

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: P827980

Luminaire Tested: **OHBL-15SE-A-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827980
REPORT IS A COMBINATION OF REPORTS P826221 AND G3-2310-221-6
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-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

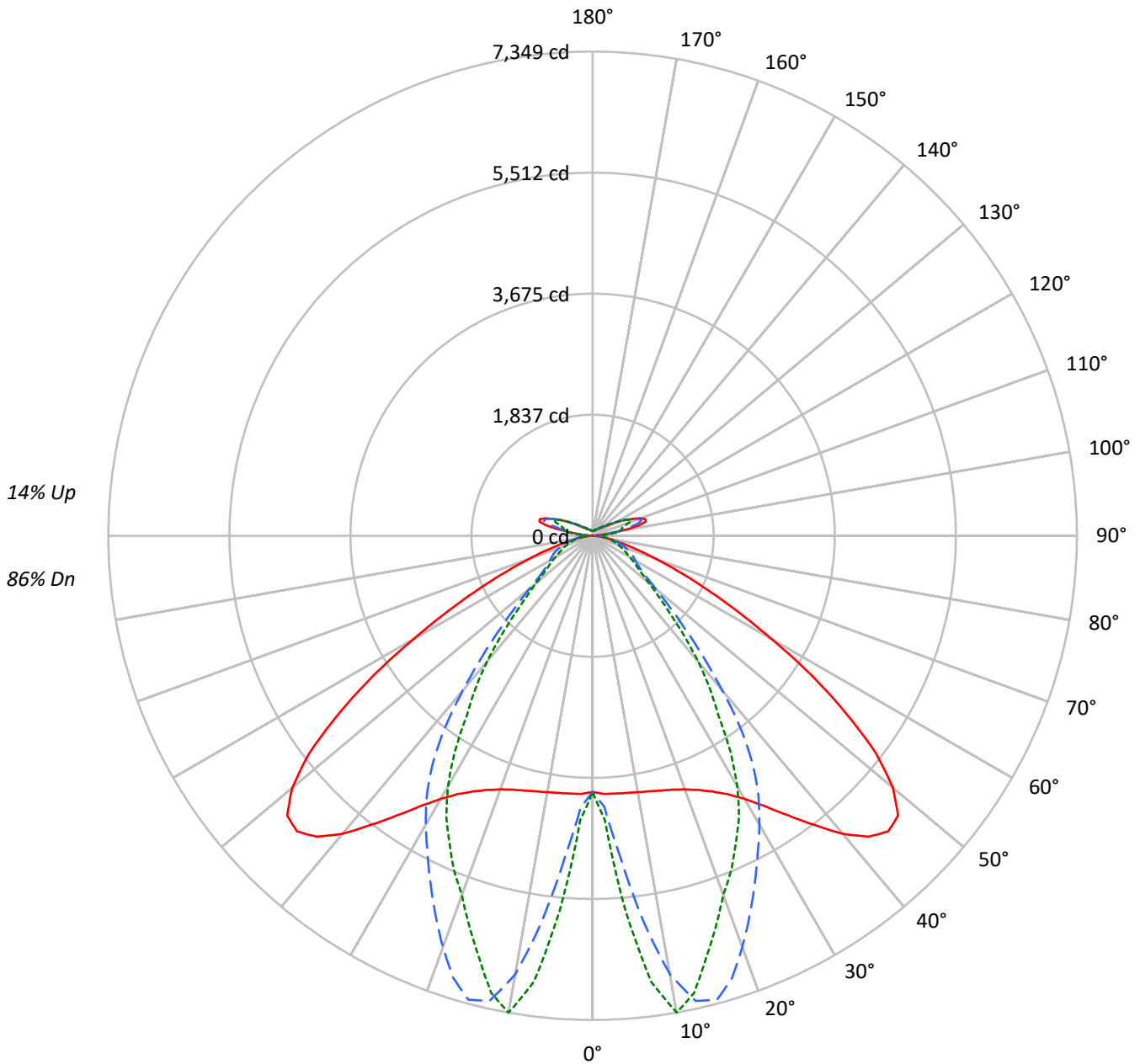
Lumens per Lamp: N/A
Luminaire Lumens: 14496.9 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	107	103	100	96	103	100	97	94	93	90	88	87	85	83	81	80	78	75																			
2	99	92	86	82	95	89	84	80	83	79	76	78	75	72	73	71	68	66																			
3	92	83	76	70	88	80	74	69	75	70	66	71	66	63	67	63	60	58																			
4	85	74	67	61	81	72	65	60	68	62	58	64	59	55	61	57	53	51																			
5	79	67	59	54	76	65	58	53	62	56	51	59	53	49	55	51	48	45																			
6	73	61	53	48	70	60	52	47	57	50	46	54	48	44	51	46	43	41																			
7	68	56	48	43	66	55	47	42	52	46	41	49	44	40	47	42	39	37																			
8	64	51	44	39	61	50	43	38	48	42	37	46	40	36	43	39	35	33																			
9	60	47	40	35	58	46	39	35	44	38	34	42	37	33	40	36	32	30																			
10	56	44	37	32	54	43	36	32	41	35	31	39	34	30	38	33	29	28																			

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	3.5
10°-20°	1792.0	12.4
20°-30°	2640.6	18.2
30°-40°	2774.9	19.1
40°-50°	2123.3	14.6
50°-60°	1282.1	8.8
60°-70°	782.4	5.4
70°-80°	427.0	2.9
80°-90°	155.0	1.1
90°-100°	193.2	1.3
100°-110°	670.8	4.6
110°-120°	575.4	4.0
120°-130°	276.0	1.9
130°-140°	138.1	1.0
140°-150°	80.1	0.6
150°-160°	46.7	0.3
160°-170°	24.2	0.2
170°-180°	7.4	0.1
0°-30°	4940.4	34.1
0°-40°	7715.2	53.2
0°-60°	11120.7	76.7
0°-90°	12485.1	86.1
90°-120°	1439.3	9.9
90°-150°	1933.5	13.3
90°-180°	2012.0	13.9
0°-180°	14496.9	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°	4	28	39	52	58	7
95°	44	92	143	190	215	137
105°	836	827	703	501	460	793
115°	577	582	582	581	576	582
125°	282	297	302	302	299	264
135°	167	170	176	178	179	132
145°	121	124	127	128	128	77
155°	97	98	100	101	101	45
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3889.1	3889.1	3889.1	3889.1	3889.1
2.5°	3921.0	3961.0	4118.8	4282.5	4322.4
5°	3928.2	4214.3	4916.2	5489.4	5701.2
7.5°	3936.5	4624.8	5904.3	6606.2	6830.8
10°	3952.3	5143.8	6760.6	7264.4	7349.3
12.5°	3972.0	5693.6	7231.7	7213.3	7106.3
15°	4004.7	6237.4	7289.8	6802.4	6642.5
17.5°	4039.0	6697.5	7036.6	6355.2	6215.9
20°	4094.9	7039.1	6642.8	5957.6	5799.3
22.5°	4175.4	7226.8	6229.9	5598.0	5494.8
25°	4279.3	7239.1	5819.8	5269.0	5138.9
27.5°	4418.6	7071.1	5426.8	4946.6	4809.2
30°	4608.1	6749.6	5061.5	4557.8	4387.4
32.5°	4865.4	6286.8	4684.9	4088.6	3897.4
35°	5183.6	5797.2	4239.8	3530.9	3324.4
37.5°	5530.8	5253.5	3699.7	3037.1	2916.8
40°	5904.3	4693.2	3059.4	2574.9	2488.9
42.5°	6195.9	4084.3	2464.8	2139.8	2048.2
45°	6344.5	3307.9	1953.1	1718.6	1646.3
47.5°	6286.6	2567.8	1548.3	1365.5	1343.8
50°	5948.9	1896.0	1239.4	1124.8	1115.8
52.5°	5420.9	1413.3	1023.8	952.9	937.4
55°	4691.9	1121.7	889.1	824.0	821.5
57.5°	3939.3	952.9	807.0	756.7	739.2
60°	3136.5	849.7	744.8	687.9	652.4
62.5°	2458.6	777.5	699.1	621.9	588.7
65°	1881.0	710.1	654.1	559.7	531.2
67.5°	1402.2	645.9	599.1	494.3	477.7
70°	1021.7	580.0	536.3	439.6	426.4
72.5°	728.1	514.3	473.7	388.2	373.8
75°	500.8	441.6	405.1	334.3	320.7
77.5°	337.9	367.4	337.6	285.3	279.7
80°	225.7	291.3	273.0	241.8	238.3
82.5°	136.9	211.5	215.5	196.6	187.1
85°	74.6	136.9	161.4	147.1	133.4
87.5°	29.2	75.9	111.2	99.9	94.1
90°	4.2	28.3	39.2	51.7	57.5
92.5°	14.2	37.5	60.0	85.0	95.8
95°	44.2	92.5	143.3	190.0	215.0
97.5°	224.2	242.5	260.8	315.8	343.3
100°	460.0	488.3	394.2	416.7	424.2
102.5°	710.8	706.7	515.0	461.7	455.0
105°	835.8	826.7	703.3	500.8	460.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	673.3	683.3	670.0	650.8	624.2
115°	576.7	582.5	582.5	580.8	575.8
117.5°	493.3	494.2	497.5	496.7	497.5
120°	408.3	417.5	425.0	420.8	415.8
122.5°	342.5	352.5	357.5	355.8	350.8
125°	281.7	296.7	302.5	301.7	299.2
127.5°	238.3	249.2	257.5	258.3	257.5
130°	207.5	214.2	222.5	223.3	224.2
132.5°	184.2	190.0	195.8	199.2	198.3
135°	166.7	170.0	175.8	177.5	179.2
137.5°	152.5	155.0	160.0	162.5	162.5
140°	140.0	143.3	147.5	149.2	150.0
142.5°	129.2	132.5	135.8	137.5	137.5
145°	120.8	124.2	126.7	127.5	128.3
147.5°	113.3	116.7	118.3	120.0	120.0
150°	107.5	109.2	111.7	112.5	113.3
152.5°	101.7	103.3	105.8	106.7	106.7
155°	96.7	98.3	100.0	100.8	100.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	839.2	842.5	777.5	607.5	505.8
110°	774.2	781.7	744.2	680.0	598.3



(END OF REPORT)