	4528.7	3869.7	3373.0	3230.2
50°	4486.5	4182.0	3427.7	2979.6	2881.9
52.5°	4169.5	3800.2	2998.3	2646.9	2552.4
55°	3840.0	3405.8	2605.6	2319.8	2244.8
57.5°	3508.9	3000.7	2257.3	2022.3	1888.0
60°	3162.3	2598.5	1948.1	1643.6	1249.3
62.5°	2821.0	2180.0	1639.7	1030.7	794.8
65°	2476.7	1819.2	1373.5	680.1	559.8
67.5°	2148.0	1470.3	979.9	492.7	419.3
70°	1809.1	1202.4	631.7	352.9	293.6
72.5°	1469.5	967.4	433.4	231.9	188.1
75°	1150.1	753.5	292.8	151.5	138.2
77.5°	862.0	520.0	163.2	112.4	105.4
80°	586.4	311.6	99.2	85.9	81.2
82.5°	351.4	149.1	71.9	63.3	60.9
85°	178.8	57.7	45.2	39.0	36.7
87.5°	53.1	28.9	20.3	15.7	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)