

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: P828198

Luminaire Tested: **OHB-24HE-W-UNV-L940-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828198
REPORT IS A COMBINATION OF REPORTS P826040 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-24HE-W-UNV-L940-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

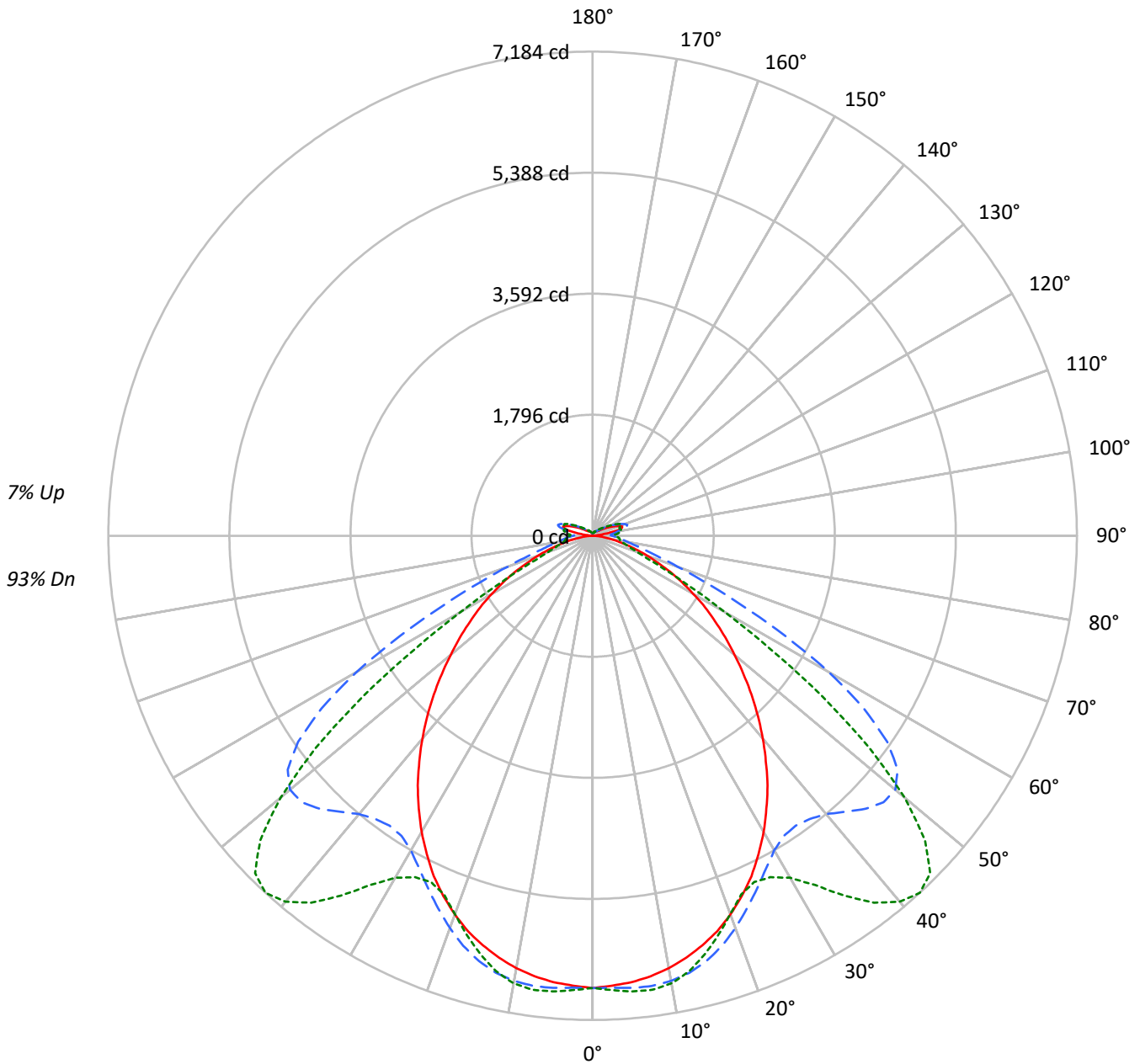
Lumens per Lamp: N/A
Luminaire Lumens: 21174.8 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 138.4
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	95	95	95	93																			
1	108	103	99	95	104	100	96	93	94	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	68	66																			
3	89	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	47	43	41																			
6	69	56	47	41	67	55	46	40	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	57	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	36	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20756	20756	20756
5°	20476	20683	20915
10°	20133	20607	20863
15°	19656	20223	20119
20°	19035	19485	19059
25°	18235	18603	18601
30°	17204	17936	19929
35°	16043	18220	23210
40°	14716	19676	26689
45°	13337	22246	28516
50°	11908	24507	26350
55°	10564	24369	19964
60°	9200	20505	12078
65°	7771	14062	7217
70°	6179	9008	5113
75°	4552	6371	4607
80°	3094	5481	4953
85°	1872	5799	7064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.3	3.0
10°-20°	1815.8	8.6
20°-30°	2657.2	12.5
30°-40°	3450.9	16.3
40°-50°	4214.0	19.9
50°-60°	3711.0	17.5
60°-70°	1933.8	9.1
70°-80°	829.3	3.9
80°-90°	401.0	1.9
90°-100°	290.6	1.4
100°-110°	476.2	2.2
110°-120°	377.9	1.8
120°-130°	185.5	0.9
130°-140°	92.9	0.4
140°-150°	52.1	0.2
150°-160°	28.3	0.1
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	5114.2	24.2
0°-40°	8565.1	40.4
0°-60°	16490.1	77.9
0°-90°	19654.3	92.8
90°-120°	1144.6	5.4
90°-150°	1475.2	7.0
90°-180°	1521.0	7.2
0°-180°	21174.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6710	6710	6710	6710	6710	
5°	6648	6699	6735	6794	6787	630
15°	6290	6467	6529	6480	6428	1771
25°	5574	5872	5772	5664	5669	2558
35°	4524	5002	5252	6126	6518	2820
45°	3331	4191	5729	6936	7081	2569
55°	2218	3672	5335	4678	4158	1991
65°	1273	2544	2442	1358	1168	1259
75°	512	1190	785	537	510	559
85°	109	424	400	391	395	121
90°	4	169	284	328	339	9
95°	25	140	285	347	370	74
105°	455	495	515	432	413	431
115°	322	342	398	414	412	322
125°	163	174	212	225	227	151
135°	97	100	118	135	136	77
145°	77	76	78	88	91	48
155°	64	65	63	64	64	28
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6710.4	6710.4	6710.4	6710.4	6710.4
2.5°	6681.4	6710.4	6711.8	6752.4	6748.0
5°	6648.1	6698.8	6735.0	6794.4	6787.1
7.5°	6593.1	6672.7	6736.5	6801.6	6795.8
10°	6514.9	6623.5	6707.5	6761.1	6743.7
12.5°	6413.5	6556.9	6639.4	6651.0	6617.7
15°	6290.5	6467.1	6529.4	6480.1	6428.1
17.5°	6151.5	6358.6	6380.2	6273.1	6208.0
20°	5977.8	6213.7	6192.1	6044.4	5972.0
22.5°	5785.3	6054.6	5985.0	5830.1	5760.6
25°	5573.8	5872.1	5772.2	5663.6	5669.4
27.5°	5326.3	5665.0	5568.1	5617.3	5710.0
30°	5074.4	5447.9	5388.6	5675.2	5857.6
32.5°	4797.9	5224.9	5278.5	5844.6	6142.8
35°	4524.2	5002.0	5252.5	6125.5	6517.8
37.5°	4221.7	4776.1	5294.5	6449.8	6861.0
40°	3927.8	4556.1	5390.0	6740.8	7088.2
42.5°	3628.1	4359.2	5550.7	6913.0	7183.8
45°	3331.3	4191.2	5728.8	6936.2	7081.0
47.5°	3034.5	4049.4	5851.8	6752.4	6685.8
50°	2747.9	3923.5	5860.5	6310.8	6038.6
52.5°	2480.0	3807.6	5701.3	5607.1	5184.4
55°	2218.0	3671.5	5335.0	4677.7	4157.9
57.5°	1979.1	3483.3	4770.4	3678.8	3111.2
60°	1725.8	3228.5	4040.7	2691.4	2244.0
62.5°	1492.7	2911.4	3222.7	1873.4	1612.8
65°	1272.6	2543.7	2442.4	1358.0	1168.4
67.5°	1039.5	2162.9	1802.4	990.3	868.7
70°	857.1	1809.7	1342.1	770.2	699.3
72.5°	670.3	1473.8	1003.3	625.4	586.4
75°	512.5	1190.1	784.7	537.1	509.6
77.5°	377.9	941.0	631.2	474.9	448.8
80°	264.9	741.3	528.4	424.2	414.0
82.5°	178.1	573.3	450.3	403.9	405.3
85°	108.6	424.2	399.6	390.9	395.2
87.5°	52.1	301.2	343.1	356.1	360.5
90°	4.1	169.1	284.4	328.1	338.8
92.5°	7.8	137.3	264.7	316.2	327.8
95°	24.6	140.2	284.7	347.0	369.9
97.5°	120.2	201.6	332.6	396.3	409.3
100°	244.3	322.0	382.7	428.5	437.2
102.5°	386.0	432.9	425.3	431.1	429.6
105°	455.3	495.0	515.1	432.3	413.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	372.1	400.8	459.0	465.3	453.4
115°	321.7	342.0	397.9	414.0	411.8
117.5°	272.7	292.1	342.5	357.3	357.0
120°	230.1	246.9	290.7	304.5	306.0
122.5°	195.4	206.9	248.6	262.0	264.2
125°	163.2	173.6	211.8	224.6	226.8
127.5°	136.5	143.2	181.1	194.7	196.1
130°	120.0	123.5	153.9	169.2	172.1
132.5°	107.8	110.4	134.2	149.5	153.3
135°	97.4	100.0	117.9	134.8	136.2
137.5°	90.4	92.2	104.9	120.2	124.0
140°	83.5	86.1	93.6	108.9	110.4
142.5°	79.7	80.0	86.1	98.5	100.9
145°	76.8	75.6	78.0	87.5	91.3
147.5°	72.4	72.8	74.5	80.2	82.6
150°	69.8	70.7	68.7	72.4	75.4
152.5°	66.3	67.2	65.2	66.1	68.9
155°	63.7	64.6	62.6	63.5	63.5
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	459.3	498.7	539.8	470.5	417.8
110°	421.1	459.1	507.9	495.5	454.0



(END OF REPORT)