

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: P827741

Luminaire Tested: **OHBL-24HE-NL-UNV-L930-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827741
REPORT IS A COMBINATION OF REPORTS P826303 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-NL-UNV-L930-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

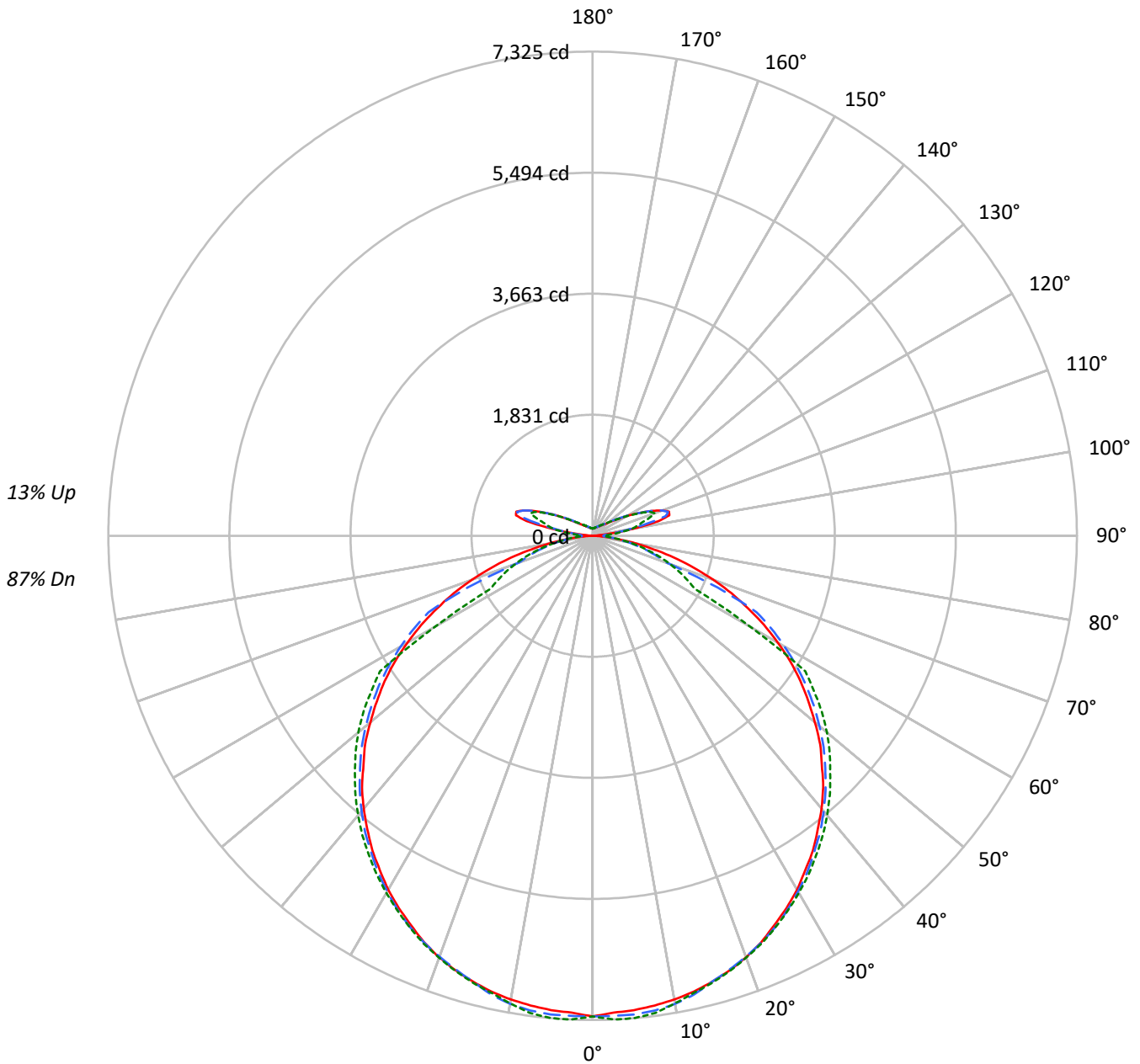
Lumens per Lamp: N/A
Luminaire Lumens: 23310.8 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 161.8
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					
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	50	30	10	0		
RCR																										
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87								
1	106	102	98	94	102	98	95	91	92	89	86	86	83	81	80	78	77	74								
2	97	89	83	77	93	86	80	75	81	76	72	75	71	68	71	68	65	62								
3	88	78	71	64	85	76	69	63	71	65	60	67	62	58	63	59	55	52								
4	81	69	61	55	78	67	59	53	63	57	51	59	54	49	56	51	47	45								
5	74	62	53	47	71	60	52	46	57	50	44	53	47	43	50	45	41	39								
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34								
7	64	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30								
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27								
9	55	42	34	29	53	41	33	28	39	32	27	37	31	27	35	30	26	24								
10	52	39	31	26	50	38	30	26	36	29	25	34	28	24	33	27	23	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11500	11500	11500
5°	11381	11481	11600
10°	11328	11431	11480
15°	11269	11260	11380
20°	11195	11169	11323
25°	11057	11101	11271
30°	10940	10982	11222
35°	10798	10839	11178
40°	10626	10706	11145
45°	10384	10516	11076
50°	10125	10303	11032
55°	9810	10033	10845
60°	9336	9630	8378
65°	8652	9113	5580
70°	7770	4692	5335
75°	6471	4249	4974
80°	4568	3568	4355
85°	1854	2882	3769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.8	3.0
10°-20°	1978.0	8.5
20°-30°	3009.7	12.9
30°-40°	3659.3	15.7
40°-50°	3847.6	16.5
50°-60°	3513.3	15.1
60°-70°	2252.2	9.7
70°-80°	1063.9	4.6
80°-90°	301.2	1.3
90°-100°	300.5	1.3
100°-110°	1028.6	4.4
110°-120°	839.6	3.6
120°-130°	394.6	1.7
130°-140°	199.8	0.9
140°-150°	116.8	0.5
150°-160°	68.5	0.3
160°-170°	35.6	0.2
170°-180°	10.9	0.0
0°-30°	5678.4	24.4
0°-40°	9337.7	40.1
0°-60°	16698.7	71.6
0°-90°	20316.0	87.2
90°-120°	2168.7	9.3
90°-150°	2879.8	12.4
90°-180°	2995.0	12.8
0°-180°	23310.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7271	7271	7271	7271	7271	
5°	7204	7232	7269	7308	7324	685
15°	6986	7038	6984	6994	7000	1972
25°	6501	6511	6534	6544	6539	3000
35°	5810	5776	5842	5914	5897	3631
45°	4901	4892	4975	5092	5083	3788
55°	3840	3811	3940	4071	4082	3425
65°	2588	2588	2738	1571	1576	2565
75°	1278	1303	846	891	894	1348
85°	167	212	264	286	270	247
90°	6	111	168	197	196	12
95°	54	137	218	283	296	189
105°	1200	1206	1141	854	772	1141
115°	839	830	840	842	826	846
125°	410	424	434	427	419	386
135°	242	248	255	257	258	192
145°	176	180	184	187	188	112
155°	142	145	147	149	149	67
165°	122	124	124	125	126	35
175°	112	112	112	112	113	11
180°	110	110	110	110	110	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7271.4	7271.4	7271.4	7271.4	7271.4
2.5°	7220.4	7244.6	7271.4	7305.9	7324.9
5°	7203.7	7231.8	7268.9	7308.4	7323.7
7.5°	7168.1	7207.5	7243.3	7271.4	7280.3
10°	7123.4	7170.6	7191.0	7188.4	7182.1
12.5°	7063.4	7113.2	7106.9	7077.4	7082.5
15°	6985.5	7037.8	6984.3	6994.5	6999.6
17.5°	6893.7	6944.8	6882.2	6902.6	6904.0
20°	6786.6	6824.8	6776.3	6792.9	6792.9
22.5°	6657.7	6684.4	6664.1	6675.5	6678.1
25°	6500.8	6510.9	6533.8	6544.1	6538.9
27.5°	6350.3	6337.4	6382.1	6406.3	6393.5
30°	6183.0	6162.7	6214.9	6254.5	6239.2
32.5°	5991.6	5978.9	6038.9	6086.0	6077.1
35°	5810.5	5776.0	5842.3	5913.8	5897.2
37.5°	5596.1	5575.7	5650.9	5726.3	5717.4
40°	5386.8	5352.4	5437.9	5527.2	5518.2
42.5°	5162.3	5121.4	5214.6	5321.9	5311.6
45°	4900.7	4891.8	4974.7	5092.1	5083.2
47.5°	4668.6	4623.9	4739.9	4853.6	4863.8
50°	4387.8	4371.3	4477.2	4615.0	4625.1
52.5°	4113.5	4102.0	4213.0	4352.1	4369.9
55°	3840.4	3811.1	3940.0	4071.4	4081.7
57.5°	3548.3	3517.7	3649.1	3792.1	3813.6
60°	3235.7	3206.3	3350.5	3483.3	2770.0
62.5°	2923.1	2902.6	3053.3	2162.7	1743.0
65°	2587.6	2587.6	2738.0	1570.6	1575.8
67.5°	2273.7	2253.3	2041.5	1411.1	1411.1
70°	1936.8	1944.5	1176.3	1236.4	1237.6
72.5°	1598.7	1626.8	1015.7	1064.1	1066.6
75°	1278.5	1302.7	845.9	890.6	894.4
77.5°	939.1	722.2	680.0	714.6	715.8
80°	659.6	455.5	520.6	553.7	549.9
82.5°	385.3	319.0	381.5	405.8	404.4
85°	167.1	211.8	264.1	285.8	270.5
87.5°	53.5	131.4	164.5	177.3	176.0
90°	6.5	111.1	168.3	197.2	195.6
92.5°	20.2	104.6	164.3	205.2	211.3
95°	53.9	137.3	217.7	283.3	296.3
97.5°	304.9	351.7	342.1	426.4	448.3
100°	651.7	687.6	556.1	584.3	601.8
102.5°	1023.3	1048.5	839.0	715.0	692.0
105°	1200.3	1205.5	1140.7	853.8	771.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	985.8	990.8	985.7	978.6	943.7
115°	839.0	830.2	840.4	842.3	826.5
117.5°	712.1	704.1	710.5	707.3	698.4
120°	599.0	599.0	607.1	595.7	589.3
122.5°	496.3	507.6	513.3	505.2	494.7
125°	409.8	424.4	434.1	426.8	418.7
127.5°	351.6	356.5	367.8	363.8	363.8
130°	302.3	308.8	317.7	319.3	317.7
132.5°	268.4	274.8	282.9	285.3	287.8
135°	242.5	248.2	254.6	257.0	257.9
137.5°	221.5	226.3	231.2	235.2	236.0
140°	203.7	208.6	213.4	216.6	216.6
142.5°	189.2	194.0	198.0	200.5	200.5
145°	176.2	180.3	184.3	186.7	187.5
147.5°	166.5	169.8	173.8	174.6	175.4
150°	157.6	160.0	163.3	164.9	165.7
152.5°	149.5	152.0	155.2	156.0	156.8
155°	142.3	144.7	147.1	148.7	148.7
157.5°	135.8	138.2	140.6	141.5	141.5
160°	131.0	132.6	135.0	135.0	135.8
162.5°	126.1	127.7	129.3	130.1	131.0
165°	122.1	123.7	124.5	125.3	126.1
167.5°	118.8	119.6	120.4	121.2	121.2
170°	115.6	116.4	117.2	117.2	118.0
172.5°	113.2	114.0	114.8	114.8	114.8
175°	111.6	111.6	112.4	112.4	113.2
177.5°	109.9	110.7	110.7	110.7	111.6
180°	109.9	109.9	109.9	109.9	109.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1211.6	1220.3	1196.4	1049.4	901.0
110°	1119.9	1134.3	1119.5	1068.4	995.5



(END OF REPORT)