

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: P827979

Luminaire Tested: **OHBL-15SE-A-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827979
REPORT IS A COMBINATION OF REPORTS P826113 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-15SE-A-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

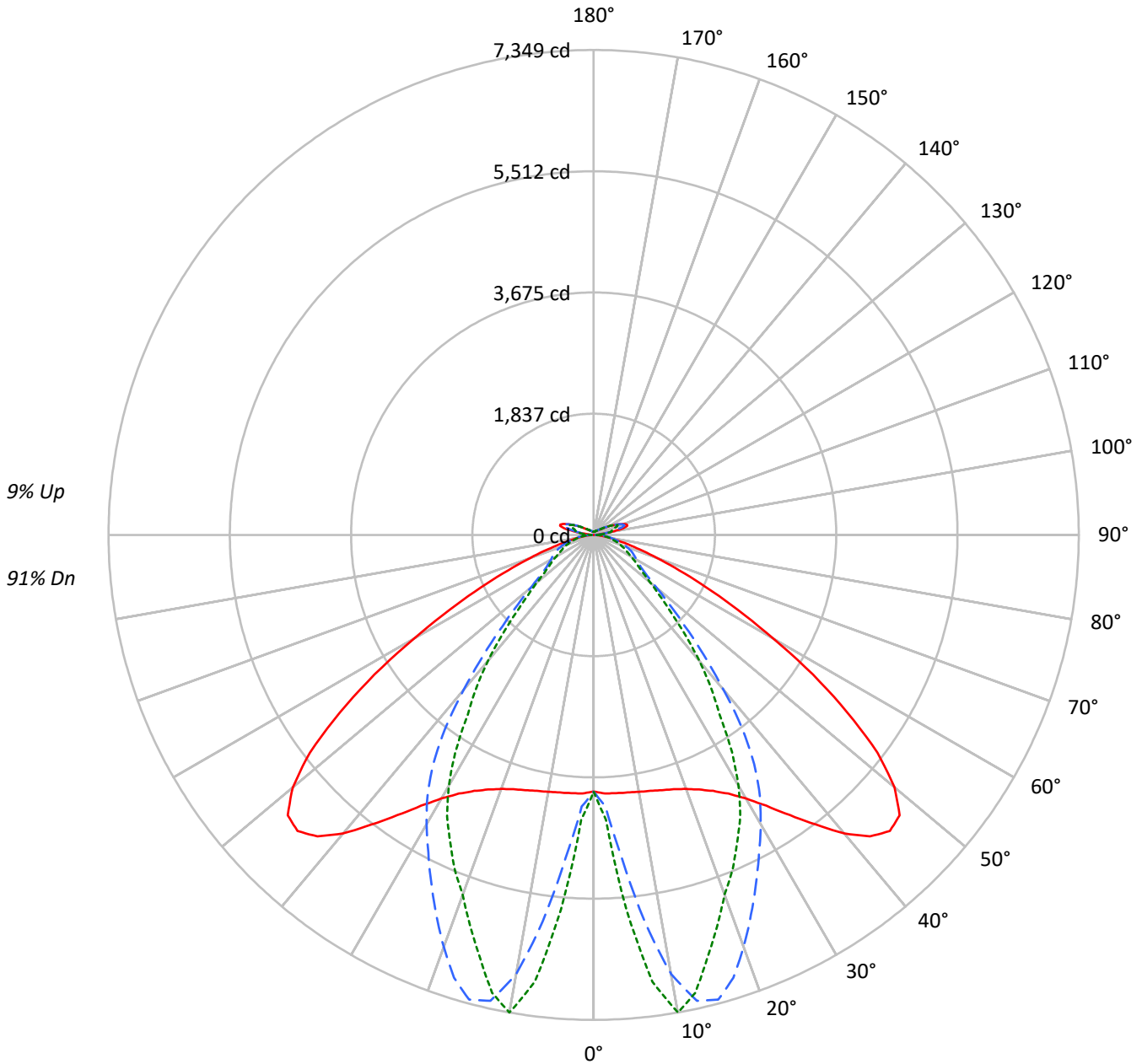
Lumens per Lamp: N/A
Luminaire Lumens: 13746.0 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Direct

Input Watts (W): 97.3
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	106	106	106	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	91	90	88	86	85	84	82	80																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	90	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	34	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12652	12652	12652
5°	12618	15825	18547
10°	12632	21699	24091
15°	12833	23508	22111
20°	13258	21689	19761
25°	14108	19391	18075
30°	15595	17352	16073
35°	18164	15086	12808
40°	21619	11405	10193
45°	24519	7707	7255
50°	24538	5237	5365
55°	20920	4077	4384
60°	15345	3765	3944
65°	10280	3714	3736
70°	6379	3504	3618
75°	3679	3145	3462
80°	2032	2635	3572
85°	876	2080	3311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.7	3.7
10°-20°	1792.0	13.0
20°-30°	2640.6	19.2
30°-40°	2774.9	20.2
40°-50°	2123.3	15.4
50°-60°	1282.1	9.3
60°-70°	782.4	5.7
70°-80°	427.0	3.1
80°-90°	153.1	1.1
90°-100°	121.4	0.9
100°-110°	420.5	3.1
110°-120°	361.3	2.6
120°-130°	173.4	1.3
130°-140°	86.7	0.6
140°-150°	50.3	0.4
150°-160°	29.3	0.2
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	4940.4	35.9
0°-40°	7715.2	56.1
0°-60°	11120.7	80.9
0°-90°	12483.2	90.8
90°-120°	903.2	6.6
90°-150°	1213.6	8.8
90°-180°	1263.0	9.2
0°-180°	13746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3889	3889	3889	3889	3889	
5°	3928	4214	4916	5489	5701	376
15°	4005	6237	7290	6802	6642	1139
25°	4279	7239	5820	5269	5139	2000
35°	5184	5797	4240	3531	3324	3288
45°	6344	3308	1953	1719	1646	4794
55°	4692	1122	889	824	822	4146
65°	1881	710	654	560	531	1927
75°	501	442	405	334	321	576
85°	75	137	161	147	133	92
90°	2	18	24	32	36	6
95°	23	60	89	118	138	83
105°	528	520	443	313	288	499
115°	363	363	367	365	358	367
125°	176	186	191	189	188	166
135°	104	108	110	112	112	83
145°	76	78	79	81	81	48
155°	61	62	63	63	64	29
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3889.1	3889.1	3889.1	3889.1	<i>3889.1</i>
2.5°	3921.0	3961.0	4118.8	4282.5	<i>4322.4</i>
5°	3928.2	4214.3	4916.2	5489.4	<i>5701.2</i>
7.5°	3936.5	4624.8	5904.3	6606.2	<i>6830.8</i>
10°	<i>3952.3</i>	<i>5143.8</i>	<i>6760.6</i>	<i>7264.4</i>	<i>7349.3</i>
12.5°	3972.0	5693.6	7231.7	7213.3	<i>7106.3</i>
15°	4004.7	6237.4	7289.8	6802.4	<i>6642.5</i>
17.5°	4039.0	6697.5	7036.6	6355.2	<i>6215.9</i>
20°	4094.9	7039.1	6642.8	5957.6	<i>5799.3</i>
22.5°	4175.4	7226.8	6229.9	5598.0	<i>5494.8</i>
25°	4279.3	7239.1	5819.8	5269.0	<i>5138.9</i>
27.5°	4418.6	7071.1	5426.8	4946.6	<i>4809.2</i>
30°	4608.1	6749.6	5061.5	4557.8	<i>4387.4</i>
32.5°	4865.4	6286.8	4684.9	4088.6	<i>3897.4</i>
35°	5183.6	5797.2	4239.8	3530.9	<i>3324.4</i>
37.5°	5530.8	5253.5	3699.7	3037.1	<i>2916.8</i>
40°	5904.3	4693.2	3059.4	2574.9	<i>2488.9</i>
42.5°	6195.9	4084.3	2464.8	2139.8	<i>2048.2</i>
45°	6344.5	3307.9	1953.1	1718.6	<i>1646.3</i>
47.5°	6286.6	2567.8	1548.3	1365.5	<i>1343.8</i>
50°	5948.9	1896.0	1239.4	1124.8	<i>1115.8</i>
52.5°	5420.9	1413.3	1023.8	952.9	<i>937.4</i>
55°	4691.9	1121.7	889.1	824.0	<i>821.5</i>
57.5°	3939.3	952.9	807.0	756.7	<i>739.2</i>
60°	3136.5	849.7	744.8	687.9	<i>652.4</i>
62.5°	2458.6	777.5	699.1	621.9	<i>588.7</i>
65°	1881.0	710.1	654.1	559.7	<i>531.2</i>
67.5°	1402.2	645.9	599.1	494.3	<i>477.7</i>
70°	1021.7	580.0	536.3	439.6	<i>426.4</i>
72.5°	728.1	514.3	473.7	388.2	<i>373.8</i>
75°	500.8	441.6	405.1	334.3	<i>320.7</i>
77.5°	337.9	367.4	337.6	285.3	<i>279.7</i>
80°	225.7	291.3	273.0	241.8	<i>238.3</i>
82.5°	136.9	211.5	215.5	196.6	<i>187.1</i>
85°	74.6	136.9	161.4	147.1	<i>133.4</i>
87.5°	29.2	75.9	111.2	99.9	<i>94.1</i>
90°	2.5	18.3	24.2	31.7	<i>35.8</i>
92.5°	8.3	23.3	38.3	53.3	<i>61.7</i>
95°	23.3	60.0	89.2	118.3	<i>137.5</i>
97.5°	138.3	155.8	170.0	195.8	<i>210.8</i>
100°	280.8	303.3	249.2	261.7	<i>267.5</i>
102.5°	451.7	436.7	322.5	290.0	<i>285.0</i>
105°	527.5	520.0	443.3	313.3	<i>287.5</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	424.2	430.0	422.5	407.5	392.5
115°	363.3	363.3	366.7	365.0	357.5
117.5°	311.7	310.0	313.3	311.7	310.0
120°	260.0	263.3	264.2	262.5	261.7
122.5°	215.0	221.7	225.8	223.3	222.5
125°	175.8	185.8	190.8	189.2	188.3
127.5°	150.0	155.8	162.5	162.5	160.8
130°	130.0	134.2	139.2	140.0	140.0
132.5°	115.8	119.2	123.3	124.2	125.0
135°	104.2	107.5	110.0	111.7	112.5
137.5°	95.8	97.5	100.8	101.7	102.5
140°	87.5	90.0	92.5	93.3	94.2
142.5°	81.7	83.3	85.0	86.7	86.7
145°	75.8	77.5	79.2	80.8	80.8
147.5°	71.7	73.3	75.0	75.0	75.8
150°	67.5	69.2	70.0	70.8	70.8
152.5°	64.2	65.0	66.7	66.7	67.5
155°	60.8	61.7	63.3	63.3	64.2
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	527.5	528.3	489.2	376.7	315.8
110°	486.7	490.8	469.2	426.7	375.0



(END OF REPORT)