

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: P828464

Luminaire Tested: **OHB-18HE-W-UNV-L950-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828464
REPORT IS A COMBINATION OF REPORTS P826196 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-W-UNV-L950-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

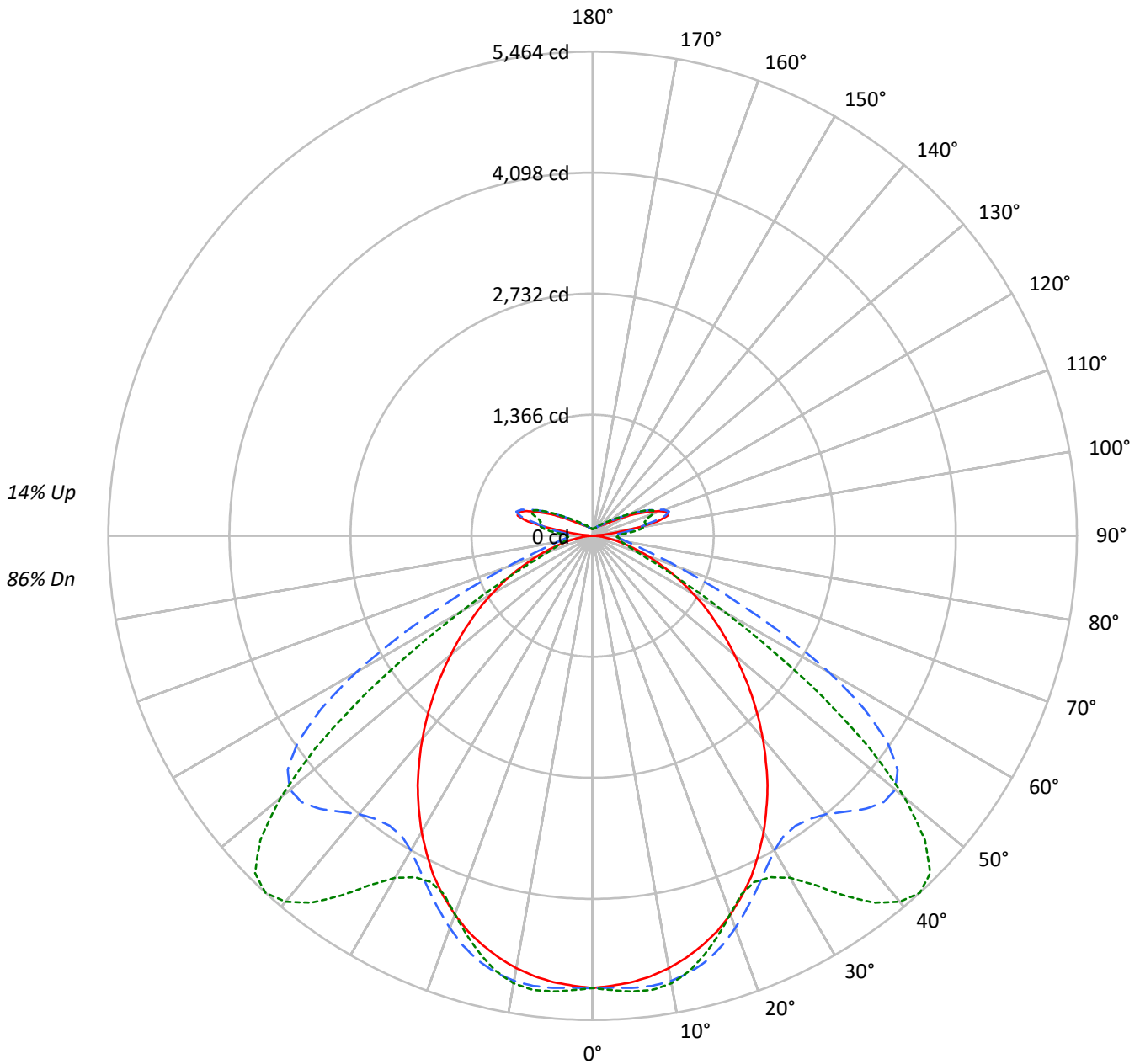
Lumens per Lamp: N/A
Luminaire Lumens: 17385.6 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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									
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	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	106	101	97	94	102	98	94	91	91	88	86	85	83	80	79	77	76	73																			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61																			
3	88	78	70	64	85	75	68	63	71	65	60	66	61	57	62	58	54	52																			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	50	47	44																			
5	74	62	53	46	71	60	52	45	56	49	44	53	47	42	49	44	40	38																			
6	68	55	46	40	65	54	45	39	50	43	38	47	41	37	45	39	35	33																			
7	63	50	41	35	60	48	40	35	46	39	33	43	37	32	40	35	31	29																			
8	59	45	37	31	56	44	36	31	42	35	30	39	33	29	37	32	28	26																			
9	55	41	33	28	52	40	33	27	38	31	27	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17049	17049	17049
5°	16808	16981	17180
10°	16517	16912	17137
15°	16114	16589	16526
20°	15595	15976	15656
25°	14929	15245	15279
30°	14074	14692	16370
35°	13114	14915	19065
40°	12018	16098	21923
45°	10881	18189	23423
50°	9704	20022	21644
55°	8597	19891	16399
60°	7474	16719	9921
65°	6299	11450	5928
70°	4994	7320	4199
75°	3664	5164	3785
80°	2473	4426	4068
85°	1477	4649	5803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.7	2.8
10°-20°	1381.1	7.9
20°-30°	2021.0	11.6
30°-40°	2624.6	15.1
40°-50°	3205.0	18.4
50°-60°	2822.5	16.2
60°-70°	1470.8	8.5
70°-80°	630.7	3.6
80°-90°	308.3	1.8
90°-100°	343.9	2.0
100°-110°	788.3	4.5
110°-120°	652.6	3.8
120°-130°	316.4	1.8
130°-140°	158.4	0.9
140°-150°	90.4	0.5
150°-160°	51.1	0.3
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	3889.7	22.4
0°-40°	6514.4	37.5
0°-60°	12541.9	72.1
0°-90°	14951.7	86.0
90°-120°	1784.8	10.3
90°-150°	2350.0	13.5
90°-180°	2434.0	14.0
0°-180°	17385.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5104	5104	5104	5104	5104	
5°	5056	5095	5122	5168	5162	479
15°	4784	4919	4966	4929	4889	1347
25°	4239	4466	4390	4308	4312	1945
35°	3441	3804	3995	4659	4957	2145
45°	2534	3188	4357	5275	5386	1954
55°	1687	2792	4058	3558	3162	1514
65°	968	1935	1858	1033	889	958
75°	390	905	597	409	388	425
85°	83	323	304	297	301	92
90°	6	146	241	283	295	9
95°	48	165	309	385	417	145
105°	876	901	837	647	606	832
115°	608	630	672	684	681	614
125°	302	321	353	363	362	282
135°	180	184	201	215	218	143
145°	135	136	140	147	150	85
155°	110	111	111	112	112	50
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5103.7	5103.7	5103.7	5103.7	5103.7
2.5°	5081.6	5103.7	5104.8	5135.6	5132.3
5°	5056.3	5094.9	5122.4	5167.5	5162.1
7.5°	5014.5	5075.0	5123.5	5173.1	5168.7
10°	4955.1	5037.6	5101.5	5142.2	5129.0
12.5°	4877.9	4987.0	5049.7	5058.5	5033.2
15°	4784.4	4918.7	4966.1	4928.6	4889.0
17.5°	4678.7	4836.1	4852.6	4771.2	4721.6
20°	4546.5	4726.0	4709.5	4597.2	4542.2
22.5°	4400.1	4604.9	4552.1	4434.3	4381.4
25°	4239.3	4466.2	4390.2	4307.6	4312.0
27.5°	4051.0	4308.7	4234.9	4272.4	4342.8
30°	3859.5	4143.5	4098.4	4316.4	4455.1
32.5°	3649.1	3974.0	4014.7	4445.2	4672.0
35°	3441.0	3804.3	3994.8	4658.8	4957.2
37.5°	3210.9	3632.6	4026.8	4905.5	5218.2
40°	2987.3	3465.3	4099.4	5126.9	5391.1
42.5°	2759.4	3315.5	4221.7	5257.9	5463.8
45°	2533.6	3187.7	4357.1	5275.4	5385.6
47.5°	2307.9	3079.8	4450.7	5135.6	5084.9
50°	2089.9	2984.0	4457.3	4799.8	4592.8
52.5°	1886.3	2895.9	4336.2	4264.6	3943.1
55°	1686.9	2792.5	4057.6	3557.7	3162.4
57.5°	1505.3	2649.3	3628.2	2798.0	2366.3
60°	1312.5	2455.5	3073.2	2047.0	1706.7
62.5°	1135.2	2214.4	2451.1	1424.8	1226.6
65°	967.9	1934.7	1857.6	1032.8	888.6
67.5°	790.6	1645.1	1370.9	753.2	660.7
70°	651.8	1376.4	1020.7	585.8	531.8
72.5°	509.8	1121.0	763.1	475.7	445.9
75°	389.8	905.1	596.8	408.6	387.6
77.5°	287.4	715.7	480.1	361.2	341.3
80°	201.5	563.7	401.9	322.7	314.9
82.5°	135.5	436.0	342.5	307.2	308.3
85°	82.6	322.7	303.9	297.3	300.6
87.5°	39.6	229.0	261.0	270.9	274.1
90°	5.5	146.2	241.3	282.9	294.6
92.5°	14.8	128.3	238.7	293.5	310.3
95°	48.3	164.8	309.2	385.4	417.0
97.5°	236.1	309.2	415.2	501.3	533.3
100°	483.2	557.9	539.0	590.0	601.1
102.5°	744.9	780.2	651.8	620.4	615.7
105°	876.5	901.0	837.3	647.0	606.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	709.1	739.4	771.7	767.1	741.5
115°	608.3	629.7	671.6	684.2	681.2
117.5°	522.4	535.4	575.2	587.6	589.6
120°	433.8	452.1	491.8	500.7	496.6
122.5°	365.1	381.0	415.9	426.3	422.2
125°	301.6	320.6	353.1	363.2	361.7
127.5°	255.3	267.7	300.6	312.5	312.7
130°	223.1	230.1	258.6	270.5	273.5
132.5°	198.8	204.8	226.3	240.8	242.1
135°	180.5	184.0	201.1	214.9	217.8
137.5°	165.7	168.3	181.3	194.8	197.1
140°	152.7	156.2	164.9	177.6	179.6
142.5°	142.5	144.8	151.6	162.2	163.3
145°	134.9	136.2	139.9	147.4	150.4
147.5°	127.0	129.5	131.2	137.3	138.4
150°	120.9	122.7	123.1	126.2	129.3
152.5°	114.9	116.6	117.0	117.9	120.1
155°	109.6	111.4	110.9	111.8	111.8
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	881.0	913.2	903.7	745.0	641.1
110°	813.2	845.3	857.9	808.6	725.6



(END OF REPORT)