

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: P827811

Luminaire Tested: **OHBL-48HE-A-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827811
REPORT IS A COMBINATION OF REPORTS P826251 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-48HE-A-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

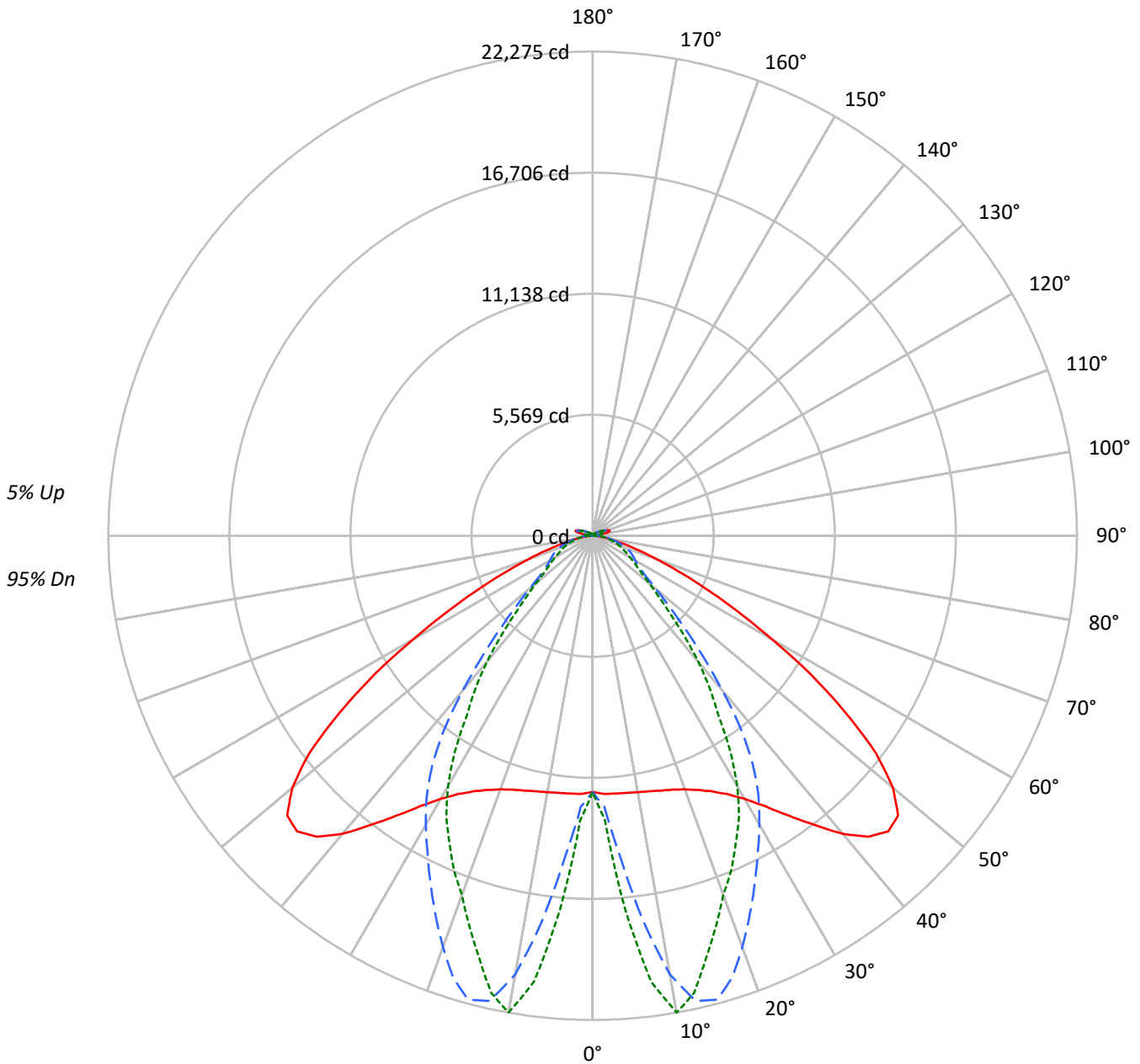
Lumens per Lamp: N/A
Luminaire Lumens: 39782.4 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 283.4
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	80	69	61	55	78	68	60	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	35	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18642	18642	18642
5°	18749	23457	27327
10°	18928	32354	35495
15°	19392	35262	32578
20°	20207	32733	29115
25°	21696	29453	26631
30°	24210	26534	23681
35°	28485	23237	18870
40°	34281	17707	15018
45°	39363	12073	10689
50°	39952	8288	7906
55°	34630	6529	6459
60°	25912	6116	5811
65°	17799	6145	5504
70°	11414	5939	5331
75°	6893	5513	5100
80°	4084	4868	5262
85°	1991	4218	4879



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1538.9	3.9
10°-20°	5431.4	13.7
20°-30°	8003.5	20.1
30°-40°	8410.5	21.1
40°-50°	6435.6	16.2
50°-60°	3886.0	9.8
60°-70°	2371.4	6.0
70°-80°	1294.3	3.3
80°-90°	459.3	1.2
90°-100°	187.4	0.5
100°-110°	650.6	1.6
110°-120°	558.1	1.4
120°-130°	267.8	0.7
130°-140°	134.0	0.3
140°-150°	77.7	0.2
150°-160°	45.3	0.1
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	14973.9	37.6
0°-40°	23384.3	58.8
0°-60°	33705.9	84.7
0°-90°	37831.0	95.1
90°-120°	1396.2	3.5
90°-150°	1875.5	4.7
90°-180°	1951.0	4.9
0°-180°	39782.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11788	11788	11788	11788	11788	
5°	11906	12773	14901	16638	17280	###
15°	12138	18905	22095	20618	20133	3451
25°	12970	21941	17639	15970	15576	6062
35°	15711	17571	12851	10702	10076	9967
45°	19230	10026	5920	5209	4990	14529
55°	14221	3400	2695	2498	2490	12566
65°	5701	2152	1982	1696	1610	5842
75°	1518	1338	1228	1013	972	1747
85°	226	415	489	446	404	279
90°	4	28	38	50	56	15
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°	11787.6	11787.6	11787.6	11787.6	11787.6
2.5°	11884.1	12005.4	12483.7	12980.0	13100.8
5°	11905.9	12773.3	14900.8	16638.1	17280.1
7.5°	11931.2	14017.2	17895.7	20022.7	20703.6
10°	11979.2	15590.2	20490.8	22017.9	22275.1
12.5°	12038.8	17256.8	21918.8	21863.2	21538.6
15°	12137.9	18905.1	22094.7	20617.7	20132.9
17.5°	12242.0	20299.8	21327.4	19262.0	18839.9
20°	12411.3	21334.9	20134.0	18057.0	17577.3
22.5°	12655.5	21904.1	18882.4	16967.2	16654.3
25°	12970.4	21941.0	17639.4	15969.8	15575.6
27.5°	13392.5	21432.0	16448.0	14992.8	14576.3
30°	13966.7	20457.5	15341.0	13814.5	13298.0
32.5°	14746.6	19054.8	14199.7	12392.2	11812.9
35°	15711.1	17570.7	12850.6	10701.8	10076.0
37.5°	16763.5	15922.9	11213.4	9205.1	8840.7
40°	17895.7	14225.0	9272.9	7804.5	7543.7
42.5°	18779.3	12379.0	7470.4	6485.7	6208.2
45°	19229.7	10026.0	5919.6	5208.9	4990.0
47.5°	19054.3	7782.7	4692.8	4138.8	4073.1
50°	18030.7	5746.7	3756.6	3409.4	3382.1
52.5°	16430.3	4283.4	3103.1	2888.3	2841.3
55°	14220.9	3399.8	2694.7	2497.5	2490.0
57.5°	11939.7	2888.3	2446.0	2293.3	2240.2
60°	9506.4	2575.4	2257.4	2085.1	1977.4
62.5°	7451.7	2356.5	2119.0	1884.9	1784.3
65°	5701.2	2152.3	1982.4	1696.4	1610.0
67.5°	4250.0	1957.7	1815.7	1498.2	1447.6
70°	3096.5	1758.0	1625.6	1332.5	1292.5
72.5°	2206.9	1558.9	1435.5	1176.8	1132.8
75°	1518.0	1338.5	1227.8	1013.0	972.0
77.5°	1024.1	1113.6	1023.1	864.8	847.7
80°	683.9	883.0	827.5	732.9	722.3
82.5°	415.0	640.9	653.1	596.0	567.1
85°	225.9	415.0	489.3	445.8	404.4
87.5°	88.4	230.0	337.2	302.8	285.1
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)