

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: P826560

Luminaire Tested: **OHBL-24SE-W-UNV-L830-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826560
REPORT IS A COMBINATION OF REPORTS P826082 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-W-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

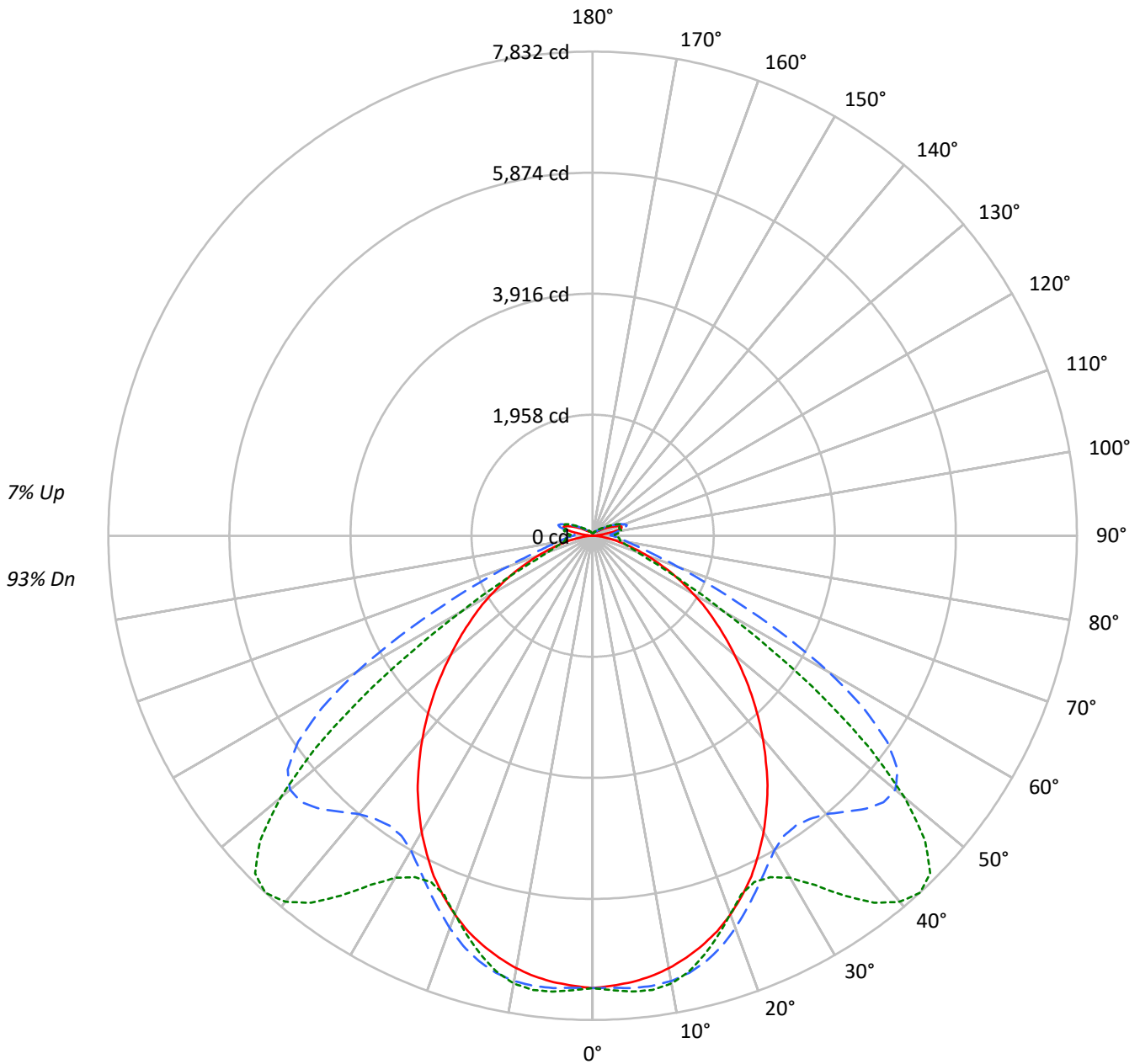
Lumens per Lamp: N/A
Luminaire Lumens: 23065.1 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 146.4
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	89	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	71	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	36	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12496	12496	12496
5°	12320	12479	12639
10°	12106	12460	12654
15°	11811	12253	12248
20°	11430	11832	11648
25°	10942	11322	11414
30°	10316	10943	12283
35°	9612	11145	14374
40°	8809	12071	16617
45°	7975	13692	17861
50°	7113	15140	16621
55°	6301	15120	12700
60°	5478	12791	7765
65°	4617	8832	4703
70°	3661	5709	3396
75°	2685	4091	3148
80°	1812	3591	3552
85°	1083	3944	5615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.2	3.0
10°-20°	1979.8	8.6
20°-30°	2897.1	12.6
30°-40°	3762.5	16.3
40°-50°	4594.4	19.9
50°-60°	4046.1	17.5
60°-70°	2108.5	9.1
70°-80°	904.2	3.9
80°-90°	437.2	1.9
90°-100°	314.7	1.4
100°-110°	512.0	2.2
110°-120°	405.8	1.8
120°-130°	199.3	0.9
130°-140°	99.8	0.4
140°-150°	56.0	0.2
150°-160°	30.4	0.1
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	5576.0	24.2
0°-40°	9338.5	40.5
0°-60°	17979.1	77.9
0°-90°	21428.9	92.9
90°-120°	1232.5	5.3
90°-150°	1587.6	6.9
90°-180°	1636.0	7.1
0°-180°	23065.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7316	7316	7316	7316	7316	
5°	7248	7304	7343	7408	7400	687
15°	6858	7051	7119	7065	7008	1931
25°	6077	6402	6293	6175	6181	2789
35°	4933	5454	5727	6679	7106	3075
45°	3632	4570	6246	7562	7720	2801
55°	2418	4003	5817	5100	4533	2170
65°	1388	2773	2663	1481	1274	1373
75°	559	1298	856	586	556	609
85°	118	462	436	426	431	132
90°	4	184	310	357	369	10
95°	26	152	309	376	401	79
105°	487	531	554	466	446	462
115°	344	366	428	445	443	345
125°	175	186	228	242	244	162
135°	104	107	127	145	147	83
145°	82	81	84	94	98	52
155°	68	69	67	68	68	30
165°	48	48	49	49	49	14
175°	44	44	44	44	44	4
180°	43	43	43	43	43	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7316.3	7316.3	7316.3	7316.3	7316.3
2.5°	7284.7	7316.3	7317.9	7362.1	7357.3
5°	7248.4	7303.7	7343.1	7407.8	7400.0
7.5°	7188.4	7275.3	7344.7	7415.7	7409.4
10°	7103.2	7221.6	7313.1	7371.5	7352.6
12.5°	6992.7	7149.0	7238.9	7251.5	7215.2
15°	6858.5	7051.1	7118.9	7065.3	7008.5
17.5°	6707.0	6932.7	6956.4	6839.6	6768.6
20°	6517.5	6774.8	6751.2	6590.2	6511.3
22.5°	6307.6	6601.2	6525.4	6356.5	6280.8
25°	6077.2	6402.3	6293.4	6175.1	6181.3
27.5°	5807.2	6176.6	6070.9	6124.5	6225.5
30°	5532.6	5939.8	5875.2	6187.6	6386.6
32.5°	5231.1	5696.8	5755.1	6372.4	6697.5
35°	4932.8	5453.7	5726.7	6678.6	7106.4
37.5°	4602.9	5207.4	5772.5	7032.1	7480.5
40°	4282.4	4967.5	5876.7	7349.4	7728.3
42.5°	3955.7	4752.8	6051.9	7537.2	7832.4
45°	3632.1	4569.7	6246.1	7562.5	7720.4
47.5°	3308.5	4415.0	6380.3	7362.1	7289.4
50°	2995.9	4277.7	6389.7	6880.6	6583.9
52.5°	2703.9	4151.4	6216.1	6113.5	5652.6
55°	2418.2	4003.1	5816.7	5100.1	4533.4
57.5°	2157.8	3797.9	5201.1	4011.0	3392.2
60°	1881.6	3520.0	4405.5	2934.4	2446.6
62.5°	1627.4	3174.3	3513.7	2042.6	1758.5
65°	1387.5	2773.4	2662.9	1480.6	1273.8
67.5°	1133.3	2358.2	1965.2	1079.7	947.1
70°	934.5	1973.2	1463.3	839.7	762.4
72.5°	730.9	1606.9	1093.9	681.9	639.3
75°	558.8	1297.5	855.6	585.6	555.6
77.5°	412.0	1026.0	688.2	517.8	489.3
80°	288.8	808.2	576.1	462.5	451.4
82.5°	194.1	625.1	490.9	440.4	442.0
85°	118.4	462.5	435.7	426.2	430.9
87.5°	56.9	328.3	374.1	388.3	393.1
90°	4.4	184.1	309.6	357.1	368.8
92.5°	8.4	149.3	287.9	343.8	356.4
95°	26.4	151.9	308.9	376.3	400.9
97.5°	128.8	217.3	359.7	428.6	442.7
100°	261.6	345.8	413.0	462.7	472.1
102.5°	413.3	464.5	458.2	465.0	463.5
105°	487.4	530.8	554.1	465.9	445.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	398.5	429.6	493.2	500.4	487.7
115°	344.5	366.5	427.5	445.2	442.8
117.5°	292.1	313.1	368.0	384.2	383.9
120°	246.5	264.6	312.3	327.6	329.1
122.5°	209.3	221.8	267.3	281.8	284.3
125°	174.9	186.1	227.7	241.6	244.1
127.5°	146.3	153.4	194.7	209.6	211.1
130°	128.6	132.3	165.4	182.1	185.3
132.5°	115.6	118.4	144.1	160.9	165.0
135°	104.4	107.2	126.6	145.0	146.6
137.5°	97.0	98.8	112.7	129.3	133.4
140°	89.5	92.3	100.5	117.2	118.7
142.5°	85.5	85.8	92.4	105.9	108.4
145°	82.4	81.1	83.7	94.1	98.1
147.5°	77.8	78.1	79.9	86.3	88.8
150°	75.0	75.9	73.7	77.8	81.0
152.5°	71.3	72.2	70.0	70.9	74.1
155°	68.5	69.4	67.2	68.1	68.1
157.5°	53.0	54.9	54.9	55.8	55.8
160°	51.2	52.1	53.0	53.0	53.0
162.5°	49.3	50.2	50.2	51.2	51.2
165°	48.4	48.4	49.3	49.3	49.3
167.5°	46.5	46.5	47.5	47.5	47.5
170°	45.6	45.6	45.6	46.5	46.5
172.5°	44.7	44.7	44.7	44.7	44.7
175°	43.7	43.7	43.7	43.7	43.7
177.5°	42.8	43.7	43.7	43.7	43.7
180°	42.8	42.8	42.8	42.8	42.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	491.8	534.7	580.2	506.5	450.1
110°	450.9	492.1	545.8	532.9	488.6



(END OF REPORT)