

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: P829323

Luminaire Tested: **OHB-30HE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-30HE-MFL-UNV-L730-CD
Description: 30000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

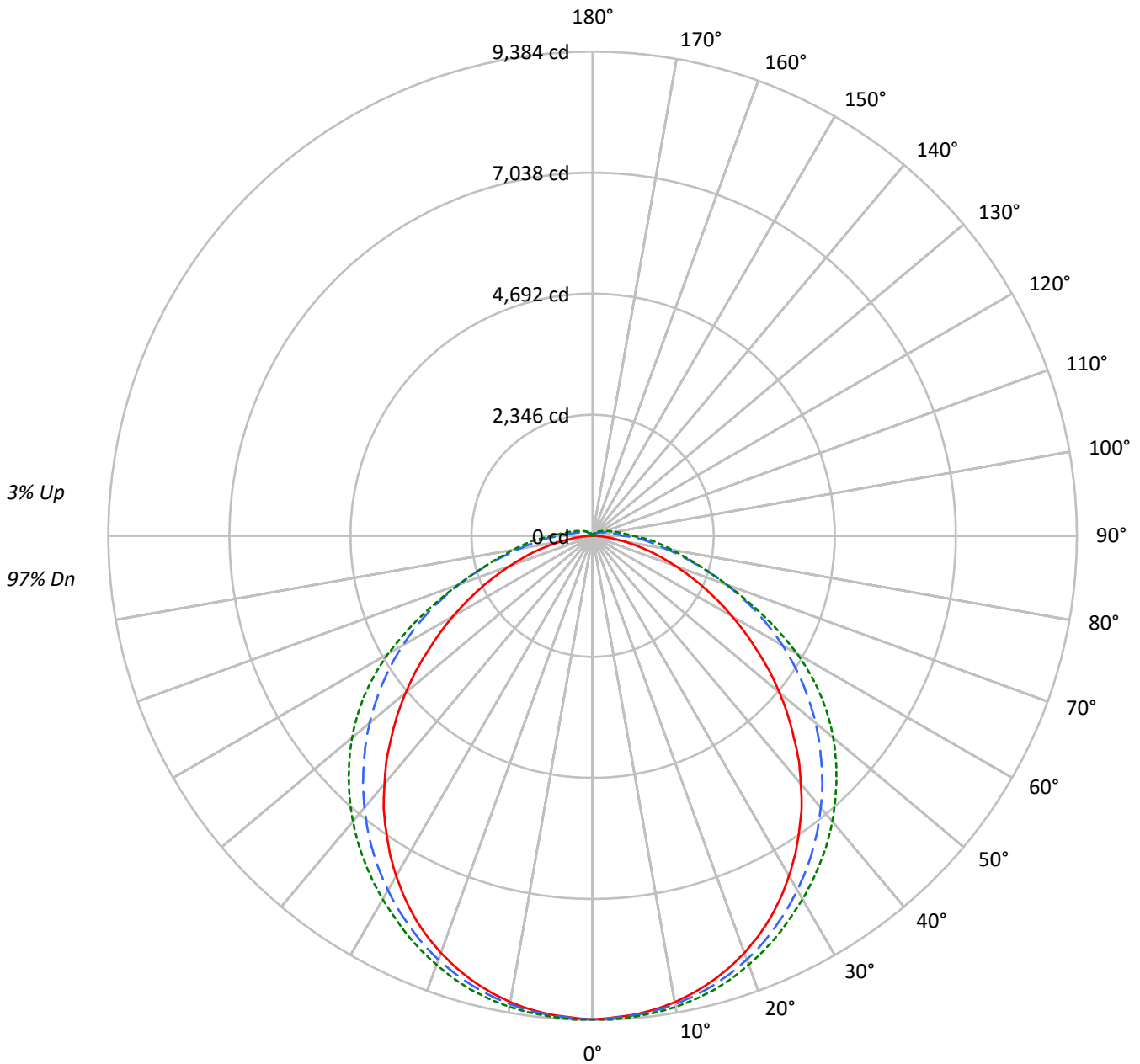
Lumens per Lamp: N/A
Luminaire Lumens: 28056.0 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97																
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80																
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66																
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56																
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47																
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41																
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36																
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32																
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28																
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25																
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28996	28996	28996
5°	28705	28647	28809
10°	28399	28322	28658
15°	27976	27948	28460
20°	27450	27506	28170
25°	26782	26973	27877
30°	25899	26400	27582
35°	24853	25793	27327
40°	23618	25100	27077
45°	22183	24349	26756
50°	20623	23582	26368
55°	18738	22657	25711
60°	16806	21574	24401
65°	14710	20210	22246
70°	12447	18493	19914
75°	10143	16504	18338
80°	7328	14898	18193
85°	4182	14784	20331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.3	3.2
10°-20°	2548.3	9.1
20°-30°	3853.9	13.7
30°-40°	4626.6	16.5
40°-50°	4778.6	17.0
50°-60°	4299.2	15.3
60°-70°	3238.5	11.5
70°-80°	1955.5	7.0
80°-90°	956.4	3.4
90°-100°	402.6	1.4
100°-110°	229.8	0.8
110°-120°	134.9	0.5
120°-130°	76.3	0.3
130°-140°	40.2	0.1
140°-150°	19.5	0.1
150°-160°	7.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7290.5	26.0
0°-40°	11917.2	42.5
0°-60°	20995.0	74.8
0°-90°	27145.5	96.8
90°-120°	767.3	2.7
90°-150°	903.3	3.2
90°-180°	911.0	3.2
0°-180°	28056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9374	9374	9374	9374	9374	
5°	9315	9340	9328	9365	9354	885
15°	8938	8982	9023	9099	9108	2520
25°	8163	8252	8370	8500	8521	3755
35°	6979	7142	7436	7661	7706	4363
45°	5509	5786	6270	6612	6683	4253
55°	3903	4306	4960	5334	5398	3499
65°	2382	2868	3510	3685	3643	2366
75°	1122	1611	2033	2086	2065	1197
85°	234	617	1019	1159	1179	270
90°	0	241	583	734	764	15
95°	12	163	436	555	576	10
105°	16	94	252	330	344	16
115°	18	53	156	209	218	19
125°	18	25	94	135	142	17
135°	16	21	48	83	92	13
145°	23	21	23	41	48	14
155°	23	25	23	21	23	7
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°	9374.4	9374.4	9374.4	9374.4	9374.4
2.5°	9346.9	9369.8	9356.0	9385.9	9383.6
5°	9314.8	9340.0	9328.5	9365.2	9353.8
7.5°	9259.7	9287.2	9284.9	9326.2	9321.6
10°	9179.4	9209.2	9218.4	9273.5	9273.5
12.5°	9069.3	9108.3	9131.2	9197.7	9200.0
15°	8938.5	8982.1	9023.4	9099.1	9108.3
17.5°	8780.2	8835.2	8892.6	8979.8	8991.3
20°	8601.2	8663.2	8741.2	8833.0	8846.7
22.5°	8394.7	8468.2	8569.1	8676.9	8693.0
25°	8163.0	8252.5	8369.5	8500.3	8520.9
27.5°	7899.2	8002.4	8160.7	8307.6	8325.9
30°	7612.4	7734.0	7931.3	8105.7	8135.5
32.5°	7309.6	7449.5	7692.7	7887.7	7929.0
35°	6979.2	7142.1	7435.7	7660.6	7706.5
37.5°	6653.4	6832.3	7165.0	7422.0	7477.0
40°	6272.5	6495.1	6875.9	7160.4	7227.0
42.5°	5914.6	6155.5	6586.9	6896.6	6960.8
45°	5508.6	5786.2	6270.3	6612.1	6683.2
47.5°	5127.7	5428.3	5965.1	6318.4	6391.8
50°	4726.2	5056.6	5639.3	6008.7	6084.4
52.5°	4324.7	4680.3	5302.1	5685.2	5756.3
55°	3902.6	4306.4	4960.2	5334.2	5398.4
57.5°	3510.2	3937.0	4609.2	4964.8	5003.8
60°	3122.5	3565.3	4251.3	4563.3	4577.1
62.5°	2744.0	3209.7	3884.2	4132.0	4113.6
65°	2381.5	2867.8	3510.2	3684.6	3643.3
67.5°	2032.7	2535.2	3127.1	3239.5	3184.5
70°	1702.4	2211.7	2755.4	2812.8	2762.3
72.5°	1411.0	1904.2	2379.2	2427.3	2390.6
75°	1121.9	1610.6	2032.7	2085.5	2064.8
77.5°	851.2	1326.1	1713.8	1782.7	1787.2
80°	612.6	1066.8	1436.2	1544.0	1557.8
82.5°	403.8	828.2	1204.5	1342.2	1362.8
85°	234.0	617.2	1018.7	1158.6	1179.3
87.5°	100.9	445.1	819.1	945.2	970.5
90°	0.0	240.9	582.7	734.2	764.0
92.5°	6.9	199.6	500.2	637.8	663.0
95°	11.5	162.9	435.9	555.2	575.9
97.5°	13.8	137.7	378.6	484.1	504.7
100°	13.8	119.3	328.1	424.4	442.8
102.5°	13.8	105.5	286.8	371.7	387.7
105°	16.1	94.1	252.4	330.4	344.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.4	61.9	174.4	234.0	243.2
115°	18.4	52.8	156.0	208.8	218.0
117.5°	20.6	45.9	137.7	188.1	195.0
120°	20.6	39.0	121.6	167.5	176.7
122.5°	20.6	32.1	107.8	151.4	158.3
125°	18.4	25.2	94.1	135.4	142.2
127.5°	16.1	20.6	80.3	121.6	128.5
130°	16.1	18.4	68.8	107.8	114.7
132.5°	16.1	20.6	57.4	94.1	103.2
135°	16.1	20.6	48.2	82.6	91.8
137.5°	16.1	20.6	39.0	71.1	80.3
140°	18.4	20.6	32.1	59.7	68.8
142.5°	20.6	20.6	25.2	50.5	57.4
145°	22.9	20.6	22.9	41.3	48.2
147.5°	22.9	22.9	22.9	32.1	39.0
150°	22.9	25.2	22.9	25.2	32.1
152.5°	22.9	25.2	22.9	20.6	25.2
155°	22.9	25.2	22.9	20.6	22.9
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°	16.1	82.6	222.5	293.7	305.1
110°	16.1	73.4	197.3	261.5	273.0



(END OF REPORT)