

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: P827742

Luminaire Tested: **OHBL-24HE-W-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827742
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-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

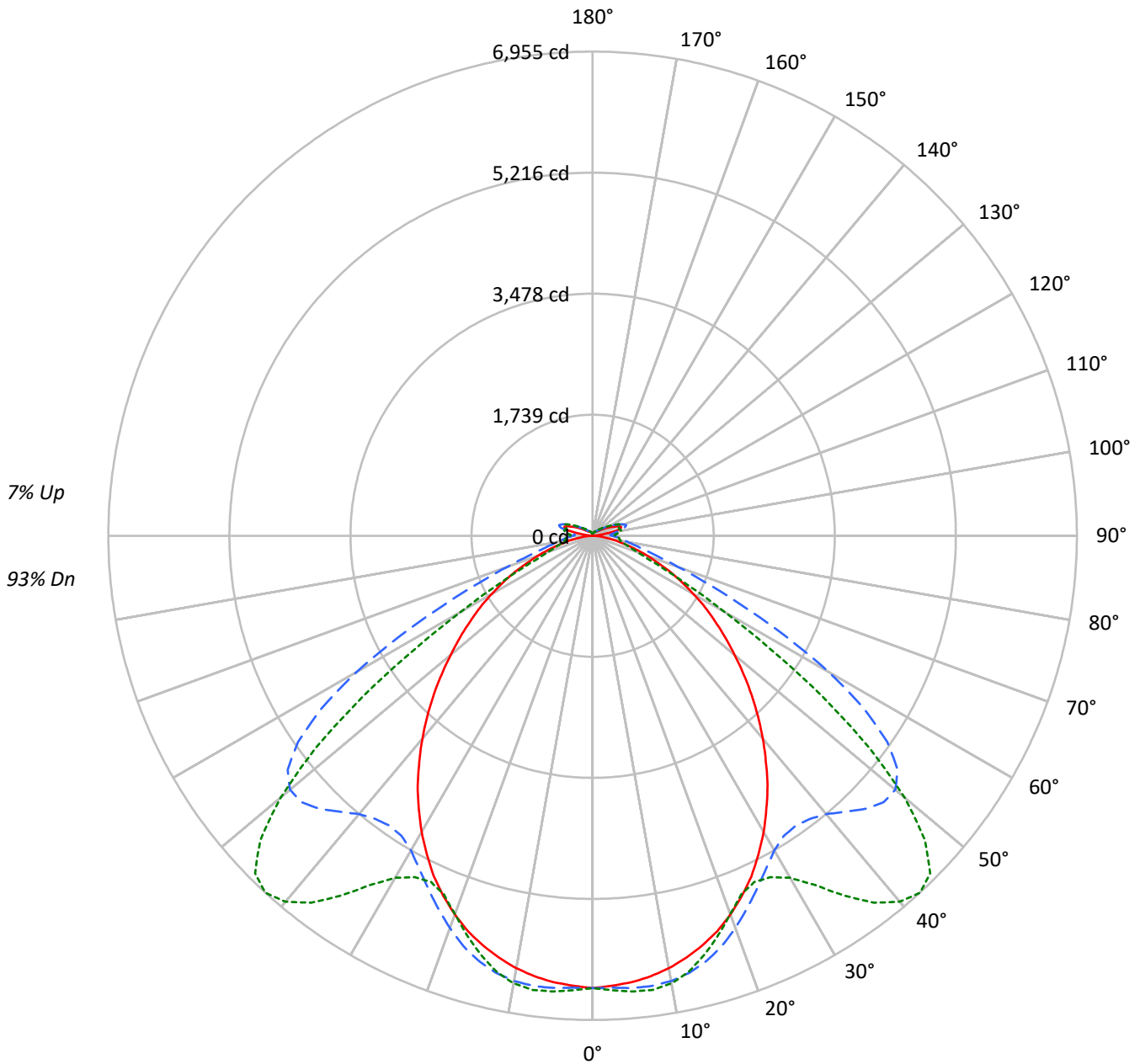
Lumens per Lamp: N/A
Luminaire Lumens: 20459.1 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
Input Voltage (V): NR
Input Current (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				
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	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	81	81	81	79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	69	69	69	66
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	58	58	58	56
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	50	50	50	48
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	43	43	43	41
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	38	38	38	36
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	33	33	33	31
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	30	30	30	28
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	27	27	27	25
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10275	10275	10275
5°	10136	10265	10392
10°	9966	10254	10404
15°	9730	10089	10070
20°	9423	9747	9577
25°	9027	9331	9385
30°	8516	9024	10099
35°	7942	9195	11818
40°	7284	9965	13662
45°	6602	11312	14685
50°	5895	12518	13666
55°	5229	12514	10442
60°	4554	10599	6384
65°	3847	7329	3867
70°	3059	4748	2792
75°	2253	3411	2589
80°	1532	3010	2921
85°	927	3335	4617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.8	3.0
10°-20°	1758.0	8.6
20°-30°	2572.6	12.6
30°-40°	3341.0	16.3
40°-50°	4079.8	19.9
50°-60°	3592.9	17.6
60°-70°	1872.3	9.2
70°-80°	802.9	3.9
80°-90°	388.1	1.9
90°-100°	277.3	1.4
100°-110°	447.2	2.2
110°-120°	354.0	1.7
120°-130°	173.9	0.9
130°-140°	87.1	0.4
140°-150°	48.8	0.2
150°-160°	26.4	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	4951.5	24.2
0°-40°	8292.5	40.5
0°-60°	15965.3	78.0
0°-90°	19028.6	93.0
90°-120°	1078.5	5.3
90°-150°	1388.2	6.8
90°-180°	1431.0	7.0
0°-180°	20459.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6497	6497	6497	6497	6497	
5°	6436	6486	6521	6578	6571	610
15°	6090	6261	6322	6274	6223	1715
25°	5396	5685	5588	5483	5489	2477
35°	4380	4843	5085	5930	6310	2730
45°	3225	4058	5546	6716	6856	2487
55°	2147	3555	5165	4529	4026	1927
65°	1232	2463	2365	1315	1131	1219
75°	496	1152	760	520	493	541
85°	105	411	387	378	383	117
90°	4	163	274	317	327	9
95°	23	134	273	332	354	69
105°	424	462	484	408	391	401
115°	299	319	373	389	387	300
125°	152	162	199	211	213	141
135°	91	93	110	127	128	72
145°	72	71	73	82	86	45
155°	60	60	58	59	59	26
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6496.8	6496.8	6496.8	6496.8	6496.8
2.5°	6468.8	6496.8	6498.2	6537.5	6533.3
5°	6436.5	6485.6	6520.6	6578.1	6571.1
7.5°	6383.2	6460.4	6522.0	6585.1	6579.5
10°	6307.6	6412.7	6494.0	6545.9	6529.1
12.5°	6209.5	6348.2	6428.1	6439.3	6407.1
15°	6090.3	6261.4	6321.6	6274.0	6223.4
17.5°	5955.7	6156.2	6177.2	6073.5	6010.4
20°	5787.5	6016.0	5995.0	5852.0	5781.9
22.5°	5601.1	5861.9	5794.5	5644.6	5577.3
25°	5396.5	5685.3	5588.5	5483.4	5489.0
27.5°	5156.8	5484.8	5390.9	5438.5	5528.2
30°	4912.9	5274.5	5217.1	5494.6	5671.2
32.5°	4645.2	5058.6	5110.5	5658.6	5947.3
35°	4380.3	4842.8	5085.3	5930.5	6310.3
37.5°	4087.3	4624.2	5126.0	6244.5	6642.6
40°	3802.7	4411.1	5218.4	6526.2	6862.7
42.5°	3512.6	4220.5	5374.0	6693.0	6955.1
45°	3225.2	4057.8	5546.5	6715.5	6855.6
47.5°	2937.9	3920.5	5665.6	6537.5	6473.0
50°	2660.4	3798.5	5674.0	6109.9	5846.4
52.5°	2401.1	3686.4	5519.8	5428.7	5019.4
55°	2147.3	3554.6	5165.2	4528.8	4025.7
57.5°	1916.1	3372.4	4618.6	3561.7	3012.2
60°	1670.8	3125.7	3912.1	2605.7	2172.6
62.5°	1445.1	2818.8	3120.2	1813.7	1561.5
65°	1232.1	2462.7	2364.6	1314.8	1131.2
67.5°	1006.4	2094.1	1745.1	958.8	841.0
70°	829.8	1752.1	1299.4	745.7	677.0
72.5°	649.0	1427.0	971.4	605.5	567.7
75°	496.2	1152.2	759.7	520.0	493.4
77.5°	365.9	911.1	611.1	459.8	434.6
80°	256.5	717.6	511.6	410.7	400.9
82.5°	172.4	555.1	435.9	391.1	392.4
85°	105.2	410.7	386.9	378.5	382.7
87.5°	50.4	291.6	332.2	344.8	349.0
90°	3.8	163.1	274.5	316.6	326.9
92.5°	7.3	132.2	254.9	304.3	315.4
95°	23.0	133.8	272.7	332.1	353.6
97.5°	112.0	190.3	316.4	377.1	389.4
100°	227.3	301.8	362.2	406.2	414.4
102.5°	359.1	404.7	401.2	407.8	406.6
105°	423.5	462.1	484.2	408.1	390.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	346.3	373.9	430.4	437.1	426.2
115°	299.4	319.0	373.1	388.9	386.9
117.5°	253.9	272.6	321.2	335.6	335.5
120°	214.3	230.4	272.7	286.2	287.6
122.5°	182.0	193.0	233.3	246.3	248.5
125°	152.0	161.9	198.8	211.2	213.4
127.5°	127.2	133.5	170.0	183.2	184.6
130°	111.9	115.1	144.4	159.2	162.0
132.5°	100.6	103.0	125.9	140.6	144.3
135°	90.9	93.3	110.5	126.7	128.2
137.5°	84.4	86.0	98.2	113.1	116.7
140°	77.9	80.3	87.5	102.4	103.8
142.5°	74.4	74.7	80.5	92.6	94.7
145°	71.9	70.6	72.8	82.0	85.7
147.5°	67.8	68.0	69.6	75.3	77.4
150°	65.4	66.2	64.2	67.8	70.6
152.5°	62.2	63.0	60.9	61.8	64.6
155°	59.7	60.5	58.5	59.3	59.3
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	427.4	465.4	506.6	443.0	394.1
110°	391.8	428.3	476.4	465.7	427.2



(END OF REPORT)