

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: P826583

Luminaire Tested: **OHBL-30SE-NL-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826583
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-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

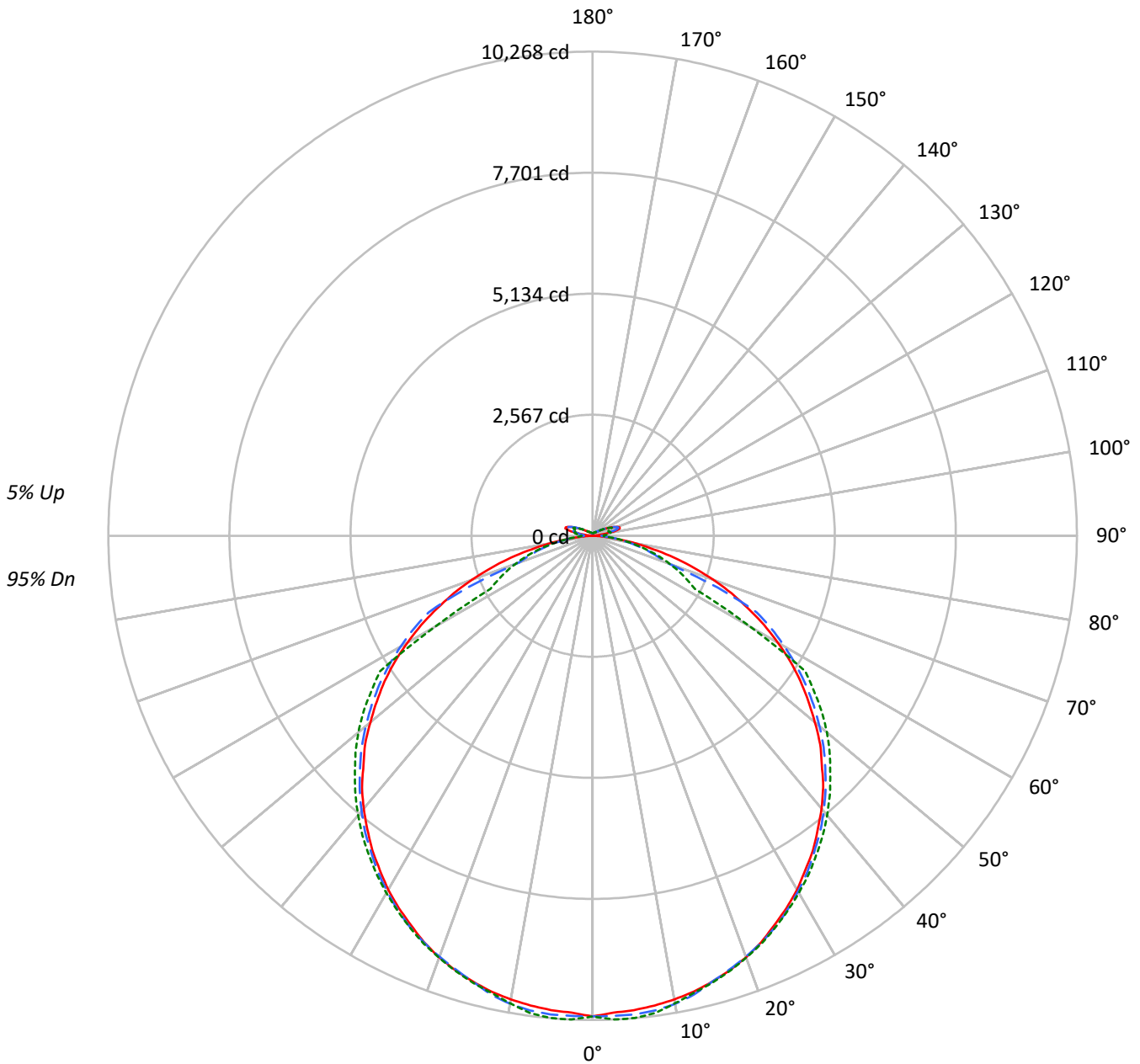
Lumens per Lamp: N/A
Luminaire Lumens: 30031.1 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 184.3
Input Voltage (V): NR
Input Current (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

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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°	17409	17409	17409
5°	17223	17377	17561
10°	17136	17296	17380
15°	17041	17033	17228
20°	16922	16889	17142
25°	16706	16782	17064
30°	16521	16596	16989
35°	16298	16375	16923
40°	16029	16166	16872
45°	15654	15874	16768
50°	15252	15544	16701
55°	14765	15126	16417
60°	14035	14508	12683
65°	12988	13713	8448
70°	11639	7050	8076
75°	9663	6371	7530
80°	6785	5330	6594
85°	2723	4271	5705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	968.3	3.2
10°-20°	2772.7	9.2
20°-30°	4218.8	14.0
30°-40°	5129.5	17.1
40°-50°	5393.4	18.0
50°-60°	4924.8	16.4
60°-70°	3157.1	10.5
70°-80°	1491.4	5.0
80°-90°	417.1	1.4
90°-100°	245.0	0.8
100°-110°	499.5	1.7
110°-120°	411.8	1.4
120°-130°	193.6	0.6
130°-140°	96.8	0.3
140°-150°	56.2	0.2
150°-160°	32.8	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	7959.8	26.5
0°-40°	13089.3	43.6
0°-60°	23407.6	77.9
0°-90°	28473.1	94.8
90°-120°	1156.4	3.9
90°-150°	1503.0	5.0
90°-180°	1558.0	5.2
0°-180°	30031.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10193	10193	10193	10193	10193	
5°	10098	10137	10189	10245	10266	960
15°	9792	9865	9790	9805	9812	2764
25°	9112	9127	9159	9173	9166	4205
35°	8145	8097	8190	8290	8266	5090
45°	6870	6857	6973	7138	7125	5310
55°	5383	5342	5523	5707	5722	4801
65°	3627	3627	3838	2202	2209	3596
75°	1792	1826	1186	1248	1254	1889
85°	234	297	370	401	379	346
90°	3	121	192	230	231	12
95°	31	119	218	291	313	96
105°	598	600	524	378	348	567
115°	415	418	427	420	401	416
125°	196	208	213	211	210	186
135°	116	120	123	125	126	92
145°	85	86	88	90	90	54
155°	68	69	71	71	72	32
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10192.7	10192.7	10192.7	10192.7	10192.7
2.5°	10121.2	10155.2	10192.7	10241.0	10267.8
5°	10097.9	10137.3	10189.2	10244.7	10266.1
7.5°	10048.0	10103.2	10153.4	10192.7	10205.3
10°	9985.2	10051.5	10080.2	10076.5	10067.6
12.5°	9901.2	9971.0	9962.2	9920.8	9928.1
15°	9792.1	9865.4	9790.4	9804.6	9811.8
17.5°	9663.4	9734.9	9647.3	9675.8	9677.7
20°	9513.2	9566.8	9498.8	9522.1	9522.1
22.5°	9332.5	9370.0	9341.5	9357.6	9361.1
25°	9112.5	9126.7	9158.9	9173.3	9166.1
27.5°	8901.6	8883.5	8946.3	8980.1	8962.2
30°	8667.1	8638.5	8711.9	8767.3	8745.9
32.5°	8398.8	8381.0	8465.1	8531.1	8518.7
35°	8144.9	8096.6	8189.6	8289.8	8266.5
37.5°	7844.4	7815.8	7921.3	8027.0	8014.4
40°	7551.1	7502.8	7622.6	7747.8	7735.3
42.5°	7236.4	7179.0	7309.7	7460.0	7445.7
45°	6869.6	6857.1	6973.4	7137.9	7125.4
47.5°	6544.3	6481.6	6644.3	6803.5	6817.9
50°	6150.6	6127.5	6275.9	6469.1	6483.3
52.5°	5766.2	5750.1	5905.6	6100.6	6125.7
55°	5383.4	5342.2	5522.9	5707.2	5721.5
57.5°	4974.0	4931.0	5115.3	5315.5	5345.9
60°	4535.6	4494.5	4696.6	4882.7	3882.9
62.5°	4097.4	4068.9	4280.0	3031.6	2443.3
65°	3627.1	3627.1	3838.0	2201.6	2208.9
67.5°	3187.2	3158.6	2861.7	1978.0	1978.0
70°	2715.0	2725.8	1648.9	1733.2	1734.8
72.5°	2241.1	2280.4	1423.8	1491.6	1495.1
75°	1792.1	1826.1	1185.7	1248.4	1253.7
77.5°	1316.4	1012.3	953.2	1001.6	1003.4
80°	924.6	638.5	729.7	776.2	770.9
82.5°	540.0	447.0	534.7	568.8	566.9
85°	234.2	296.9	370.2	400.7	379.1
87.5°	75.0	184.2	230.6	248.6	246.7
90°	2.8	120.6	191.5	230.2	231.4
92.5°	9.3	104.6	185.9	238.5	249.5
95°	31.4	118.9	217.8	291.4	312.8
97.5°	158.1	211.5	273.9	343.8	364.2
100°	317.2	369.1	333.7	381.5	390.0
102.5°	513.3	512.6	394.0	381.1	377.3
105°	598.0	600.4	523.6	378.5	347.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	484.4	494.6	491.5	469.5	440.0
115°	414.7	418.2	427.2	420.1	400.9
117.5°	348.0	346.2	349.9	348.0	346.2
120°	290.3	294.1	295.0	293.1	292.2
122.5°	240.1	247.5	252.2	249.4	248.5
125°	196.3	207.5	213.1	211.2	210.3
127.5°	167.5	174.0	181.5	181.5	179.6
130°	145.2	149.8	155.4	156.3	156.3
132.5°	129.3	133.1	137.7	138.7	139.6
135°	116.3	120.0	122.8	124.7	125.6
137.5°	107.0	108.9	112.6	113.5	114.5
140°	97.7	100.5	103.3	104.2	105.2
142.5°	91.2	93.1	94.9	96.8	96.8
145°	84.7	86.5	88.4	90.3	90.3
147.5°	80.0	81.9	83.8	83.8	84.7
150°	75.4	77.2	78.2	79.1	79.1
152.5°	71.7	72.6	74.4	74.4	75.4
155°	67.9	68.9	70.7	70.7	71.7
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	598.0	607.7	571.3	436.7	358.0
110°	554.2	564.2	545.3	490.9	420.4



(END OF REPORT)