

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: P828028

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828028
REPORT IS A COMBINATION OF REPORTS P826239 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-A-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

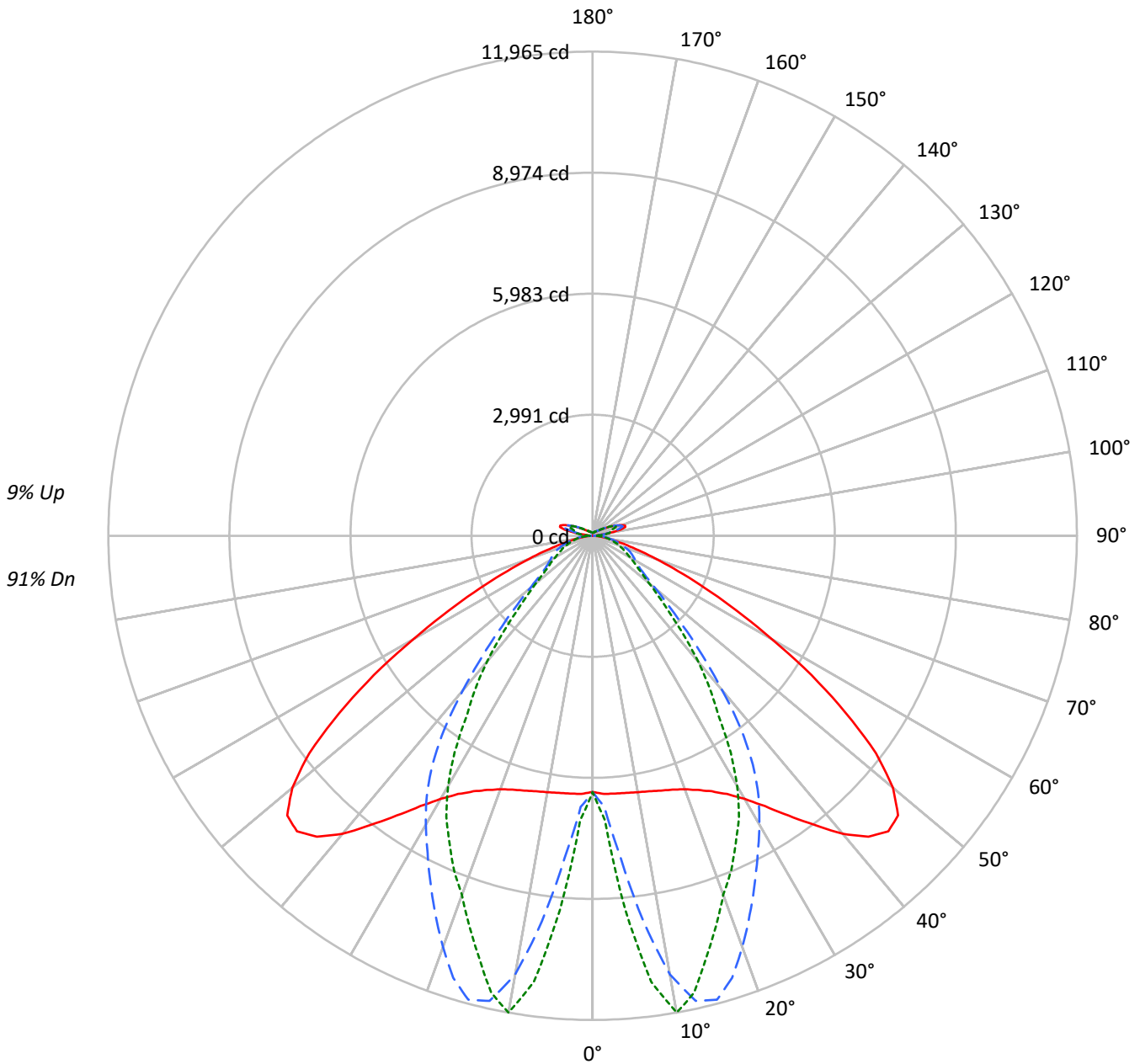
Lumens per Lamp: N/A
Luminaire Lumens: 22334.4 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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				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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	94	91		
1	108	104	101	98	105	101	98	95	96	93	91	90	88	86	85	84	82	82	80		
2	100	93	88	83	97	91	85	81	86	82	78	81	78	75	77	74	72	72	69		
3	93	84	77	71	90	81	75	70	77	72	68	74	69	65	70	66	63	63	61		
4	86	75	68	62	83	74	67	61	70	64	59	67	62	58	64	60	56	56	54		
5	80	68	60	55	77	67	59	54	64	57	53	61	56	51	58	54	50	50	48		
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	54	49	45	45	43		
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	41	41	39		
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	37	35		
9	61	48	41	36	59	47	40	36	46	39	35	44	38	34	42	37	34	34	32		
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	35	31	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10013	10013	10013
5°	10071	12599	14678
10°	10167	17378	19066
15°	10416	18940	17499
20°	10854	17582	15638
25°	11654	15820	14305
30°	13004	14252	12720
35°	15300	12481	10136
40°	18413	9511	8067
45°	21143	6485	5741
50°	21459	4452	4247
55°	18601	3507	3469
60°	13918	3285	3121
65°	9561	3300	2957
70°	6131	3190	2863
75°	3702	2961	2739
80°	2193	2614	2827
85°	1069	2266	2621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.6	3.7
10°-20°	2917.4	13.1
20°-30°	4299.0	19.2
30°-40°	4517.5	20.2
40°-50°	3456.7	15.5
50°-60°	2087.3	9.3
60°-70°	1273.7	5.7
70°-80°	695.2	3.1
80°-90°	249.2	1.1
90°-100°	193.2	0.9
100°-110°	670.8	3.0
110°-120°	575.4	2.6
120°-130°	276.0	1.2
130°-140°	138.1	0.6
140°-150°	80.1	0.4
150°-160°	46.7	0.2
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	8042.9	36.0
0°-40°	12560.5	56.2
0°-60°	18104.5	81.1
0°-90°	20322.7	91.0
90°-120°	1439.3	6.4
90°-150°	1933.5	8.7
90°-180°	2012.0	9.0
0°-180°	22334.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6332	6332	6332	6332	6332	
5°	6395	6861	8004	8937	9282	611
15°	6520	10154	11868	11074	10814	1854
25°	6967	11785	9475	8578	8366	3256
35°	8439	9438	6902	5748	5412	5353
45°	10329	5385	3180	2798	2680	7804
55°	7638	1826	1447	1342	1337	6750
65°	3062	1156	1065	911	865	3138
75°	815	719	660	544	522	938
85°	121	223	263	240	217	150
90°	4	28	39	52	58	10
95°	44	92	143	190	215	137
105°	836	827	703	501	460	793
115°	577	582	582	581	576	582
125°	282	297	302	302	299	264
135°	167	170	176	178	179	132
145°	121	124	127	128	128	77
155°	97	98	100	101	101	45
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°	6331.5	6331.5	6331.5	6331.5	6331.5
2.5°	6383.3	6448.5	6705.3	6972.0	7036.8
5°	6395.0	6860.9	8003.7	8936.8	9281.7
7.5°	6408.6	7529.1	9612.3	10754.8	11120.6
10°	6434.4	8374.0	11006.2	11826.5	11964.7
12.5°	6466.4	9269.2	11773.2	11743.4	11569.1
15°	6519.7	10154.5	11867.8	11074.4	10814.0
17.5°	6575.6	10903.6	11455.6	10346.2	10119.5
20°	6666.5	11459.7	10814.6	9698.9	9441.3
22.5°	6797.7	11765.4	10142.3	9113.6	8945.5
25°	6966.8	11785.2	9474.7	8577.9	8366.2
27.5°	7193.5	11511.8	8834.8	8053.1	7829.4
30°	7501.9	10988.3	8240.2	7420.2	7142.8
32.5°	7920.8	10234.9	7627.1	6656.2	6345.1
35°	8438.9	9437.8	6902.5	5748.3	5412.2
37.5°	9004.2	8552.7	6023.1	4944.3	4748.6
40°	9612.3	7640.7	4980.8	4192.0	4051.9
42.5°	10086.9	6649.2	4012.6	3483.7	3334.6
45°	10328.8	5385.3	3179.6	2797.8	2680.3
47.5°	10234.7	4180.3	2520.7	2223.1	2187.8
50°	9684.8	3086.8	2017.8	1831.3	1816.7
52.5°	8825.2	2300.8	1666.8	1551.4	1526.2
55°	7638.5	1826.2	1447.4	1341.5	1337.4
57.5°	6413.2	1551.4	1313.8	1231.8	1203.3
60°	5106.2	1383.3	1212.5	1119.9	1062.2
62.5°	4002.5	1265.8	1138.2	1012.4	958.4
65°	3062.3	1156.1	1064.8	911.2	864.8
67.5°	2282.8	1051.5	975.2	804.8	777.6
70°	1663.3	944.3	873.2	715.7	694.2
72.5°	1185.4	837.3	771.1	632.1	608.4
75°	815.3	718.9	659.5	544.1	522.1
77.5°	550.1	598.1	549.5	464.6	455.3
80°	367.3	474.3	444.4	393.7	388.0
82.5°	222.9	344.3	350.8	320.1	304.7
85°	121.3	222.9	262.8	239.5	217.2
87.5°	47.5	123.5	181.1	162.7	153.2
90°	4.2	28.3	39.2	51.7	57.5
92.5°	14.2	37.5	60.0	85.0	95.8
95°	44.2	92.5	143.3	190.0	215.0
97.5°	224.2	242.5	260.8	315.8	343.3
100°	460.0	488.3	394.2	416.7	424.2
102.5°	710.8	706.7	515.0	461.7	455.0
105°	835.8	826.7	703.3	500.8	460.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	673.3	683.3	670.0	650.8	624.2
115°	576.7	582.5	582.5	580.8	575.8
117.5°	493.3	494.2	497.5	496.7	497.5
120°	408.3	417.5	425.0	420.8	415.8
122.5°	342.5	352.5	357.5	355.8	350.8
125°	281.7	296.7	302.5	301.7	299.2
127.5°	238.3	249.2	257.5	258.3	257.5
130°	207.5	214.2	222.5	223.3	224.2
132.5°	184.2	190.0	195.8	199.2	198.3
135°	166.7	170.0	175.8	177.5	179.2
137.5°	152.5	155.0	160.0	162.5	162.5
140°	140.0	143.3	147.5	149.2	150.0
142.5°	129.2	132.5	135.8	137.5	137.5
145°	120.8	124.2	126.7	127.5	128.3
147.5°	113.3	116.7	118.3	120.0	120.0
150°	107.5	109.2	111.7	112.5	113.3
152.5°	101.7	103.3	105.8	106.7	106.7
155°	96.7	98.3	100.0	100.8	100.8
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°	839.2	842.5	777.5	607.5	505.8
110°	774.2	781.7	744.2	680.0	598.3



(END OF REPORT)