

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: P827783

Luminaire Tested: **OHBL-30SE-NL-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827783  
REPORT IS A COMBINATION OF REPORTS P826129 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-NL-UNV-L930-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

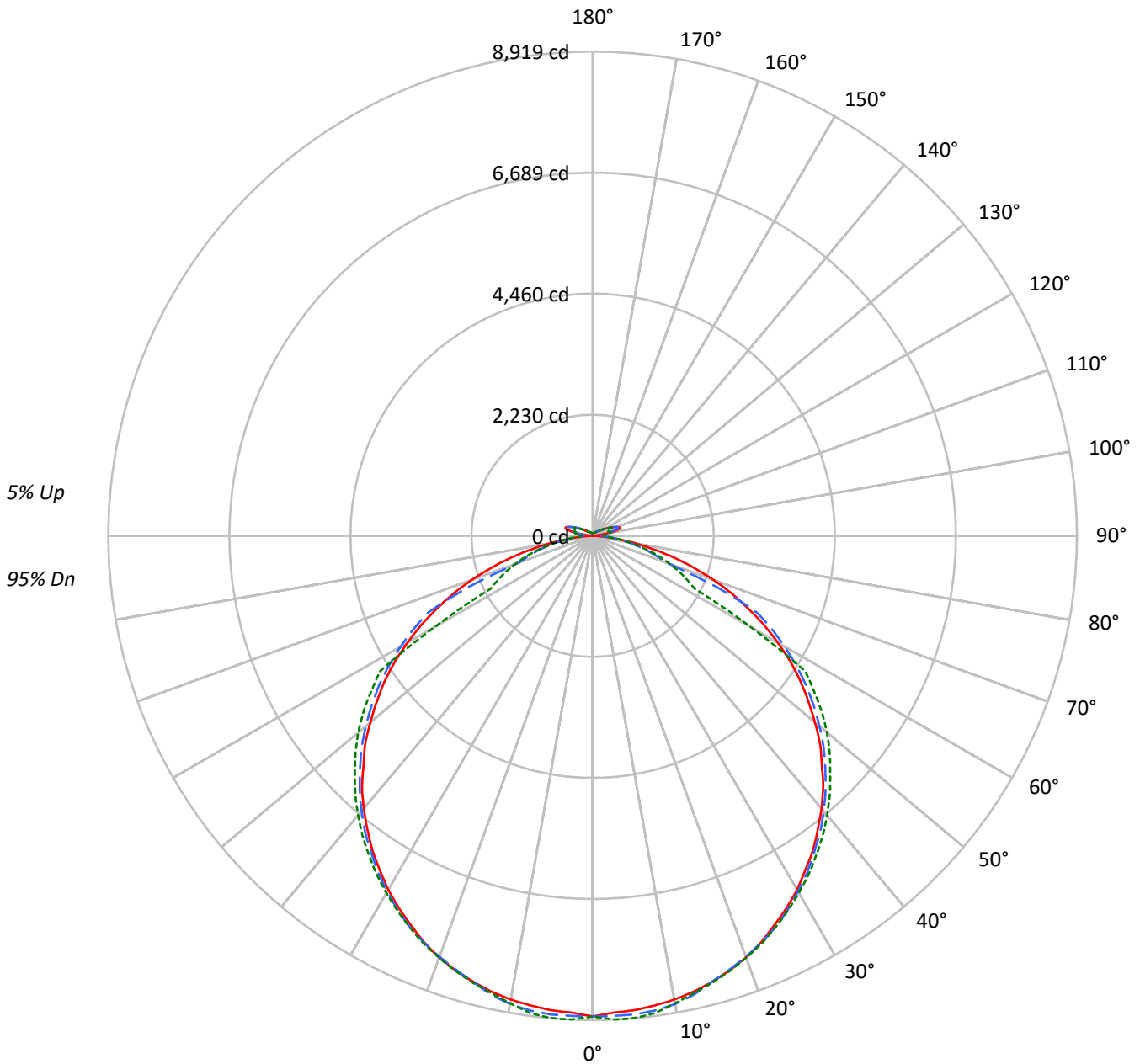
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26086.7 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 184.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80				
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	67				
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57				
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49				
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42				
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	37				
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33				
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29				
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26				
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24				

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

	0°	45°	90°
0°	15123	15123	15123
5°	14960	15094	15254
10°	14886	15024	15097
15°	14803	14796	14965
20°	14699	14671	14891
25°	14511	14578	14822
30°	14351	14416	14758
35°	14157	14224	14700
40°	13924	14043	14656
45°	13598	13789	14566
50°	13249	13502	14507
55°	12826	13139	14261
60°	12192	12602	11017
65°	11282	11912	7338
70°	10111	6125	7016
75°	8393	5535	6542
80°	5894	4630	5727
85°	2366	3710	4955



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	841.2	3.2
10°-20°	2408.5	9.2
20°-30°	3664.7	14.0
30°-40°	4455.8	17.1
40°-50°	4685.0	18.0
50°-60°	4278.0	16.4
60°-70°	2742.4	10.5
70°-80°	1295.5	5.0
80°-90°	362.3	1.4
90°-100°	212.9	0.8
100°-110°	433.9	1.7
110°-120°	357.7	1.4
120°-130°	168.2	0.6
130°-140°	84.1	0.3
140°-150°	48.8	0.2
150°-160°	28.5	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	6914.4	26.5
0°-40°	11370.1	43.6
0°-60°	20333.2	77.9
0°-90°	24733.4	94.8
90°-120°	1004.5	3.9
90°-150°	1305.6	5.0
90°-180°	1353.0	5.2
0°-180°	26086.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8854	8854	8854	8854	8854	
5°	8772	8806	8851	8899	8918	834
15°	8506	8570	8504	8517	8523	2401
25°	7916	7928	7956	7968	7962	3653
35°	7075	7033	7114	7201	7181	4422
45°	5967	5956	6058	6200	6190	4612
55°	4676	4641	4798	4958	4970	4170
65°	3151	3151	3334	1912	1919	3124
75°	1557	1586	1030	1084	1089	1641
85°	204	258	322	348	329	301
90°	2	105	166	200	201	11
95°	27	103	189	253	272	83
105°	519	522	455	329	302	492
115°	360	363	371	365	348	361
125°	171	180	185	184	183	161
135°	101	104	107	108	109	80
145°	74	75	77	78	78	47
155°	59	60	61	61	62	28
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8854.0	8854.0	8854.0	8854.0	<i>8854.0</i>
2.5°	<i>8791.8</i>	<i>8821.4</i>	<i>8854.0</i>	<i>8896.0</i>	<i>8919.2</i>
5°	8771.6	8805.8	8850.9	8899.1	<i>8917.7</i>
7.5°	8728.2	8776.2	8819.8	8854.0	<i>8864.9</i>
10°	8673.7	8731.3	8756.2	8753.0	<i>8745.3</i>
12.5°	8600.7	8661.4	8653.7	8617.8	<i>8624.1</i>
15°	8506.0	8569.6	8504.5	8516.8	<i>8523.1</i>
17.5°	8394.1	8456.3	8380.2	8405.0	<i>8406.6</i>
20°	8263.7	8310.2	8251.2	8271.4	<i>8271.4</i>
22.5°	8106.8	8139.4	8114.5	8128.5	<i>8131.6</i>
25°	7915.6	7928.0	7955.9	7968.5	<i>7962.2</i>
27.5°	7732.4	7716.8	7771.2	7800.7	<i>7785.1</i>
30°	7528.7	7503.9	7567.6	7615.8	<i>7597.2</i>
32.5°	7295.7	7280.3	7353.2	7410.6	<i>7399.8</i>
35°	7075.1	7033.1	7114.0	7201.0	<i>7180.7</i>
37.5°	6814.1	6789.3	6880.9	6972.7	<i>6961.8</i>
40°	6559.3	6517.3	6621.5	6730.2	<i>6719.4</i>
42.5°	6285.9	6236.1	6349.6	6480.2	<i>6467.7</i>
45°	5967.4	5956.4	6057.5	6200.4	<i>6189.6</i>
47.5°	5684.8	5630.3	5771.6	5909.9	<i>5922.4</i>
50°	5342.8	5322.7	5451.6	5619.5	<i>5631.7</i>
52.5°	5008.8	4994.9	5129.9	5299.4	<i>5321.1</i>
55°	4676.3	4640.6	4797.5	4957.6	<i>4970.0</i>
57.5°	4320.7	4283.4	4443.4	4617.4	<i>4643.7</i>
60°	3939.9	3904.2	4079.7	4241.4	<i>3372.9</i>
62.5°	3559.3	3534.4	3717.8	2633.4	<i>2122.4</i>
65°	3150.7	3150.7	3333.9	1912.4	<i>1918.7</i>
67.5°	2768.6	2743.7	2485.9	1718.2	<i>1718.2</i>
70°	2358.4	2367.8	1432.4	1505.5	<i>1507.0</i>
72.5°	1946.7	1980.9	1236.8	1295.7	<i>1298.7</i>
75°	1556.7	1586.3	1030.0	1084.5	<i>1089.1</i>
77.5°	1143.5	879.3	828.0	870.1	<i>871.6</i>
80°	803.2	554.7	633.9	674.2	<i>669.6</i>
82.5°	469.1	388.3	464.5	494.1	<i>492.4</i>
85°	203.5	257.9	321.6	348.1	<i>329.3</i>
87.5°	65.2	160.0	200.3	216.0	<i>214.3</i>
90°	2.4	104.8	166.4	200.0	<i>201.0</i>
92.5°	8.1	90.9	161.5	207.2	<i>216.7</i>
95°	27.2	103.3	189.2	253.1	<i>271.7</i>
97.5°	137.3	183.7	237.9	298.7	<i>316.4</i>
100°	275.6	320.6	289.9	331.4	<i>338.8</i>
102.5°	445.9	445.3	342.2	331.0	<i>327.8</i>
105°	519.4	521.5	454.8	328.7	<i>302.2</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	420.8	429.6	427.0	407.8	382.2
115°	360.2	363.3	371.1	364.9	348.2
117.5°	302.3	300.7	303.9	302.3	300.7
120°	252.2	255.4	256.2	254.6	253.8
122.5°	208.6	215.0	219.1	216.6	215.8
125°	170.6	180.3	185.1	183.5	182.7
127.5°	145.5	151.2	157.6	157.6	156.0
130°	126.1	130.1	135.0	135.8	135.8
132.5°	112.4	115.6	119.6	120.4	121.2
135°	101.0	104.3	106.7	108.3	109.1
137.5°	93.0	94.6	97.8	98.6	99.4
140°	84.9	87.3	89.7	90.5	91.3
142.5°	79.2	80.8	82.4	84.1	84.1
145°	73.6	75.2	76.8	78.4	78.4
147.5°	69.5	71.1	72.8	72.8	73.6
150°	65.5	67.1	67.9	68.7	68.7
152.5°	62.2	63.0	64.7	64.7	65.5
155°	59.0	59.8	61.4	61.4	62.2
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	519.4	527.9	496.2	379.4	311.0
110°	481.4	490.1	473.7	426.4	365.2



(END OF REPORT)