

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: P830207

Luminaire Tested: **OHBL-30HE-N-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-N-UNV-L930-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

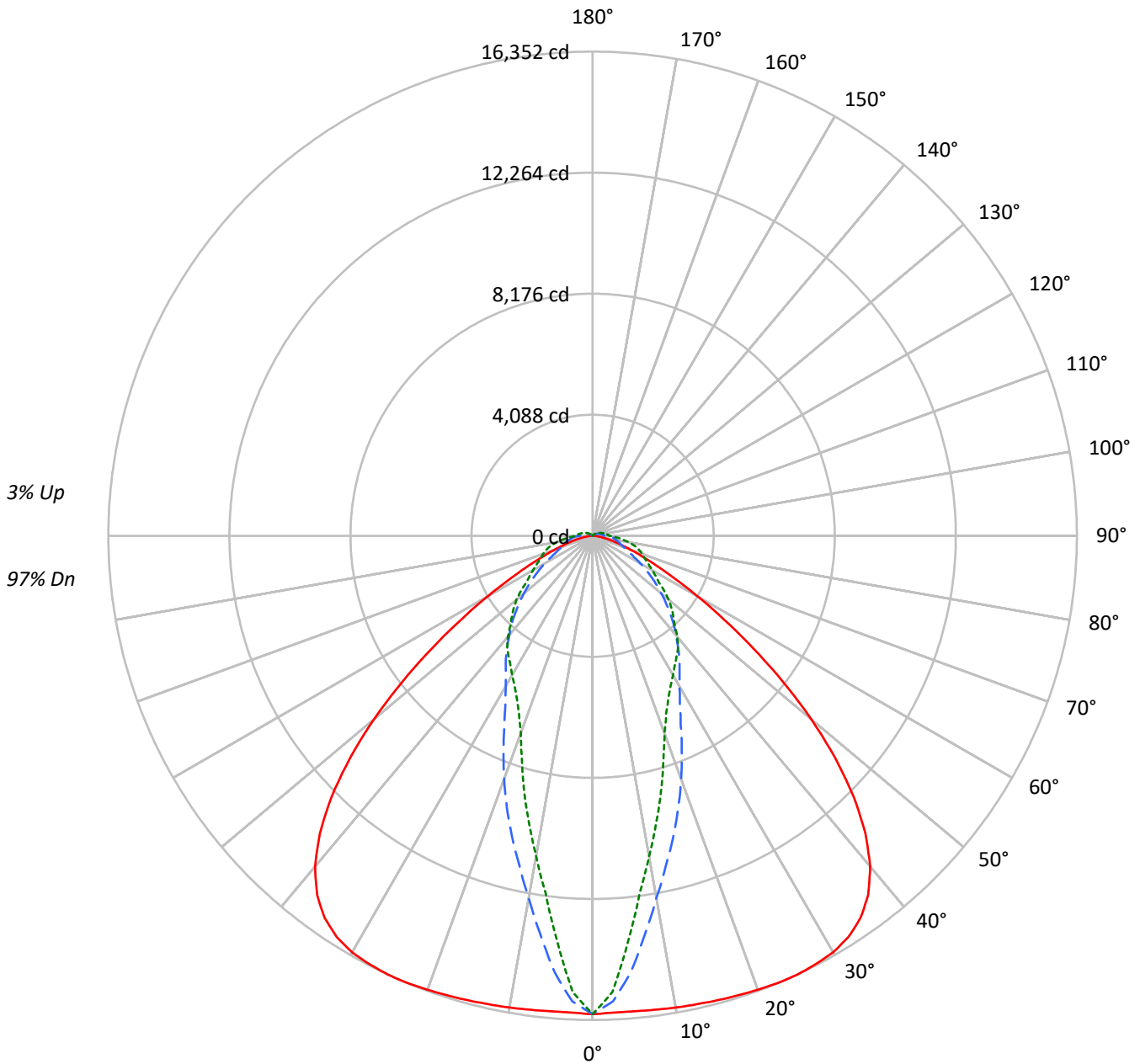
Lumens per Lamp: N/A
Luminaire Lumens: 23841.0 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25546	25546	25546
5°	25494	23275	21644
10°	25782	19614	17366
15°	26286	16783	14263
20°	27024	14197	11544
25°	27959	11757	10122
30°	28925	10134	9410
35°	29527	9241	8973
40°	29022	8352	8520
45°	26699	7553	7896
50°	22526	6679	7420
55°	17116	5855	6612
60°	11995	5028	6340
65°	8068	4336	6221
70°	5510	4078	6545
75°	3824	4218	7023
80°	2632	4694	7280
85°	1540	5924	7738



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1359.8	5.7
10°-20°	3198.8	13.4
20°-30°	4009.7	16.8
30°-40°	4254.7	17.8
40°-50°	3847.0	16.1
50°-60°	2789.3	11.7
60°-70°	1750.4	7.3
70°-80°	1158.4	4.9
80°-90°	667.3	2.8
90°-100°	323.3	1.4
100°-110°	223.1	0.9
110°-120°	137.7	0.6
120°-130°	66.7	0.3
130°-140°	30.7	0.1
140°-150°	16.8	0.1
150°-160°	7.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8568.3	35.9
0°-40°	12823.0	53.8
0°-60°	19459.3	81.6
0°-90°	23035.4	96.6
90°-120°	684.2	2.9
90°-150°	798.3	3.3
90°-180°	806.0	3.4
0°-180°	23841.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16154	16154	16154	16154	16154	
5°	16121	15708	14785	14100	13744	###
15°	16244	13240	10516	9352	8928	4607
25°	16352	10238	7041	6250	6051	7554
35°	15766	6806	5110	4950	4949	9801
45°	12464	4311	3704	3793	3857	9495
55°	6599	2672	2417	2621	2715	5962
65°	2360	1550	1399	1793	1992	2456
75°	729	835	939	1459	1547	812
85°	128	346	687	956	878	153
90°	0	144	398	561	566	8
95°	6	102	350	477	498	5
105°	12	68	255	338	348	12
115°	17	48	172	215	220	17
125°	18	25	88	111	109	16
135°	15	18	38	60	60	12
145°	18	20	23	35	34	11
155°	18	23	25	26	23	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16153.5	16153.5	16153.5	16153.5	16153.5
2.5°	16119.7	16027.5	15740.0	15564.7	15417.1
5°	16121.3	15707.7	14785.3	14099.6	13744.4
7.5°	16144.3	15225.0	13563.0	12562.2	12171.7
10°	16179.7	14626.9	12422.3	11355.3	10990.9
12.5°	16205.8	13953.5	11418.3	10322.2	9922.4
15°	16244.3	13240.2	10515.9	9352.1	8927.7
17.5°	16279.6	12568.3	9624.2	8408.1	7936.1
20°	16315.0	11844.2	8732.5	7479.5	7090.5
22.5°	16348.8	11080.1	7862.3	6758.4	6492.5
25°	16351.9	10237.6	7041.3	6249.6	6051.2
27.5°	16311.9	9364.4	6375.6	5823.7	5700.7
30°	16242.7	8517.2	5859.1	5516.2	5428.6
32.5°	16070.5	7653.2	5459.3	5219.5	5168.8
35°	15766.1	6806.1	5110.3	4950.5	4948.9
37.5°	15286.5	6054.3	4732.1	4704.5	4738.3
40°	14577.7	5396.3	4373.9	4447.7	4447.7
42.5°	13632.2	4824.4	4049.5	4124.9	4104.9
45°	12463.8	4310.9	3703.6	3792.8	3857.4
47.5°	11109.3	3858.9	3350.0	3522.2	3611.4
50°	9636.5	3428.4	3027.2	3247.0	3348.5
52.5°	8092.9	3030.2	2712.0	2964.1	3045.6
55°	6598.6	2672.0	2416.8	2621.3	2715.1
57.5°	5245.6	2330.7	2127.8	2321.5	2515.2
60°	4081.8	2037.1	1855.7	2132.4	2326.1
62.5°	3117.9	1775.7	1600.4	1955.6	2149.3
65°	2359.9	1549.7	1399.0	1792.6	1992.5
67.5°	1778.8	1354.5	1242.2	1674.2	1869.5
70°	1336.0	1165.4	1116.2	1600.4	1775.7
72.5°	987.0	991.6	1016.2	1535.9	1669.6
75°	728.7	834.8	939.4	1459.0	1546.6
77.5°	521.2	691.8	870.2	1366.8	1397.5
80°	361.3	564.2	797.9	1245.3	1219.2
82.5°	226.0	452.0	733.3	1111.5	1039.3
85°	127.6	345.9	687.2	956.3	877.9
87.5°	56.9	258.3	601.1	745.6	696.4
90°	0.0	144.5	398.2	561.2	565.8
92.5°	3.1	119.9	367.4	513.5	528.9
95°	6.1	101.5	350.5	476.6	498.1
97.5°	7.7	89.2	329.0	442.8	461.2
100°	9.2	79.9	302.9	407.4	422.8
102.5°	10.8	73.8	278.3	370.5	382.8
105°	12.3	67.6	255.2	338.2	347.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.4	52.3	192.2	242.9	250.6
115°	16.9	47.7	172.2	215.2	219.8
117.5°	18.4	41.5	150.7	189.1	190.6
120°	18.4	36.9	129.1	161.4	161.4
122.5°	18.4	30.7	107.6	133.8	132.2
125°	18.4	24.6	87.6	110.7	109.2
127.5°	16.9	20.0	70.7	92.2	90.7
130°	16.9	20.0	56.9	78.4	78.4
132.5°	15.4	18.4	46.1	67.6	67.6
135°	15.4	18.4	38.4	60.0	60.0
137.5°	15.4	20.0	32.3	52.3	52.3
140°	15.4	18.4	27.7	46.1	46.1
142.5°	16.9	18.4	24.6	40.0	40.0
145°	18.4	20.0	23.1	35.4	33.8
147.5°	18.4	21.5	23.1	30.7	29.2
150°	18.4	23.1	23.1	27.7	26.1
152.5°	18.4	23.1	23.1	26.1	24.6
155°	18.4	23.1	24.6	26.1	23.1
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°	12.3	63.0	233.7	302.9	313.6
110°	13.8	56.9	213.7	270.6	281.3



(END OF REPORT)