

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: P830364

Luminaire Tested: **OHBL-36HE-NL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830364
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-36HE-NL-UNV-L935-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

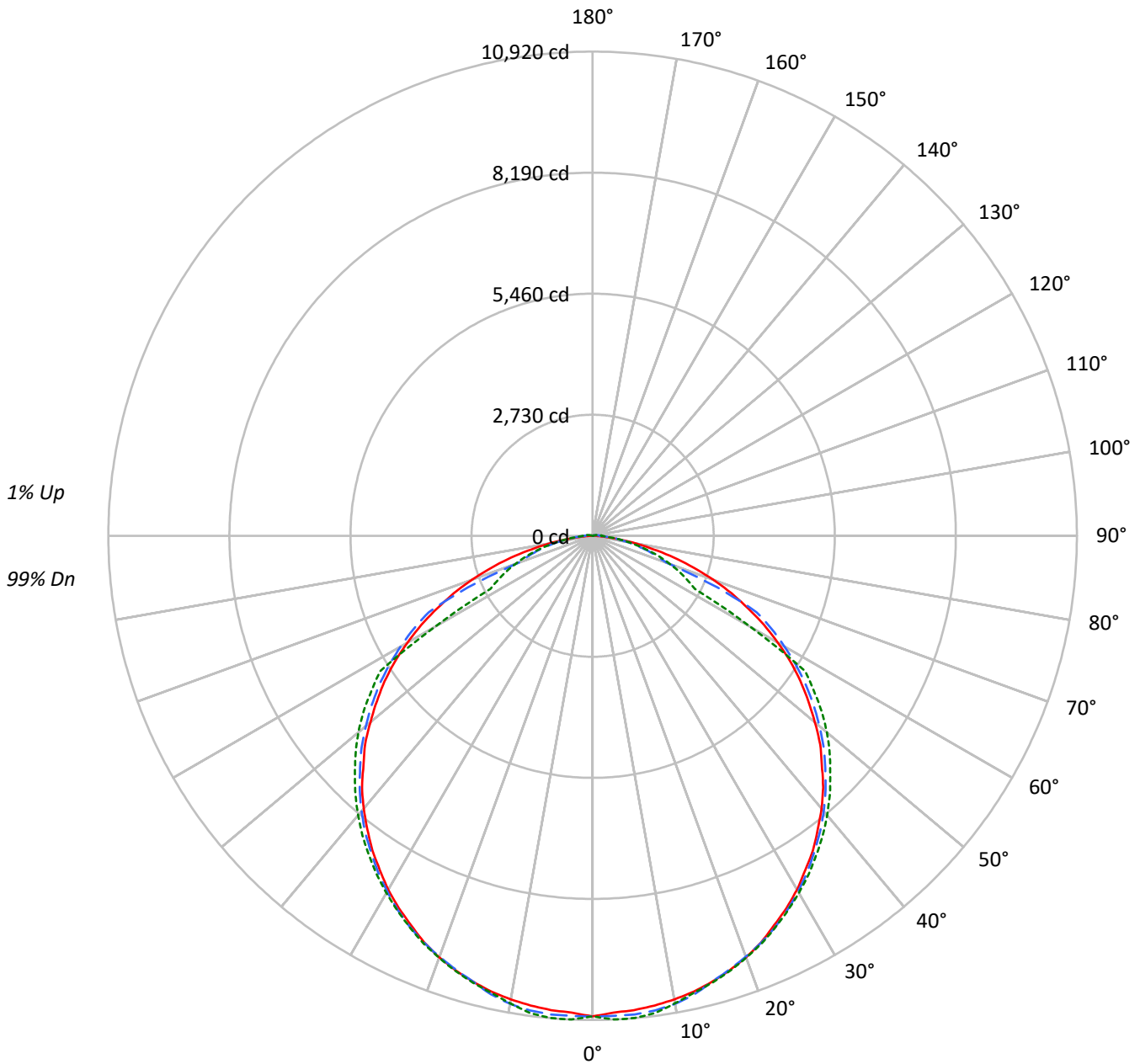
Lumens per Lamp: N/A
Luminaire Lumens: 30434.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 212
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									
RC	80									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															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17143	17143	17143
5°	17048	17202	17332
10°	17053	17215	17194
15°	17050	17047	17084
20°	17027	17001	17043
25°	16910	16996	17010
30°	16832	16919	16985
35°	16723	16815	16973
40°	16579	16736	16983
45°	16340	16586	16948
50°	16093	16421	16964
55°	15785	16195	16777
60°	15256	15798	13061
65°	14434	15274	8790
70°	13351	8109	8531
75°	11645	7705	8147
80°	8955	7068	7466
85°	4520	7144	7316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1029.8	3.4
10°-20°	2948.7	9.7
20°-30°	4486.6	14.7
30°-40°	5455.1	17.9
40°-50°	5735.8	18.8
50°-60°	5237.5	17.2
60°-70°	3357.5	11.0
70°-80°	1586.0	5.2
80°-90°	439.8	1.4
90°-100°	116.5	0.4
100°-110°	31.9	0.1
110°-120°	8.8	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°	8465.1	27.8
0°-40°	13920.2	45.7
0°-60°	24893.5	81.8
0°-90°	30276.8	99.5
90°-120°	157.2	0.5
90°-150°	157.2	0.5
90°-180°	157.0	0.5
0°-180°	30434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10840	10840	10840	10840	10840	
5°	10739	10781	10836	10895	10918	###
15°	10414	10492	10412	10427	10435	2940
25°	9691	9706	9740	9756	9748	4472
35°	8662	8611	8710	8816	8791	5413
45°	7306	7292	7416	7591	7578	5647
55°	5725	5681	5874	6069	6085	5106
65°	3857	3857	4082	2341	2349	3824
75°	1906	1942	1261	1328	1333	2009
85°	249	316	394	426	403	368
90°	0	106	175	207	204	11
95°	6	55	126	169	169	3
105°	10	21	30	30	29	10
115°	10	13	19	13	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10839.8	10839.8	10839.8	10839.8	10839.8
2.5°	10763.7	10799.9	10839.8	10891.2	10919.6
5°	10738.9	10780.8	10836.0	10895.0	10917.7
7.5°	10685.8	10744.6	10797.9	10839.8	10853.1
10°	10619.1	10689.6	10720.0	10716.2	10706.7
12.5°	10529.7	10604.0	10594.5	10550.6	10558.3
15°	10413.7	10491.6	10411.9	10427.0	10434.6
17.5°	10276.8	10352.9	10259.6	10290.1	10292.1
20°	10117.1	10174.1	10101.8	10126.5	10126.5
22.5°	9925.0	9964.8	9934.4	9951.5	9955.4
25°	9691.0	9706.1	9740.3	9755.6	9748.0
27.5°	9466.6	9447.5	9514.2	9550.2	9531.1
30°	9217.3	9186.9	9264.9	9323.9	9301.1
32.5°	8932.0	8913.1	9002.5	9072.7	9059.5
35°	8661.9	8610.6	8709.5	8816.0	8791.2
37.5°	8342.4	8311.9	8424.1	8536.5	8523.2
40°	8030.4	7979.1	8106.5	8239.7	8226.4
42.5°	7695.7	7634.7	7773.7	7933.6	7918.3
45°	7305.7	7292.4	7416.0	7591.0	7577.7
47.5°	6959.7	6893.1	7066.0	7235.4	7250.7
50°	6541.1	6516.5	6674.4	6879.8	6894.9
52.5°	6132.3	6115.2	6280.5	6487.9	6514.5
55°	5725.1	5681.4	5873.5	6069.4	6084.7
57.5°	5289.7	5244.0	5439.9	5653.0	5685.2
60°	4823.5	4779.8	4994.7	5192.7	4129.4
62.5°	4357.6	4327.1	4551.7	3224.0	2598.3
65°	3857.3	3857.3	4081.7	2341.4	2349.0
67.5°	3389.5	3359.1	3043.4	2103.6	2103.6
70°	2887.3	2898.8	1753.6	1843.2	1845.0
72.5°	2383.3	2425.2	1514.1	1586.2	1590.1
75°	1905.8	1942.1	1261.0	1327.7	1333.3
77.5°	1400.0	1076.6	1013.7	1065.3	1067.1
80°	983.3	679.0	776.1	825.4	819.8
82.5°	574.3	475.4	568.7	604.9	602.9
85°	249.1	315.8	393.7	426.1	403.2
87.5°	79.7	195.9	245.3	264.4	262.4
90°	0.0	106.5	175.0	207.2	203.6
92.5°	0.0	83.6	152.2	190.3	192.1
95°	5.6	55.2	125.7	169.4	169.4
97.5°	3.8	39.9	89.4	133.1	136.9
100°	3.8	32.2	59.0	95.0	97.1
102.5°	9.5	26.6	36.0	60.8	62.8
105°	9.5	20.9	30.4	30.4	28.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.5	15.3	20.9	15.3	1.8
115°	9.5	13.3	18.9	13.3	1.8
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°	9.5	18.9	26.6	17.1	5.6
110°	11.5	17.1	22.8	15.3	1.8



(END OF REPORT)