

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: P828229

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828229
REPORT IS A COMBINATION OF REPORTS P826100 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: OHB-30HE-W-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

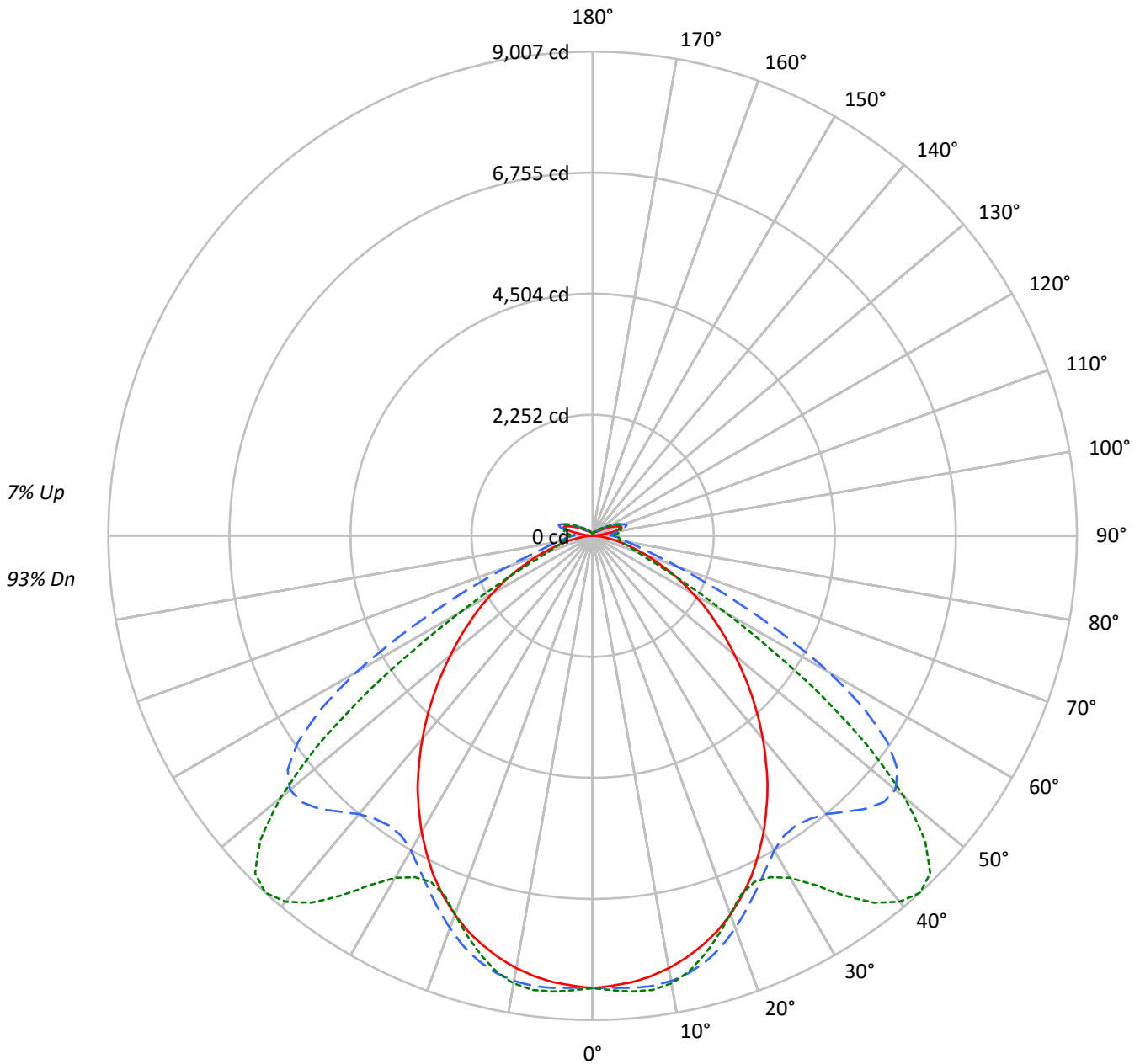
Lumens per Lamp: N/A
Luminaire Lumens: 26512.1 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 179.3
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	89	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	71	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°	26023	26023	26023
5°	25673	25932	26224
10°	25243	25837	26158
15°	24644	25356	25225
20°	23866	24430	23896
25°	22863	23324	23322
30°	21570	22488	24987
35°	20115	22844	29100
40°	18450	24669	33463
45°	16721	27892	35753
50°	14931	30727	33038
55°	13245	30553	25031
60°	11535	25709	15143
65°	9742	17631	9048
70°	7747	11294	6410
75°	5707	7988	5777
80°	3880	6872	6210
85°	2348	7271	8858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.0	3.0
10°-20°	2276.7	8.6
20°-30°	3331.5	12.6
30°-40°	4326.7	16.3
40°-50°	5283.4	19.9
50°-60°	4652.9	17.6
60°-70°	2424.7	9.1
70°-80°	1039.8	3.9
80°-90°	502.7	1.9
90°-100°	361.2	1.4
100°-110°	584.5	2.2
110°-120°	463.2	1.7
120°-130°	227.8	0.9
130°-140°	114.0	0.4
140°-150°	63.8	0.2
150°-160°	34.6	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	6412.2	24.2
0°-40°	10738.9	40.5
0°-60°	20675.2	78.0
0°-90°	24642.4	92.9
90°-120°	1408.9	5.3
90°-150°	1814.5	6.8
90°-180°	1870.0	7.1
0°-180°	26512.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8413	8413	8413	8413	8413	
5°	8335	8399	8444	8519	8510	790
15°	7887	8108	8186	8125	8060	2221
25°	6988	7362	7237	7101	7108	3207
35°	5672	6272	6586	7680	8172	3536
45°	4177	5255	7183	8697	8878	3221
55°	2781	4603	6689	5865	5213	2496
65°	1596	3189	3062	1703	1465	1579
75°	643	1492	984	674	639	701
85°	136	532	501	490	496	152
90°	4	212	356	411	424	11
95°	28	175	356	432	461	89
105°	558	606	633	532	509	529
115°	390	415	488	510	506	394
125°	196	212	261	277	278	184
135°	120	123	144	166	168	95
145°	94	92	95	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°	8413.4	8413.4	8413.4	8413.4	8413.4
2.5°	8377.1	8413.4	8415.3	8466.0	8460.7
5°	8335.4	8398.9	8444.3	8518.7	8509.6
7.5°	8266.4	8366.2	8446.1	8527.8	8520.6
10°	8168.3	8304.5	8409.8	8477.0	8455.2
12.5°	8041.3	8221.0	8324.5	8339.0	8297.3
15°	7887.0	8108.4	8186.5	8124.8	8059.5
17.5°	7712.8	7972.4	7999.6	7865.3	7783.5
20°	7495.0	7790.8	7763.6	7578.4	7487.7
22.5°	7253.5	7591.1	7504.0	7309.8	7222.6
25°	6988.5	7362.5	7237.2	7101.0	7108.3
27.5°	6678.1	7102.8	6981.2	7042.9	7159.1
30°	6362.2	6830.6	6756.2	7115.5	7344.3
32.5°	6015.6	6551.0	6618.2	7327.9	7701.9
35°	5672.5	6271.5	6585.5	7680.1	8172.0
37.5°	5293.1	5988.3	6638.2	8086.7	8602.2
40°	4924.6	5712.4	6757.9	8451.5	8887.2
42.5°	4548.8	5465.6	6959.5	8667.6	9007.0
45°	4176.7	5255.0	7182.7	8696.6	8878.2
47.5°	3804.7	5077.1	7337.0	8466.0	8382.6
50°	3445.3	4919.1	7347.9	7912.5	7571.2
52.5°	3109.4	4773.9	7148.2	7030.2	6500.2
55°	2780.9	4603.4	6689.0	5864.9	5213.3
57.5°	2481.4	4367.4	5981.1	4612.4	3900.8
60°	2163.7	4047.9	5066.2	3374.5	2813.5
62.5°	1871.5	3650.4	4040.7	2348.9	2022.2
65°	1595.5	3189.3	3062.3	1702.6	1464.8
67.5°	1303.3	2711.9	2259.9	1241.6	1089.2
70°	1074.6	2269.0	1682.7	965.7	876.7
72.5°	840.4	1847.8	1257.9	784.2	735.1
75°	642.6	1492.1	983.9	673.5	639.0
77.5°	473.8	1179.8	791.5	595.4	562.7
80°	332.2	929.3	662.5	531.8	519.1
82.5°	223.3	718.9	564.5	506.5	508.3
85°	136.2	531.8	501.0	490.1	495.6
87.5°	65.4	377.6	430.2	446.5	452.0
90°	4.4	211.5	355.6	410.6	424.0
92.5°	8.7	171.4	330.4	393.2	411.1
95°	28.0	175.1	356.2	432.0	461.2
97.5°	148.0	255.2	413.3	487.5	508.6
100°	298.5	396.4	470.5	529.0	540.4
102.5°	476.7	526.4	525.2	531.3	529.7
105°	557.7	606.1	633.1	532.0	508.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	453.4	492.2	560.6	570.4	558.4
115°	389.9	415.4	487.8	509.7	505.5
117.5°	337.9	356.1	419.5	439.5	439.6
120°	284.0	302.0	355.5	375.5	376.5
122.5°	237.0	253.1	306.4	323.8	324.7
125°	196.1	212.1	260.8	277.3	278.1
127.5°	167.4	175.3	222.1	240.3	240.4
130°	146.5	150.8	188.8	207.8	211.4
132.5°	131.7	135.2	165.0	184.0	188.5
135°	119.5	123.0	143.8	165.5	168.2
137.5°	110.9	112.6	128.8	147.8	152.3
140°	102.2	104.8	114.7	133.7	136.3
142.5°	97.9	97.8	105.0	121.3	123.1
145°	93.6	91.7	95.3	107.9	111.5
147.5°	89.3	89.2	90.9	98.2	100.9
150°	84.9	86.7	83.9	88.4	92.1
152.5°	81.5	82.3	80.4	80.4	84.9
155°	78.0	78.9	76.9	76.9	77.8
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°	559.4	607.5	662.9	576.4	516.4
110°	516.8	561.1	623.8	608.5	558.3



(END OF REPORT)