

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: P830082

Luminaire Tested: **OHBL-24HE-W-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-W-UNV-L750-CD
Description: 24000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

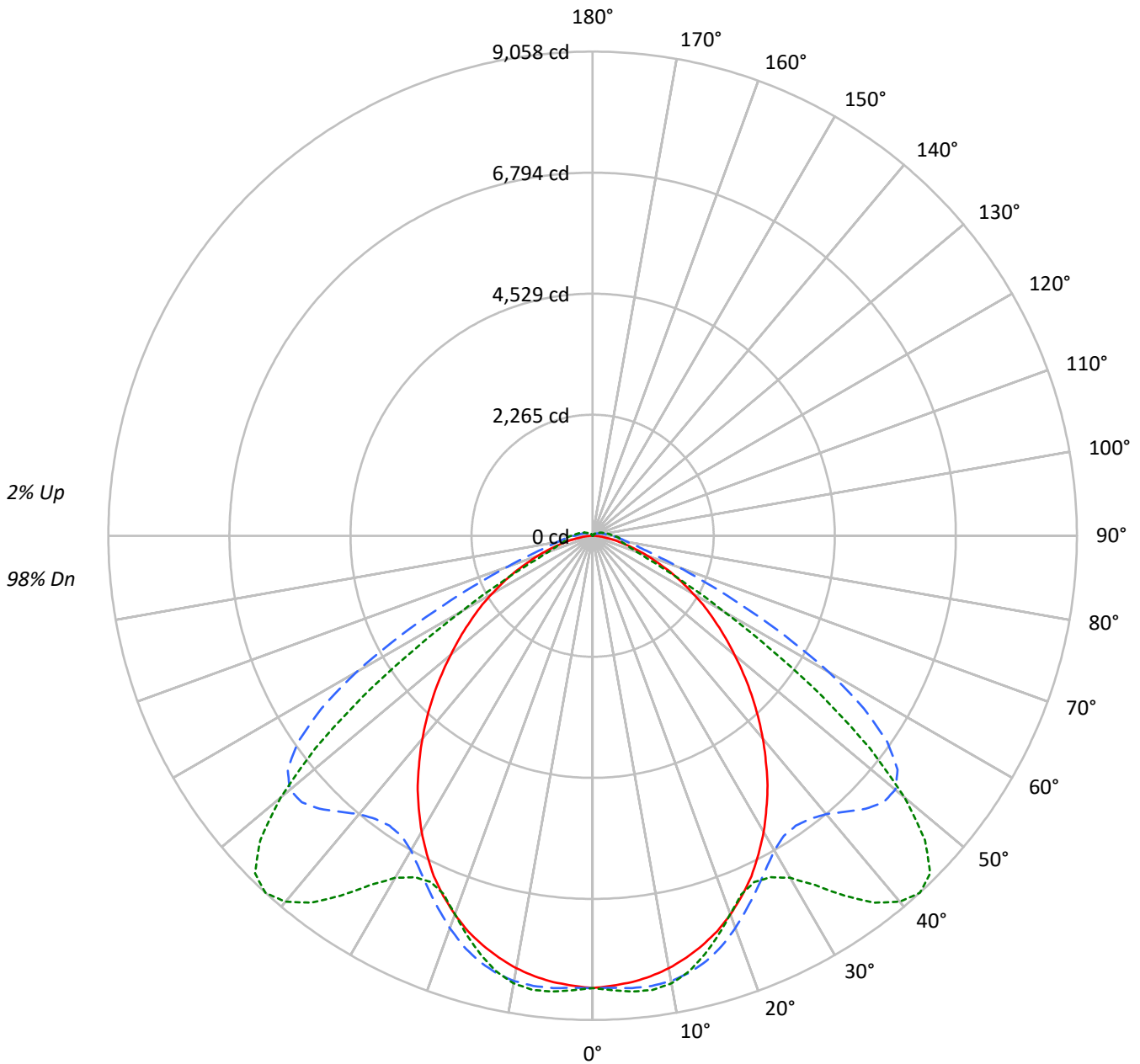
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25335.1 lumens
Efficiency: N/A
Efficacy: 190.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 133
Input Voltage (V): NR
Input Current (A_{in}): 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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13381	13381	13381
5°	13257	13369	13477
10°	13090	13355	13436
15°	12835	13140	12949
20°	12485	12694	12260
25°	12017	12153	11958
30°	11395	11752	12804
35°	10684	11976	14901
40°	9860	12979	17122
45°	8998	14732	18277
50°	8099	16303	16872
55°	7254	16298	12767
60°	6395	13804	7713
65°	5486	9546	4599
70°	4457	6183	3250
75°	3391	4443	2918
80°	2434	3920	3118
85°	1652	4344	4393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.6	3.2
10°-20°	2289.7	9.0
20°-30°	3350.5	13.2
30°-40°	4351.4	17.2
40°-50°	5313.6	21.0
50°-60°	4679.4	18.5
60°-70°	2438.5	9.6
70°-80°	1045.7	4.1
80°-90°	502.2	2.0
90°-100°	235.9	0.9
100°-110°	146.7	0.6
110°-120°	86.7	0.3
120°-130°	47.1	0.2
130°-140°	23.7	0.1
140°-150°	11.4	0.0
150°-160°	4.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6448.8	25.5
0°-40°	10800.2	42.6
0°-60°	20793.2	82.1
0°-90°	24779.6	97.8
90°-120°	469.3	1.9
90°-150°	551.5	2.2
90°-180°	555.0	2.2
0°-180°	25335.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8461	8461	8461	8461	8461	
5°	8383	8447	8492	8567	8558	795
15°	7932	8155	8233	8171	8105	2233
25°	7028	7404	7278	7142	7149	3225
35°	5705	6307	6623	7724	8219	3556
45°	4201	5285	7224	8746	8929	3239
55°	2797	4630	6727	5898	5243	2510
65°	1605	3208	3080	1712	1473	1588
75°	646	1501	989	677	643	705
85°	137	535	504	493	498	153
90°	2	194	332	380	389	9
95°	4	113	265	310	320	3
105°	7	64	172	206	210	8
115°	11	36	106	130	133	11
125°	13	18	62	80	82	11
135°	11	11	29	49	51	9
145°	15	11	13	24	27	9
155°	15	15	11	11	11	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-24HE-W-UNV-L750-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8461.4	8461.4	8461.4	8461.4	8461.4
2.5°	8424.9	8461.4	8463.3	8514.4	8508.9
5°	8382.9	8446.8	8492.5	8567.3	8558.2
7.5°	8313.6	8414.0	8494.3	8576.4	8569.1
10°	8215.0	8351.9	8457.8	8525.3	8503.4
12.5°	8087.2	8267.9	8372.0	8386.6	8344.6
15°	7932.0	8154.7	8233.2	8171.2	8105.4
17.5°	7756.8	8017.8	8045.2	7910.1	7828.0
20°	7537.7	7835.3	7807.9	7621.7	7530.4
22.5°	7294.9	7634.5	7546.8	7351.5	7263.9
25°	7028.4	7404.4	7278.5	7141.6	7148.9
27.5°	6716.2	7143.4	7021.1	7083.1	7200.0
30°	6398.6	6869.5	6794.7	7156.2	7386.2
32.5°	6049.9	6588.4	6656.0	7369.7	7745.8
35°	5704.8	6307.3	6623.1	7723.9	8218.6
37.5°	5323.3	6022.5	6676.0	8132.8	8651.3
40°	4952.7	5745.0	6796.5	8499.8	8937.9
42.5°	4574.8	5496.7	6999.2	8717.0	9058.4
45°	4200.6	5285.0	7223.7	8746.2	8928.8
47.5°	3826.4	5106.1	7378.9	8514.4	8430.4
50°	3464.9	4947.2	7389.8	7957.6	7614.4
52.5°	3127.2	4801.2	7189.0	7070.4	6537.3
55°	2796.7	4629.6	6727.2	5898.4	5243.0
57.5°	2495.5	4392.3	6015.2	4638.7	3923.1
60°	2176.1	4071.0	5095.1	3393.7	2829.6
62.5°	1882.1	3671.2	4063.7	2362.3	2033.7
65°	1604.7	3207.5	3079.7	1712.4	1473.2
67.5°	1310.7	2727.4	2272.8	1248.7	1095.3
70°	1080.7	2281.9	1692.3	971.2	881.7
72.5°	845.2	1858.4	1265.1	788.6	739.3
75°	646.2	1500.6	989.4	677.3	642.6
77.5°	476.5	1186.6	795.9	598.8	565.9
80°	334.1	934.7	666.3	534.9	522.1
82.5°	224.5	722.9	567.7	509.3	511.2
85°	136.9	534.9	503.9	492.9	498.4
87.5°	65.7	379.7	432.7	449.1	454.6
90°	1.8	193.5	332.3	379.7	388.8
92.5°	0.0	147.9	292.1	339.6	348.7
95°	3.7	113.2	264.7	310.3	319.5
97.5°	3.7	93.1	237.3	284.8	290.3
100°	5.5	80.3	211.8	257.4	262.9
102.5°	5.5	71.2	189.9	230.0	233.7
105°	7.3	63.9	171.6	206.3	209.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.0	43.8	120.5	146.0	149.7
115°	11.0	36.5	105.9	129.6	133.3
117.5°	12.8	32.9	93.1	115.0	116.8
120°	12.8	27.4	80.3	102.2	104.1
122.5°	12.8	21.9	71.2	91.3	93.1
125°	12.8	18.3	62.1	80.3	82.1
127.5°	11.0	12.8	52.9	71.2	73.0
130°	11.0	11.0	43.8	62.1	65.7
132.5°	11.0	11.0	36.5	54.8	58.4
135°	11.0	11.0	29.2	49.3	51.1
137.5°	11.0	11.0	23.7	42.0	45.6
140°	11.0	11.0	18.3	36.5	38.3
142.5°	12.8	11.0	16.4	31.0	32.9
145°	14.6	11.0	12.8	23.7	27.4
147.5°	14.6	12.8	12.8	20.1	21.9
150°	14.6	14.6	11.0	14.6	18.3
152.5°	14.6	14.6	11.0	11.0	14.6
155°	14.6	14.6	11.0	11.0	11.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	9.1	56.6	153.3	184.4	188.0
110°	9.1	49.3	135.1	164.3	168.0



(END OF REPORT)