

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: P828489

Luminaire Tested: **OHB-24HE-MFL-UNV-L950-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828489
REPORT IS A COMBINATION OF REPORTS P826037 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-24HE-MFL-UNV-L950-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

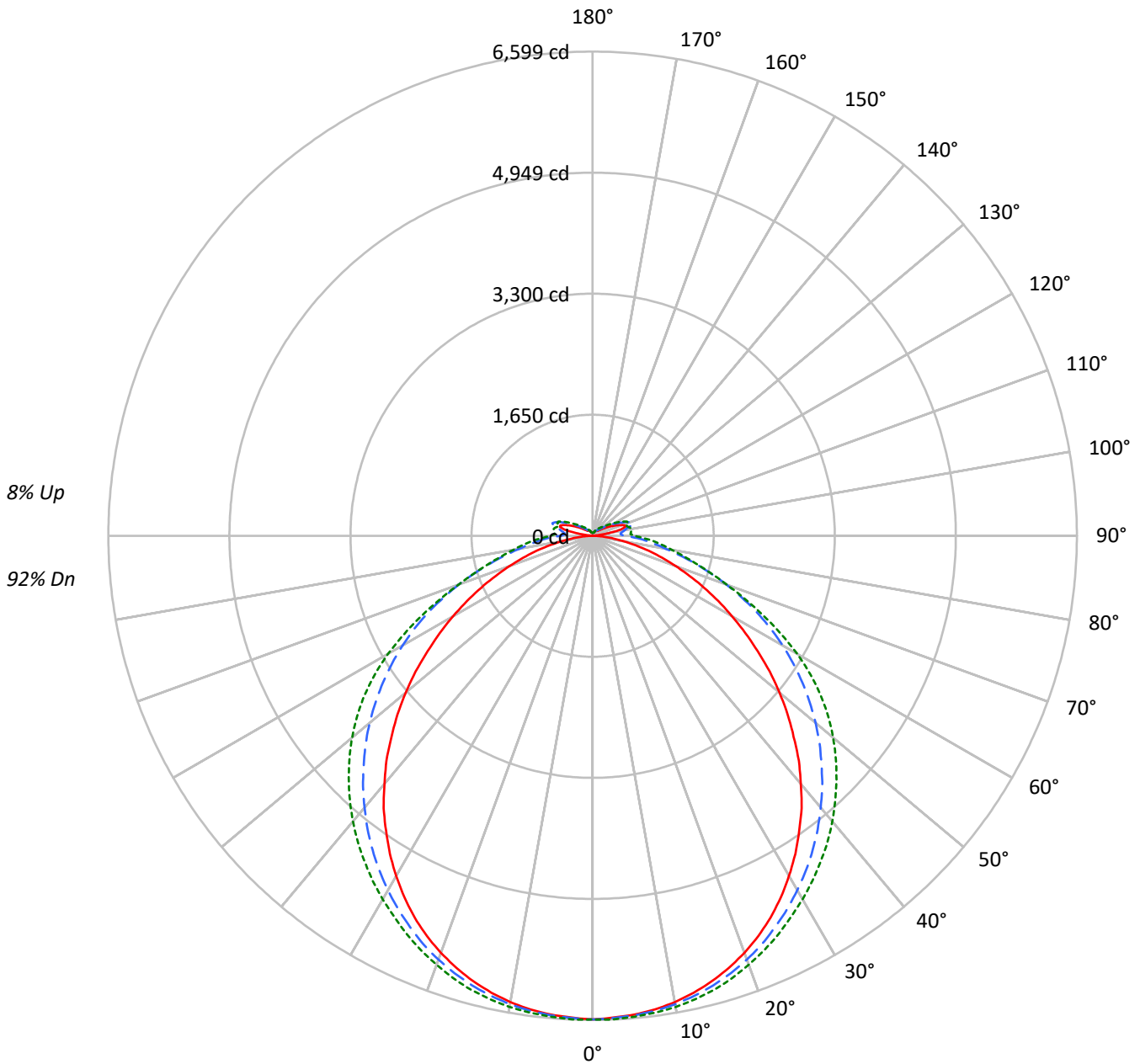
Lumens per Lamp: N/A
Luminaire Lumens: 20812.1 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 138.4
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	107	107	107	100	100	100	94	94	94	92																			
1	106	101	97	93	103	98	94	91	92	89	86	87	84	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	68	65	63																			
3	88	77	69	62	85	75	68	61	71	65	59	67	62	57	63	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	45	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	48	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	34	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	26	36	30	26	24																			
10	51	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20390	20390	20390
5°	20175	20145	20270
10°	19948	19916	20175
15°	19640	19653	20047
20°	19260	19343	19854
25°	18780	18968	19659
30°	18149	18565	19464
35°	17403	18138	19298
40°	16526	17650	19136
45°	15508	17122	18926
50°	14403	16583	18670
55°	13070	15933	18227
60°	11706	15171	17324
65°	10225	14212	15825
70°	8630	13005	14203
75°	7006	11606	13129
80°	5031	10476	13105
85°	2838	10395	14823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.6	3.0
10°-20°	1792.0	8.6
20°-30°	2710.1	13.0
30°-40°	3253.5	15.6
40°-50°	3360.4	16.1
50°-60°	3023.3	14.5
60°-70°	2277.4	10.9
70°-80°	1375.2	6.6
80°-90°	675.3	3.2
90°-100°	386.5	1.9
100°-110°	521.5	2.5
110°-120°	404.0	1.9
120°-130°	201.8	1.0
130°-140°	102.3	0.5
140°-150°	56.9	0.3
150°-160°	30.3	0.1
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	5126.8	24.6
0°-40°	8380.3	40.3
0°-60°	14764.0	70.9
0°-90°	19091.8	91.7
90°-120°	1312.0	6.3
90°-150°	1673.0	8.0
90°-180°	1720.0	8.3
0°-180°	20812.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6592	6592	6592	6592	6592	
5°	6550	6568	6560	6586	6578	622
15°	6286	6316	6345	6399	6405	1772
25°	5740	5803	5886	5978	5992	2640
35°	4908	5022	5229	5387	5419	3068
45°	3874	4069	4409	4650	4700	2991
55°	2744	3028	3488	3751	3796	2461
65°	1675	2017	2468	2591	2562	1664
75°	789	1133	1430	1467	1452	842
85°	165	434	716	815	829	190
90°	3	185	431	543	568	12
95°	30	165	381	491	522	78
105°	461	510	556	501	489	437
115°	326	350	424	458	459	326
125°	166	177	229	256	262	154
135°	100	106	129	154	160	79
145°	81	82	84	98	104	51
155°	68	71	70	69	71	29
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6592.2	6592.2	6592.2	6592.2	6592.2
2.5°	6572.9	6589.0	6579.3	6600.3	6598.6
5°	6550.3	6568.0	6560.0	6585.8	6577.7
7.5°	6511.5	6530.9	6529.3	6558.4	6555.1
10°	6455.1	6476.1	6482.5	6521.3	6521.3
12.5°	6377.6	6405.1	6421.2	6468.0	6469.6
15°	6285.6	6316.3	6345.4	6398.6	6405.1
17.5°	6174.4	6213.0	6253.4	6314.8	6322.8
20°	6048.6	6092.1	6147.0	6211.5	6221.1
22.5°	5903.4	5954.9	6025.9	6101.8	6113.1
25°	5740.3	5803.3	5885.6	5977.5	5992.0
27.5°	5554.8	5627.5	5738.8	5842.0	5854.9
30°	5353.2	5438.6	5577.4	5700.1	5721.0
32.5°	5140.2	5238.6	5409.6	5546.8	5575.8
35°	4907.8	5022.4	5228.9	5387.1	5419.3
37.5°	4678.7	4804.6	5038.5	5219.3	5258.0
40°	4411.0	4567.5	4835.2	5035.3	5082.1
42.5°	4159.2	4328.7	4632.0	4849.8	4895.0
45°	3873.7	4068.9	4409.3	4649.7	4699.8
47.5°	3605.8	3817.2	4194.7	4443.2	4494.9
50°	3323.5	3555.9	3965.6	4225.4	4278.6
52.5°	3041.2	3291.3	3728.5	3998.0	4048.0
55°	2744.3	3028.3	3488.1	3751.0	3796.3
57.5°	2468.4	2768.6	3241.3	3491.3	3518.7
60°	2195.8	2507.2	2989.6	3209.0	3218.7
62.5°	1929.6	2257.1	2731.4	2905.7	2892.8
65°	1674.6	2016.7	2468.4	2591.0	2562.0
67.5°	1429.5	1782.8	2199.0	2278.1	2239.3
70°	1197.1	1555.3	1937.6	1978.0	1942.5
72.5°	992.2	1339.1	1673.1	1707.0	1681.2
75°	788.9	1132.6	1429.5	1466.6	1452.1
77.5°	598.5	932.6	1205.2	1253.6	1256.8
80°	430.8	750.2	1009.9	1085.8	1095.5
82.5°	284.0	582.4	847.0	943.8	958.3
85°	164.6	434.0	716.3	814.8	829.3
87.5°	70.9	313.0	576.0	664.7	682.4
90°	2.6	185.0	430.6	543.2	567.7
92.5°	12.7	160.3	384.7	495.5	517.6
95°	29.8	164.9	381.3	491.3	521.5
97.5°	127.0	224.6	410.6	510.8	534.0
100°	249.6	342.1	445.5	522.8	540.0
102.5°	391.3	450.7	476.5	510.0	517.0
105°	460.8	510.5	556.5	501.0	488.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	376.3	409.6	486.0	514.1	505.8
115°	325.9	350.1	423.6	458.1	459.3
117.5°	277.1	298.3	365.4	398.4	401.4
120°	234.5	252.6	312.4	341.3	347.7
122.5°	199.7	212.1	268.0	296.0	301.7
125°	165.9	176.8	228.8	256.1	261.7
127.5°	139.1	147.5	195.5	223.7	228.6
130°	122.6	127.6	167.5	195.8	200.7
132.5°	110.4	116.2	145.5	172.2	179.5
135°	100.0	105.8	128.7	153.7	160.2
137.5°	93.0	98.0	113.5	136.9	144.2
140°	87.6	91.9	101.7	121.9	128.4
142.5°	84.1	85.8	90.8	109.4	115.1
145°	81.4	81.5	84.0	97.7	103.5
147.5°	77.0	78.8	80.5	86.9	92.6
150°	74.4	76.9	76.2	78.6	83.5
152.5°	70.9	73.4	72.7	71.9	75.1
155°	68.3	70.8	70.1	69.3	70.9
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	463.4	511.9	574.7	530.8	483.2
110°	425.2	471.6	539.6	549.1	512.8



(END OF REPORT)