

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: P828039

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828039
REPORT IS A COMBINATION OF REPORTS P826075 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-NL-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

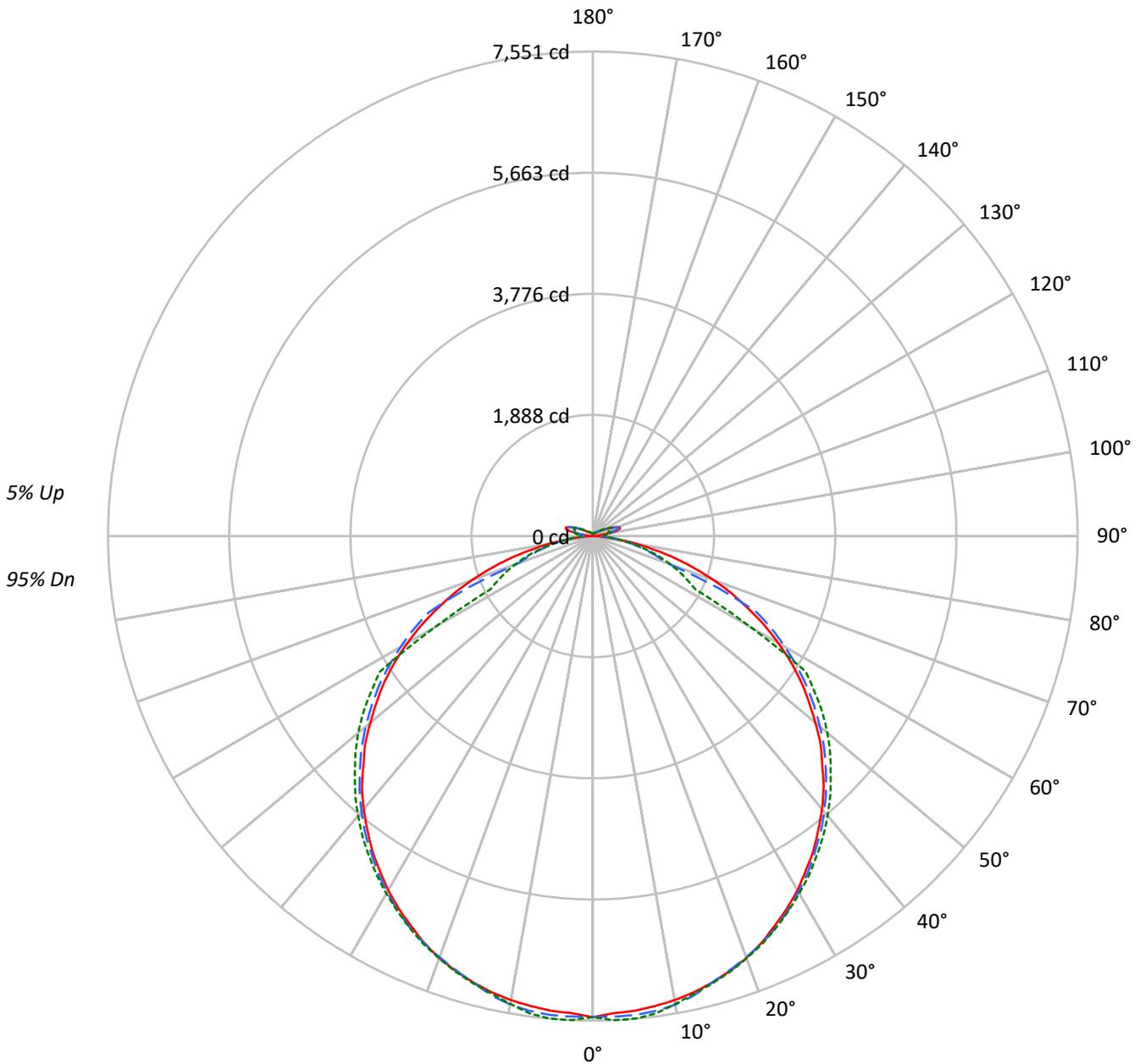
Lumens per Lamp: N/A
Luminaire Lumens: 22084.5 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 141.4
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				20				20
RC	80				70				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	114	114	114	114	108	108	108	103	103	103	97	97	97	97	97	97	95
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	83	83	83	80
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	70	70	70	67
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	59	59	59	57
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	51	51	51	49
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	44	44	44	42
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	39	39	39	37
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	35	35	35	33
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	31	31	31	29
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	28	28	28	26
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11855	11855	11855
5°	11733	11836	11958
10°	11679	11784	11835
15°	11618	11608	11732
20°	11542	11514	11673
25°	11399	11444	11620
30°	11279	11321	11569
35°	11132	11174	11524
40°	10954	11037	11490
45°	10705	10842	11418
50°	10438	10622	11373
55°	10114	10343	11180
60°	9625	9928	8637
65°	8920	9395	5753
70°	8010	4837	5500
75°	6670	4381	5128
80°	4709	3679	4490
85°	1911	2970	3885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.2	3.2
10°-20°	2039.2	9.2
20°-30°	3102.7	14.0
30°-40°	3772.5	17.1
40°-50°	3966.6	18.0
50°-60°	3622.0	16.4
60°-70°	2321.9	10.5
70°-80°	1096.8	5.0
80°-90°	306.7	1.4
90°-100°	179.7	0.8
100°-110°	367.0	1.7
110°-120°	302.4	1.4
120°-130°	142.0	0.6
130°-140°	71.0	0.3
140°-150°	41.3	0.2
150°-160°	24.1	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	5854.1	26.5
0°-40°	9626.6	43.6
0°-60°	17215.2	78.0
0°-90°	20940.6	94.8
90°-120°	849.1	3.8
90°-150°	1103.5	5.0
90°-180°	1144.0	5.2
0°-180°	22084.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7496	7496	7496	7496	7496	
5°	7426	7456	7494	7534	7550	706
15°	7202	7256	7200	7211	7216	2033
25°	6702	6712	6736	6746	6741	3092
35°	5990	5955	6023	6097	6080	3743
45°	5052	5043	5129	5250	5240	3905
55°	3959	3929	4062	4197	4208	3531
65°	2668	2668	2823	1619	1624	2645
75°	1318	1343	872	918	922	1389
85°	172	218	272	295	279	255
90°	2	89	141	169	170	9
95°	25	86	159	214	229	71
105°	437	440	384	278	256	414
115°	307	309	314	308	295	305
125°	147	152	156	154	155	137
135°	85	88	91	92	92	68
145°	62	64	65	66	67	40
155°	50	51	52	52	52	23
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°	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7443.7	7468.7	7496.2	7531.8	7551.4
5°	7426.5	7455.5	7493.7	7534.4	7550.2
7.5°	7389.8	7430.4	7467.3	7496.2	7505.5
10°	7343.7	7392.4	7413.4	7410.8	7404.3
12.5°	7281.8	7333.2	7326.7	7296.3	7301.6
15°	7201.6	7255.5	7200.3	7210.8	7216.1
17.5°	7106.9	7159.6	7095.1	7116.1	7117.5
20°	6996.5	7035.9	6985.9	7003.0	7003.0
22.5°	6863.6	6891.2	6870.2	6882.0	6884.7
25°	6701.8	6712.2	6735.9	6746.5	6741.2
27.5°	6546.7	6533.4	6579.5	6604.4	6591.2
30°	6374.3	6353.2	6407.1	6447.9	6432.2
32.5°	6176.9	6163.8	6225.7	6274.3	6265.1
35°	5990.2	5954.7	6023.0	6096.7	6079.6
37.5°	5769.2	5748.2	5825.7	5903.4	5894.3
40°	5553.4	5517.9	5606.1	5698.2	5688.9
42.5°	5322.0	5279.8	5375.9	5486.5	5475.9
45°	5052.2	5043.1	5128.6	5249.6	5240.4
47.5°	4813.0	4766.9	4886.5	5003.7	5014.3
50°	4523.5	4506.5	4615.7	4757.8	4768.2
52.5°	4240.8	4228.9	4343.2	4486.8	4505.1
55°	3959.2	3929.0	4061.8	4197.3	4207.9
57.5°	3658.1	3626.5	3762.0	3909.3	3931.6
60°	3335.8	3305.5	3454.1	3591.0	2855.7
62.5°	3013.5	2992.4	3147.8	2229.6	1796.9
65°	2667.6	2667.6	2822.7	1619.2	1624.5
67.5°	2344.0	2323.0	2104.7	1454.8	1454.8
70°	1996.8	2004.7	1212.7	1274.7	1275.9
72.5°	1648.2	1677.1	1047.1	1097.0	1099.6
75°	1318.0	1343.0	872.1	918.2	922.1
77.5°	968.2	744.5	701.0	736.7	737.9
80°	680.0	469.6	536.8	570.8	566.9
82.5°	397.2	328.8	393.2	418.3	416.9
85°	172.2	218.3	272.2	294.7	278.8
87.5°	55.2	135.5	169.6	182.8	181.4
90°	2.5	88.7	141.0	169.2	170.0
92.5°	7.5	77.0	136.9	176.6	182.0
95°	24.8	86.5	158.6	213.8	228.8
97.5°	115.2	150.1	200.2	255.4	266.3
100°	232.7	269.8	246.7	280.8	286.2
102.5°	372.4	379.3	288.2	280.4	277.6
105°	437.4	440.3	384.3	278.5	256.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	356.2	361.4	362.8	345.6	322.1
115°	306.6	309.2	313.9	307.5	294.6
117.5°	251.7	255.0	257.5	255.0	253.3
120°	210.8	215.8	217.5	214.2	214.2
122.5°	177.5	181.7	184.2	181.7	182.5
125°	146.7	152.5	155.8	154.2	155.0
127.5°	122.5	127.5	133.3	132.5	132.5
130°	106.7	110.0	114.2	115.0	115.0
132.5°	95.0	97.5	100.8	101.7	102.5
135°	85.0	87.5	90.8	91.7	91.7
137.5°	78.3	80.0	82.5	83.3	84.2
140°	71.7	74.2	75.8	76.7	76.7
142.5°	66.7	68.3	70.0	70.8	71.7
145°	62.5	64.2	65.0	65.8	66.7
147.5°	58.3	60.0	61.7	61.7	62.5
150°	55.8	56.7	57.5	58.3	58.3
152.5°	52.5	53.3	54.2	55.0	55.0
155°	50.0	50.8	51.7	52.5	52.5
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°	439.9	448.1	419.3	322.7	261.4
110°	404.6	414.3	399.9	360.6	308.8



(END OF REPORT)