

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: P828677

Luminaire Tested: **OHBL-30SE-MCL-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828677  
REPORT IS A COMBINATION OF REPORTS P826126 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: OHBL-30SE-MCL-UNV-L950-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

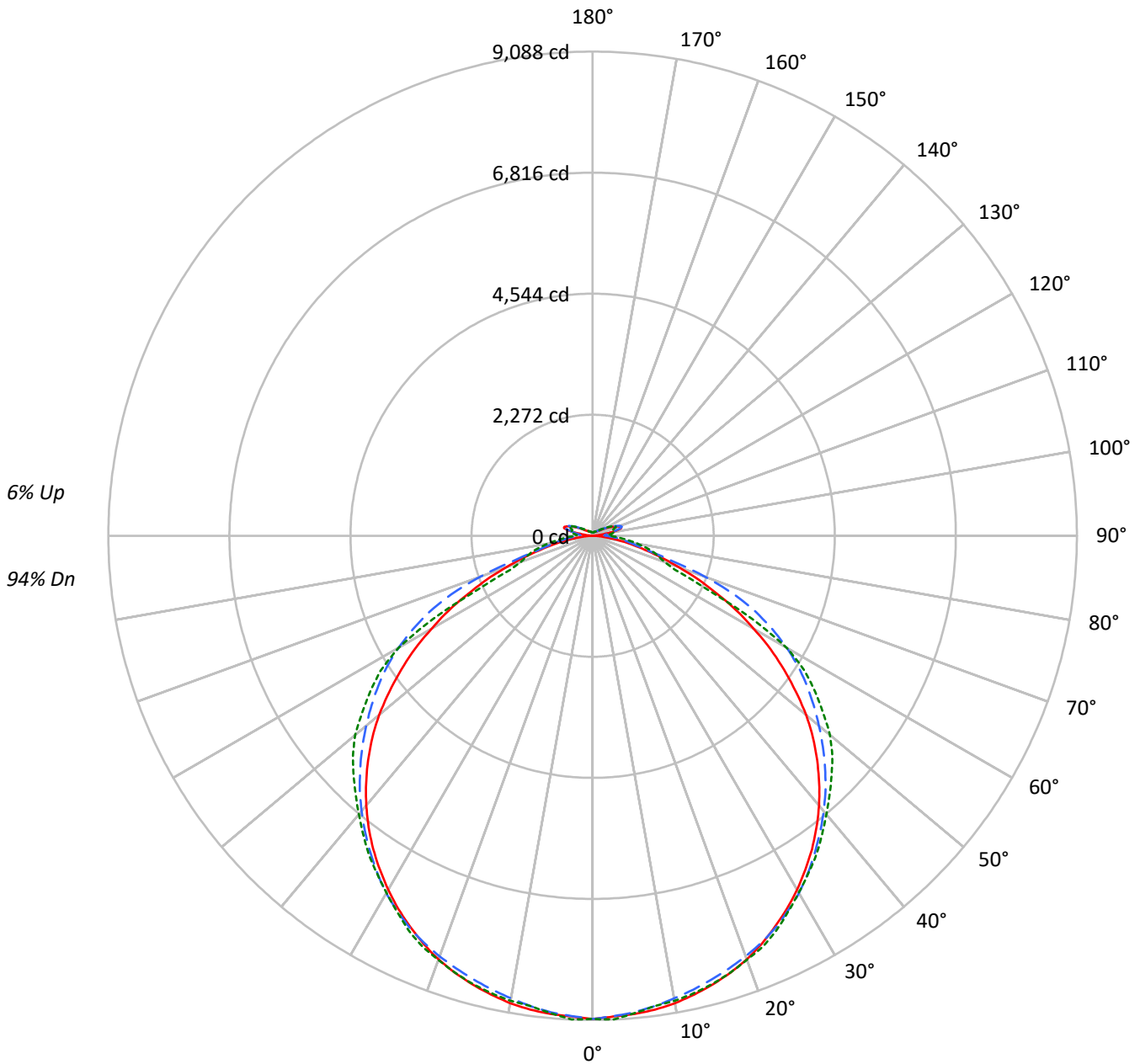
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26954.7 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 184.3  
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				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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				94
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79				79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67				67
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56				56
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48				48
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42				42
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36				36
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32				32
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29				29
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26				26
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23				23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	15490	15490	15490
5°	15314	15258	15362
10°	15184	15020	15256
15°	15013	14841	15219
20°	14840	14725	15152
25°	14583	14608	15089
30°	14306	14428	14878
35°	13988	14147	14800
40°	13595	13855	14673
45°	13081	13519	14677
50°	12416	13137	14679
55°	11422	12759	14268
60°	10160	12211	13351
65°	8562	11204	8595
70°	6729	8729	6367
75°	4865	5166	6673
80°	3185	4275	6728
85°	1595	3882	7074



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.2	3.2
10°-20°	2452.2	9.1
20°-30°	3745.2	13.9
30°-40°	4544.2	16.9
40°-50°	4762.8	17.7
50°-60°	4315.8	16.0
60°-70°	2893.6	10.7
70°-80°	1299.3	4.8
80°-90°	474.9	1.8
90°-100°	268.6	1.0
100°-110°	505.7	1.9
110°-120°	410.5	1.5
120°-130°	199.5	0.7
130°-140°	103.2	0.4
140°-150°	61.1	0.2
150°-160°	37.0	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	7052.5	26.2
0°-40°	11596.8	43.0
0°-60°	20675.4	76.7
0°-90°	25343.1	94.0
90°-120°	1184.8	4.4
90°-150°	1548.5	5.7
90°-180°	1612.0	6.0
0°-180°	26954.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9069	9069	9069	9069	9069	
5°	9010	9042	8979	9006	8994	857
15°	8718	8684	8622	8698	8709	2461
25°	8099	8064	8120	8195	8171	3733
35°	7178	7195	7269	7346	7317	4487
45°	5957	6054	6167	6325	6344	4589
55°	4384	4595	4908	5105	5093	3913
65°	2573	2975	3378	2851	2328	2564
75°	1012	1469	1080	1106	1178	1106
85°	174	334	429	518	543	213
90°	4	131	247	311	328	12
95°	26	132	245	308	334	88
105°	556	573	537	417	394	527
115°	390	395	421	429	424	393
125°	193	204	223	225	225	182
135°	120	125	129	138	140	96
145°	91	94	96	99	100	58
155°	77	79	80	80	80	36
165°	69	69	70	70	70	20
175°	64	64	63	62	62	6
180°	63	63	63	63	63	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9069.3	9069.3	9069.3	9069.3	<i>9069.3</i>
2.5°	<i>9032.6</i>	<i>9070.6</i>	<i>9023.4</i>	<i>9074.5</i>	<i>9087.6</i>
5°	9010.2	9041.7	8978.8	9006.3	<i>8994.5</i>
7.5°	8969.6	8980.1	8905.4	8927.6	<i>8904.1</i>
10°	8909.3	8904.1	8816.2	8859.5	<i>8864.7</i>
12.5°	8820.1	8804.3	8725.7	8791.3	<i>8792.6</i>
15°	8717.8	8683.8	8622.1	8698.2	<i>8708.6</i>
17.5°	8599.8	8555.2	8514.6	8612.9	<i>8597.2</i>
20°	8462.1	8409.7	8401.8	8509.3	<i>8470.0</i>
22.5°	8291.6	8251.0	8269.4	8371.6	<i>8346.8</i>
25°	8098.9	8063.5	8119.8	8194.6	<i>8171.0</i>
27.5°	7895.6	7874.6	7938.9	7996.6	<i>7950.7</i>
30°	7672.7	7660.8	7746.1	7793.4	<i>7735.6</i>
32.5°	7430.1	7434.0	7515.3	7579.6	<i>7525.8</i>
35°	7178.3	7195.3	7268.8	7346.2	<i>7317.3</i>
37.5°	6901.6	6939.6	7013.1	7100.9	<i>7070.8</i>
40°	6609.2	6664.3	6745.6	6851.7	<i>6824.3</i>
42.5°	6293.1	6362.7	6467.5	6585.6	<i>6583.0</i>
45°	5957.4	6054.5	6167.2	6324.6	<i>6344.3</i>
47.5°	5608.6	5717.5	5860.4	6070.2	<i>6100.4</i>
50°	5229.6	5366.0	5544.4	5796.2	<i>5814.5</i>
52.5°	4807.4	4993.6	5229.6	5471.0	<i>5448.6</i>
55°	4383.8	4594.9	4908.4	5105.0	<i>5093.3</i>
57.5°	3961.5	4198.9	4579.2	4719.5	<i>4718.2</i>
60°	3489.5	3789.8	4205.5	4311.7	<i>4206.8</i>
62.5°	3052.8	3375.4	3806.9	3729.5	<i>3370.1</i>
65°	2572.9	2975.4	3378.1	2850.9	<i>2327.7</i>
67.5°	2146.7	2566.3	2869.3	1952.6	<i>1671.9</i>
70°	1717.8	2180.7	2237.2	1449.0	<i>1429.4</i>
72.5°	1337.6	1830.6	1543.4	1240.5	<i>1303.5</i>
75°	1012.4	1468.7	1080.5	1105.5	<i>1177.6</i>
77.5°	738.2	1127.8	840.6	969.1	<i>1028.1</i>
80°	507.5	798.6	685.8	814.3	<i>855.0</i>
82.5°	318.7	527.1	549.5	655.6	<i>697.6</i>
85°	174.4	334.4	428.8	518.0	<i>542.9</i>
87.5°	72.2	202.0	327.9	399.9	<i>421.0</i>
90°	3.9	130.6	246.8	311.1	<i>328.5</i>
92.5°	10.0	109.6	220.9	279.9	<i>297.8</i>
95°	25.6	132.1	245.2	308.4	<i>333.6</i>
97.5°	146.9	217.6	304.6	357.8	<i>378.6</i>
100°	296.9	362.4	366.2	401.5	<i>411.5</i>
102.5°	476.5	492.3	425.7	410.1	<i>408.8</i>
105°	555.6	572.7	537.3	417.4	<i>394.4</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	451.8	467.0	485.4	481.6	468.5
115°	389.6	394.8	420.6	429.3	424.1
117.5°	335.7	336.6	359.7	365.9	366.7
120°	281.8	286.6	304.5	309.3	309.7
122.5°	234.8	241.8	260.6	264.5	264.9
125°	192.7	204.4	222.7	224.9	225.4
127.5°	167.0	173.1	190.5	194.5	194.1
130°	146.2	151.8	163.5	169.6	169.6
132.5°	132.7	137.5	145.7	151.8	152.7
135°	120.5	125.3	129.2	137.5	139.6
137.5°	113.1	114.9	118.3	125.7	127.9
140°	104.4	107.0	108.3	114.4	116.6
142.5°	97.0	100.1	100.5	106.2	107.5
145°	90.9	94.0	95.7	98.8	100.1
147.5°	87.9	89.6	91.4	91.4	93.6
150°	83.6	85.3	86.2	87.0	87.0
152.5°	80.1	80.9	82.7	82.7	83.6
155°	76.6	78.8	80.5	80.5	80.1
157.5°	74.0	76.2	77.0	77.9	77.9
160°	71.4	73.6	74.4	74.4	75.3
162.5°	70.9	71.8	71.8	72.7	72.7
165°	69.2	69.2	70.1	70.1	70.1
167.5°	67.5	68.8	68.3	68.3	69.2
170°	65.7	66.6	66.6	65.3	66.2
172.5°	64.9	64.9	65.7	64.4	64.4
175°	64.0	64.0	62.7	62.3	62.3
177.5°	64.4	64.0	62.7	61.4	60.1
180°	62.7	62.7	62.7	62.7	62.7



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	556.9	576.2	574.6	470.4	409.5
110°	515.6	533.1	543.2	510.7	459.4



(END OF REPORT)