

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: P828083

Luminaire Tested: **OHBL-30SE-NL-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828083
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-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

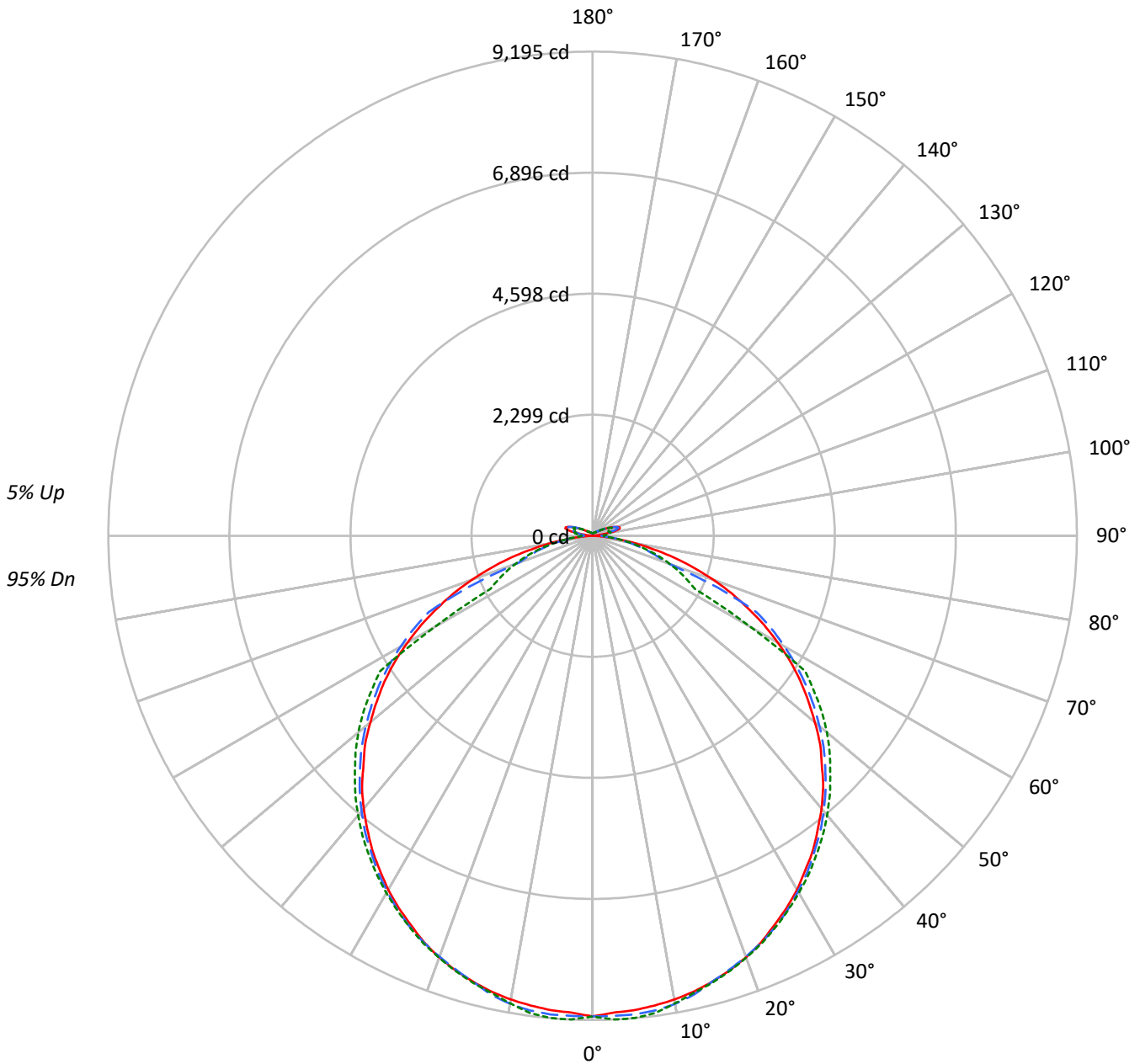
Lumens per Lamp: N/A
Luminaire Lumens: 26893.5 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 184.3
Input Voltage (V): NR
Input Current (A_{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	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°	15590	15590	15590
5°	15423	15561	15726
10°	15346	15489	15564
15°	15261	15253	15428
20°	15154	15125	15351
25°	14960	15029	15281
30°	14795	14862	15214
35°	14595	14664	15155
40°	14354	14477	15110
45°	14019	14215	15016
50°	13659	13920	14956
55°	13223	13545	14702
60°	12569	12992	11358
65°	11631	12281	7565
70°	10423	6314	7233
75°	8653	5705	6744
80°	6076	4773	5904
85°	2439	3824	5109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	867.2	3.2
10°-20°	2483.0	9.2
20°-30°	3778.1	14.0
30°-40°	4593.6	17.1
40°-50°	4829.9	18.0
50°-60°	4410.3	16.4
60°-70°	2827.2	10.5
70°-80°	1335.5	5.0
80°-90°	373.5	1.4
90°-100°	219.4	0.8
100°-110°	447.4	1.7
110°-120°	368.8	1.4
120°-130°	173.4	0.6
130°-140°	86.7	0.3
140°-150°	50.3	0.2
150°-160°	29.3	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	7128.2	26.5
0°-40°	11721.8	43.6
0°-60°	20962.0	77.9
0°-90°	25498.3	94.8
90°-120°	1035.6	3.9
90°-150°	1346.0	5.0
90°-180°	1395.0	5.2
0°-180°	26893.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9128	9128	9128	9128	9128	
5°	9043	9078	9125	9174	9194	860
15°	8769	8835	8768	8780	8787	2476
25°	8160	8173	8202	8215	8208	3765
35°	7294	7251	7334	7424	7403	4558
45°	6152	6141	6245	6392	6381	4755
55°	4821	4784	4946	5111	5124	4299
65°	3248	3248	3437	1972	1978	3220
75°	1605	1635	1062	1118	1123	1692
85°	210	266	332	359	340	310
90°	2	108	172	206	207	11
95°	28	106	195	261	280	86
105°	536	538	469	339	312	507
115°	371	374	383	376	359	372
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°	9127.8	9127.8	9127.8	9127.8	9127.8
2.5°	9063.8	9094.2	9127.8	9171.1	9195.0
5°	9042.9	9078.2	9124.7	9174.3	9193.5
7.5°	8998.2	9047.7	9092.6	9127.8	9139.1
10°	8942.0	9001.3	9027.0	9023.8	9015.8
12.5°	8866.8	8929.2	8921.3	8884.3	8890.8
15°	8769.1	8834.7	8767.5	8780.2	8786.7
17.5°	8653.8	8717.8	8639.3	8664.9	8666.6
20°	8519.2	8567.3	8506.4	8527.3	8527.3
22.5°	8357.5	8391.1	8365.5	8379.9	8383.1
25°	8160.4	8173.2	8202.0	8214.9	8208.4
27.5°	7971.6	7955.4	8011.6	8041.9	8025.8
30°	7761.6	7736.0	7801.7	7851.3	7832.2
32.5°	7521.3	7505.4	7580.7	7639.8	7628.7
35°	7293.9	7250.7	7334.0	7423.7	7402.8
37.5°	7024.8	6999.3	7093.7	7188.3	7177.1
40°	6762.2	6718.9	6826.2	6938.3	6927.2
42.5°	6480.3	6429.0	6546.0	6680.6	6667.8
45°	6151.9	6140.7	6244.8	6392.2	6381.0
47.5°	5860.6	5804.4	5950.1	6092.7	6105.6
50°	5508.0	5487.3	5620.2	5793.2	5805.9
52.5°	5163.8	5149.3	5288.6	5463.2	5485.7
55°	4820.9	4784.1	4945.9	5110.9	5123.8
57.5°	4454.3	4415.8	4580.8	4760.2	4787.3
60°	4061.8	4024.9	4205.9	4372.6	3477.2
62.5°	3669.3	3643.8	3832.8	2714.8	2188.0
65°	3248.2	3248.2	3437.0	1971.6	1978.1
67.5°	2854.2	2828.6	2562.8	1771.3	1771.3
70°	2431.3	2441.0	1476.7	1552.1	1553.6
72.5°	2006.9	2042.2	1275.0	1335.8	1338.9
75°	1604.8	1635.3	1061.8	1118.0	1122.8
77.5°	1178.8	906.5	853.6	897.0	898.6
80°	828.0	571.8	653.5	695.1	690.3
82.5°	483.6	400.3	478.8	509.4	507.7
85°	209.8	265.9	331.5	358.8	339.5
87.5°	67.2	165.0	206.5	222.7	220.9
90°	2.5	108.0	171.5	206.2	207.2
92.5°	8.3	93.7	166.5	213.6	223.4
95°	28.1	106.5	195.0	260.9	280.1
97.5°	141.6	189.4	245.3	307.9	326.2
100°	284.1	330.5	298.8	341.7	349.3
102.5°	459.7	459.1	352.8	341.2	337.9
105°	535.5	537.7	468.9	338.9	311.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	433.8	442.9	440.2	420.4	394.0
115°	371.3	374.5	382.6	376.2	359.0
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°	535.5	544.2	511.6	391.1	320.6
110°	496.3	505.2	488.3	439.6	376.5



(END OF REPORT)