

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: P563360

Luminaire Tested: **VHB-30-W-UNV-L750-CD**

Issue Date: 6/3/2022



Test Information

Test Method: LM-79-08
Report Number: P563360
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-L750-CD
Description: 30000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 5000K CCT
LEDS
Light Source: -
Ballast/Driver: -

Summary

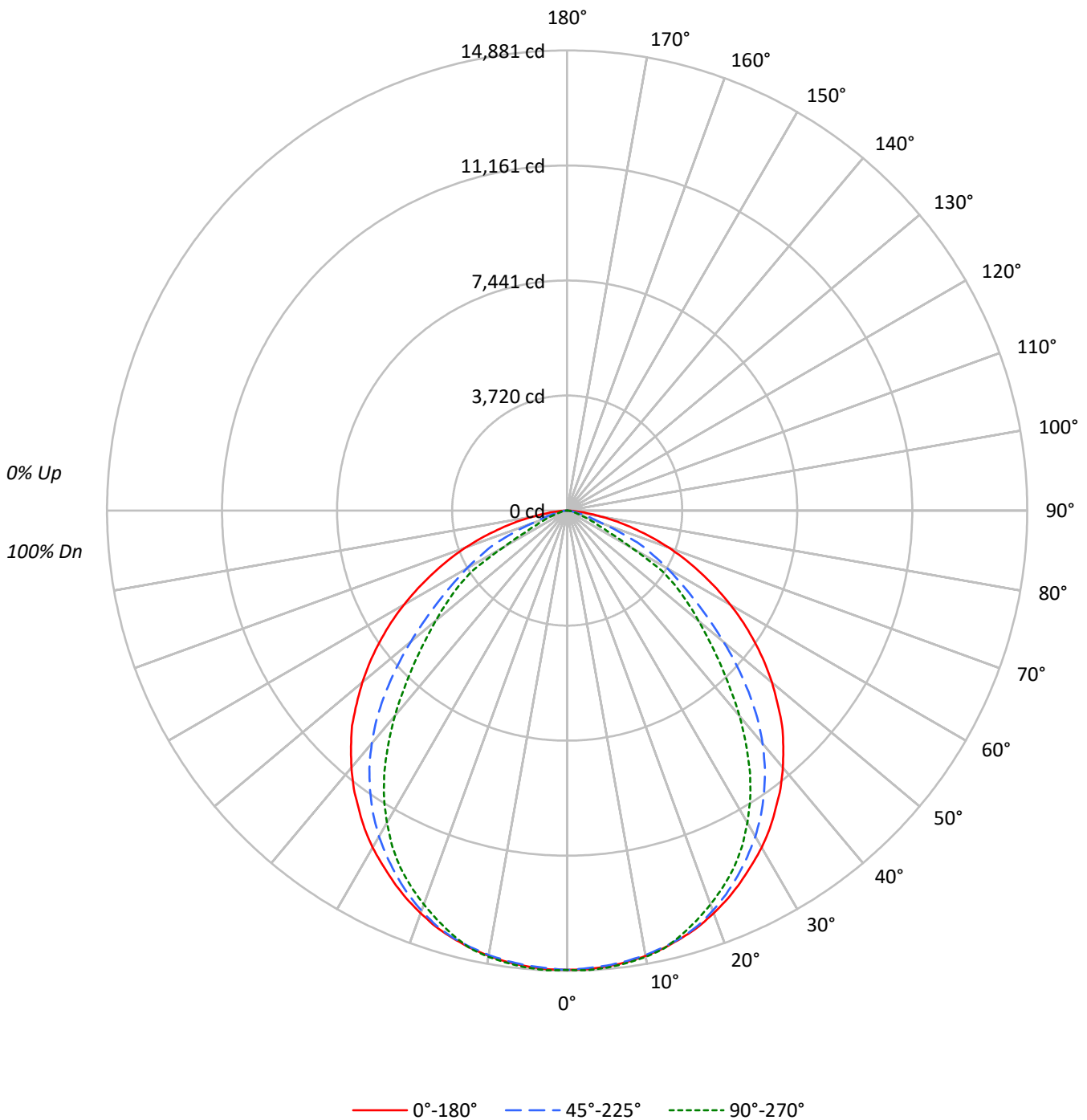
Lumens per Lamp: N/A
Luminaire Lumens: 33410.0 lumens
Efficiency: N/A
Efficacy: 163.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.75' x L: 1.58' x H: 0')
CIE Type: Direct

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°	57705	57705	57705
5°	57714	57596	57861
10°	57692	57568	57805
15°	57556	57495	57199
20°	57278	56924	56034
25°	56854	55887	54661
30°	56441	54599	52263
35°	55768	52685	48868
40°	55033	49853	43970
45°	54032	45593	38419
50°	52247	39917	33561
55°	50114	34004	29296
60°	47343	29165	18703
65°	43868	24327	9916
70°	39594	13824	6425
75°	33263	8470	3997
80°	25278	4275	3499
85°	15360	3887	3156



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1406.3	4.2
10°-20°	4023.4	12.0
20°-30°	5997.6	18.0
30°-40°	6907.2	20.7
40°-50°	6428.2	19.2
50°-60°	4891.4	14.6
60°-70°	2625.6	7.9
70°-80°	966.0	2.9
80°-90°	164.3	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°	11427.3	34.2
0°-40°	18334.5	54.9
0°-60°	29654.2	88.8
0°-90°	33410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14854	14854	14854	14854	14854	
5°	14800	14758	14770	14821	14837	###
15°	14311	14288	14296	14269	14222	4039
25°	13264	13253	13038	12853	12752	6114
35°	11759	11616	11109	10551	10304	7361
45°	9835	9361	8299	7313	6993	7558
55°	7399	6563	5021	4470	4326	6609
65°	4772	3505	2646	1310	1079	4732
75°	2216	1452	564	292	266	2376
85°	345	111	87	75	71	459
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14854.0	14854.0	14854.0	14854.0	14854.0
2.5°	14843.4	14798.2	14813.4	14861.5	14881.0
5°	14799.8	14757.6	14769.6	14820.9	14837.4
7.5°	14727.6	14687.0	14696.0	14744.2	14760.7
10°	14625.2	14583.2	14593.7	14640.2	14653.8
12.5°	14486.8	14447.7	14456.8	14489.9	14504.9
15°	14310.8	14288.2	14295.8	14268.6	14222.1
17.5°	14113.8	14080.7	14071.6	13951.3	13901.6
20°	13855.0	13843.0	13769.2	13620.3	13554.1
22.5°	13582.7	13560.0	13432.2	13253.1	13173.4
25°	13263.7	13253.1	13038.1	12852.9	12752.1
27.5°	12920.7	12895.1	12618.2	12386.6	12249.6
30°	12582.1	12519.0	12171.5	11846.4	11650.9
32.5°	12198.5	12079.6	11664.4	11249.2	11023.5
35°	11759.2	11616.2	11109.2	10551.0	10304.3
37.5°	11333.4	11118.2	10507.4	9809.4	9493.4
40°	10852.0	10543.5	9830.5	9019.5	8670.4
42.5°	10344.9	9968.8	9109.8	8166.4	7808.3
45°	9834.8	9361.1	8298.8	7313.4	6992.9
47.5°	9228.5	8726.2	7456.4	6499.4	6224.1
50°	8644.9	8058.2	6604.7	5741.3	5553.1
52.5°	8034.1	7322.5	5777.3	5100.3	4918.2
55°	7399.2	6562.6	5020.6	4469.9	4325.5
57.5°	6761.2	5781.9	4349.6	3896.7	3638.0
60°	6093.3	5007.0	3753.7	3167.0	2407.2
62.5°	5435.7	4200.5	3159.5	1985.9	1531.5
65°	4772.3	3505.4	2646.5	1310.4	1078.7
67.5°	4138.9	2833.0	1888.1	949.3	807.9
70°	3485.9	2316.9	1217.1	680.1	565.7
72.5°	2831.5	1864.1	835.1	446.9	362.5
75°	2216.1	1451.8	564.3	291.9	266.3
77.5°	1660.9	1002.0	314.4	216.6	203.1
80°	1129.9	600.4	191.1	165.5	156.4
82.5°	677.1	287.4	138.5	121.9	117.4
85°	344.6	111.3	87.2	75.2	70.8
87.5°	102.4	55.6	39.1	30.2	28.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)