

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: P827942

Luminaire Tested: **OHB-30SE-W-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827942  
REPORT IS A COMBINATION OF REPORTS P826274 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: OHB-30SE-W-UNV-L935-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

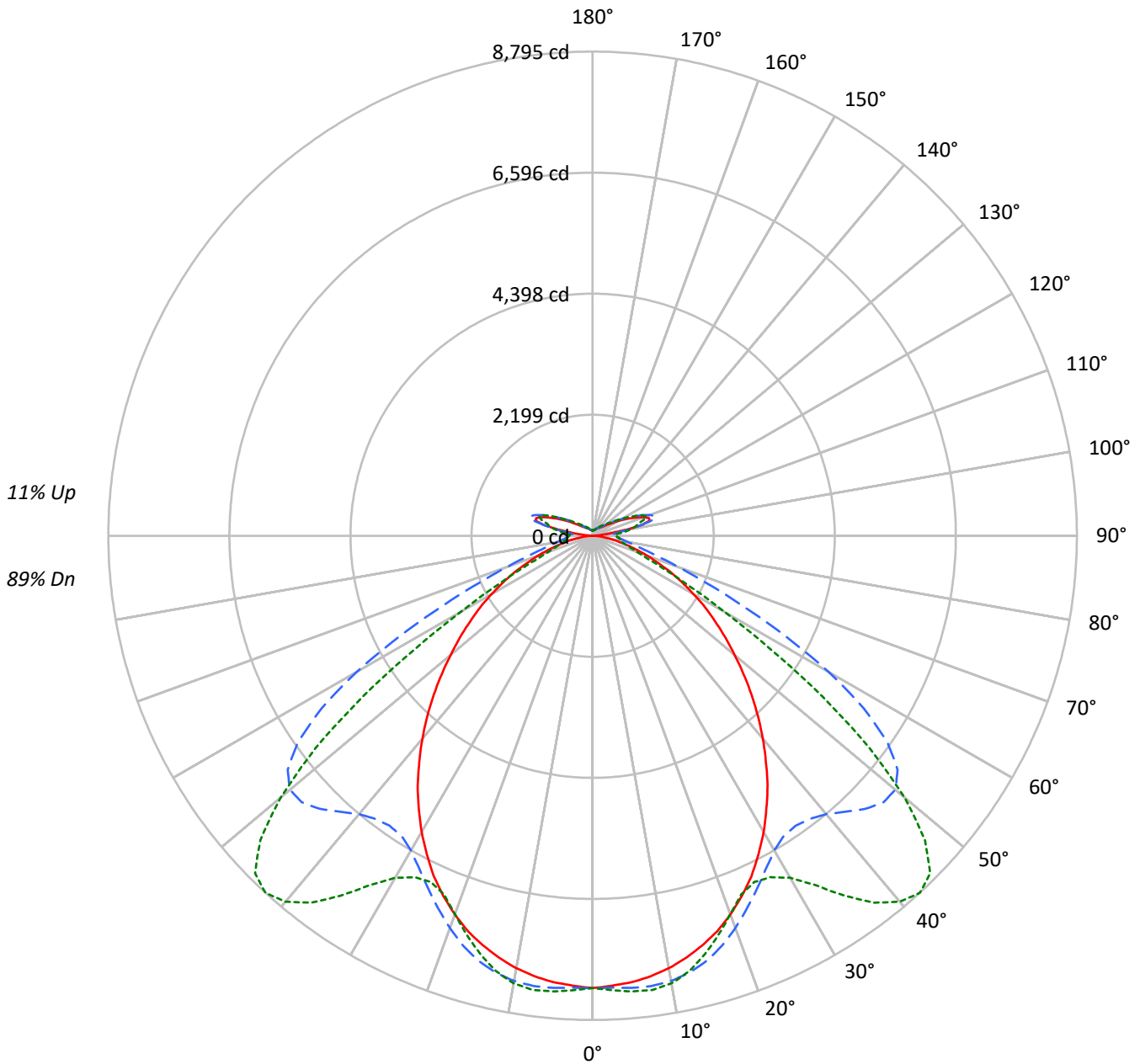
Lumens per Lamp: N/A  
Luminaire Lumens: 27150.8 lumens  
Efficiency: N/A  
Efficacy: 133.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 204.2  
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									
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	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	56	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

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

	0°	45°	90°
0°	27444	27444	27444
5°	27056	27335	27655
10°	26586	27223	27586
15°	25939	26703	26602
20°	25103	25716	25200
25°	24031	24540	24595
30°	22655	23649	26350
35°	21110	24010	30689
40°	19346	25913	35289
45°	17515	29278	37704
50°	15621	32229	34841
55°	13838	32018	26397
60°	12031	26912	15970
65°	10140	18430	9542
70°	8039	11784	6760
75°	5897	8314	6092
80°	3981	7124	6549
85°	2377	7484	9341



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	785.1	2.9
10°-20°	2223.1	8.2
20°-30°	3253.1	12.0
30°-40°	4224.9	15.6
40°-50°	5159.1	19.0
50°-60°	4543.4	16.7
60°-70°	2367.6	8.7
70°-80°	1015.3	3.7
80°-90°	493.0	1.8
90°-100°	426.3	1.6
100°-110°	1034.2	3.8
110°-120°	818.4	3.0
120°-130°	392.3	1.4
130°-140°	197.7	0.7
140°-150°	113.2	0.4
150°-160°	63.7	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	6261.3	23.1
0°-40°	10486.1	38.6
0°-60°	20188.6	74.4
0°-90°	24064.5	88.6
90°-120°	2279.0	8.4
90°-150°	2982.1	11.0
90°-180°	3086.0	11.4
0°-180°	27150.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8215	8215	8215	8215	8215	
5°	8139	8201	8246	8318	8309	772
15°	7701	7918	7994	7934	7870	2168
25°	6824	7189	7067	6934	6941	3132
35°	5539	6124	6430	7499	7980	3452
45°	4078	5131	7014	8492	8669	3145
55°	2715	4495	6532	5727	5090	2437
65°	1558	3114	2990	1663	1430	1541
75°	627	1457	961	658	624	684
85°	133	519	489	479	484	148
90°	8	222	368	420	428	13
95°	51	206	374	449	468	174
105°	1071	1134	1157	944	858	1012
115°	746	770	837	863	852	748
125°	374	390	443	450	447	349
135°	223	227	250	274	276	176
145°	169	168	174	186	190	107
155°	138	141	139	141	141	63
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8215.4	8215.4	8215.4	8215.4	8215.4
2.5°	8179.9	8215.4	8217.2	8266.8	8261.5
5°	8139.2	8201.2	8245.5	8318.2	8309.3
7.5°	8071.8	8169.3	8247.3	8327.1	8320.0
10°	7976.1	8109.1	8211.8	8277.4	8256.2
12.5°	7852.0	8027.5	8128.6	8142.8	8101.9
15°	7701.4	7917.6	7993.8	7933.6	7869.8
17.5°	7531.2	7784.7	7811.2	7680.1	7600.3
20°	7318.5	7607.4	7580.8	7400.1	7311.4
22.5°	7082.8	7412.5	7327.4	7137.8	7052.7
25°	6824.0	7189.2	7066.8	6933.9	6941.0
27.5°	6520.9	6935.7	6816.9	6877.2	6990.6
30°	6212.5	6669.8	6597.2	6948.1	7171.4
32.5°	5874.0	6396.8	6462.4	7155.4	7520.6
35°	5539.0	6123.9	6430.5	7499.3	7979.7
37.5°	5168.5	5847.4	6481.9	7896.3	8399.8
40°	4808.8	5578.0	6598.9	8252.6	8678.0
42.5°	4441.8	5336.9	6795.7	8463.5	8795.0
45°	4078.4	5131.3	7013.7	8491.9	8669.2
47.5°	3715.1	4957.6	7164.3	8266.8	8185.2
50°	3364.2	4803.4	7174.9	7726.2	7393.0
52.5°	3036.2	4661.6	6980.0	6864.8	6347.2
55°	2715.4	4495.0	6531.6	5726.8	5090.5
57.5°	2423.0	4264.6	5840.2	4503.8	3809.0
60°	2112.8	3952.6	4947.0	3295.0	2747.3
62.5°	1827.4	3564.4	3945.5	2293.6	1974.5
65°	1558.0	3114.2	2990.2	1662.6	1430.4
67.5°	1272.7	2648.1	2206.8	1212.3	1063.5
70°	1049.3	2215.6	1643.1	942.9	856.1
72.5°	820.7	1804.3	1228.3	765.7	717.8
75°	627.4	1457.0	960.7	657.6	623.9
77.5°	462.6	1152.1	772.8	581.3	549.5
80°	324.3	907.5	646.9	519.3	506.9
82.5°	218.0	701.9	551.2	494.5	496.2
85°	132.9	519.3	489.2	478.6	483.9
87.5°	63.8	368.7	420.1	436.0	441.3
90°	7.6	222.1	367.6	419.5	428.3
92.5°	17.5	186.1	338.6	397.2	407.7
95°	51.1	205.8	373.7	448.8	468.5
97.5°	293.6	378.8	480.4	567.3	605.2
100°	577.8	683.0	656.4	708.2	717.8
102.5°	908.7	989.2	902.7	818.3	796.9
105°	1071.2	1134.5	1156.6	943.6	858.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	864.0	902.5	977.8	991.8	975.3
115°	745.7	770.4	837.0	863.3	851.9
117.5°	632.4	656.1	716.2	730.8	725.9
120°	534.1	555.8	605.5	621.8	616.8
122.5°	448.2	469.6	521.7	531.9	526.2
125°	374.1	390.2	442.8	450.5	447.3
127.5°	317.3	326.6	373.1	390.0	387.6
130°	274.8	281.5	321.7	341.1	343.8
132.5°	245.7	251.5	282.1	302.3	305.1
135°	223.2	227.3	250.0	273.7	275.5
137.5°	203.2	209.0	225.6	246.6	250.2
140°	189.0	193.2	204.4	223.8	226.4
142.5°	178.2	179.8	189.2	205.2	207.8
145°	169.2	168.2	174.1	186.4	189.9
147.5°	159.2	160.8	164.1	172.8	174.6
150°	151.7	154.2	154.0	158.3	162.8
152.5°	145.0	146.7	145.7	147.3	150.8
155°	138.3	140.8	139.0	140.7	140.7
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°	1072.2	1133.3	1188.1	1089.0	975.9
110°	983.8	1040.3	1102.8	1088.7	1033.9



(END OF REPORT)