

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: P828076

Luminaire Tested: **OHBL-30SE-A-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828076  
REPORT IS A COMBINATION OF REPORTS P826281 AND G3-2310-221-4  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-A-UNV-L935-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

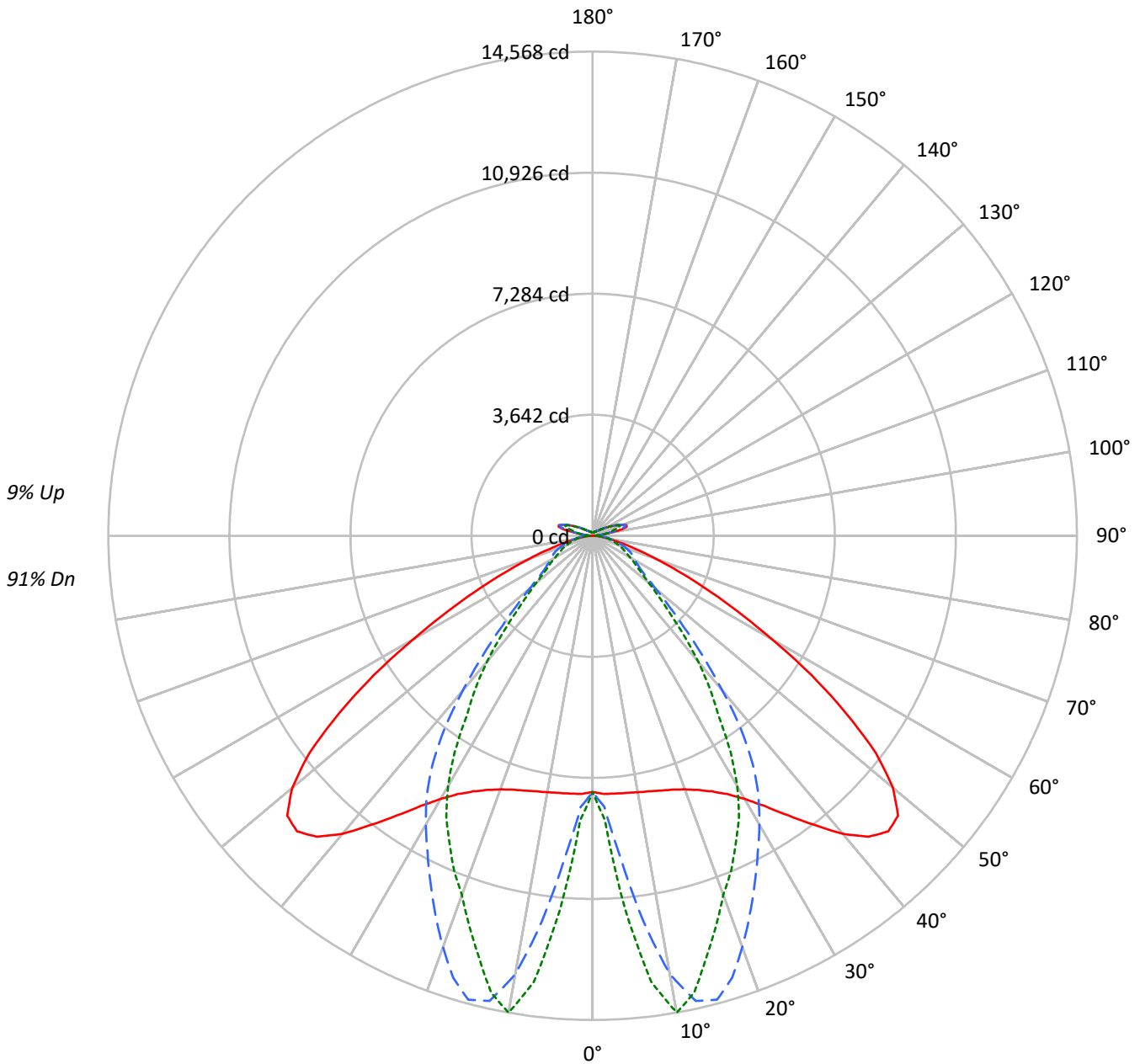
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27291.6 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 197.2  
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

TEST NUMBER: P828076

CATALOG NUMBER: OHBL-30SE-A-UNV-L935-CD-UPL30

### Luminous Intensity Polar Plot





TEST NUMBER: P828076

CATALOG NUMBER: OHBL-30SE-A-UNV-L935-CD-UPL30

**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	99	99	99	93	93	93	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	67	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	37	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	37	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

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

	0°	45°	90°
0°	13168	13168	13168
5°	13235	16561	19302
10°	13353	22832	25072
15°	13671	24873	23011
20°	14236	23079	20565
25°	15274	20755	18811
30°	17032	18689	16727
35°	20023	16357	13329
40°	24075	12457	10608
45°	27616	8487	7550
50°	27997	5821	5584
55°	24234	4581	4562
60°	18102	4287	4104
65°	12408	4300	3888
70°	7933	4148	3765
75°	4771	3839	3603
80°	2807	3374	3717
85°	1351	2897	3447



TEST NUMBER: P828076

CATALOG NUMBER: OHBL-30SE-A-UNV-L935-CD-UPL30

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1006.5	3.7
10°-20°	3552.3	13.0
20°-30°	5234.5	19.2
30°-40°	5500.7	20.2
40°-50°	4209.0	15.4
50°-60°	2541.6	9.3
60°-70°	1550.9	5.7
70°-80°	846.5	3.1
80°-90°	302.5	1.1
90°-100°	197.2	0.7
100°-110°	891.8	3.3
110°-120°	734.3	2.7
120°-130°	346.5	1.3
130°-140°	174.7	0.6
140°-150°	102.1	0.4
150°-160°	59.8	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	9793.3	35.9
0°-40°	15294.0	56.0
0°-60°	22044.6	80.8
0°-90°	24744.6	90.7
90°-120°	1823.3	6.7
90°-150°	2446.6	9.0
90°-180°	2547.0	9.3
0°-180°	27291.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7709	7709	7709	7709	7709	
5°	7787	8354	9746	10882	11302	744
15°	7938	12364	14450	13484	13168	2257
25°	8483	14350	11537	10445	10187	3965
35°	10275	11492	8405	6999	6590	6518
45°	12577	6557	3872	3407	3264	9503
55°	9301	2224	1762	1633	1628	8219
65°	3729	1408	1297	1110	1053	3821
75°	993	875	803	662	636	1142
85°	148	271	320	292	264	183
90°	6	34	45	51	51	12
95°	48	96	117	148	158	172
105°	1064	1072	990	743	654	1005
115°	735	735	734	738	722	737
125°	362	372	382	372	368	338
135°	212	217	222	226	226	168
145°	155	158	162	163	163	98
155°	124	127	128	130	130	58
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



TEST NUMBER: P828076

CATALOG NUMBER: OHBL-30SE-A-UNV-L935-CD-UPL30

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7709.4	7709.4	7709.4	7709.4	7709.4
2.5°	7772.5	7851.9	8164.6	8489.2	8568.2
5°	7786.8	8354.1	9745.5	10881.8	11301.6
7.5°	7803.2	9167.7	11704.2	13095.4	13540.7
10°	7834.7	10196.4	13401.5	14400.2	14568.5
12.5°	7873.7	11286.4	14335.4	14299.1	14086.8
15°	7938.5	12364.4	14450.5	13484.5	13167.5
17.5°	8006.6	13276.6	13948.7	12597.8	12321.8
20°	8117.3	13953.6	13168.2	11809.8	11496.0
22.5°	8277.0	14325.8	12349.6	11097.0	10892.3
25°	8483.0	14350.0	11536.7	10444.8	10186.8
27.5°	8759.0	14017.1	10757.4	9805.7	9533.2
30°	9134.6	13379.7	10033.4	9035.1	8697.2
32.5°	9644.7	12462.3	9287.0	8104.8	7725.9
35°	10275.4	11491.7	8404.7	6999.3	6590.0
37.5°	10963.8	10414.0	7333.8	6020.4	5782.1
40°	11704.2	9303.5	6064.7	5104.3	4933.8
42.5°	12282.2	8096.2	4885.8	4241.8	4060.3
45°	12576.7	6557.2	3871.6	3406.8	3263.6
47.5°	12462.0	5090.1	3069.2	2706.9	2663.9
50°	11792.5	3758.5	2456.9	2229.8	2212.0
52.5°	10745.9	2801.4	2029.5	1889.0	1858.3
55°	9300.8	2223.6	1762.4	1633.4	1628.5
57.5°	7808.9	1889.0	1599.8	1499.9	1465.2
60°	6217.4	1684.3	1476.4	1363.7	1293.3
62.5°	4873.6	1541.2	1385.8	1232.8	1167.0
65°	3728.8	1407.7	1296.6	1109.5	1052.9
67.5°	2779.6	1280.4	1187.5	979.8	946.8
70°	2025.2	1149.8	1063.2	871.4	845.3
72.5°	1443.3	1019.6	938.9	769.6	740.8
75°	992.8	875.4	803.0	662.5	635.8
77.5°	669.8	728.3	669.1	565.7	554.4
80°	447.3	577.6	541.2	479.3	472.4
82.5°	271.4	419.2	427.1	389.8	370.9
85°	147.8	271.4	320.0	291.6	264.5
87.5°	57.8	150.4	220.5	198.0	186.4
90°	5.8	34.2	45.0	50.8	50.8
92.5°	17.5	42.5	55.0	67.5	69.2
95°	47.5	95.8	116.7	147.5	158.3
97.5°	290.0	288.3	250.0	290.8	323.3
100°	572.5	605.0	450.8	458.3	462.5
102.5°	903.3	920.0	718.3	595.0	570.0
105°	1064.2	1072.5	990.0	743.3	654.2



TEST NUMBER: P828076

CATALOG NUMBER: OHBL-30SE-A-UNV-L935-CD-UPL30

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	853.3	860.0	860.8	850.0	830.0
115°	735.0	735.0	734.2	737.5	722.5
117.5°	620.0	624.2	625.8	619.2	612.5
120°	521.7	529.2	527.5	522.5	515.8
122.5°	435.8	448.3	452.5	443.3	435.8
125°	361.7	372.5	382.5	372.5	367.5
127.5°	306.7	314.2	321.7	320.8	316.7
130°	264.2	270.8	279.2	280.8	280.0
132.5°	235.0	240.8	246.7	249.2	248.3
135°	212.5	216.7	221.7	225.8	225.8
137.5°	192.5	198.3	202.5	205.8	205.8
140°	178.3	182.5	186.7	188.3	189.2
142.5°	165.8	169.2	173.3	175.0	175.8
145°	155.0	157.5	161.7	163.3	163.3
147.5°	145.0	148.3	151.7	153.3	153.3
150°	137.5	140.0	143.3	144.2	145.0
152.5°	130.8	132.5	135.0	136.7	136.7
155°	124.2	126.7	128.3	130.0	130.0
157.5°	119.2	120.8	122.5	123.3	124.2
160°	115.0	115.8	117.5	118.3	119.2
162.5°	110.0	111.7	112.5	113.3	114.2
165°	106.7	107.5	108.3	110.0	110.0
167.5°	103.3	104.2	105.0	105.8	105.8
170°	100.8	101.7	102.5	102.5	102.5
172.5°	98.3	99.2	100.0	100.0	100.0
175°	96.7	97.5	97.5	98.3	98.3
177.5°	95.8	96.7	96.7	96.7	97.5
180°	95.8	95.8	95.8	95.8	95.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1063.3	1078.3	1039.2	910.0	793.3
110°	975.0	992.5	971.7	929.2	870.8



(END OF REPORT)