

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: P827761

Luminaire Tested: **OHBL-24SE-W-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827761
REPORT IS A COMBINATION OF REPORTS P826250 AND G3-2310-221-6
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-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

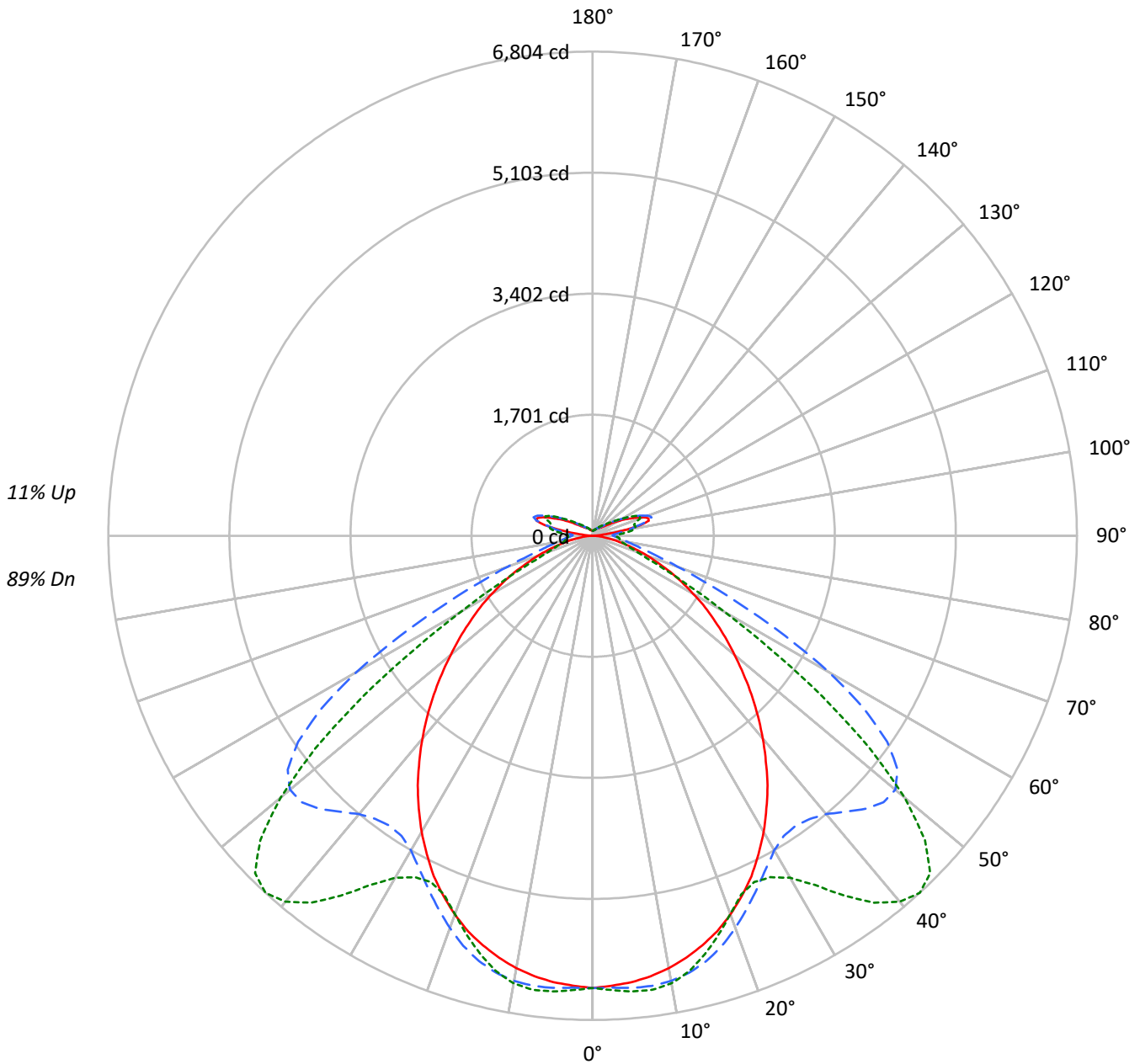
Lumens per Lamp: N/A
Luminaire Lumens: 20985.4 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 155.4
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21																			

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	2.9
10°-20°	1719.8	8.2
20°-30°	2516.6	12.0
30°-40°	3268.3	15.6
40°-50°	3991.0	19.0
50°-60°	3514.7	16.7
60°-70°	1831.5	8.7
70°-80°	785.4	3.7
80°-90°	382.2	1.8
90°-100°	364.6	1.7
100°-110°	760.8	3.6
110°-120°	623.3	3.0
120°-130°	303.2	1.4
130°-140°	151.8	0.7
140°-150°	86.2	0.4
150°-160°	48.3	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	4843.7	23.1
0°-40°	8111.9	38.7
0°-60°	15617.6	74.4
0°-90°	18616.8	88.7
90°-120°	1748.6	8.3
90°-150°	2289.8	10.9
90°-180°	2369.0	11.3
0°-180°	20985.4	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°	5	173	288	335	348	10
95°	46	175	338	417	448	135
105°	816	850	811	641	604	775
115°	568	592	645	661	659	573
125°	283	302	340	353	352	264
135°	170	173	192	209	212	134
145°	128	129	132	142	145	81
155°	105	106	105	106	106	47
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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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°	5.4	172.8	287.5	335.3	347.8
92.5°	13.7	147.4	277.6	337.5	354.9
95°	45.6	174.8	337.9	417.4	448.5
97.5°	220.2	305.1	431.2	520.2	551.0
100°	450.3	534.0	541.4	597.5	608.9
102.5°	693.6	739.0	642.1	620.6	616.8
105°	816.3	849.9	811.2	640.8	603.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	661.4	695.7	740.4	741.0	717.9
115°	567.6	592.4	644.6	660.7	658.6
117.5°	488.2	504.0	552.5	568.2	570.4
120°	405.7	425.5	472.6	485.0	481.5
122.5°	341.8	358.4	400.3	413.7	410.2
125°	282.8	301.5	340.1	352.9	351.9
127.5°	239.4	251.3	289.5	304.1	304.7
130°	209.5	216.0	248.7	263.3	266.8
132.5°	186.9	192.5	217.4	234.3	236.3
135°	169.9	173.1	192.5	209.2	212.2
137.5°	156.2	158.6	173.1	189.2	191.9
140°	144.0	147.3	156.8	172.1	174.3
142.5°	134.9	136.8	144.1	156.7	158.0
145°	128.2	128.7	132.5	141.5	145.0
147.5°	120.9	122.8	124.4	131.5	132.9
150°	115.3	116.9	116.6	120.1	123.7
152.5°	109.6	111.2	110.9	111.7	114.5
155°	104.8	106.4	105.2	106.1	106.1
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	820.9	859.7	869.4	727.7	631.9
110°	757.8	795.2	823.3	783.0	706.6



(END OF REPORT)