

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: P830214

Luminaire Tested: **OHBL-30HE-NL-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-NL-UNV-L750-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

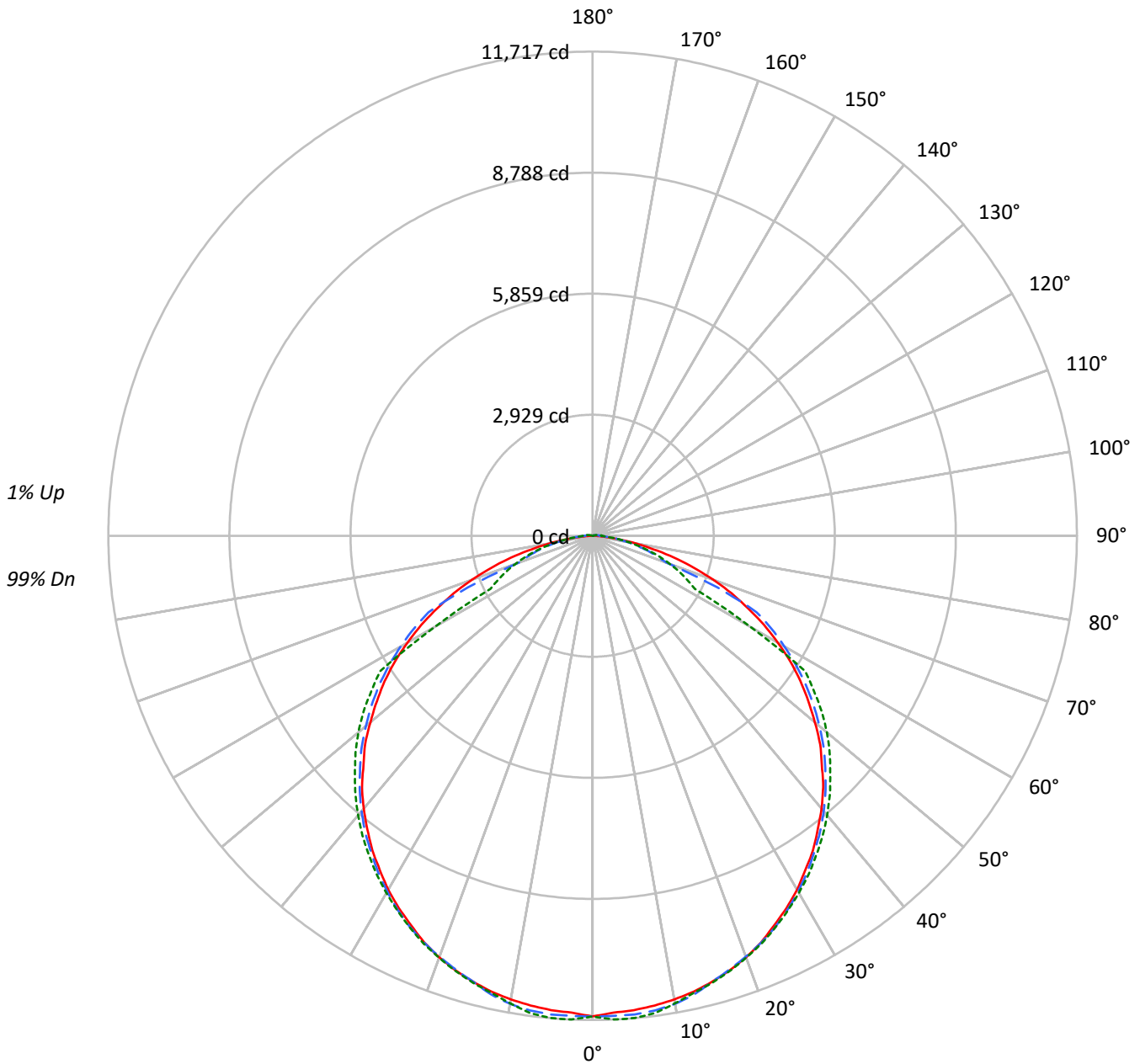
Lumens per Lamp: N/A
Luminaire Lumens: 32656.0 lumens
Efficiency: N/A
Efficacy: 199.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 163.8
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				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	111	111	111	106	106	106	102	102	102	99				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18394	18394	18394
5°	18293	18458	18597
10°	18298	18472	18449
15°	18295	18292	18332
20°	18270	18242	18287
25°	18145	18237	18252
30°	18061	18154	18225
35°	17944	18042	18212
40°	17789	17958	18223
45°	17532	17797	18185
50°	17268	17620	18202
55°	16938	17377	18002
60°	16370	16952	14015
65°	15489	16389	9432
70°	14325	8700	9154
75°	12496	8268	8741
80°	9609	7585	8012
85°	4850	7665	7850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1105.0	3.4
10°-20°	3163.9	9.7
20°-30°	4814.2	14.7
30°-40°	5853.4	17.9
40°-50°	6154.6	18.8
50°-60°	5619.9	17.2
60°-70°	3602.6	11.0
70°-80°	1701.8	5.2
80°-90°	471.9	1.4
90°-100°	125.0	0.4
100°-110°	34.2	0.1
110°-120°	9.5	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°	9083.2	27.8
0°-40°	14936.6	45.7
0°-60°	26711.0	81.8
0°-90°	32487.3	99.5
90°-120°	168.7	0.5
90°-150°	168.7	0.5
90°-180°	169.0	0.5
0°-180°	32656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11631	11631	11631	11631	11631	
5°	11523	11568	11627	11690	11715	###
15°	11174	11258	11172	11188	11196	3155
25°	10398	10415	10451	10468	10460	4798
35°	9294	9239	9345	9460	9433	5808
45°	7839	7825	7958	8145	8131	6059
55°	6143	6096	6302	6513	6529	5479
65°	4139	4139	4380	2512	2520	4103
75°	2045	2084	1353	1425	1431	2156
85°	267	339	422	457	433	395
90°	0	114	188	222	218	12
95°	6	59	135	182	182	3
105°	10	22	33	33	31	10
115°	10	14	20	14	2	7
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11631.2	11631.2	11631.2	11631.2	<i>11631.2</i>
2.5°	<i>11549.5</i>	<i>11588.4</i>	<i>11631.2</i>	<i>11686.3</i>	<i>11716.8</i>
5°	11523.0	11567.9	11627.1	11690.4	<i>11714.8</i>
7.5°	11465.9	11529.0	11586.3	11631.2	<i>11645.5</i>
10°	11394.4	11470.0	11502.7	11498.6	<i>11488.4</i>
12.5°	11298.5	11378.2	11368.0	11320.9	<i>11329.2</i>
15°	11174.0	11257.6	11172.1	11188.3	<i>11196.5</i>
17.5°	11027.1	11108.8	11008.7	11041.3	<i>11043.5</i>
20°	10855.7	10916.9	10839.3	10865.9	<i>10865.9</i>
22.5°	10649.6	10692.4	10659.7	10678.1	<i>10682.2</i>
25°	10398.5	10414.7	10451.4	10467.9	<i>10459.7</i>
27.5°	10157.8	10137.3	10208.8	10247.5	<i>10226.9</i>
30°	9890.3	9857.7	9941.3	10004.6	<i>9980.2</i>
32.5°	9584.1	9563.8	9659.7	9735.1	<i>9720.9</i>
35°	9294.4	9239.3	9345.3	9459.6	<i>9433.1</i>
37.5°	8951.4	8918.8	9039.2	9159.7	<i>9145.5</i>
40°	8616.7	8561.6	8698.4	8841.2	<i>8827.0</i>
42.5°	8257.6	8192.1	8341.2	8512.8	<i>8496.4</i>
45°	7839.1	7824.8	7957.5	8145.3	<i>8131.0</i>
47.5°	7467.8	7396.3	7581.9	7763.7	<i>7780.1</i>
50°	7018.6	6992.3	7161.7	7382.1	<i>7398.3</i>
52.5°	6580.0	6561.6	6739.0	6961.6	<i>6990.1</i>
55°	6143.1	6096.2	6302.3	6512.6	<i>6529.0</i>
57.5°	5675.9	5626.9	5837.1	6065.7	<i>6100.3</i>
60°	5175.7	5128.8	5359.4	5571.8	<i>4430.9</i>
62.5°	4675.7	4643.1	4884.0	3459.4	<i>2788.0</i>
65°	4139.0	4139.0	4379.7	2512.3	<i>2520.5</i>
67.5°	3637.0	3604.4	3265.6	2257.1	<i>2257.1</i>
70°	3098.1	3110.4	1881.6	1977.8	<i>1979.7</i>
72.5°	2557.3	2602.2	1624.7	1702.0	<i>1706.1</i>
75°	2045.0	2083.8	1353.1	1424.6	<i>1430.6</i>
77.5°	1502.2	1155.1	1087.7	1143.0	<i>1145.0</i>
80°	1055.1	728.6	832.8	885.7	<i>879.7</i>
82.5°	616.3	510.2	610.2	649.1	<i>646.9</i>
85°	267.3	338.8	422.4	457.2	<i>432.6</i>
87.5°	85.6	210.2	263.2	283.7	<i>281.5</i>
90°	0.0	114.3	187.8	222.3	<i>218.5</i>
92.5°	0.0	89.7	163.4	204.2	<i>206.1</i>
95°	6.1	59.2	134.8	181.7	<i>181.7</i>
97.5°	4.1	42.8	95.9	142.8	<i>146.9</i>
100°	4.1	34.6	63.3	102.0	<i>104.1</i>
102.5°	10.2	28.5	38.7	65.3	<i>67.4</i>
105°	10.2	22.5	32.6	32.6	<i>30.7</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.3	16.4	22.5	16.4	1.9
115°	10.2	14.3	20.3	14.3	1.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	10.2	20.3	28.5	18.4	6.1
110°	12.3	18.4	24.4	16.4	1.9



(END OF REPORT)