

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: P828427

Luminaire Tested: **OHB-15HE-MFL-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828427
REPORT IS A COMBINATION OF REPORTS P826085 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-15HE-MFL-UNV-L950-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

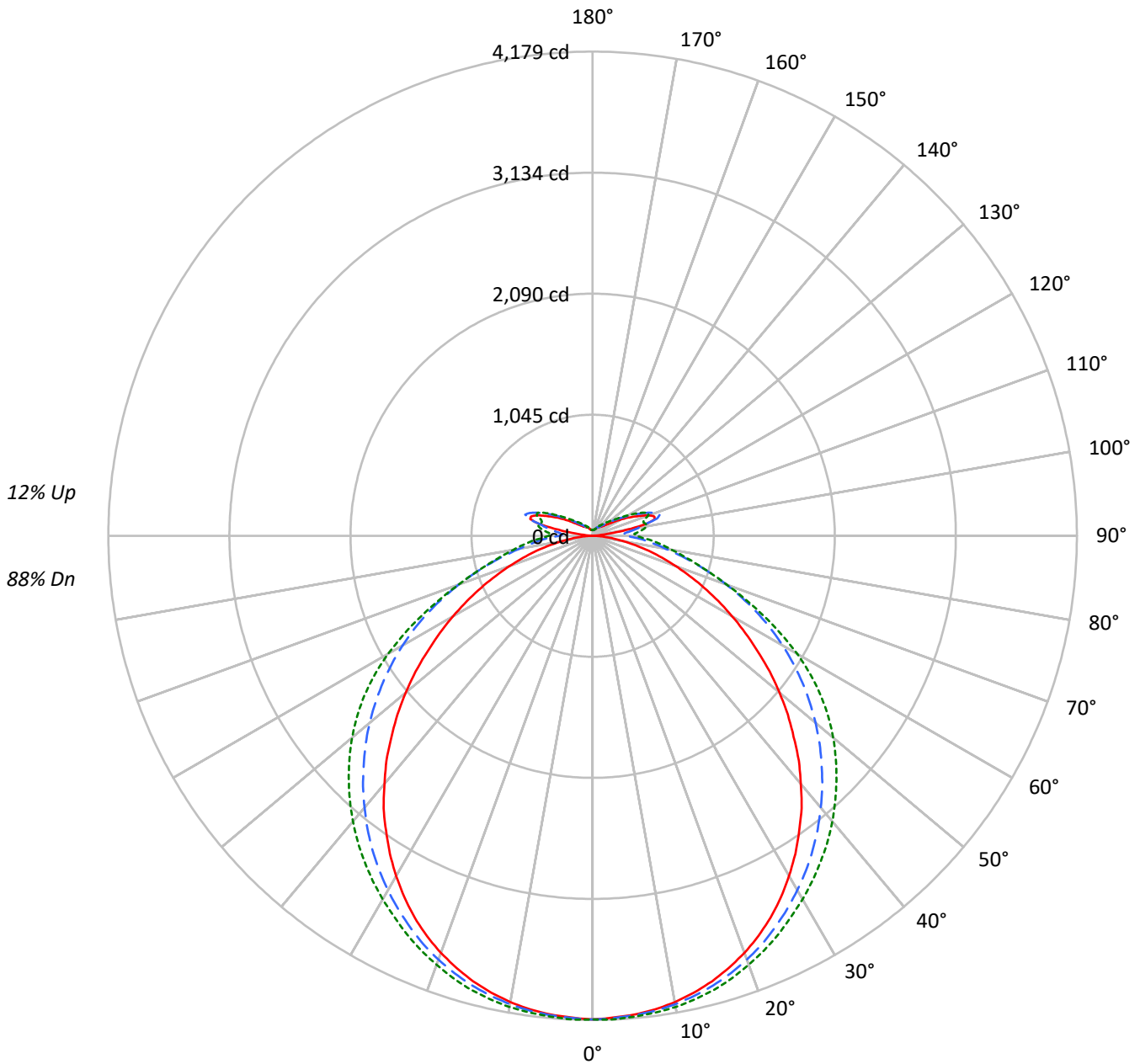
Lumens per Lamp: N/A
Luminaire Lumens: 13815.7 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 90.3
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	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72			72
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60			60
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50			50
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43			43
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37			37
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32			32
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29			29
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25			25
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23			23
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21			21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13946	13946	13946
5°	13790	13773	13864
10°	13626	13610	13799
15°	13408	13424	13712
20°	13139	13206	13580
25°	12802	12944	13446
30°	12363	12662	13313
35°	11846	12364	13199
40°	11239	12025	13088
45°	10536	11657	12945
50°	9773	11281	12770
55°	8857	10829	12467
60°	7919	10300	11849
65°	6902	9636	10824
70°	5809	8801	9714
75°	4696	7834	8980
80°	3349	7045	8964
85°	1863	6941	10136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.6	2.9
10°-20°	1134.9	8.2
20°-30°	1716.3	12.4
30°-40°	2060.5	14.9
40°-50°	2128.2	15.4
50°-60°	1914.7	13.9
60°-70°	1442.3	10.4
70°-80°	870.9	6.3
80°-90°	429.3	3.1
90°-100°	305.9	2.2
100°-110°	541.1	3.9
110°-120°	437.1	3.2
120°-130°	214.9	1.6
130°-140°	108.3	0.8
140°-150°	61.2	0.4
150°-160°	33.9	0.2
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	3246.8	23.5
0°-40°	5307.3	38.4
0°-60°	9350.1	67.7
0°-90°	12092.6	87.5
90°-120°	1284.0	9.3
90°-150°	1668.5	12.1
90°-180°	1723.0	12.5
0°-180°	13815.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4175	4175	4175	4175	4175	
5°	4148	4160	4154	4171	4166	394
15°	3981	4000	4019	4052	4056	1122
25°	3635	3675	3727	3786	3795	1672
35°	3108	3181	3312	3412	3432	1943
45°	2453	2577	2792	2945	2976	1894
55°	1738	1918	2209	2376	2404	1558
65°	1060	1277	1563	1641	1623	1054
75°	500	717	905	929	920	533
85°	104	275	454	516	525	120
90°	3	126	285	360	378	8
95°	30	135	287	371	400	91
105°	558	584	575	474	453	528
115°	387	403	452	474	470	391
125°	192	205	241	258	260	181
135°	116	121	136	153	158	92
145°	89	90	93	103	106	57
155°	74	76	76	75	77	33
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4174.9	4174.9	4174.9	4174.9	4174.9
2.5°	4162.6	4172.9	4166.7	4180.0	4179.0
5°	4148.4	4159.6	4154.5	4170.8	4165.7
7.5°	4123.8	4136.1	4135.1	4153.4	4151.4
10°	4088.0	4101.3	4105.4	4129.9	4129.9
12.5°	4039.0	4056.4	4066.6	4096.2	4097.3
15°	3980.8	4000.2	4018.6	4052.3	4056.4
17.5°	3910.2	3934.8	3960.3	3999.2	4004.3
20°	3830.6	3858.2	3892.9	3933.8	3939.9
22.5°	3738.6	3771.3	3816.3	3864.3	3871.5
25°	3635.4	3675.2	3727.4	3785.6	3794.8
27.5°	3517.9	3563.9	3634.4	3699.7	3707.9
30°	3390.2	3444.4	3532.2	3609.8	3623.1
32.5°	3255.3	3317.6	3426.0	3512.8	3531.2
35°	3108.2	3180.8	3311.5	3411.6	3432.0
37.5°	2963.1	3042.8	3190.9	3305.4	3329.9
40°	2793.5	2892.6	3062.2	3188.9	3218.5
42.5°	2634.1	2741.4	2933.5	3071.4	3100.0
45°	2453.2	2576.9	2792.5	2944.7	2976.4
47.5°	2283.6	2417.5	2656.6	2814.0	2846.6
50°	2104.8	2251.9	2511.5	2676.0	2709.7
52.5°	1926.0	2084.4	2361.3	2531.9	2563.6
55°	1738.0	1917.8	2209.1	2375.6	2404.2
57.5°	1563.3	1753.3	2052.7	2211.1	2228.5
60°	1390.6	1587.8	1893.3	2032.2	2038.4
62.5°	1222.0	1429.5	1729.8	1840.2	1832.0
65°	1060.5	1277.2	1563.3	1640.9	1622.6
67.5°	905.3	1129.1	1392.7	1442.8	1418.2
70°	758.2	985.0	1227.1	1252.7	1230.2
72.5°	628.3	848.1	1059.6	1081.0	1064.6
75°	499.7	717.3	905.3	928.7	919.6
77.5°	379.1	590.6	763.3	793.9	796.0
80°	272.8	475.2	639.7	687.6	693.8
82.5°	179.8	368.8	536.4	597.7	607.0
85°	104.2	274.8	453.7	516.0	525.1
87.5°	45.0	198.2	364.7	421.0	432.2
90°	2.6	126.4	284.7	360.0	377.6
92.5°	11.7	113.2	262.7	339.7	359.6
95°	29.5	135.1	287.2	370.7	399.9
97.5°	150.5	223.9	346.0	419.9	444.7
100°	299.2	369.6	406.1	462.0	476.3
102.5°	477.4	502.6	464.2	468.1	470.0
105°	557.5	584.4	575.0	474.0	453.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	450.7	476.2	518.4	529.4	517.8
115°	387.3	402.6	452.0	473.8	470.0
117.5°	334.4	343.9	388.2	409.0	410.3
120°	280.5	292.1	329.8	348.5	351.7
122.5°	233.5	245.6	283.6	300.5	302.7
125°	191.6	205.1	241.0	257.6	259.9
127.5°	163.6	171.8	205.3	223.7	225.0
130°	142.8	148.2	175.9	194.1	197.2
132.5°	128.0	133.5	154.2	171.5	176.4
135°	115.8	121.4	136.2	153.3	158.2
137.5°	107.1	110.9	122.6	137.7	142.7
140°	99.5	103.1	110.9	124.0	128.9
142.5°	94.4	96.2	99.9	112.9	116.0
145°	89.4	90.1	92.9	102.8	105.8
147.5°	85.0	86.8	88.5	92.6	96.5
150°	80.7	83.4	83.3	85.1	88.2
152.5°	77.2	79.0	79.8	78.8	81.6
155°	73.7	75.6	76.3	75.3	77.2
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	557.5	588.0	609.5	523.8	465.4
110°	514.9	544.8	577.4	561.7	512.8



(END OF REPORT)