

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: P827549

Luminaire Tested: **OHB-18HE-A-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827549
REPORT IS A COMBINATION OF REPORTS P826191 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: OHB-18HE-A-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

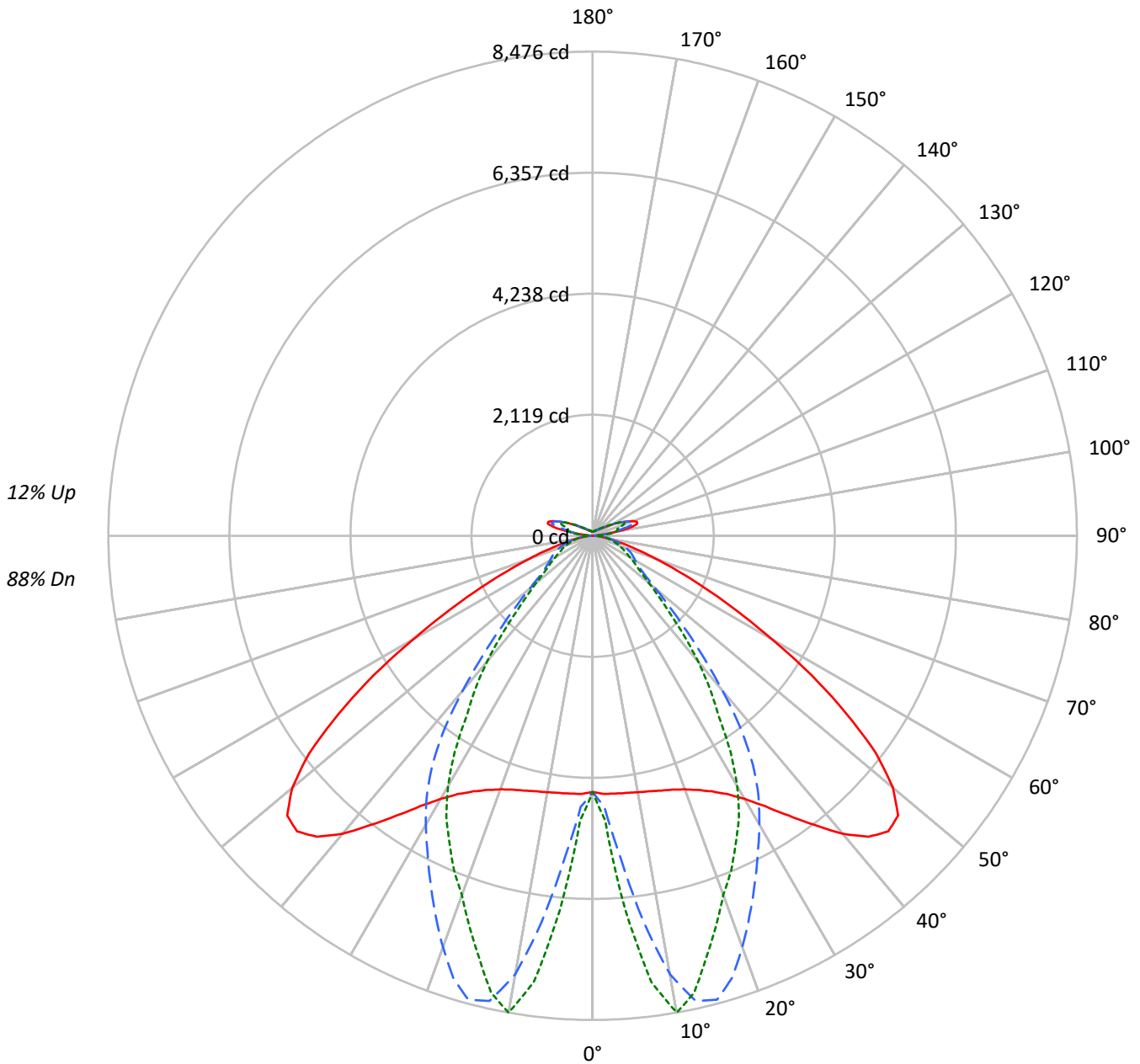
Lumens per Lamp: N/A
Luminaire Lumens: 16350.4 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88			88
1	108	104	100	97	104	100	97	94	94	91	89	88	86	84	83	81	80	77			77
2	100	93	87	82	96	90	85	80	84	80	77	79	76	73	75	72	70	67			67
3	92	83	76	70	89	81	74	69	76	71	66	72	67	64	68	64	61	59			59
4	85	75	67	61	82	73	66	60	69	63	58	65	60	56	62	58	54	52			52
5	79	68	60	54	76	66	59	53	63	56	52	59	54	50	57	52	49	46			46
6	73	62	54	48	71	60	53	47	57	51	46	55	49	45	52	47	44	41			41
7	68	56	49	43	66	55	48	43	53	46	41	50	45	40	48	43	39	37			37
8	64	52	44	39	62	51	43	38	48	42	38	46	41	37	44	39	36	34			34
9	60	48	40	35	58	47	40	35	45	39	34	43	37	33	41	36	33	31			31
10	56	44	37	32	55	43	37	32	42	35	31	40	34	31	38	34	30	28			28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14984	14984	14984
5°	15060	18797	21885
10°	15194	25849	28322
15°	15557	28086	25897
20°	16200	25990	23054
25°	17382	23309	21002
30°	19382	20927	18593
35°	22785	18258	14746
40°	27397	13856	11673
45°	31426	9403	8259
50°	31860	6421	6065
55°	27577	5027	4913
60°	20600	4673	4374
65°	14120	4650	4087
70°	9028	4437	3884
75°	5429	4043	3612
80°	3195	3467	3550
85°	1538	2849	2971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.6	3.6
10°-20°	2066.8	12.6
20°-30°	3045.6	18.6
30°-40°	3200.5	19.6
40°-50°	2448.9	15.0
50°-60°	1478.8	9.0
60°-70°	902.4	5.5
70°-80°	492.5	3.0
80°-90°	177.9	1.1
90°-100°	187.4	1.1
100°-110°	650.6	4.0
110°-120°	558.1	3.4
120°-130°	267.8	1.6
130°-140°	134.0	0.8
140°-150°	77.7	0.5
150°-160°	45.3	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	5698.0	34.8
0°-40°	8898.5	54.4
0°-60°	12826.2	78.4
0°-90°	14399.0	88.1
90°-120°	1396.2	8.5
90°-150°	1875.5	11.5
90°-180°	1951.0	11.9
0°-180°	16350.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4486	4486	4486	4486	4486	
5°	4530	4861	5670	6331	6576	433
15°	4619	7194	8408	7846	7661	1313
25°	4936	8349	6712	6077	5927	2307
35°	5979	6686	4890	4072	3834	3793
45°	7318	3815	2253	1982	1899	5529
55°	5412	1294	1025	950	948	4782
65°	2170	819	754	646	613	2223
75°	578	509	467	386	370	665
85°	86	158	186	170	154	106
90°	4	28	38	50	56	8
95°	43	90	139	184	209	133
105°	811	802	682	486	446	769
115°	559	565	565	563	559	564
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4485.5	4485.5	4485.5	4485.5	4485.5
2.5°	4522.3	4568.5	4750.4	4939.3	4985.3
5°	4530.5	4860.7	5670.2	6331.4	6575.6
7.5°	4540.2	5334.0	6809.9	7619.3	7878.4
10°	4558.4	5932.6	7797.4	8378.5	8476.4
12.5°	4581.1	6566.7	8340.8	8319.6	8196.2
15°	4618.8	7194.0	8407.7	7845.7	7661.2
17.5°	4658.5	7724.7	8115.7	7329.8	7169.2
20°	4722.9	8118.7	7661.6	6871.2	6688.7
22.5°	4815.8	8335.2	7185.4	6456.6	6337.5
25°	4935.7	8349.3	6712.4	6077.0	5927.0
27.5°	5096.3	8155.6	6259.0	5705.2	5546.8
30°	5314.8	7784.7	5837.8	5256.9	5060.3
32.5°	5611.5	7250.9	5403.5	4715.6	4495.1
35°	5978.6	6686.2	4890.1	4072.4	3834.2
37.5°	6379.0	6059.2	4267.0	3502.8	3364.2
40°	6809.9	5413.1	3528.6	2969.8	2870.6
42.5°	7146.2	4710.6	2842.7	2468.0	2362.4
45°	7317.5	3815.3	2252.6	1982.1	1898.9
47.5°	7250.8	2961.6	1785.8	1575.0	1550.0
50°	6861.2	2186.8	1429.5	1297.4	1287.0
52.5°	6252.3	1629.9	1180.8	1099.1	1081.2
55°	5411.5	1293.7	1025.4	950.4	947.5
57.5°	4543.5	1099.1	930.8	872.7	852.5
60°	3617.5	980.0	859.0	793.5	752.5
62.5°	2835.6	896.8	806.3	717.2	679.0
65°	2169.5	819.0	754.4	645.5	612.6
67.5°	1617.2	745.0	690.9	570.1	550.9
70°	1178.3	669.0	618.6	507.1	491.9
72.5°	839.8	593.2	546.3	447.8	431.1
75°	577.6	509.3	467.2	385.5	369.9
77.5°	389.7	423.7	389.3	329.1	322.6
80°	260.3	336.0	314.8	278.9	274.8
82.5°	157.9	243.9	248.5	226.8	215.8
85°	86.0	157.9	186.2	169.7	153.9
87.5°	33.6	87.5	128.3	115.2	108.5
90°	4.0	27.5	38.0	50.1	55.8
92.5°	13.7	36.4	58.2	82.4	93.0
95°	42.8	89.7	139.0	184.3	208.6
97.5°	217.4	235.2	253.0	306.4	333.0
100°	446.2	473.7	382.3	404.2	411.4
102.5°	689.5	685.5	499.6	447.8	441.4
105°	810.8	801.9	682.2	485.8	446.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	653.1	662.8	649.9	631.3	605.4
115°	559.4	565.0	565.0	563.4	558.6
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	814.0	817.2	754.2	589.3	490.7
110°	750.9	758.2	721.8	659.6	580.4



(END OF REPORT)