

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: P827786

Luminaire Tested: **OHBL-30SE-W-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827786  
REPORT IS A COMBINATION OF REPORTS P826286 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-W-UNV-L930-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

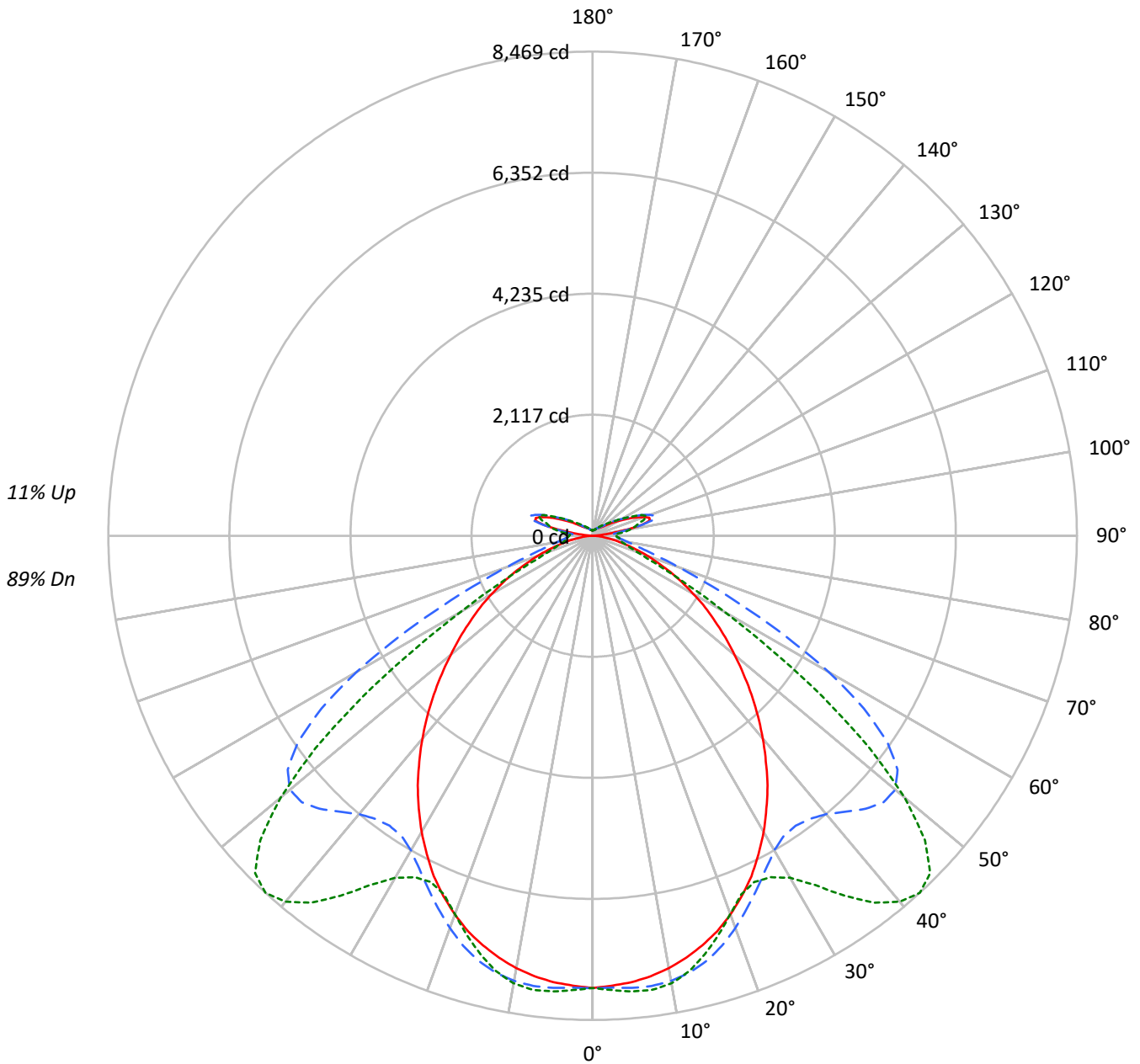
Lumens per Lamp: N/A  
Luminaire Lumens: 26161.7 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 197.2  
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				20				
RC	80				70				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	86	81	76	81	76	72	76	72	69	72	68	66	63			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53			
4	81	69	61	54	78	67	60	54	63	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°	13511	13511	13511
5°	13320	13492	13665
10°	13089	13472	13681
15°	12770	13249	13243
20°	12359	12793	12594
25°	11831	12242	12342
30°	11154	11832	13281
35°	10393	12051	15541
40°	9524	13051	17966
45°	8623	14804	19312
50°	7691	16370	17971
55°	6813	16349	13732
60°	5923	13831	8396
65°	4992	9549	5085
70°	3958	6173	3672
75°	2903	4423	3405
80°	1960	3884	3841
85°	1170	4264	6071



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	755.9	2.9
10°-20°	2140.6	8.2
20°-30°	3132.4	12.0
30°-40°	4068.1	15.5
40°-50°	4967.7	19.0
50°-60°	4374.8	16.7
60°-70°	2279.7	8.7
70°-80°	977.6	3.7
80°-90°	474.7	1.8
90°-100°	411.9	1.6
100°-110°	1002.2	3.8
110°-120°	793.3	3.0
120°-130°	380.2	1.5
130°-140°	191.6	0.7
140°-150°	109.7	0.4
150°-160°	61.8	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	6029.0	23.0
0°-40°	10097.1	38.6
0°-60°	19439.6	74.3
0°-90°	23171.8	88.6
90°-120°	2207.4	8.4
90°-150°	2888.8	11.0
90°-180°	2990.0	11.4
0°-180°	26161.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7911	7911	7911	7911	7911	
5°	7837	7897	7940	8010	8001	743
15°	7416	7624	7697	7639	7578	2088
25°	6571	6922	6805	6677	6684	3015
35°	5334	5897	6192	7221	7684	3324
45°	3927	4941	6754	8177	8348	3028
55°	2615	4328	6289	5514	4902	2347
65°	1500	2999	2879	1601	1377	1484
75°	604	1403	925	633	601	659
85°	128	500	471	461	466	143
90°	7	214	354	404	413	13
95°	50	199	361	433	452	169
105°	1039	1100	1121	914	831	982
115°	723	747	811	836	825	725
125°	363	378	429	436	433	338
135°	216	220	242	265	267	171
145°	164	163	169	181	184	104
155°	134	136	135	136	136	61
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7910.6	7910.6	7910.6	7910.6	7910.6
2.5°	7876.5	7910.6	7912.3	7960.1	7955.0
5°	7837.2	7896.9	7939.6	8009.6	8001.0
7.5°	7772.4	7866.2	7941.3	8018.2	8011.3
10°	7680.2	7808.2	7907.2	7970.3	7949.9
12.5°	7560.7	7729.7	7827.0	7840.7	7801.4
15°	7415.6	7623.9	7697.3	7639.2	7577.8
17.5°	7251.8	7495.9	7521.5	7395.2	7318.4
20°	7047.0	7325.2	7299.7	7125.5	7040.2
22.5°	6820.0	7137.5	7055.5	6872.9	6791.1
25°	6570.9	6922.4	6804.6	6676.7	6683.5
27.5°	6279.0	6678.4	6564.0	6622.0	6731.3
30°	5982.1	6422.4	6352.4	6690.3	6905.3
32.5°	5656.1	6159.5	6222.7	6890.0	7241.6
35°	5333.5	5896.7	6192.0	7221.1	7683.6
37.5°	4976.7	5630.4	6241.5	7603.4	8088.1
40°	4630.3	5371.1	6354.1	7946.5	8356.1
42.5°	4277.1	5138.9	6543.5	8149.5	8468.7
45°	3927.1	4940.9	6753.5	8176.9	8347.6
47.5°	3577.3	4773.7	6898.6	7960.1	7881.6
50°	3239.3	4625.2	6908.7	7439.6	7118.7
52.5°	2923.6	4488.7	6721.0	6610.1	6111.7
55°	2614.7	4328.2	6289.2	5514.4	4901.7
57.5°	2333.1	4106.3	5623.7	4336.8	3667.7
60°	2034.4	3806.0	4763.4	3172.8	2645.4
62.5°	1759.7	3432.2	3799.2	2208.4	1901.3
65°	1500.2	2998.7	2879.2	1600.9	1377.3
67.5°	1225.4	2549.8	2124.9	1167.4	1024.0
70°	1010.3	2133.4	1582.2	908.0	824.3
72.5°	790.2	1737.4	1182.8	737.3	691.2
75°	604.1	1402.9	925.1	633.2	600.8
77.5°	445.5	1109.4	744.2	559.8	529.1
80°	312.3	873.8	623.0	500.0	488.2
82.5°	209.9	675.8	530.8	476.2	477.9
85°	128.0	500.0	471.0	460.8	465.9
87.5°	61.4	355.0	404.5	419.8	424.9
90°	7.4	214.0	354.3	404.3	412.8
92.5°	17.0	179.5	326.4	382.9	393.1
95°	49.5	198.8	360.7	433.2	452.3
97.5°	284.7	366.7	464.4	548.4	585.0
100°	560.4	661.9	635.3	685.2	694.4
102.5°	881.3	958.9	874.3	792.2	771.4
105°	1039.0	1100.1	1120.8	913.9	830.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	838.0	875.2	947.7	961.0	945.0
115°	723.2	747.1	811.2	836.5	825.4
117.5°	613.4	636.2	694.1	708.1	703.3
120°	518.0	538.9	586.8	602.4	597.6
122.5°	434.7	455.3	505.5	515.4	509.8
125°	362.8	378.4	429.1	436.4	433.3
127.5°	307.7	316.7	361.5	377.7	375.5
130°	266.5	273.0	311.8	330.4	333.0
132.5°	238.2	243.9	273.4	292.9	295.5
135°	216.4	220.4	242.3	265.1	266.8
137.5°	197.0	202.6	218.6	238.9	242.3
140°	183.2	187.3	198.1	216.8	219.3
142.5°	172.8	174.4	183.5	198.8	201.3
145°	164.0	163.0	168.8	180.6	184.1
147.5°	154.3	155.8	159.1	167.5	169.2
150°	147.0	149.5	149.3	153.5	157.7
152.5°	140.6	142.2	141.2	142.8	146.2
155°	134.1	136.5	134.7	136.4	136.4
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1040.0	1098.9	1151.4	1055.1	<i>945.3</i>
110°	954.3	1008.8	1068.8	1054.9	<i>1001.7</i>



(END OF REPORT)