

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: P826581

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P826581
REPORT IS A COMBINATION OF REPORTS P826128 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-N-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

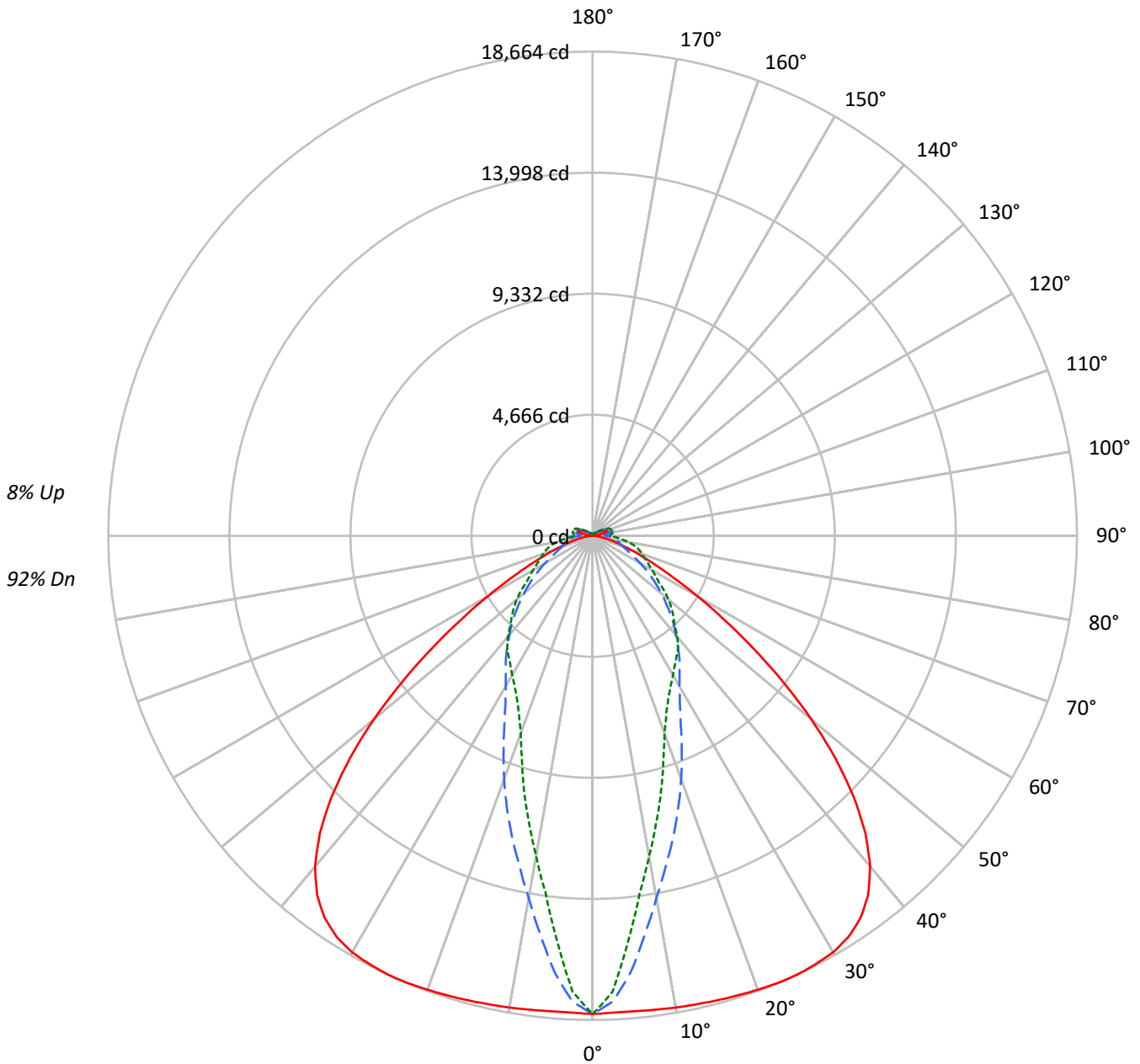
Lumens per Lamp: N/A
Luminaire Lumens: 28625.0 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	94	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	39	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

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	5.4
10°-20°	3651.0	12.8
20°-30°	4576.5	16.0
30°-40°	4856.2	17.0
40°-50°	4390.8	15.3
50°-60°	3183.6	11.1
60°-70°	1997.9	7.0
70°-80°	1322.1	4.6
80°-90°	765.3	2.7
90°-100°	504.5	1.8
100°-110°	724.2	2.5
110°-120°	560.6	2.0
120°-130°	269.8	0.9
130°-140°	131.8	0.5
140°-150°	75.3	0.3
150°-160°	41.1	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	9779.6	34.2
0°-40°	14635.8	51.1
0°-60°	22210.2	77.6
0°-90°	26295.4	91.9
90°-120°	1789.4	6.3
90°-150°	2266.3	7.9
90°-180°	2330.0	8.1
0°-180°	28625.0	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°	3	186	482	676	686	11
95°	33	183	500	676	722	99
105°	603	658	786	736	718	572
115°	425	460	606	653	650	429
125°	217	236	313	338	335	204
135°	134	141	167	193	194	106
145°	106	109	115	131	129	67
155°	89	95	99	101	98	38
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°	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°	2.8	185.5	481.5	675.9	685.7
92.5°	12.8	162.9	462.2	645.6	672.5
95°	33.0	182.9	499.6	676.1	722.1
97.5°	163.2	275.8	565.3	724.1	761.8
100°	324.1	430.0	623.9	757.2	781.3
102.5°	516.6	571.8	677.7	746.8	755.1
105°	603.1	657.9	786.3	736.0	717.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	491.2	539.8	691.1	732.3	724.3
115°	425.0	460.2	606.0	653.2	650.2
117.5°	369.1	393.5	521.9	563.8	563.7
120°	311.4	336.2	442.4	477.4	476.4
122.5°	261.1	282.6	375.0	402.1	399.4
125°	217.4	235.6	313.1	337.6	334.9
127.5°	186.8	196.8	262.1	286.7	283.2
130°	164.4	172.6	220.4	245.9	245.9
132.5°	146.9	154.1	190.4	215.9	216.8
135°	133.9	141.1	166.7	193.1	194.0
137.5°	124.6	131.7	149.4	173.2	174.1
140°	115.3	121.5	134.8	156.9	157.8
142.5°	110.5	114.1	123.0	142.4	142.4
145°	105.7	109.3	114.7	130.6	128.9
147.5°	101.1	106.5	110.1	118.8	118.0
150°	96.4	103.6	104.5	110.6	109.0
152.5°	92.7	98.9	100.8	104.3	103.5
155°	89.0	95.2	98.8	100.6	98.0
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°	603.1	661.9	812.9	766.3	710.7
110°	559.3	613.0	767.8	785.3	739.9



(END OF REPORT)