

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: P563366

Luminaire Tested: **VHB-30-W-UNV-L950-CD**

Issue Date: 6/3/2022



Test Information

Test Method: LM-79-08
Report Number: P563366
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-30-W-UNV-L950-CD
Description: 30000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 90CRI, 5000K CCT
LEDS
Light Source: -
Ballast/Driver: -

Summary

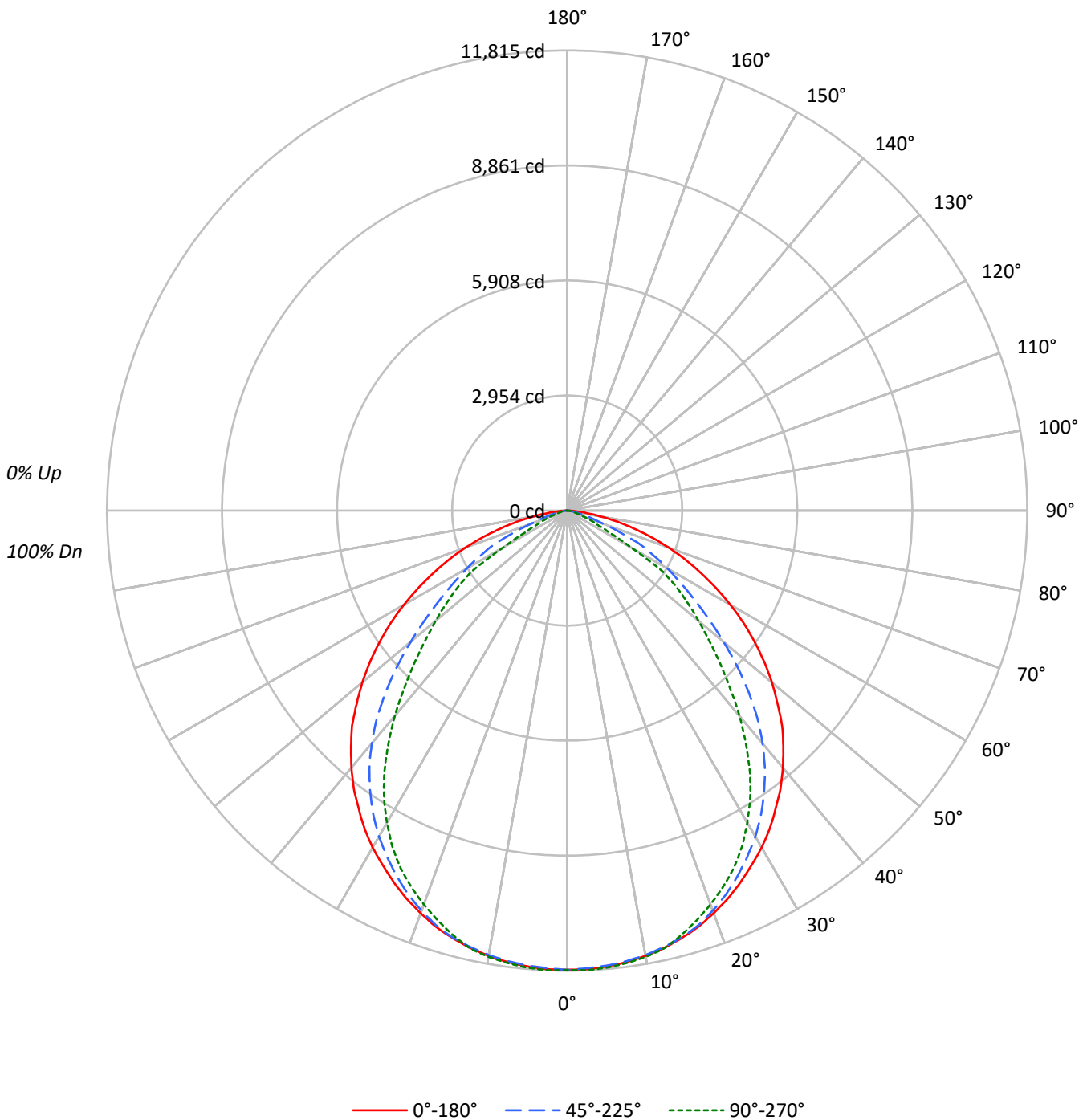
Lumens per Lamp: N/A
Luminaire Lumens: 26526.0 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.75' x L: 1.58' x H: 0')
CIE Type: Direct

Input Watts (W): 204
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°	45815	45815	45815
5°	45822	45729	45939
10°	45805	45706	45895
15°	45697	45649	45413
20°	45477	45195	44489
25°	45139	44371	43398
30°	44811	43349	41495
35°	44277	41830	38799
40°	43694	39581	34910
45°	42899	36199	30502
50°	41482	31692	26646
55°	39788	26998	23260
60°	37588	23156	14849
65°	34829	19315	7872
70°	31436	10976	5101
75°	26410	6724	3173
80°	20070	3394	2779
85°	12195	3084	2505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.5	4.2
10°-20°	3194.4	12.0
20°-30°	4761.8	18.0
30°-40°	5484.0	20.7
40°-50°	5103.7	19.2
50°-60°	3883.6	14.6
60°-70°	2084.6	7.9
70°-80°	766.9	2.9
80°-90°	130.4	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°	9072.8	34.2
0°-40°	14556.8	54.9
0°-60°	23544.0	88.8
0°-90°	26526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11793	11793	11793	11793	11793	
5°	11750	11717	11726	11767	11780	###
15°	11362	11344	11350	11329	11292	3207
25°	10531	10522	10352	10205	10125	4854
35°	9336	9223	8820	8377	8181	5845
45°	7808	7432	6589	5806	5552	6001
55°	5875	5210	3986	3549	3434	5247
65°	3789	2783	2101	1040	856	3757
75°	1760	1153	448	232	211	1886
85°	274	88	69	60	56	365
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11793.4	11793.4	11793.4	11793.4	11793.4
2.5°	11785.0	11749.1	11761.1	11799.4	11814.9
5°	11750.3	11716.8	11726.4	11767.1	11780.3
7.5°	11693.0	11660.8	11668.0	11706.2	11719.3
10°	11611.8	11578.4	11586.7	11623.7	11634.5
12.5°	11501.8	11470.8	11478.0	11504.3	11516.2
15°	11362.1	11344.2	11350.2	11328.6	11291.7
17.5°	11205.7	11179.4	11172.2	11076.7	11037.2
20°	11000.3	10990.7	10932.1	10813.9	10761.3
22.5°	10784.0	10766.0	10664.5	10522.3	10459.1
25°	10530.8	10522.3	10351.6	10204.6	10124.6
27.5°	10258.5	10238.1	10018.3	9834.4	9725.6
30°	9989.6	9939.5	9663.6	9405.5	9250.3
32.5°	9685.0	9590.6	9261.0	8931.3	8752.2
35°	9336.3	9222.8	8820.2	8377.0	8181.1
37.5°	8998.2	8827.4	8342.4	7788.2	7537.3
40°	8616.0	8371.1	7805.0	7161.0	6883.9
42.5°	8213.4	7914.7	7232.8	6483.8	6199.4
45°	7808.4	7432.3	6588.9	5806.5	5552.0
47.5°	7327.0	6928.2	5920.0	5160.2	4941.6
50°	6863.7	6397.8	5243.9	4558.3	4408.9
52.5°	6378.7	5813.7	4586.9	4049.4	3904.8
55°	5874.6	5210.4	3986.1	3548.9	3434.3
57.5°	5368.1	4590.5	3453.4	3093.8	2888.4
60°	4837.8	3975.3	2980.3	2514.4	1911.2
62.5°	4315.7	3335.0	2508.5	1576.7	1216.0
65°	3789.0	2783.2	2101.2	1040.4	856.4
67.5°	3286.1	2249.3	1499.1	753.7	641.4
70°	2767.6	1839.5	966.3	539.9	449.1
72.5°	2248.1	1480.0	663.0	354.8	287.8
75°	1759.5	1152.7	448.0	231.8	211.4
77.5°	1318.7	795.5	249.6	171.9	161.3
80°	897.1	476.7	151.7	131.4	124.2
82.5°	537.6	228.2	109.9	96.8	93.2
85°	273.6	88.3	69.2	59.7	56.2
87.5°	81.3	44.2	31.0	24.0	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)