

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: P828030

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828030
REPORT IS A COMBINATION OF REPORTS P826072 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-MCL-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

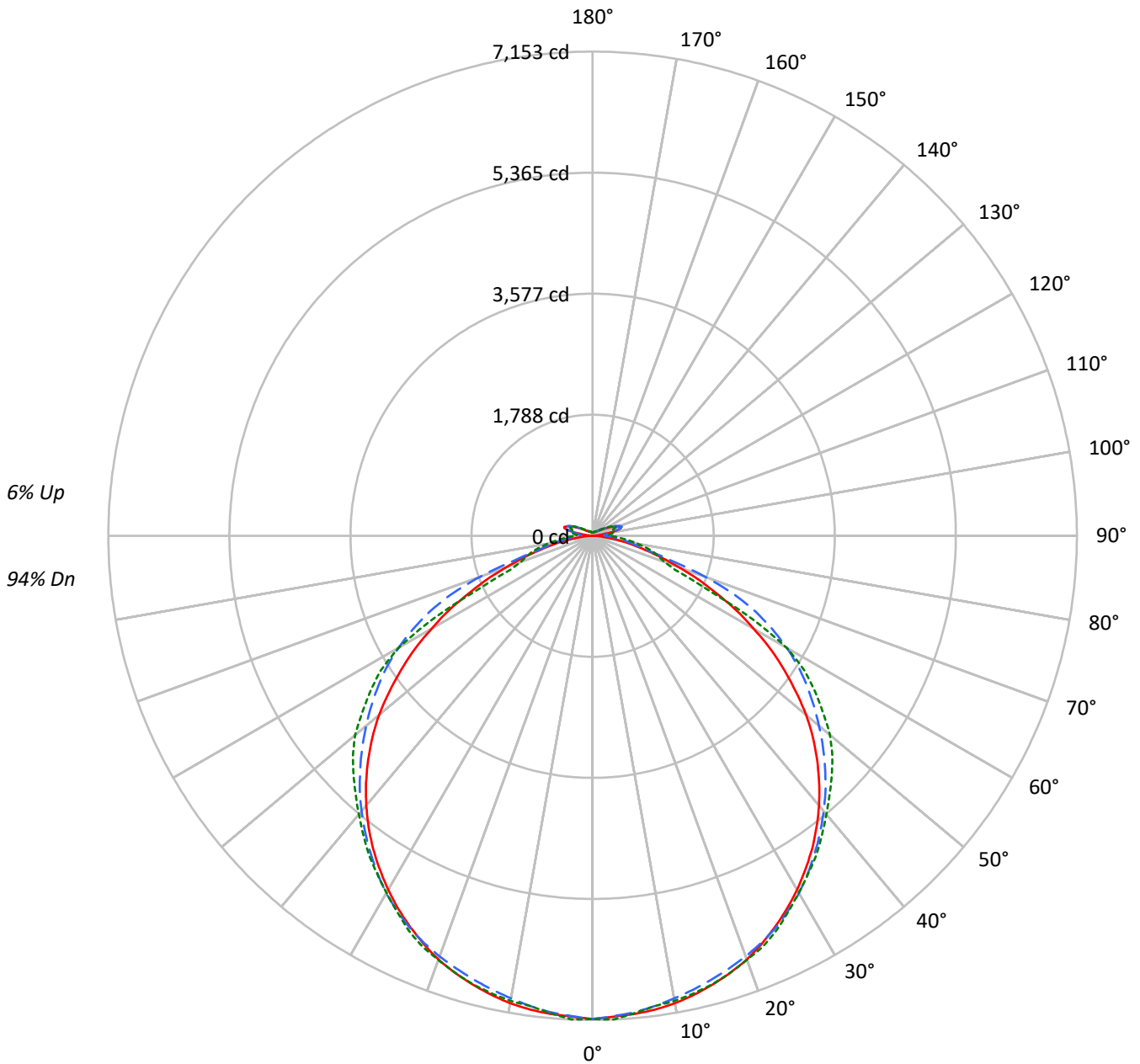
Lumens per Lamp: N/A
Luminaire Lumens: 21215.3 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
Input Voltage (V): NR
Input Current (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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11290	11290	11290
5°	11169	11126	11196
10°	11081	10957	11119
15°	10963	10831	11092
20°	10845	10752	11043
25°	10664	10672	10997
30°	10469	10546	10843
35°	10244	10346	10787
40°	9966	10140	10694
45°	9599	9900	10697
50°	9121	9629	10698
55°	8403	9361	10399
60°	7487	8969	9730
65°	6323	8242	6264
70°	4984	6434	4640
75°	3618	3820	4863
80°	2385	3175	4903
85°	1209	2910	5156



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.1	3.2
10°-20°	1930.2	9.1
20°-30°	2948.0	13.9
30°-40°	3577.0	16.9
40°-50°	3749.0	17.7
50°-60°	3397.2	16.0
60°-70°	2277.7	10.7
70°-80°	1022.8	4.8
80°-90°	373.8	1.8
90°-100°	210.9	1.0
100°-110°	397.7	1.9
110°-120°	322.7	1.5
120°-130°	156.6	0.7
130°-140°	81.0	0.4
140°-150°	48.1	0.2
150°-160°	29.1	0.1
160°-170°	15.7	0.1
170°-180°	4.8	0.0
0°-30°	5551.4	26.2
0°-40°	9128.3	43.0
0°-60°	16274.5	76.7
0°-90°	19948.7	94.0
90°-120°	931.2	4.4
90°-150°	1216.9	5.7
90°-180°	1267.0	6.0
0°-180°	21215.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7139	7139	7139	7139	7139	
5°	7092	7117	7068	7089	7080	675
15°	6862	6835	6787	6847	6855	1937
25°	6375	6347	6392	6450	6432	2939
35°	5650	5664	5722	5782	5760	3532
45°	4689	4766	4854	4978	4994	3612
55°	3451	3617	3864	4018	4009	3080
65°	2025	2342	2659	2244	1832	2018
75°	797	1156	851	870	927	871
85°	137	263	338	408	427	167
90°	4	103	194	245	258	10
95°	22	103	191	242	261	70
105°	435	450	422	329	311	412
115°	308	312	331	336	334	308
125°	154	161	174	176	178	144
135°	94	98	102	108	109	75
145°	72	74	75	77	79	46
155°	60	62	63	64	63	28
165°	55	55	56	56	56	15
175°	50	50	50	48	48	5
180°	49	49	49	49	49	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7138.8	7138.8	7138.8	7138.8	<i>7138.8</i>
2.5°	<i>7109.9</i>	<i>7139.8</i>	<i>7102.7</i>	<i>7142.9</i>	<i>7153.2</i>
5°	7092.3	7117.2	7067.6	7089.3	<i>7080.0</i>
7.5°	7060.3	7068.7	7009.8	7027.3	<i>7008.8</i>
10°	7012.9	7008.8	6939.6	6973.7	<i>6977.8</i>
12.5°	6942.7	6930.3	6868.4	6920.0	<i>6921.0</i>
15°	6862.2	6835.3	6786.8	6846.7	<i>6854.9</i>
17.5°	6769.3	6734.2	6702.2	6779.6	<i>6767.2</i>
20°	6660.9	6619.6	6613.4	6698.1	<i>6667.1</i>
22.5°	6526.8	6494.8	6509.2	6589.7	<i>6570.1</i>
25°	6375.0	6347.1	6391.5	6450.3	<i>6431.8</i>
27.5°	6215.0	6198.5	6249.1	6294.5	<i>6258.3</i>
30°	6039.5	6030.2	6097.3	6134.5	<i>6089.1</i>
32.5°	5848.6	5851.7	5915.7	5966.2	<i>5923.9</i>
35°	5650.3	5663.8	5721.6	5782.5	<i>5759.8</i>
37.5°	5432.6	5462.5	5520.3	5589.4	<i>5565.8</i>
40°	5202.4	5245.8	5309.8	5393.3	<i>5371.7</i>
42.5°	4953.6	5008.3	5090.9	5183.8	<i>5181.8</i>
45°	4689.3	4765.8	4854.5	4978.4	<i>4993.8</i>
47.5°	4414.8	4500.5	4613.0	4778.2	<i>4801.9</i>
50°	4116.5	4223.8	4364.3	4562.4	<i>4576.8</i>
52.5°	3784.1	3930.7	4116.5	4306.4	<i>4288.8</i>
55°	3450.7	3616.9	3863.6	4018.4	<i>4009.2</i>
57.5°	3118.3	3305.2	3604.5	3714.9	<i>3713.9</i>
60°	2746.8	2983.1	3310.3	3393.9	<i>3311.3</i>
62.5°	2403.0	2656.9	2996.5	2935.7	<i>2652.8</i>
65°	2025.3	2342.1	2659.0	2244.0	<i>1832.2</i>
67.5°	1689.8	2020.1	2258.5	1537.0	<i>1316.1</i>
70°	1352.2	1716.6	1761.0	1140.6	<i>1125.1</i>
72.5°	1052.8	1441.0	1214.9	976.5	<i>1026.0</i>
75°	796.8	1156.1	850.6	870.2	<i>926.9</i>
77.5°	581.2	887.7	661.7	762.8	<i>809.2</i>
80°	399.5	628.6	539.8	641.0	<i>673.0</i>
82.5°	250.8	414.9	432.5	516.1	<i>549.2</i>
85°	137.2	263.2	337.5	407.8	<i>427.3</i>
87.5°	56.8	159.0	258.1	314.8	<i>331.3</i>
90°	3.5	102.8	194.4	244.7	<i>258.3</i>
92.5°	8.5	86.2	174.1	221.5	<i>232.9</i>
95°	21.8	103.0	191.4	242.2	<i>261.3</i>
97.5°	114.6	165.8	238.5	284.1	<i>296.6</i>
100°	233.1	283.7	289.4	316.2	<i>323.4</i>
102.5°	370.0	389.8	333.5	323.0	<i>321.9</i>
105°	435.0	449.6	422.2	328.8	<i>311.0</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	355.6	365.2	383.4	379.4	367.2
115°	308.2	312.4	330.8	336.5	333.6
117.5°	259.9	265.3	283.3	287.0	287.4
120°	219.1	225.1	240.3	242.0	243.1
122.5°	185.8	189.9	203.8	206.4	208.3
125°	153.9	160.8	174.4	175.8	177.8
127.5°	130.8	135.8	149.8	152.1	153.2
130°	114.9	119.2	128.6	133.6	133.6
132.5°	104.2	107.8	114.2	119.2	120.1
135°	94.2	97.8	102.2	108.2	109.2
137.5°	88.7	90.3	92.8	98.8	100.7
140°	82.0	84.5	85.1	90.1	91.1
142.5°	75.9	78.7	79.2	83.3	85.1
145°	71.8	74.5	75.3	77.2	79.1
147.5°	68.7	70.3	72.0	72.0	73.8
150°	66.2	67.0	67.8	68.7	68.7
152.5°	62.8	63.7	64.5	65.3	65.3
155°	60.3	62.2	63.0	63.8	62.8
157.5°	57.8	60.5	60.5	61.3	61.3
160°	56.2	58.0	58.8	58.8	58.8
162.5°	55.5	56.3	56.3	57.2	57.2
165°	54.7	54.7	55.5	55.5	55.5
167.5°	53.0	54.1	53.8	53.8	53.8
170°	52.2	52.2	52.2	52.0	52.0
172.5°	51.3	51.3	51.3	50.3	50.3
175°	50.5	50.5	49.5	48.4	48.4
177.5°	50.8	50.5	49.5	48.4	47.4
180°	48.7	48.7	48.7	48.7	48.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	438.5	454.6	451.4	371.8	320.5
110°	402.8	419.0	426.5	401.6	361.2



(END OF REPORT)