

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: P828373

Luminaire Tested: **OHBL-30HE-W-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828373
REPORT IS A COMBINATION OF REPORTS P826124 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-W-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

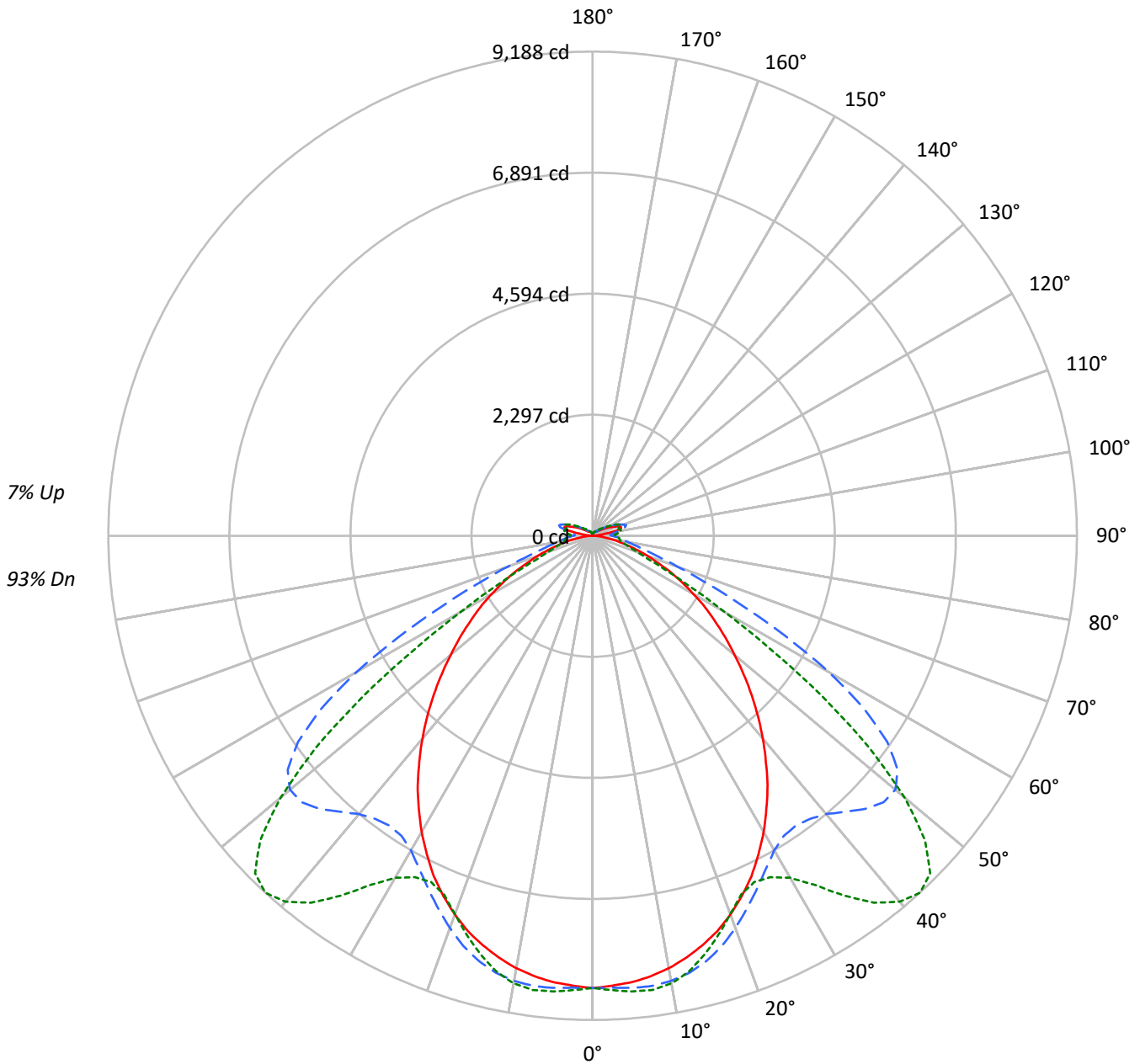
Lumens per Lamp: N/A
Luminaire Lumens: 27018.1 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13573	13573	13573
5°	13390	13560	13727
10°	13166	13545	13744
15°	12854	13328	13303
20°	12448	12875	12652
25°	11925	12327	12398
30°	11250	11920	13341
35°	10491	12147	15612
40°	9623	13164	18048
45°	8721	14943	19400
50°	7787	16537	18053
55°	6908	16531	13794
60°	6016	14002	8434
65°	5081	9682	5109
70°	4041	6271	3688
75°	2977	4507	3420
80°	2023	3975	3859
85°	1224	4406	6099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.1	3.0
10°-20°	2322.4	8.6
20°-30°	3398.4	12.6
30°-40°	4413.6	16.3
40°-50°	5389.6	19.9
50°-60°	4746.4	17.6
60°-70°	2473.4	9.2
70°-80°	1060.6	3.9
80°-90°	512.7	1.9
90°-100°	365.9	1.4
100°-110°	587.5	2.2
110°-120°	464.9	1.7
120°-130°	228.7	0.8
130°-140°	114.4	0.4
140°-150°	64.0	0.2
150°-160°	34.6	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	6541.0	24.2
0°-40°	10954.6	40.5
0°-60°	21090.5	78.1
0°-90°	25137.2	93.0
90°-120°	1418.3	5.2
90°-150°	1825.5	6.8
90°-180°	1881.0	7.0
0°-180°	27018.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8582	8582	8582	8582	8582	
5°	8503	8568	8614	8690	8680	806
15°	8046	8271	8351	8288	8221	2265
25°	7129	7510	7382	7244	7251	3272
35°	5786	6398	6718	7834	8336	3607
45°	4261	5361	7327	8871	9056	3285
55°	2837	4696	6823	5983	5318	2546
65°	1628	3253	3124	1737	1494	1610
75°	656	1522	1004	687	652	715
85°	139	542	511	500	506	155
90°	4	215	362	418	432	12
95°	28	177	362	438	468	90
105°	558	607	637	536	513	529
115°	390	416	490	512	508	394
125°	196	212	262	279	280	184
135°	120	123	144	166	169	95
145°	94	92	96	108	112	59
155°	78	79	77	77	78	34
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8582.5	8582.5	8582.5	8582.5	8582.5
2.5°	8545.4	8582.5	8584.3	8636.1	8630.5
5°	8502.8	8567.6	8613.9	8689.8	8680.5
7.5°	8432.5	8534.3	8615.8	8699.1	8691.7
10°	8332.5	8471.3	8578.7	8647.2	8625.0
12.5°	8202.9	8386.1	8491.7	8506.5	8464.0
15°	8045.5	8271.4	8351.0	8288.0	8221.4
17.5°	7867.7	8132.4	8160.3	8023.2	7939.9
20°	7645.5	7947.3	7919.5	7730.7	7638.1
22.5°	7399.2	7743.6	7654.8	7456.6	7367.8
25°	7128.8	7510.3	7382.5	7243.7	7251.1
27.5°	6812.3	7245.5	7121.4	7184.4	7302.9
30°	6490.1	6967.8	6891.8	7258.5	7491.8
32.5°	6136.4	6682.6	6751.1	7475.1	7856.6
35°	5786.4	6397.5	6717.8	7834.4	8336.1
37.5°	5399.4	6108.6	6771.5	8249.1	8775.0
40°	5023.6	5827.2	6893.7	8621.3	9065.7
42.5°	4640.2	5575.3	7099.3	8841.6	9187.9
45°	4260.6	5360.6	7327.0	8871.3	9056.5
47.5°	3881.1	5179.1	7484.4	8636.1	8551.0
50°	3514.5	5018.0	7495.5	8071.4	7723.3
52.5°	3171.9	4869.8	7291.9	7171.4	6630.8
55°	2836.7	4695.8	6823.3	5982.7	5318.0
57.5°	2531.2	4455.1	6101.2	4705.1	3979.2
60°	2207.2	4129.2	5168.0	3442.2	2870.0
62.5°	1909.0	3723.7	4121.8	2396.0	2062.8
65°	1627.6	3253.4	3123.7	1736.9	1494.3
67.5°	1329.5	2766.4	2305.3	1266.5	1111.0
70°	1096.2	2314.5	1716.5	985.1	894.3
72.5°	857.4	1885.0	1283.2	799.9	749.9
75°	655.5	1522.0	1003.6	686.9	651.8
77.5°	483.3	1203.6	807.3	607.3	574.0
80°	338.8	948.0	675.8	542.5	529.6
82.5°	227.8	733.3	575.8	516.6	518.4
85°	138.9	542.5	511.1	499.9	505.5
87.5°	66.7	385.2	438.8	455.5	461.1
90°	4.4	215.4	362.2	418.2	431.8
92.5°	8.7	174.3	336.3	400.0	418.0
95°	28.1	177.4	361.5	438.2	467.5
97.5°	148.1	257.0	418.1	493.1	514.4
100°	298.6	397.9	474.7	534.1	545.8
102.5°	476.8	527.8	529.1	535.8	534.4
105°	557.7	607.3	636.6	536.2	512.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	453.7	493.1	563.1	573.3	561.3
115°	390.2	416.1	489.9	512.3	508.2
117.5°	338.1	356.7	421.3	441.9	441.9
120°	284.2	302.5	357.1	377.6	378.6
122.5°	237.3	253.5	307.9	325.6	326.6
125°	196.4	212.4	262.1	278.8	279.8
127.5°	167.6	175.5	223.3	241.8	241.9
130°	146.8	151.1	189.6	209.0	212.8
132.5°	132.0	135.5	165.7	185.1	189.7
135°	119.8	123.3	144.4	166.5	169.2
137.5°	111.1	112.9	129.3	148.7	153.2
140°	102.4	105.0	115.0	134.4	137.1
142.5°	98.2	98.1	105.4	121.9	123.7
145°	93.9	92.0	95.6	108.4	112.1
147.5°	89.6	89.5	91.2	98.6	101.4
150°	85.2	86.9	84.2	88.7	92.4
152.5°	81.7	82.6	80.7	80.7	85.2
155°	78.2	79.1	77.2	77.2	78.1
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	559.6	608.6	665.9	580.0	520.3
110°	517.0	562.1	626.5	611.8	561.6



(END OF REPORT)