

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: P828073

Luminaire Tested: **OHBL-30HE-W-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828073
REPORT IS A COMBINATION OF REPORTS P826124 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-30HE-W-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

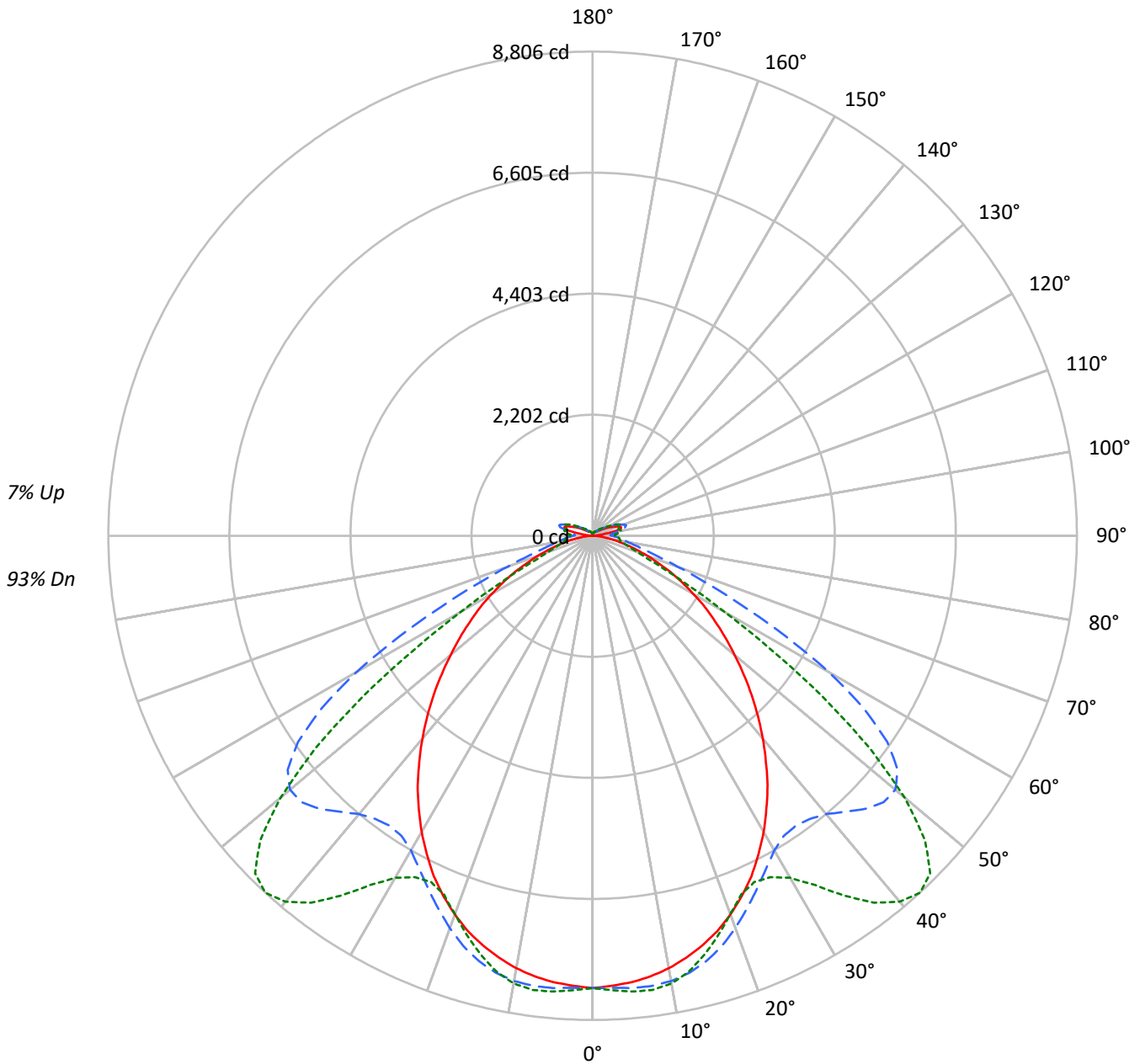
Lumens per Lamp: N/A
Luminaire Lumens: 25896.0 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
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	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	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	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	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13009	13009	13009
5°	12834	12997	13157
10°	12619	12983	13173
15°	12320	12774	12751
20°	11930	12341	12126
25°	11429	11815	11883
30°	10783	11425	12787
35°	10055	11643	14964
40°	9223	12617	17299
45°	8359	14322	18594
50°	7464	15850	17304
55°	6621	15845	13221
60°	5766	13420	8083
65°	4870	9280	4896
70°	3873	6011	3535
75°	2853	4319	3278
80°	1939	3811	3698
85°	1173	4223	5846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.1	3.0
10°-20°	2226.0	8.6
20°-30°	3257.3	12.6
30°-40°	4230.3	16.3
40°-50°	5165.7	19.9
50°-60°	4549.2	17.6
60°-70°	2370.6	9.2
70°-80°	1016.6	3.9
80°-90°	491.4	1.9
90°-100°	350.7	1.4
100°-110°	563.1	2.2
110°-120°	445.6	1.7
120°-130°	219.2	0.8
130°-140°	109.7	0.4
140°-150°	61.4	0.2
150°-160°	33.2	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	6269.3	24.2
0°-40°	10499.6	40.5
0°-60°	20214.6	78.1
0°-90°	24093.2	93.0
90°-120°	1359.4	5.2
90°-150°	1749.7	6.8
90°-180°	1803.0	7.0
0°-180°	25896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8226	8226	8226	8226	8226	
5°	8150	8212	8256	8329	8320	773
15°	7711	7928	8004	7944	7880	2171
25°	6833	7198	7076	6943	6950	3136
35°	5546	6132	6439	7509	7990	3457
45°	4084	5138	7023	8503	8680	3149
55°	2719	4501	6540	5734	5097	2440
65°	1560	3118	2994	1665	1432	1543
75°	628	1459	962	658	625	685
85°	133	520	490	479	484	148
90°	4	206	347	401	414	11
95°	27	170	346	420	448	86
105°	535	582	610	514	492	507
115°	374	399	470	491	487	378
125°	188	204	251	267	268	177
135°	115	118	138	160	162	91
145°	90	88	92	104	107	57
155°	75	76	74	74	75	33
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8226.0	8226.0	8226.0	8226.0	8226.0
2.5°	8190.5	8226.0	8227.8	8277.4	8272.1
5°	8149.7	8211.8	8256.2	8328.9	8320.0
7.5°	8082.3	8179.8	8257.9	8337.8	8330.7
10°	7986.4	8119.5	8222.4	8288.1	8266.8
12.5°	7862.2	8037.8	8139.0	8153.2	8112.4
15°	7711.3	7927.8	8004.2	7943.8	7879.9
17.5°	7540.9	7794.7	7821.3	7690.0	7610.2
20°	7327.9	7617.3	7590.6	7409.6	7320.8
22.5°	7091.9	7422.0	7336.8	7146.9	7061.8
25°	6832.8	7198.4	7075.9	6942.8	6949.9
27.5°	6529.3	6944.6	6825.7	6886.0	6999.6
30°	6220.5	6678.4	6605.6	6957.0	7180.7
32.5°	5881.5	6405.1	6470.8	7164.7	7530.2
35°	5546.1	6131.8	6438.8	7509.0	7989.9
37.5°	5175.2	5854.9	6490.2	7906.5	8410.6
40°	4814.9	5585.2	6607.4	8263.2	8689.2
42.5°	4447.5	5343.8	6804.4	8474.4	8806.3
45°	4083.7	5137.9	7022.7	8502.8	8680.3
47.5°	3719.9	4964.0	7173.6	8277.4	8195.8
50°	3368.5	4809.6	7184.2	7736.2	7402.5
52.5°	3040.2	4667.6	6989.0	6873.6	6355.4
55°	2718.9	4500.8	6539.9	5734.3	5097.1
57.5°	2426.1	4270.1	5847.8	4509.7	3813.9
60°	2115.5	3957.7	4953.3	3299.2	2750.8
62.5°	1829.8	3569.0	3950.6	2296.5	1977.1
65°	1560.0	3118.2	2994.0	1664.8	1432.2
67.5°	1274.2	2651.5	2209.6	1213.9	1064.8
70°	1050.7	2218.4	1645.2	944.2	857.2
72.5°	821.8	1806.7	1229.9	766.7	718.8
75°	628.2	1458.8	961.9	658.4	624.8
77.5°	463.2	1153.6	773.8	582.1	550.2
80°	324.8	908.7	647.8	520.0	507.6
82.5°	218.3	702.8	551.9	495.2	496.9
85°	133.1	520.0	489.8	479.2	484.5
87.5°	63.9	369.2	420.6	436.6	441.9
90°	4.2	206.4	347.2	400.8	413.8
92.5°	8.3	167.1	322.3	383.4	400.7
95°	26.9	170.0	346.5	420.0	448.1
97.5°	141.9	246.3	400.8	472.7	493.0
100°	286.2	381.4	455.0	511.9	523.1
102.5°	457.0	505.9	507.1	513.6	512.2
105°	534.6	582.1	610.2	513.9	491.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	434.8	472.6	539.7	549.5	538.0
115°	374.0	398.8	469.6	491.0	487.1
117.5°	324.1	341.9	403.8	423.5	423.6
120°	272.4	289.9	342.2	361.9	362.8
122.5°	227.4	243.0	295.1	312.1	313.0
125°	188.2	203.6	251.2	267.2	268.2
127.5°	160.7	168.2	214.0	231.8	231.8
130°	140.7	144.8	181.8	200.3	203.9
132.5°	126.5	129.8	158.8	177.4	181.8
135°	114.8	118.2	138.4	159.6	162.2
137.5°	106.5	108.2	123.9	142.5	146.8
140°	98.2	100.7	110.3	128.8	131.4
142.5°	94.1	94.0	101.0	116.8	118.6
145°	90.0	88.2	91.6	103.9	107.4
147.5°	85.8	85.8	87.4	94.5	97.2
150°	81.7	83.3	80.7	85.0	88.6
152.5°	78.3	79.2	77.3	77.3	81.7
155°	75.0	75.8	74.0	74.0	74.8
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	536.3	583.3	638.2	555.9	498.7
110°	495.5	538.8	600.5	586.4	538.2



(END OF REPORT)