

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: P828042

Luminaire Tested: **OHBL-24HE-W-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828042
REPORT IS A COMBINATION OF REPORTS P826076 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: OHBL-24HE-W-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

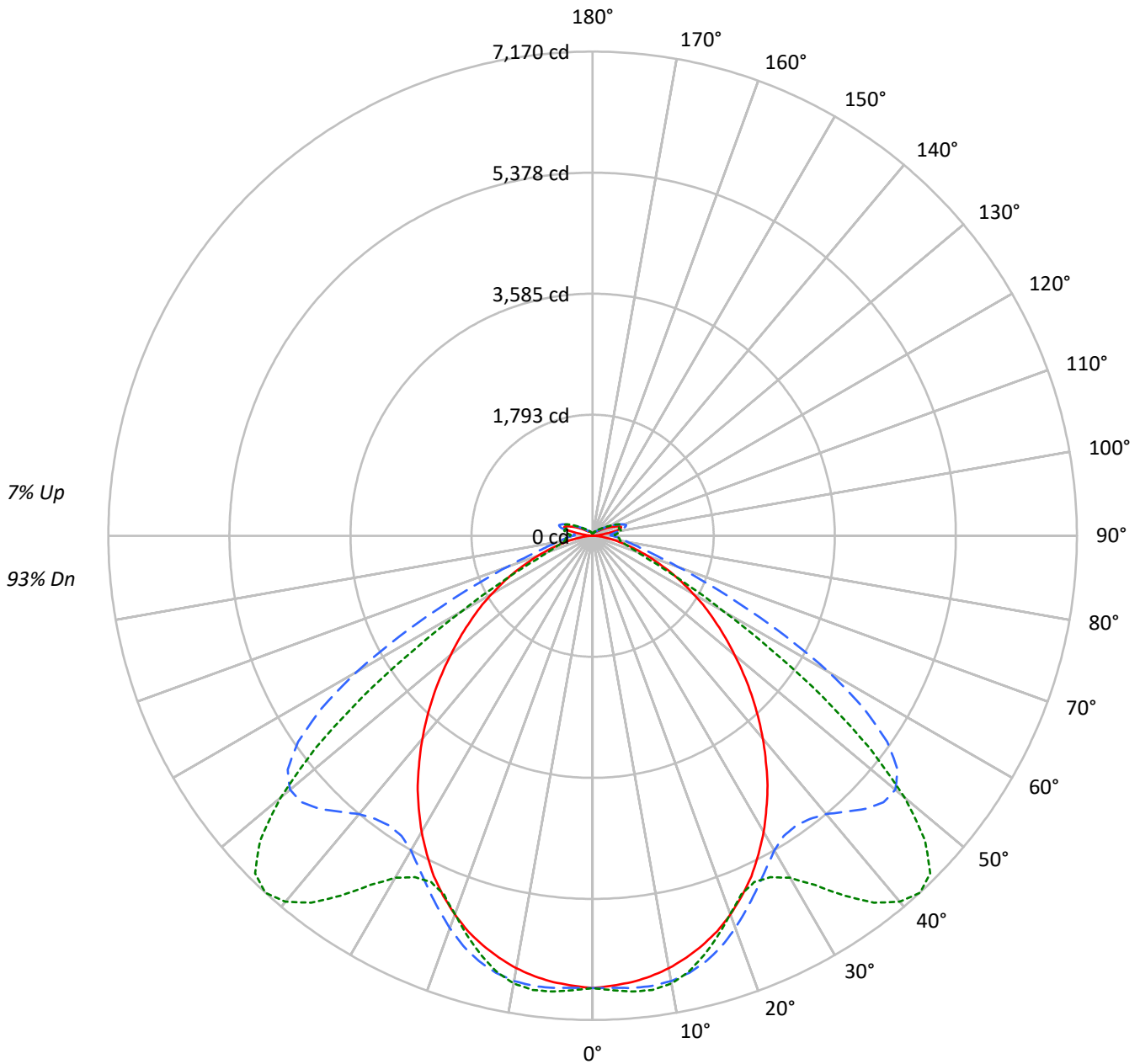
Lumens per Lamp: N/A
Luminaire Lumens: 21092.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
Input Voltage (V): NR
Input Current (Ain): 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°	10592	10592	10592
5°	10449	10582	10713
10°	10275	10571	10726
15°	10031	10401	10382
20°	9714	10048	9873
25°	9306	9620	9676
30°	8780	9303	10412
35°	8187	9480	12184
40°	7510	10273	14085
45°	6806	11661	15140
50°	6077	12905	14089
55°	5391	12901	10765
60°	4695	10927	6582
65°	3966	7556	3987
70°	3153	4894	2878
75°	2323	3517	2669
80°	1579	3102	3010
85°	956	3438	4760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.0	3.0
10°-20°	1812.4	8.6
20°-30°	2652.2	12.6
30°-40°	3444.4	16.3
40°-50°	4206.0	19.9
50°-60°	3704.0	17.6
60°-70°	1930.2	9.2
70°-80°	827.7	3.9
80°-90°	400.2	1.9
90°-100°	285.9	1.4
100°-110°	461.0	2.2
110°-120°	364.9	1.7
120°-130°	179.3	0.9
130°-140°	89.8	0.4
140°-150°	50.3	0.2
150°-160°	27.3	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	5104.6	24.2
0°-40°	8549.0	40.5
0°-60°	16459.1	78.0
0°-90°	19617.1	93.0
90°-120°	1111.8	5.3
90°-150°	1431.2	6.8
90°-180°	1475.0	7.0
0°-180°	21092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6698	6698	6698	6698	6698	
5°	6636	6686	6722	6782	6774	629
15°	6279	6455	6517	6468	6416	1768
25°	5563	5861	5761	5653	5659	2553
35°	4516	4993	5243	6114	6506	2815
45°	3325	4183	5718	6923	7068	2564
55°	2214	3665	5325	4669	4150	1987
65°	1270	2539	2438	1355	1166	1257
75°	512	1188	783	536	509	558
85°	108	423	399	390	394	121
90°	4	168	283	326	337	9
95°	24	138	281	342	365	71
105°	437	476	499	421	403	414
115°	309	329	385	401	399	309
125°	157	167	205	218	220	145
135°	94	96	114	131	132	74
145°	74	73	75	85	88	46
155°	62	62	60	61	61	27
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6697.8	6697.8	6697.8	6697.8	6697.8
2.5°	6668.8	6697.8	6699.2	6739.7	6735.3
5°	6635.6	6686.2	6722.2	6781.5	6774.3
7.5°	6580.7	6660.2	6723.8	6788.8	6783.0
10°	6502.7	6611.0	6694.8	6748.3	6731.0
12.5°	6401.5	6544.6	6626.9	6638.5	6605.2
15°	6278.7	6455.0	6517.1	6468.0	6415.9
17.5°	6139.9	6346.6	6368.2	6261.3	6196.3
20°	5966.5	6202.1	6180.4	6033.0	5960.8
22.5°	5774.3	6043.2	5973.8	5819.2	5749.8
25°	5563.4	5861.1	5761.3	5653.0	5658.8
27.5°	5316.2	5654.4	5557.6	5606.8	5699.2
30°	5064.8	5437.7	5378.4	5664.5	5846.6
32.5°	4788.8	5215.1	5268.6	5833.6	6131.2
35°	4515.8	4992.6	5242.6	6113.9	6505.5
37.5°	4213.8	4767.2	5284.5	6437.6	6848.0
40°	3920.3	4547.5	5379.8	6728.1	7074.9
42.5°	3621.2	4351.0	5540.2	6900.0	7170.2
45°	3325.0	4183.3	5718.0	6923.2	7067.7
47.5°	3028.8	4041.8	5840.8	6739.7	6673.2
50°	2742.7	3916.0	5849.5	6298.9	6027.2
52.5°	2475.3	3800.4	5690.5	5596.6	5174.7
55°	2213.8	3664.6	5324.9	4668.9	4150.2
57.5°	1975.3	3476.8	4761.4	3671.8	3105.3
60°	1722.5	3222.4	4033.1	2686.3	2239.8
62.5°	1489.8	2906.0	3216.7	1869.8	1609.8
65°	1270.2	2538.9	2437.8	1355.4	1166.2
67.5°	1037.5	2158.9	1799.1	988.4	867.0
70°	855.5	1806.2	1339.6	768.8	697.9
72.5°	669.1	1471.1	1001.4	624.2	585.2
75°	511.5	1187.8	783.2	536.1	508.7
77.5°	377.2	939.2	630.0	474.0	448.0
80°	264.4	739.8	527.4	423.4	413.2
82.5°	177.8	572.3	449.4	403.2	404.6
85°	108.4	423.4	398.8	390.2	394.5
87.5°	52.0	300.6	342.5	355.5	359.8
90°	3.9	168.2	283.0	326.4	337.0
92.5°	7.5	136.2	262.8	313.8	325.2
95°	23.8	137.9	281.2	342.3	364.6
97.5°	115.4	196.2	326.2	388.8	401.4
100°	234.3	311.1	373.4	418.8	427.3
102.5°	370.2	417.2	413.6	420.4	419.2
105°	436.6	476.4	499.2	420.8	402.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	357.0	385.5	443.7	450.6	439.3
115°	308.7	328.9	384.7	400.9	398.8
117.5°	261.8	281.0	331.2	346.0	345.8
120°	220.9	237.5	281.1	295.1	296.5
122.5°	187.6	199.0	240.5	253.9	256.2
125°	156.8	166.9	205.0	217.8	220.0
127.5°	131.2	137.6	175.3	188.8	190.3
130°	115.3	118.7	148.8	164.2	167.0
132.5°	103.7	106.2	129.8	145.0	148.8
135°	93.7	96.2	113.9	130.7	132.2
137.5°	87.0	88.7	101.2	116.6	120.3
140°	80.3	82.8	90.2	105.6	107.0
142.5°	76.8	77.0	83.0	95.4	97.7
145°	74.1	72.8	75.1	84.6	88.3
147.5°	69.9	70.1	71.8	77.6	79.8
150°	67.4	68.3	66.2	69.9	72.8
152.5°	64.1	64.9	62.8	63.7	66.6
155°	61.6	62.4	60.3	61.2	61.2
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	440.6	479.8	522.3	456.8	406.3
110°	403.9	441.5	491.1	480.1	440.4



(END OF REPORT)