

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: P829309

Luminaire Tested: **OHB-30HE-A-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-30HE-A-UNV-L940-CD
Description: 30000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

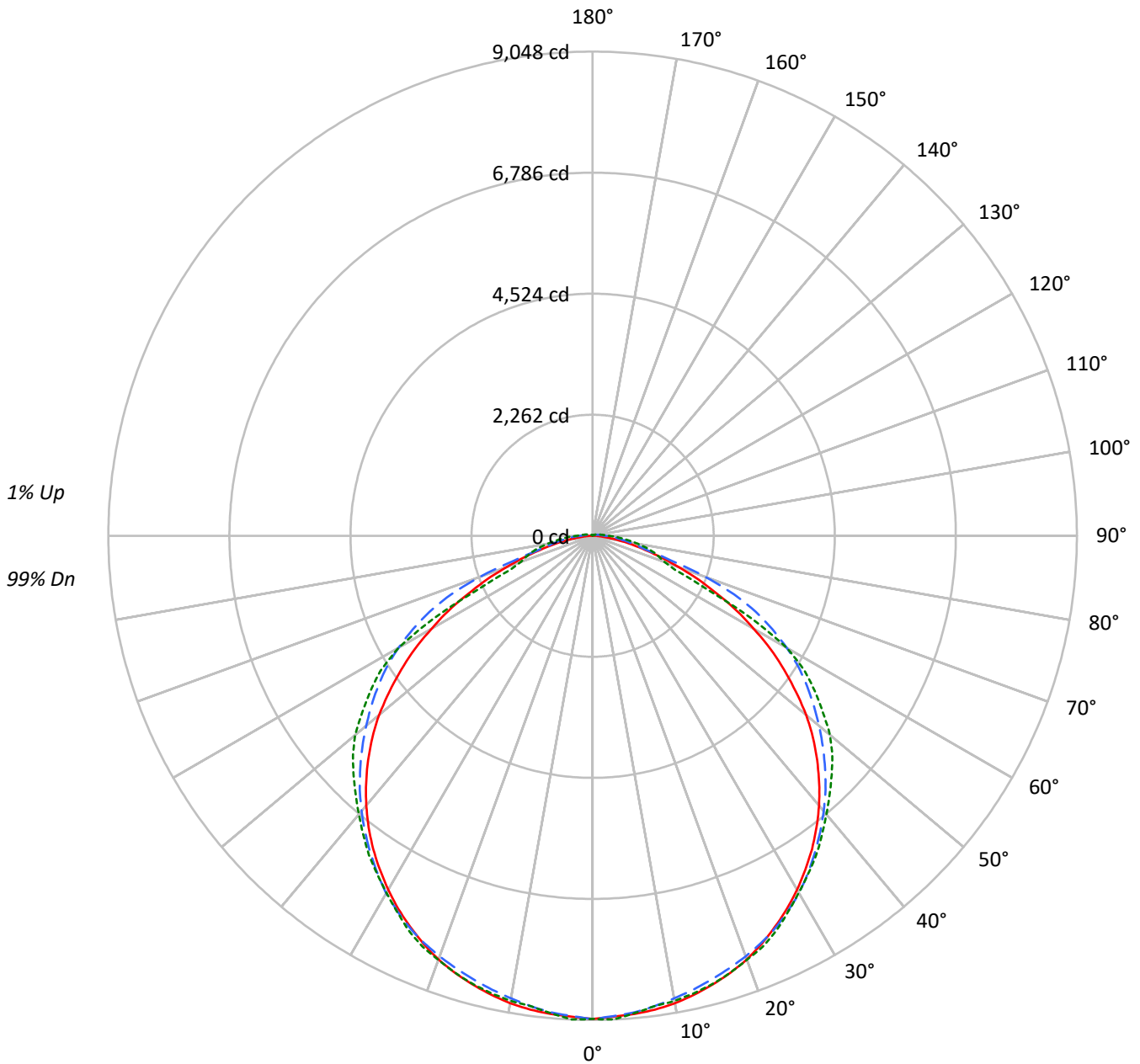
Lumens per Lamp: N/A
Luminaire Lumens: 25522.1 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 169
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									
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	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27930	27930	27930
5°	27645	27453	27582
10°	27443	26968	27275
15°	27167	26588	27093
20°	26888	26323	26853
25°	26456	26054	26615
30°	25990	25671	26112
35°	25450	25104	25834
40°	24777	24516	25456
45°	23886	23845	25289
50°	22720	23084	25088
55°	20957	22322	24152
60°	18700	21248	22328
65°	15822	19364	14151
70°	12506	14950	10259
75°	9113	8734	10413
80°	6045	7083	9942
85°	3103	6195	9318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.4	3.3
10°-20°	2441.5	9.6
20°-30°	3728.9	14.6
30°-40°	4524.4	17.7
40°-50°	4742.0	18.6
50°-60°	4297.0	16.8
60°-70°	2881.0	11.3
70°-80°	1293.7	5.1
80°-90°	469.5	1.8
90°-100°	141.3	0.6
100°-110°	66.7	0.3
110°-120°	33.4	0.1
120°-130°	18.4	0.1
130°-140°	12.7	0.0
140°-150°	8.5	0.0
150°-160°	6.4	0.0
160°-170°	4.1	0.0
170°-180°	1.3	0.0
0°-30°	7021.8	27.5
0°-40°	11546.2	45.2
0°-60°	20585.2	80.7
0°-90°	25229.3	98.9
90°-120°	241.4	0.9
90°-150°	281.1	1.1
90°-180°	293.0	1.1
0°-180°	25522.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9030	9030	9030	9030	9030	
5°	8971	9002	8940	8967	8955	853
15°	8680	8646	8584	8660	8671	2451
25°	8064	8028	8084	8159	8135	3717
35°	7147	7164	7237	7314	7285	4467
45°	5932	6028	6140	6297	6317	4569
55°	4365	4575	4887	5083	5071	3896
65°	2562	2962	3363	2838	2318	2552
75°	1008	1462	1076	1101	1172	1102
85°	174	333	427	516	540	212
90°	1	111	221	277	290	10
95°	1	69	152	184	189	2
105°	5	30	74	90	94	6
115°	10	16	38	48	51	10
125°	9	10	24	27	29	9
135°	12	13	14	21	22	9
145°	12	13	13	14	16	8
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	12	12	1
180°	13	13	13	13	13	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9029.7	9029.7	9029.7	9029.7	9029.7
2.5°	8993.1	9031.0	8984.0	9034.9	9048.0
5°	8971.0	9002.3	8939.6	8967.0	8955.3
7.5°	8930.5	8940.9	8866.5	8888.7	8865.2
10°	8870.4	8865.2	8777.7	8820.8	8826.0
12.5°	8781.6	8766.0	8687.6	8752.9	8754.2
15°	8679.8	8645.9	8584.5	8660.2	8670.7
17.5°	8562.3	8517.9	8477.4	8575.3	8559.7
20°	8425.2	8373.0	8365.1	8472.2	8433.0
22.5°	8255.5	8215.0	8233.3	8335.1	8310.3
25°	8063.5	8028.3	8084.4	8158.9	8135.4
27.5°	7861.2	7840.3	7904.3	7961.7	7916.0
30°	7639.2	7627.5	7712.3	7759.3	7701.9
32.5°	7397.7	7401.6	7482.5	7546.5	7493.0
35°	7147.0	7164.0	7237.1	7314.1	7285.4
37.5°	6871.5	6909.4	6982.5	7070.0	7039.9
40°	6580.4	6635.2	6716.1	6821.9	6794.5
42.5°	6265.7	6334.9	6439.3	6556.9	6554.2
45°	5931.5	6028.1	6140.4	6297.0	6316.6
47.5°	5584.2	5692.5	5834.8	6043.7	6073.8
50°	5206.8	5342.6	5520.2	5770.9	5789.1
52.5°	4786.4	4971.8	5206.8	5447.1	5424.9
55°	4364.7	4574.9	4887.0	5082.8	5071.0
57.5°	3944.3	4180.6	4559.2	4698.9	4697.6
60°	3474.3	3773.3	4187.1	4292.9	4188.4
62.5°	3039.5	3360.7	3790.2	3713.2	3355.5
65°	2561.6	2962.5	3363.3	2838.4	2317.5
67.5°	2137.3	2555.1	2856.7	1944.1	1664.7
70°	1710.4	2171.3	2227.4	1442.7	1423.1
72.5°	1331.7	1822.7	1536.7	1235.1	1297.8
75°	1007.9	1462.3	1075.8	1100.6	1172.5
77.5°	735.1	1122.8	836.9	964.9	1023.6
80°	505.3	795.1	682.8	810.8	851.3
82.5°	317.3	524.9	547.1	652.8	694.6
85°	173.6	332.9	426.9	515.7	540.5
87.5°	71.8	201.1	326.4	398.2	419.1
90°	1.3	111.0	220.7	276.8	289.8
92.5°	1.3	84.9	180.2	223.3	232.4
95°	1.3	69.2	151.5	184.1	189.3
97.5°	2.6	54.8	126.6	152.8	158.0
100°	3.9	45.7	105.8	128.0	131.9
102.5°	5.2	36.6	88.8	107.1	111.0
105°	5.2	30.0	74.4	90.1	94.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.1	18.3	44.4	56.1	58.8
115°	10.4	15.7	37.9	48.3	50.9
117.5°	10.4	13.1	32.6	40.5	43.1
120°	10.4	11.8	28.7	35.3	36.6
122.5°	10.4	10.4	24.8	31.3	32.6
125°	9.1	10.4	23.5	27.4	28.7
127.5°	10.4	10.4	20.9	24.8	26.1
130°	10.4	11.8	18.3	23.5	23.5
132.5°	11.8	13.1	17.0	22.2	22.2
135°	11.8	13.1	14.4	20.9	22.2
137.5°	13.1	13.1	13.1	19.6	20.9
140°	13.1	13.1	11.8	17.0	18.3
142.5°	11.8	13.1	11.8	15.7	17.0
145°	11.8	13.1	13.1	14.4	15.7
147.5°	13.1	13.1	13.1	13.1	14.4
150°	13.1	13.1	13.1	13.1	13.1
152.5°	13.1	13.1	13.1	13.1	13.1
155°	13.1	14.4	14.4	14.4	13.1
157.5°	13.1	14.4	14.4	14.4	14.4
160°	13.1	14.4	14.4	14.4	14.4
162.5°	14.4	14.4	14.4	14.4	14.4
165°	14.4	14.4	14.4	14.4	14.4
167.5°	14.4	15.7	14.4	14.4	14.4
170°	14.4	14.4	14.4	13.1	13.1
172.5°	14.4	14.4	14.4	13.1	13.1
175°	14.4	14.4	13.1	11.8	11.8
177.5°	15.7	14.4	13.1	11.8	10.4
180°	13.1	13.1	13.1	13.1	13.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.5	24.8	64.0	77.0	79.6
110°	7.8	20.9	53.5	65.3	67.9



(END OF REPORT)