

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: P826582

Luminaire Tested: **OHBL-30SE-N-UNV-L830-CD-UPL30**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P826582
REPORT IS A COMBINATION OF REPORTS P826284 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-N-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

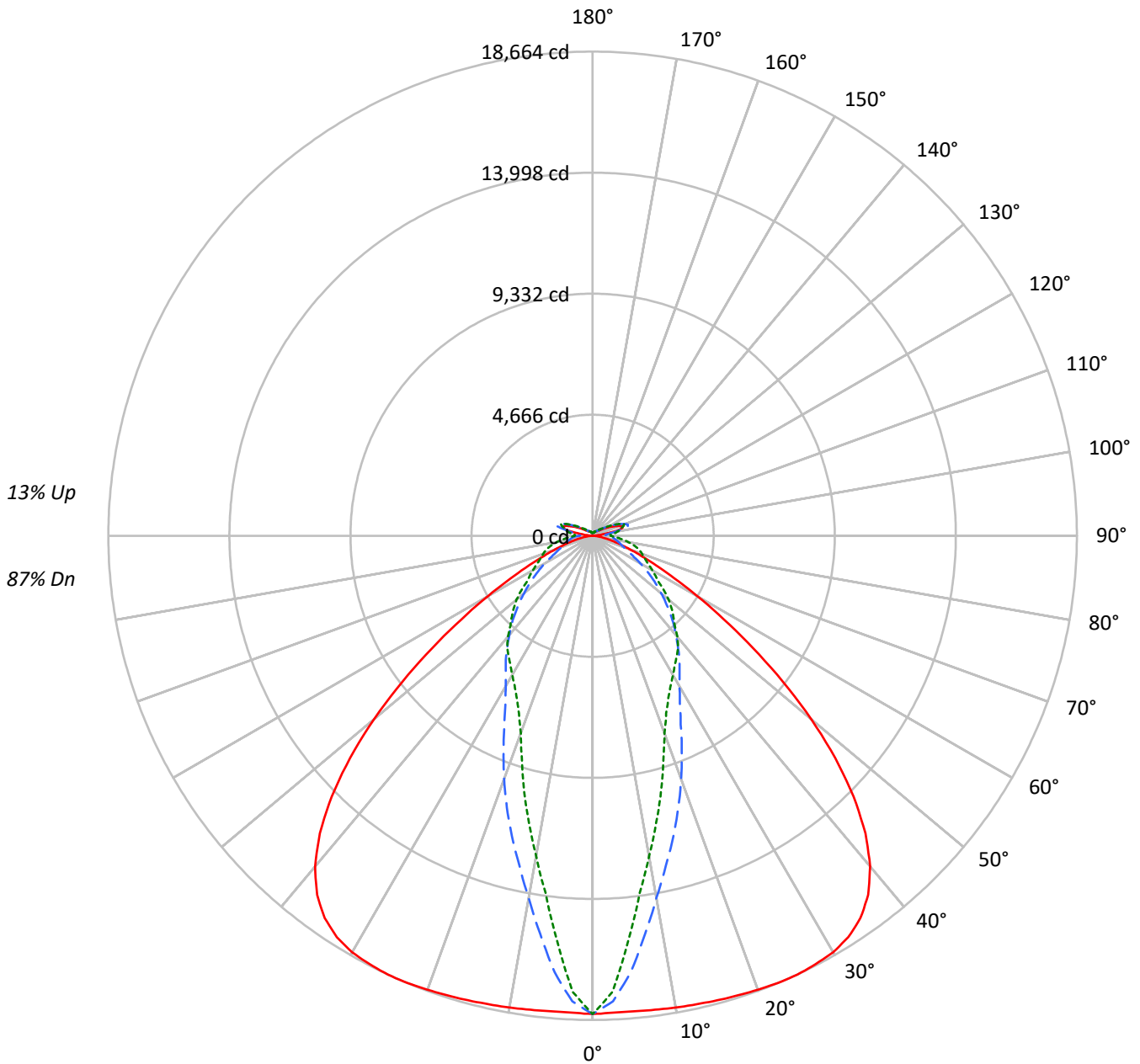
Lumens per Lamp: N/A
Luminaire Lumens: 30061.5 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 197.2
Input Voltage (V): NR
Input Current (A_{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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	87				87															
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	77	75				75															
2	98	91	84	79	94	88	82	77	82	78	74	77	73	70	72	70	67	64				64															
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56				56															
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49				49															
5	77	66	58	52	75	64	56	51	60	54	49	57	52	47	54	50	46	44				44															
6	72	60	52	46	69	58	51	45	55	49	44	52	47	43	50	45	41	39				39															
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35				35															
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32				32															
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29				29															
10	55	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27				27															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31490	31490	31490
5°	31274	28677	26793
10°	31473	24156	21589
15°	31929	20659	17808
20°	32657	17468	14477
25°	33605	14459	12754
30°	34567	12456	11917
35°	35065	11352	11425
40°	34225	10254	10915
45°	31237	9266	10185
50°	26113	8187	9648
55°	19624	7170	8681
60°	13564	6149	8426
65°	8963	5296	8397
70°	5974	4970	9028
75°	3997	5126	10004
80°	2588	5677	10950
85°	1331	7101	13055



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1552.0	5.2
10°-20°	3651.0	12.1
20°-30°	4576.5	15.2
30°-40°	4856.2	16.2
40°-50°	4390.8	14.6
50°-60°	3183.6	10.6
60°-70°	1997.9	6.6
70°-80°	1322.1	4.4
80°-90°	767.7	2.6
90°-100°	589.3	2.0
100°-110°	1250.6	4.2
110°-120°	977.1	3.3
120°-130°	463.0	1.5
130°-140°	230.1	0.8
140°-150°	133.2	0.4
150°-160°	75.2	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	9779.6	32.5
0°-40°	14635.8	48.7
0°-60°	22210.2	73.9
0°-90°	26297.9	87.5
90°-120°	2817.0	9.4
90°-150°	3643.2	12.1
90°-180°	3764.0	12.5
0°-180°	30061.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18437	18437	18437	18437	18437	
5°	18400	17928	16875	16093	15687	###
15°	18541	15112	12002	10674	10190	5258
25°	18664	11685	8037	7133	6907	8622
35°	17995	7768	5833	5650	5649	11187
45°	14226	4920	4227	4329	4403	10837
55°	7531	3050	2758	2992	3099	6805
65°	2694	1769	1597	2046	2274	2803
75°	832	953	1072	1665	1765	927
85°	146	395	784	1091	1002	175
90°	6	203	505	697	702	14
95°	60	223	530	709	745	198
105°	1202	1275	1397	1216	1127	1136
115°	840	875	1016	1069	1058	841
125°	425	444	527	542	535	396
135°	255	263	291	321	321	201
145°	194	199	207	223	221	123
155°	160	168	171	175	172	71
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



TEST NUMBER: P826582

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18437.1	18437.1	18437.1	18437.1	18437.1
2.5°	18398.5	18293.2	17965.1	17765.0	17596.6
5°	18400.2	17928.3	16875.3	16092.7	15687.4
7.5°	18426.6	17377.3	15480.4	14338.0	13892.4
10°	18467.0	16694.6	14178.3	12960.6	12544.6
12.5°	18496.7	15926.1	13032.5	11781.4	11325.1
15°	18540.7	15111.8	12002.5	10674.1	10189.8
17.5°	18581.0	14345.1	10984.7	9596.7	9058.0
20°	18621.3	13518.6	9967.0	8536.8	8092.9
22.5°	18660.0	12646.4	8973.8	7713.8	7410.3
25°	18663.5	11684.9	8036.7	7133.1	6906.7
27.5°	18617.8	10688.2	7276.9	6647.0	6506.6
30°	18538.9	9721.3	6687.3	6296.0	6196.0
32.5°	18342.4	8735.1	6231.1	5957.3	5899.4
35°	17994.9	7768.3	5832.8	5650.2	5648.6
37.5°	17447.5	6910.2	5401.1	5369.5	5408.1
40°	16638.5	6159.2	4992.2	5076.5	5076.5
42.5°	15559.4	5506.4	4622.0	4708.0	4685.2
45°	14225.7	4920.3	4227.1	4328.9	4402.6
47.5°	12679.8	4404.4	3823.6	4020.1	4121.9
50°	10998.7	3913.1	3455.1	3706.0	3821.8
52.5°	9237.0	3458.6	3095.4	3383.1	3476.2
55°	7531.4	3049.7	2758.4	2991.8	3098.8
57.5°	5987.2	2660.2	2428.6	2649.7	2870.8
60°	4658.8	2325.0	2117.9	2433.9	2655.0
62.5°	3558.6	2026.8	1826.7	2232.0	2453.1
65°	2693.5	1768.8	1596.8	2046.0	2274.2
67.5°	2030.3	1545.9	1417.8	1910.9	2133.8
70°	1524.9	1330.1	1273.9	1826.7	2026.8
72.5°	1126.5	1131.8	1159.8	1753.0	1905.7
75°	831.7	952.8	1072.2	1665.2	1765.3
77.5°	594.9	789.7	993.2	1560.0	1595.1
80°	412.3	644.0	910.7	1421.3	1391.6
82.5°	258.0	515.9	837.0	1268.7	1186.2
85°	145.6	394.8	784.4	1091.4	1001.9
87.5°	65.0	294.8	686.1	851.1	794.9
90°	6.5	203.1	504.7	697.3	702.5
92.5°	23.1	184.3	480.8	661.4	680.9
95°	60.0	222.9	530.3	708.7	745.4
97.5°	332.6	423.8	654.6	830.1	887.5
100°	649.8	766.9	849.1	976.8	999.0
102.5°	1021.0	1111.5	1119.7	1087.4	1073.4
105°	1202.4	1274.9	1396.8	1216.1	1127.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	970.5	1020.0	1180.6	1226.4	1212.9
115°	840.0	875.2	1016.4	1069.2	1057.8
117.5°	713.4	744.4	870.8	907.2	901.5
120°	603.6	633.1	736.4	767.7	760.3
122.5°	507.7	535.7	628.1	647.8	637.6
125°	424.9	444.1	527.2	542.3	535.0
127.5°	361.7	373.6	439.9	463.5	457.2
130°	314.2	325.2	376.7	403.1	402.2
132.5°	280.0	290.0	328.1	355.5	354.5
135°	254.9	263.0	291.4	320.6	320.6
137.5°	232.5	244.3	263.0	289.5	289.5
140°	216.7	224.8	240.0	263.0	263.9
142.5°	204.4	209.9	221.7	241.0	241.9
145°	194.1	198.7	206.9	222.8	221.0
147.5°	182.9	190.2	195.7	206.3	204.5
150°	174.6	182.7	186.4	192.5	191.8
152.5°	167.1	174.3	177.1	182.5	180.7
155°	159.7	167.8	171.4	175.0	171.5
157.5°	133.1	134.9	136.8	137.7	138.7
160°	128.4	129.3	131.2	132.1	133.1
162.5°	122.8	124.7	125.6	126.6	127.5
165°	119.1	120.0	121.0	122.8	122.8
167.5°	115.4	116.3	117.2	118.2	118.2
170°	112.6	113.5	114.5	114.5	114.5
172.5°	109.8	110.7	111.7	111.7	111.7
175°	107.9	108.9	108.9	109.8	109.8
177.5°	107.0	107.9	107.9	107.9	108.9
180°	107.0	107.0	107.0	107.0	107.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1201.4	1276.1	1427.1	1361.9	1243.9
110°	1104.6	1173.2	1328.9	1346.4	1293.6



(END OF REPORT)