

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: P563339

Luminaire Tested: **VHB-15-W-UNV-L950-CD**

Issue Date: 6/3/2022



Test Information

Test Method: LM-79-08
Report Number: P563339
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-L950-CD
Description: 15000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 90CRI, 5000K CCT
LEDS
Light Source: -
Ballast/Driver: -

Summary

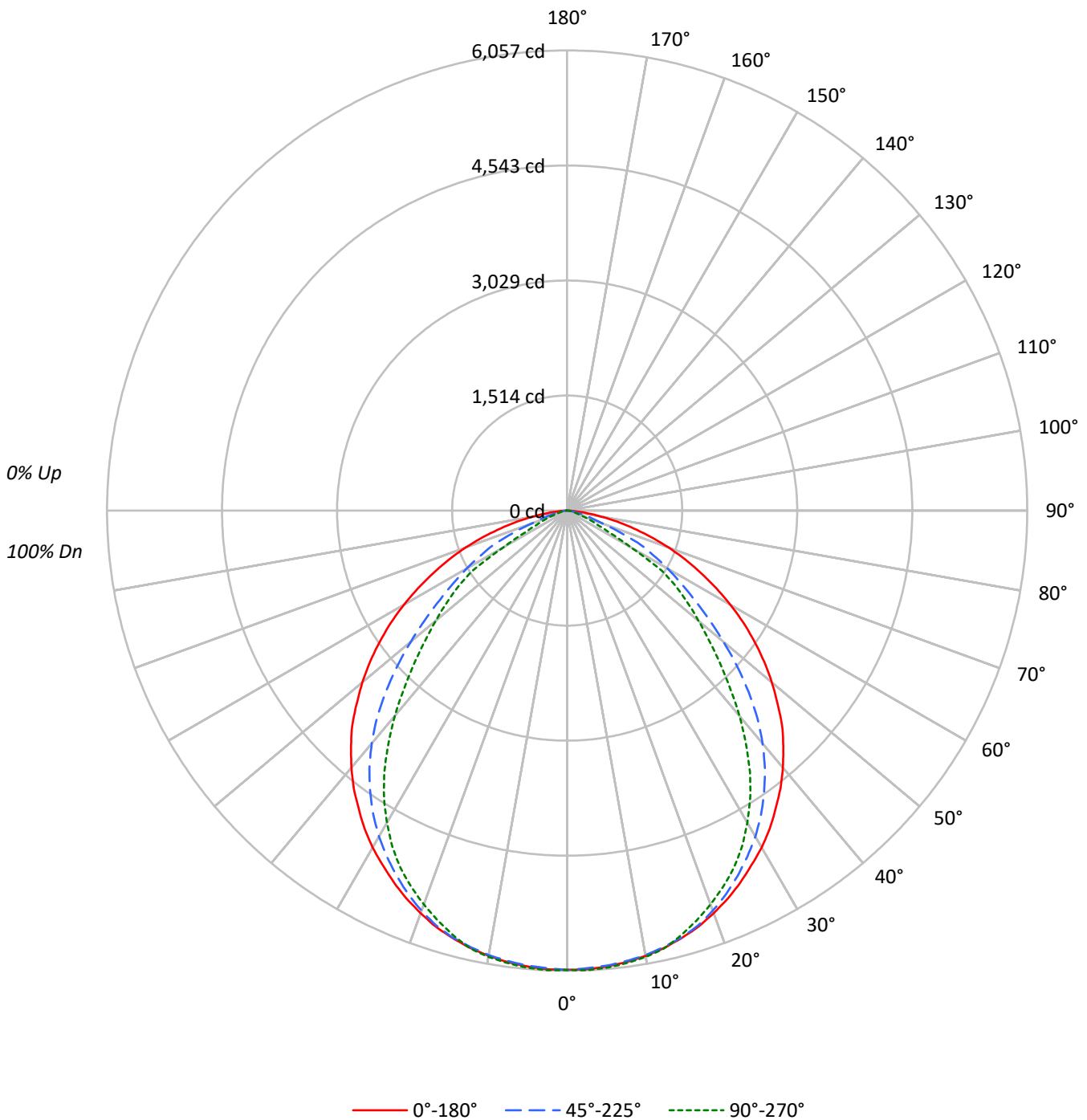
Lumens per Lamp: N/A
Luminaire Lumens: 13598.0 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.17' x L: 1.58' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P563339

CATALOG NUMBER: VHB-15-W-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P563339

CATALOG NUMBER: VHB-15-W-UNV-L950-CD

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°	35229	35229	35229
5°	35235	35163	35324
10°	35221	35146	35291
15°	35138	35102	34920
20°	34969	34752	34209
25°	34710	34119	33371
30°	34457	33332	31907
35°	34047	32165	29834
40°	33598	30435	26844
45°	32987	27834	23454
50°	31897	24370	20489
55°	30595	20760	17886
60°	28903	17806	11419
65°	26781	14851	6053
70°	24173	8440	3922
75°	20308	5172	2441
80°	15433	2611	2138
85°	9374	2374	1926



TEST NUMBER: P563339

CATALOG NUMBER: VHB-15-W-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.4	4.2
10°-20°	1637.5	12.0
20°-30°	2441.1	18.0
30°-40°	2811.3	20.7
40°-50°	2616.3	19.2
50°-60°	1990.8	14.6
60°-70°	1068.6	7.9
70°-80°	393.2	2.9
80°-90°	66.9	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°	4651.0	34.2
0°-40°	7462.2	54.9
0°-60°	12069.4	88.8
0°-90°	13598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13598.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6046	6046	6046	6046	6046	
5°	6024	6006	6011	6032	6039	573
15°	5825	5815	5818	5807	5788	1644
25°	5398	5394	5307	5231	5190	2488
35°	4786	4728	4522	4294	4194	2996
45°	4003	3810	3378	2977	2846	3076
55°	3012	2671	2043	1819	1760	2690
65°	1942	1427	1077	533	439	1926
75°	902	591	230	119	108	967
85°	140	45	36	31	29	187
90°	0	0	0	0	0	



TEST NUMBER: P563339

CATALOG NUMBER: VHB-15-W-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6045.6	6045.6	6045.6	6045.6	6045.6
2.5°	6041.3	6022.9	6029.1	6048.7	6056.6
5°	6023.6	6006.4	6011.3	6032.2	6038.9
7.5°	5994.2	5977.7	5981.3	6000.9	6007.7
10°	5952.5	5935.4	5939.7	5958.6	5964.2
12.5°	5896.2	5880.3	5884.0	5897.5	5903.6
15°	5824.6	5815.3	5818.5	5807.4	5788.4
17.5°	5744.4	5730.9	5727.2	5678.2	5658.0
20°	5639.1	5634.2	5604.1	5543.5	5516.6
22.5°	5528.2	5519.0	5466.9	5394.1	5361.6
25°	5398.4	5394.1	5306.6	5231.2	5190.2
27.5°	5258.8	5248.4	5135.7	5041.4	4985.6
30°	5121.0	5095.3	4953.8	4821.5	4742.0
32.5°	4964.8	4916.4	4747.4	4578.5	4486.6
35°	4786.1	4727.9	4521.5	4294.3	4193.9
37.5°	4612.7	4525.2	4276.6	3992.5	3863.9
40°	4416.8	4291.2	4001.0	3671.0	3528.9
42.5°	4210.4	4057.3	3707.7	3323.8	3178.0
45°	4002.8	3810.0	3377.6	2976.6	2846.1
47.5°	3756.1	3551.6	3034.8	2645.3	2533.2
50°	3518.5	3279.7	2688.2	2336.7	2260.1
52.5°	3269.9	2980.3	2351.4	2075.8	2001.7
55°	3011.5	2671.0	2043.4	1819.3	1760.5
57.5°	2751.8	2353.2	1770.3	1586.0	1480.7
60°	2480.0	2037.9	1527.8	1289.0	979.8
62.5°	2212.4	1709.6	1285.9	808.3	623.3
65°	1942.3	1426.7	1077.1	533.3	439.0
67.5°	1684.6	1153.1	768.5	386.4	328.8
70°	1418.8	943.0	495.4	276.8	230.2
72.5°	1152.4	758.7	339.9	181.9	147.5
75°	902.0	590.9	229.7	118.8	108.4
77.5°	676.0	407.8	128.0	88.1	82.7
80°	459.9	244.4	77.8	67.4	63.7
82.5°	275.6	117.0	56.4	49.6	47.8
85°	140.2	45.3	35.5	30.6	28.8
87.5°	41.7	22.6	15.9	12.3	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)