

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: P828037

Luminaire Tested: **OHBL-24HE-N-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828037
REPORT IS A COMBINATION OF REPORTS P826242 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-N-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

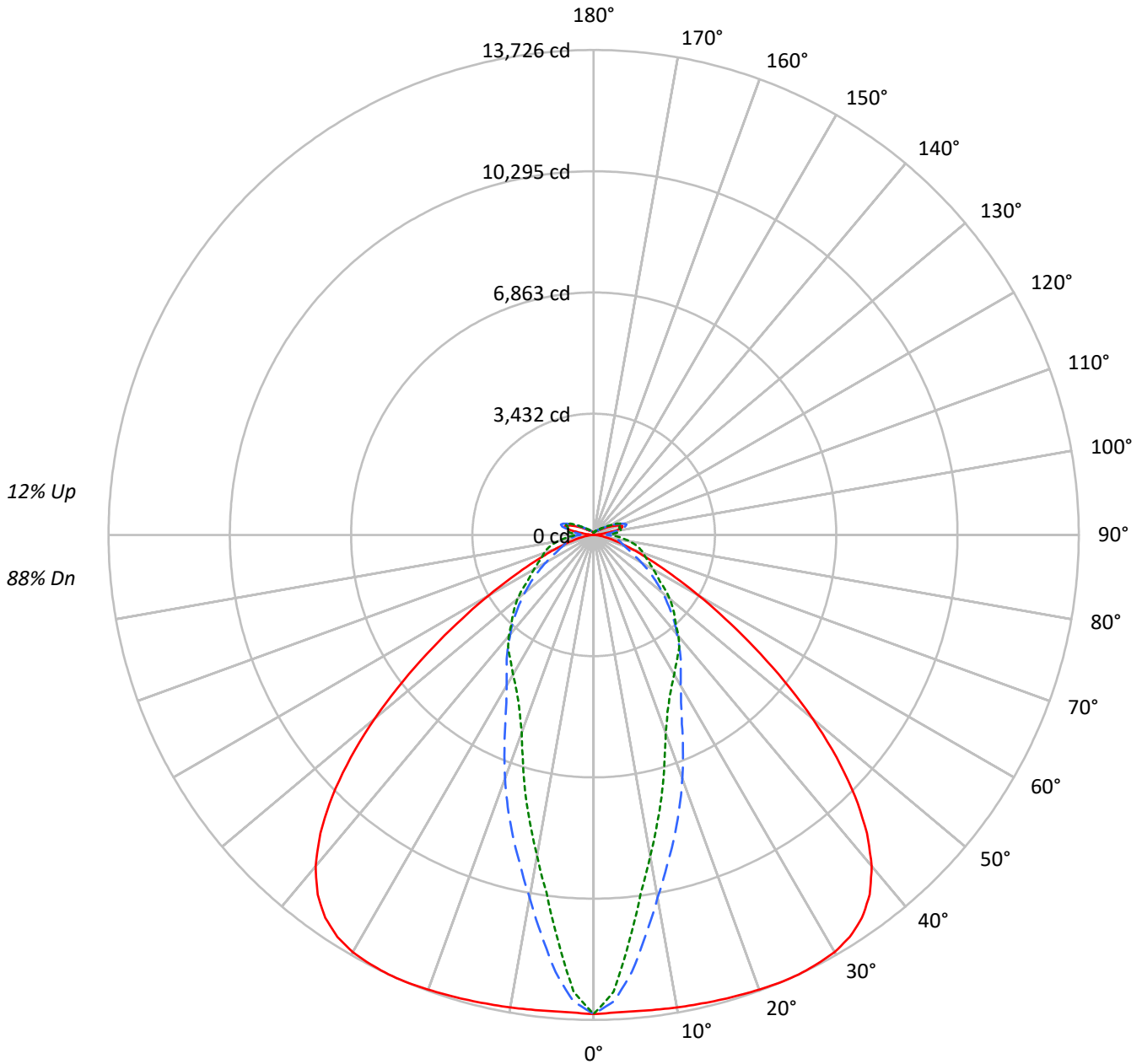
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22029.4 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 150.4
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	90	87	87	84	82	81	79	78	75																			
2	98	91	85	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	70	65	61	66	62	59	56																			
4	84	73	65	59	80	71	63	58	67	61	56	63	58	54	60	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	39	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	41	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	30																			
10	56	43	36	31	54	42	36	31	41	34	30	39	33	30	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21444	21444	21444
5°	21310	19537	18245
10°	21460	16464	14701
15°	21785	14088	12127
20°	22297	11917	9859
25°	22960	9869	8685
30°	23634	8507	8115
35°	23994	7757	7780
40°	23441	7011	7433
45°	21416	6340	6936
50°	17923	5606	6570
55°	13488	4915	5912
60°	9339	4220	5738
65°	6184	3640	5718
70°	4134	3423	6148
75°	2778	3541	6812
80°	1810	3940	7456
85°	944	4973	8891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.4	5.2
10°-20°	2685.1	12.2
20°-30°	3365.8	15.3
30°-40°	3571.5	16.2
40°-50°	3229.2	14.7
50°-60°	2341.4	10.6
60°-70°	1469.3	6.7
70°-80°	972.4	4.4
80°-90°	565.3	2.6
90°-100°	464.6	2.1
100°-110°	858.1	3.9
110°-120°	691.0	3.1
120°-130°	332.0	1.5
130°-140°	163.9	0.7
140°-150°	94.1	0.4
150°-160°	52.8	0.2
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	7192.4	32.6
0°-40°	10763.9	48.9
0°-60°	16334.4	74.1
0°-90°	19341.4	87.8
90°-120°	2013.7	9.1
90°-150°	2603.7	11.8
90°-180°	2688.0	12.2
0°-180°	22029.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13560	13560	13560	13560	13560	
5°	13532	13185	12411	11835	11537	###
15°	13636	11114	8827	7850	7494	3867
25°	13726	8594	5911	5246	5080	6341
35°	13234	5713	4290	4156	4154	8227
45°	10462	3619	3109	3184	3238	7970
55°	5539	2243	2029	2200	2279	5005
65°	1981	1301	1174	1505	1672	2061
75°	612	701	788	1225	1298	682
85°	107	290	577	803	737	128
90°	4	150	373	523	532	10
95°	49	178	438	590	633	142
105°	846	883	918	785	752	804
115°	591	622	727	762	760	596
125°	297	317	376	395	391	278
135°	180	186	208	228	230	142
145°	136	141	146	157	157	86
155°	112	118	121	123	120	50
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13559.5	13559.5	13559.5	13559.5	13559.5
2.5°	13531.2	13453.8	13212.4	13065.2	12941.4
5°	13532.4	13185.2	12411.0	11835.4	11537.3
7.5°	13551.8	12780.1	11385.0	10544.8	10217.1
10°	13581.5	12278.1	10427.4	9531.8	9225.9
12.5°	13603.4	11712.8	9584.8	8664.6	8329.1
15°	13635.7	11114.0	8827.2	7850.2	7494.1
17.5°	13665.3	10550.0	8078.7	7057.9	6661.7
20°	13695.0	9942.2	7330.2	6278.4	5951.9
22.5°	13723.4	9300.8	6599.8	5673.2	5449.9
25°	13726.0	8593.6	5910.6	5246.0	5079.5
27.5°	13692.5	7860.6	5351.8	4888.5	4785.2
30°	13634.4	7149.5	4918.2	4630.4	4556.8
32.5°	13489.8	6424.3	4582.7	4381.3	4338.8
35°	13234.3	5713.2	4289.7	4155.5	4154.2
37.5°	12831.7	5082.1	3972.2	3949.0	3977.4
40°	12236.8	4529.8	3671.5	3733.5	3733.5
42.5°	11443.1	4049.7	3399.2	3462.5	3445.7
45°	10462.3	3618.7	3108.8	3183.8	3237.9
47.5°	9325.3	3239.2	2812.1	2956.6	3031.4
50°	8089.0	2877.8	2541.1	2725.6	2810.8
52.5°	6793.3	2543.6	2276.5	2488.2	2556.5
55°	5538.9	2242.9	2028.7	2200.3	2279.1
57.5°	4403.2	1956.4	1786.1	1948.7	2111.3
60°	3426.3	1709.9	1557.7	1789.9	1952.6
62.5°	2617.2	1490.6	1343.4	1641.6	1804.2
65°	1980.9	1300.8	1174.4	1504.8	1672.5
67.5°	1493.2	1136.9	1042.8	1405.4	1569.2
70°	1121.5	978.3	936.9	1343.4	1490.6
72.5°	828.5	832.4	853.0	1289.2	1401.5
75°	611.8	700.8	788.5	1224.7	1298.3
77.5°	437.5	580.8	730.4	1147.2	1173.1
80°	303.2	473.6	669.8	1045.3	1023.4
82.5°	189.7	379.4	615.6	933.1	872.4
85°	107.1	290.3	576.8	802.7	736.9
87.5°	47.8	216.8	504.6	625.9	584.6
90°	4.2	149.7	373.4	522.7	532.4
92.5°	16.8	138.2	368.4	516.0	539.8
95°	49.3	177.7	437.6	590.1	633.2
97.5°	230.6	317.3	537.0	687.5	730.5
100°	467.8	555.4	648.4	758.7	779.1
102.5°	719.8	768.6	748.6	772.7	776.3
105°	846.2	883.4	917.6	784.8	751.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	686.2	727.3	831.3	854.8	834.5
115°	590.8	622.5	727.0	761.5	760.4
117.5°	508.8	529.0	624.0	655.4	657.5
120°	423.8	448.5	533.4	556.3	551.3
122.5°	358.0	378.3	447.8	468.1	461.8
125°	297.2	317.3	376.1	394.6	390.8
127.5°	252.5	265.9	316.8	335.8	333.7
130°	221.7	230.9	270.2	289.2	290.0
132.5°	197.1	205.5	234.6	255.9	255.1
135°	179.6	185.5	208.1	227.8	229.5
137.5°	165.4	171.8	187.1	206.4	206.4
140°	152.9	158.8	170.8	187.9	188.8
142.5°	143.3	148.0	156.5	171.1	171.1
145°	136.3	140.9	146.0	157.2	156.8
147.5°	128.8	134.8	137.7	145.8	144.5
150°	123.0	128.5	131.0	135.8	135.3
152.5°	117.2	122.7	125.2	128.6	127.3
155°	112.2	117.7	120.7	122.8	120.2
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	849.5	895.4	973.7	861.8	769.1
110°	785.8	829.4	923.6	907.2	834.5



(END OF REPORT)