

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: P827760

Luminaire Tested: **OHBL-24SE-W-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827760
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-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

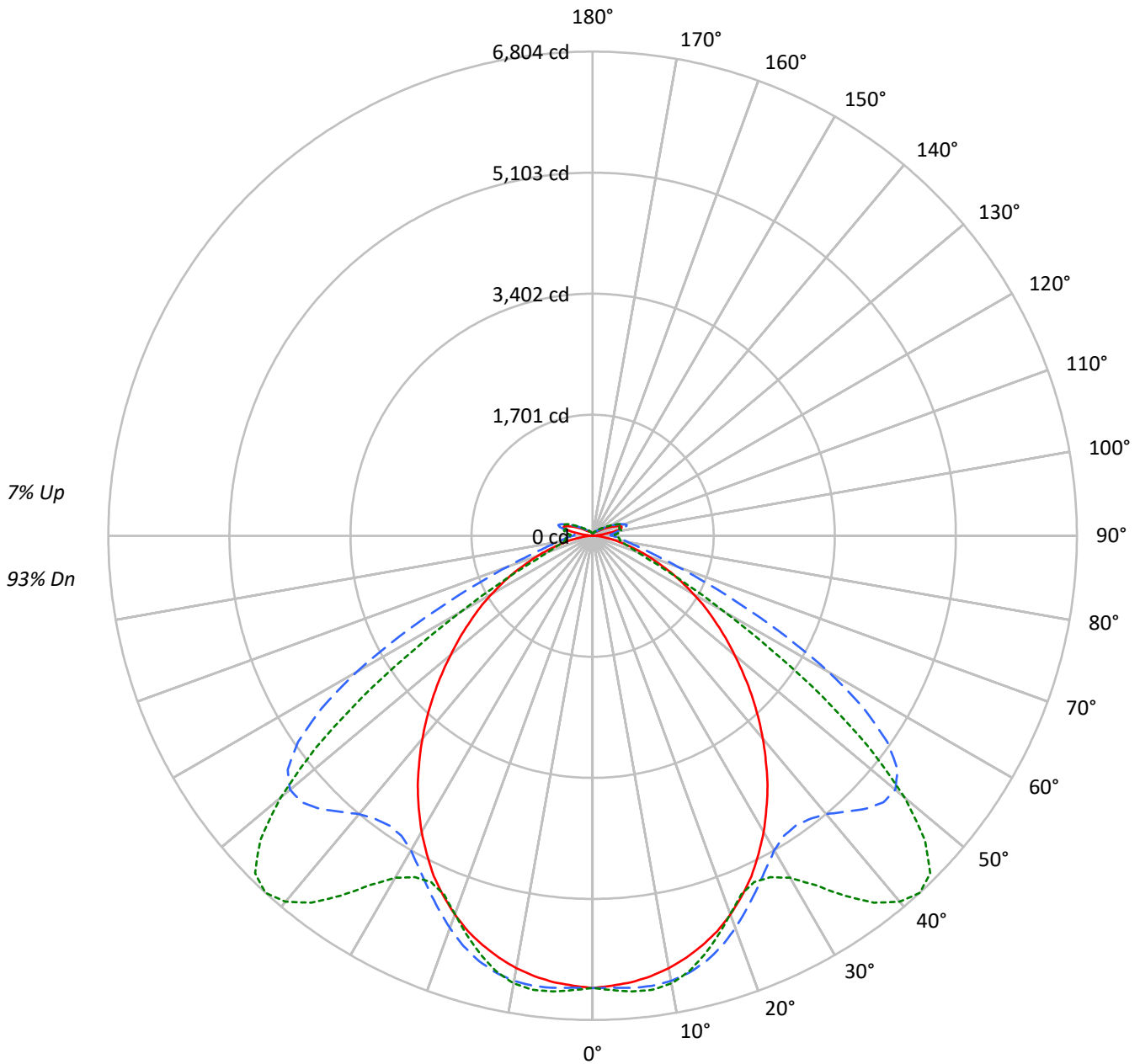
Lumens per Lamp: N/A
Luminaire Lumens: 20035.6 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10855	10855	10855
5°	10702	10840	10979
10°	10516	10823	10992
15°	10260	10644	10639
20°	9929	10278	10118
25°	9505	9835	9915
30°	8961	9506	10670
35°	8350	9682	12486
40°	7652	10485	14434
45°	6928	11894	15515
50°	6179	13151	14438
55°	5473	13134	11032
60°	4759	11112	6745
65°	4011	7672	4086
70°	3180	4959	2950
75°	2333	3553	2735
80°	1575	3119	3085
85°	940	3427	4877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.3	3.0
10°-20°	1719.8	8.6
20°-30°	2516.6	12.6
30°-40°	3268.3	16.3
40°-50°	3991.0	19.9
50°-60°	3514.7	17.5
60°-70°	1831.5	9.1
70°-80°	785.4	3.9
80°-90°	379.7	1.9
90°-100°	273.4	1.4
100°-110°	444.7	2.2
110°-120°	352.5	1.8
120°-130°	173.1	0.9
130°-140°	86.7	0.4
140°-150°	48.6	0.2
150°-160°	26.4	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	4843.7	24.2
0°-40°	8111.9	40.5
0°-60°	15617.6	77.9
0°-90°	18614.3	92.9
90°-120°	1070.6	5.3
90°-150°	1379.1	6.9
90°-180°	1421.0	7.1
0°-180°	20035.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6355	6355	6355	6355	6355	
5°	6296	6344	6379	6435	6428	597
15°	5958	6125	6184	6137	6088	1678
25°	5279	5561	5467	5364	5369	2423
35°	4285	4737	4975	5801	6173	2671
45°	3155	3970	5426	6569	6706	2433
55°	2101	3477	5053	4430	3938	1885
65°	1205	2409	2313	1286	1106	1192
75°	485	1127	743	509	483	529
85°	103	402	378	370	374	115
90°	4	160	269	310	320	9
95°	23	132	268	327	348	68
105°	423	461	481	405	387	401
115°	299	318	371	387	385	299
125°	152	162	198	210	212	141
135°	91	93	110	126	127	72
145°	72	70	73	82	85	45
155°	60	60	58	59	59	26
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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CATALOG NUMBER: OHBL-24SE-W-UNV-L930-CD-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6355.4	6355.4	6355.4	6355.4	6355.4
2.5°	6327.9	6355.4	6356.7	6395.1	6391.0
5°	6296.4	6344.4	6378.6	6434.8	6428.0
7.5°	6244.3	6319.7	6380.0	6441.7	6436.2
10°	6170.3	6273.1	6352.6	6403.3	6386.9
12.5°	6074.2	6210.0	6288.1	6299.1	6267.6
15°	5957.7	6125.0	6183.9	6137.4	6088.0
17.5°	5826.1	6022.2	6042.7	5941.2	5879.6
20°	5661.5	5885.0	5864.5	5724.6	5656.1
22.5°	5479.1	5734.2	5668.4	5521.6	5455.8
25°	5279.0	5561.4	5466.8	5364.0	5369.4
27.5°	5044.5	5365.3	5273.5	5320.1	5407.8
30°	4805.9	5159.7	5103.5	5374.9	5547.8
32.5°	4544.0	4948.5	4999.2	5535.4	5817.8
35°	4284.9	4737.4	4974.6	5801.4	6173.0
37.5°	3998.3	4523.4	5014.3	6108.5	6497.9
40°	3720.0	4315.0	5104.9	6384.1	6713.2
42.5°	3436.1	4128.6	5257.0	6547.3	6803.7
45°	3155.0	3969.5	5425.7	6569.2	6706.3
47.5°	2873.9	3835.1	5542.3	6395.1	6332.0
50°	2602.4	3715.8	5550.4	5976.9	5719.1
52.5°	2348.8	3606.1	5399.7	5310.5	4910.1
55°	2100.6	3477.3	5052.7	4430.2	3938.0
57.5°	1874.4	3299.1	4517.9	3484.2	2946.6
60°	1634.4	3057.7	3826.9	2549.0	2125.3
62.5°	1413.7	2757.4	3052.2	1774.3	1527.5
65°	1205.2	2409.2	2313.1	1286.1	1106.5
67.5°	984.5	2048.5	1707.1	937.9	822.7
70°	811.7	1714.0	1271.1	729.4	662.3
72.5°	634.9	1395.8	950.2	592.3	555.3
75°	485.4	1127.1	743.2	508.7	482.7
77.5°	357.8	891.3	597.8	449.8	425.0
80°	250.9	702.0	500.4	401.7	392.1
82.5°	168.6	543.0	426.4	382.6	384.0
85°	102.8	401.7	378.5	370.2	374.3
87.5°	49.4	285.2	325.0	337.3	341.4
90°	3.8	159.9	268.9	310.2	320.3
92.5°	7.3	129.7	250.1	298.7	309.6
95°	23.0	131.9	268.4	326.9	348.2
97.5°	111.9	188.7	312.4	372.3	384.5
100°	227.2	300.4	358.7	401.9	410.1
102.5°	359.0	403.5	398.0	403.9	402.6
105°	423.4	461.1	481.4	404.7	387.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	346.1	373.2	428.4	434.6	423.6
115°	299.2	318.4	371.3	386.7	384.6
117.5°	253.7	272.0	319.7	333.8	333.5
120°	214.1	229.9	271.3	284.5	285.9
122.5°	181.8	192.7	232.2	244.8	246.9
125°	151.9	161.7	197.8	209.8	212.0
127.5°	127.1	133.3	169.1	182.0	183.4
130°	111.7	114.9	143.6	158.2	160.9
132.5°	100.4	102.8	125.2	139.8	143.3
135°	90.7	93.1	110.0	125.9	127.3
137.5°	84.2	85.8	97.9	112.4	115.9
140°	77.8	80.2	87.3	101.8	103.1
142.5°	74.3	74.5	80.3	92.0	94.2
145°	71.6	70.5	72.7	81.7	85.2
147.5°	67.6	67.8	69.4	74.9	77.1
150°	65.2	66.0	64.0	67.6	70.3
152.5°	61.9	62.7	60.8	61.6	64.3
155°	59.5	60.3	58.4	59.2	59.2
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	427.2	464.5	504.0	440.0	391.0
110°	391.6	427.4	474.1	462.9	424.5



(END OF REPORT)