

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: P828451

Luminaire Tested: **OHB-18HE-MCL-UNV-L950-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828451
REPORT IS A COMBINATION OF REPORTS P826132 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-18HE-MCL-UNV-L950-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

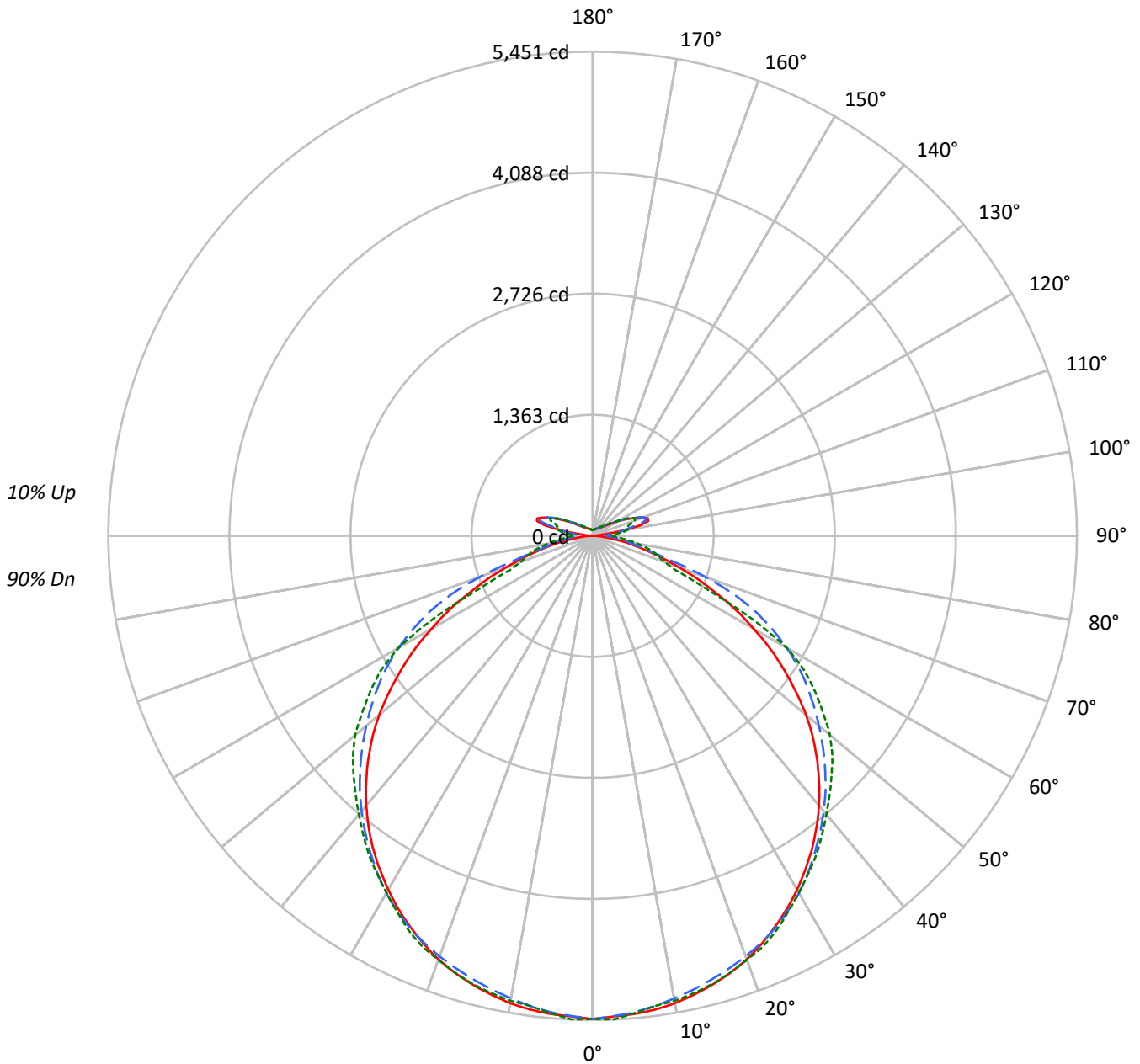
Lumens per Lamp: N/A
Luminaire Lumens: 16931.4 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 117.3
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									
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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	79	76																			
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	64																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	59	64	60	56	54																			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	47	41	37	35																			
7	64	51	42	36	62	49	41	36	47	40	35	45	38	34	42	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27																			
9	55	42	34	29	53	41	34	28	39	33	28	38	31	27	36	30	26	25																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18172	18172	18172
5°	17965	17853	17955
10°	17812	17530	17766
15°	17612	17275	17656
20°	17410	17095	17510
25°	17107	16913	17366
30°	16783	16655	17049
35°	16409	16278	16879
40°	15948	15888	16645
45°	15346	15442	16550
50°	14566	14938	16436
55°	13400	14432	15842
60°	11919	13722	14667
65°	10044	12489	9314
70°	7895	9623	6770
75°	5707	5608	6897
80°	3736	4529	6625
85°	1871	3935	6285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.9	3.0
10°-20°	1470.8	8.7
20°-30°	2246.4	13.3
30°-40°	2725.6	16.1
40°-50°	2856.8	16.9
50°-60°	2588.6	15.3
60°-70°	1735.6	10.3
70°-80°	779.3	4.6
80°-90°	286.7	1.7
90°-100°	234.0	1.4
100°-110°	557.2	3.3
110°-120°	464.3	2.7
120°-130°	224.4	1.3
130°-140°	114.2	0.7
140°-150°	67.0	0.4
150°-160°	39.9	0.2
160°-170°	21.2	0.1
170°-180°	6.5	0.0
0°-30°	4230.1	25.0
0°-40°	6955.8	41.1
0°-60°	12401.2	73.2
0°-90°	15202.8	89.8
90°-120°	1255.5	7.4
90°-150°	1661.1	9.8
90°-180°	1729.0	10.2
0°-180°	16931.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5440	5440	5440	5440	5440	
5°	5404	5423	5386	5402	5395	514
15°	5229	5208	5172	5217	5223	1476
25°	4858	4836	4870	4915	4901	2239
35°	4306	4316	4360	4406	4389	2691
45°	3573	3632	3699	3794	3805	2753
55°	2630	2756	2944	3062	3055	2347
65°	1543	1785	2026	1710	1396	1538
75°	607	881	648	663	706	664
85°	105	201	257	311	326	128
90°	4	89	162	206	218	9
95°	34	113	203	256	280	105
105°	647	656	589	438	410	615
115°	452	461	473	474	475	456
125°	223	234	248	250	249	210
135°	136	139	144	150	152	107
145°	101	104	106	108	109	64
155°	83	85	86	87	86	39
165°	73	74	74	75	75	21
175°	67	67	67	66	66	6
180°	66	66	66	66	66	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5439.8	5439.8	5439.8	5439.8	5439.8
2.5°	5417.8	5440.5	5412.3	5442.9	5450.8
5°	5404.4	5423.2	5385.5	5402.0	5394.9
7.5°	5380.0	5386.3	5341.4	5354.8	5340.6
10°	5343.8	5340.6	5288.0	5314.0	5317.1
12.5°	5290.3	5280.9	5233.7	5273.0	5273.8
15°	5229.0	5208.5	5171.5	5217.2	5223.4
17.5°	5158.2	5131.5	5107.0	5166.1	5156.6
20°	5075.6	5044.2	5039.4	5103.9	5080.3
22.5°	4973.4	4949.0	4960.0	5021.3	5006.3
25°	4857.8	4836.5	4870.3	4915.1	4901.0
27.5°	4735.8	4723.3	4761.8	4796.4	4768.8
30°	4602.1	4595.0	4646.1	4674.5	4639.9
32.5°	4456.6	4458.9	4507.7	4546.2	4514.0
35°	4305.6	4315.8	4359.8	4406.3	4389.0
37.5°	4139.6	4162.4	4206.5	4259.1	4241.1
40°	3964.2	3997.3	4046.0	4109.7	4093.2
42.5°	3774.7	3816.3	3879.3	3950.1	3948.5
45°	3573.3	3631.5	3699.1	3793.6	3805.3
47.5°	3364.1	3429.3	3515.1	3641.0	3659.1
50°	3136.8	3218.6	3325.5	3476.6	3487.6
52.5°	2883.5	2995.1	3136.8	3281.5	3268.2
55°	2629.5	2756.1	2944.0	3062.0	3055.0
57.5°	2376.2	2518.5	2746.7	2830.8	2830.0
60°	2093.0	2273.2	2522.4	2586.2	2523.2
62.5°	1831.0	2024.6	2283.3	2236.9	2021.5
65°	1543.2	1784.7	2026.2	1709.9	1396.2
67.5°	1287.6	1539.3	1721.0	1171.1	1002.8
70°	1030.4	1308.0	1341.8	869.1	857.4
72.5°	802.3	1098.0	925.8	744.1	781.8
75°	607.2	880.9	648.1	663.0	706.3
77.5°	442.8	676.4	504.2	581.2	616.7
80°	304.4	479.0	411.3	488.5	512.8
82.5°	191.1	316.2	329.6	393.2	418.5
85°	104.6	200.6	257.2	310.7	325.6
87.5°	43.3	121.1	196.7	239.9	252.5
90°	4.3	88.6	162.5	205.9	218.1
92.5°	12.1	79.8	156.3	200.6	213.0
95°	33.8	112.9	203.4	256.1	280.1
97.5°	171.1	218.2	283.3	337.2	354.3
100°	351.9	394.5	371.5	399.7	407.2
102.5°	550.0	568.0	448.2	421.0	418.1
105°	647.4	656.3	589.1	437.7	410.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	528.9	537.9	543.2	536.4	516.2
115°	452.3	460.7	473.2	474.3	475.0
117.5°	386.2	390.4	403.9	406.9	409.4
120°	323.6	330.5	344.2	345.5	344.6
122.5°	271.4	279.3	292.3	293.6	292.7
125°	222.8	234.1	248.1	249.5	248.6
127.5°	190.6	198.4	212.6	214.1	213.1
130°	166.2	173.1	182.3	186.3	187.2
132.5°	150.5	153.9	161.5	165.5	167.3
135°	135.7	139.1	144.3	150.0	151.6
137.5°	125.2	127.8	131.3	137.0	138.7
140°	115.6	118.2	120.1	125.0	126.7
142.5°	107.0	110.4	112.2	115.5	117.2
145°	100.9	103.5	106.1	107.8	108.6
147.5°	95.6	97.4	99.1	100.9	101.7
150°	90.4	92.2	93.9	94.8	95.6
152.5°	86.9	87.8	89.6	90.4	90.4
155°	82.6	85.2	86.1	86.9	86.1
157.5°	80.0	81.7	82.6	83.5	83.5
160°	77.4	78.2	79.1	80.0	80.0
162.5°	75.6	75.6	76.5	77.4	77.4
165°	73.0	73.9	73.9	74.8	74.8
167.5°	71.3	72.1	72.2	72.2	73.0
170°	69.6	69.6	70.4	69.6	69.6
172.5°	67.8	68.7	68.7	67.8	67.8
175°	66.9	66.9	66.9	66.2	66.2
177.5°	66.9	66.9	66.1	65.3	64.5
180°	66.1	66.1	66.1	66.1	66.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	654.3	665.3	638.4	512.5	438.4
110°	600.3	615.1	608.7	563.6	505.1



(END OF REPORT)